PHASE II REPORT
VOLUME II
DAM-BREAK ANALYSIS
BUCKEYE FLOODWATER RETARDING
STRUCTURE #1, #2, AND #3
FOR THE FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY
FCD PROJECT 88-63

DAMES & MOORE

D&M Job No. 15448-003-022
June 28, 1990

DAMES & MOORE A PROFESSIONAL LIMITED PARTNERSHIP
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June 28, 1990

D&M Job No. 15448-003-022

Flood Control District of
Maricopa County
3335 West Durango Street
Phoenix, Arizona 85009

Attention: Mr. Joe Rumann, Hydrologist III

Phase II Report
Dam-Break Analysis
Buckeye Floodwater Retarding
Structures #1, #2, and #3
for the Flood Control District
of Maricopa County
FCD Project 88-63

Gentlemen:

Enclosed please find Dames & Moore's final submittal on the above referenced report. This submittal includes:

- five bound copies of the Phase II Report
- two sets of floppy discs of the DAMBRK computer model files
- three copies of the reduced computer printouts and copies of the supporting calculations in three-ring binders
- one unbound set of the three appendices for duplication and distribution, if desired
- one original copy of Figure 2 for duplication and distribution, if desired

This submittal completes Dames & Moore's scope of work for this project.

We have enjoyed completing this project for the Flood Control District of Maricopa County. Please contact us if you have any questions.

Very truly yours,

DAMES & MOORE

A. Prakash (GJG)

Anand Prakash, P.E.
Senior Engineer

George J. Geiser

George J. Geiser, P.E.
Project Manager

AP/GJG/baw

VOLUME I

TABLE OF CONTENTS

	PAGE
1.0 INTRODUCTION	1-1
1.1 OBJECTIVES AND SCOPE OF WORK	1-1
1.1.1 Objectives	1-1
1.1.2 Scope Of Work	1-1
1.2 DESCRIPTION OF EXISTING FACILITIES	1-2
1.3 DESCRIPTION OF DAM-BREAK STUDY AREA	1-4
1.4 OVERVIEW OF MODELING APPROACH	1-7
2.0 PARAMETERS FOR DAM-BREAK ANALYSIS	2-1
2.1 POSTULATED DAM-BREAK SCENARIOS	2-1
2.1.1 Floodwater Retarding Structure #1	2-1
2.1.1.1 Collection And Review Of Structural Data	2-1
2.1.1.2 Identification Of Potential Dam-Break Scenarios	2-2
2.1.2 Floodwater Retarding Structure #2	2-10
2.1.2.1 Collection And Review Of Structural Data	2-10
2.1.2.2 Identification Of Potential Dam-Break Scenarios	2-11
2.1.3 Floodwater Retarding Structure #3	2-13
2.1.3.1 Collection And Review Of Structural Data	2-13
2.1.3.2 Identification Of Potential Dam-Break Scenarios	2-15
2.2 INITIAL HYDROLOGIC CONDITIONS	2-18
2.2.1 Floodwater Retarding Structure #1	2-18
2.2.1.1 Overtopping Failure	2-18
2.2.1.2 Seepage Failure	2-19
2.2.2 Floodwater Retarding Structure #2	2-21
2.2.2.1 Overtopping Failure	2-21
2.2.2.2 Seepage Failure	2-23
2.2.3 Floodwater Retarding Structure #3	2-25
2.2.3.1 Overtopping Failure	2-25
2.2.3.2 Seepage Failure	2-26

VOLUME I

TABLE OF CONTENTS
(Continued)

	PAGE
2.3 GEOMETRY OF DOWNSLOPE FLOW AREAS	2-28
2.3.1 Floodwater Retarding Structure #1	2-28
2.3.1.1 Geometry of Flow Area Downslope of Overtopping Breach at Station 892+00	2-29
2.3.1.2 Geometry of Flow Area Downslope of Seepage Breach at Station 792+00	2-32
2.3.1.3 Geometry of Flow Area Downslope of Seepage Breach at Station 662+00	2-32
2.3.2 Floodwater Retarding Structure #2	2-33
2.3.2.1 Geometry of Flow Areas Downslope of Breaches at Station 300+00	2-33
2.3.3 Floodwater Retarding Structure #3	2-34
2.3.3.1 Geometry of Flow Areas Downslope of Breaches at Station 161+40	2-35
2.3.3.2 Geometry of Flow Areas Downslope of Breaches at Station 88+00	2-34
3.0 DAM-BREAK FLOOD ROUTING	3-1
3.1 FLOODWATER RETARDING STRUCTURE #1	3-1
3.1.1 Overtopping Failure	3-1
3.1.2 Seepage Failure	3-2
3.1.2.1 Seepage Breach at Station 792+00	3-2
3.1.2.2 Seepage Breach at Station 662+00	3-3
3.2 FLOODWATER RETARDING STRUCTURE #2	3-4
3.2.1 Overtopping Failure	3-4
3.2.2 Seepage Failure	3-5
3.3 FLOODWATER RETARDING STRUCTURE #3	3-7
3.3.1 Overtopping Failure	3-7
3.3.1.1 Overtopping Breach at Station 161+40	3-7
3.3.1.2 Overtopping Breach at Station 88+00	3-8

VOLUME I

TABLE OF CONTENTS
(Continued)

	PAGE
3.3.2 Seepage Failure	3-9
3.3.2.1 Seepage Breach at Station 161+40	3-9
3.3.2.2 Seepage Breach at Station 88+00	3-10
4.0 ECONOMIC AND SOCIAL IMPACTS	4-1
4.1 ECONOMIC IMPACTS	4-1
4.1.1 Floodwater Retarding Structure #1	4-3
4.1.2 Floodwater Retarding Structure #2	4-3
4.1.3 Floodwater Retarding Structure #3	4-3
4.2 SOCIAL IMPACTS	4-7
4.2.1 General	4-7
4.2.2 Social Impacts of Breaches in FRS #1	4-8
4.2.3 Social Impacts of Breaches in FRS #2	4-9
4.2.4 Social Impacts of Breaches in FRS #3	4-9
5.0 EVACUATION PLAN	5-1
5.1 EXISTING RESOURCES	5-1
5.1.1 Flood Warning System	5-1
5.1.2 Transportation Routes	5-2
5.2 DAM-BREAK ANTECEDENT CONDITIONS	5-3
5.3 EVACUATION ALTERNATIVES	5-4
5.3.1 Flood Warning System	5-4
5.3.2 Evacuation Processes	5-5
5.4 RECOMMENDED EVACUATION PLANS	5-5
6.0 REFERENCES	6-1

VOLUME I

LIST OF APPENDICES

APPENDIX NUMBER	TITLE
A	EVACUATION PLAN FOR BUCKEYE FLOODWATER RETARDING STRUCTURE #1 MARICOPA COUNTY, ARIZONA
B	EVACUATION PLAN FOR BUCKEYE FLOODWATER RETARDING STRUCTURE #2 MARICOPA COUNTY, ARIZONA
C	EVACUATION PLAN FOR BUCKEYE FLOODWATER RETARDING STRUCTURE #3 MARICOPA COUNTY, ARIZONA

LIST OF TABLES

TABLE NUMBER	TITLE	PAGE
1.1	SELECTED ENGINEERING DESIGN DATA FOR BUCKEYE FRS SYSTEM	1-3
1.2	STUDY AREA LAND USE	1-4
1.3	MAJOR DEVELOPED AREAS SOUTH OF BUCKEYE FRSs, UPSLOPE OF GILA AND HASSAYAMPA RIVER FLOODPLAINS	1-6
1.4	ESTIMATED INCREASES IN PREDICTED DAM-BREAK FLOOD ELEVATIONS HYPOTHESIZING THAT EMERGENCY SPILLWAYS ARE INOPERATIVE	1-10
2.1	PERTINENT DIMENSIONS OF FRS #1	2-1
2.2	ELEVATION-AREA-STORAGE DATA FOR FRS #1	2-2
2.3	STRUCTURAL DATA FOR FRS #1 AT THE SELECTED BREACH LOCATIONS	2-4
2.4	BREACH PARAMETERS FOR RECORDED DAM FAILURES	2-5
2.5	ESTIMATED WIDTHS OF BREACHES FOR FRS #1	2-9
2.6	PERTINENT DIMENSIONS OF FRS #2	2-10
2.7	ELEVATION-AREA-STORAGE DATA FOR FRS #2	2-11
2.8	STRUCTURAL DATA FOR FRS #2 AT THE SELECTED BREACH LOCATION	2-12
2.9	ESTIMATED WIDTHS OF BREACHES FOR FRS #2	2-13
2.10	PERTINENT DIMENSIONS OF FRS #3	2-14

VOLUME I

LIST OF TABLES
(Continued)

TABLE NUMBER	TITLE	PAGE
2.11	ELEVATION-AREA-STORAGE DATA FOR FRS #3	2-15
2.12	STRUCTURAL DATA FOR FRS #3 AT THE SELECTED BREACH LOCATIONS	2-16
2.13	ESTIMATED WIDTHS OF BREACHES FOR FRS #3	2-17
2.14	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #1 DUE TO OVERTOPPING FAILURE	2-19
2.15	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #1 DUE TO SEEPAGE FAILURE	2-21
2.16	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #2 DUE TO OVERTOPPING FAILURE	2-23
2.17	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #2 DUE TO SEEPAGE FAILURE	2-24
2.18	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #3 DUE TO OVERTOPPING FAILURE	2-26
2.19	INITIAL AND OTHER RELEVANT CONDITIONS FOR DAM-BREAK MODELING OF FRS #3 DUE TO SEEPAGE FAILURE	2-28
2.20	ADOPTED MANNING'S ROUGHNESS COEFFICIENTS	2-31
3.1	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO OVERTOPPING FAILURE OF FRS #1 AT STATION 892+00)	3-2
3.2	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO SEEPAGE FAILURE OF FRS #1 AT STATION 792+00)	3-3

VOLUME I

LIST OF TABLES
(Continued)

TABLE NUMBER	TITLE	PAGE
3.3	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO SEEPAGE FAILURE OF FRS #1 AT STATION 662+00)	3-4
3.4	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO OVERTOPPING FAILURE OF FRS #2 AT STATION 300+00)	3-5
3.5	PEAK OUTLFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO SEEPAGE FAILURE OF FRS #2 AT STATION 300+00)	3-6
3.6	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO OVERTOPPING FAILURE OF FRS #3 AT STATION 161+40)	3-7
3.7	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO OVERTOPPING FAILURE OF FRS #3 AT STATION 88+00)	3-8
3.8	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO SEEPAGE FAILURE OF FRS #3 AT STATION 161+40)	3-9
3.9	PEAK OUTFLOWS, MAXIMUM FLOOD ELEVATIONS, TRAVEL TIMES, AND MAXIMUM FLOW VELOCITIES (DAM-BREAK FLOOD WAVE DUE TO SEEPAGE FAILURE OF FRS #3 AT STATION 88+00)	3-10
4.1	ESTIMATED UNIT PROPERTY VALUES WITHIN THE STUDY AREA	4-2
4.2	ECONOMIC EVALUATION OF FLOODING DUE TO AN OVERTOPPING FAILURE OF FRS #2, DAM-BREAK MODELED AT STATION 300+00	4-4
4.3	ECONOMIC EVALUATION OF FLOODING DUE TO AN OVERTOPPING FAILURE OF FRS #3, DAM-BREAK MODELED AT STATION 161+40	4-5

VOLUME I

LIST OF TABLES
(Continued)

TABLE NUMBER	TITLE	PAGE
4.4	ECONOMIC EVALUATION OF FLOODING DUE TO A SEEPAGE FAILURE OF FRS #1, DAM-BREAK MODELED AT STATION 662+00	4-6
4.5	HABITATION DENSITIES OF DIFFERENT TYPES OF STRUCTURES	4-8

VOLUME I

LIST OF FIGURES

FIGURE NUMBER	TITLE	LOCATION (follows page)
1	LOCATION MAP	1-1
2	MAP OF BUCKEYE FRS DAM-BREAK STUDY AREA	MAP POCKET
3	AERIAL PHOTOGRAPH OF BUCKEYE FRS DAM-BREAK STUDY AREA	MAP POCKET
4	TYPICAL SECTIONS OF POSTULATED BREACHES	2-6
5	TYPICAL CROSS-SECTIONS DOWNSLOPE FROM STATION 892+00	2-30
6	TYPICAL CROSS-SECTIONS DOWNSLOPE FROM STATIONS 792+00 AND 662+00	2-32
7	TYPICAL CROSS-SECTIONS DOWNSLOPE FROM STATION 300+00	2-33
8	TYPICAL CROSS-SECTIONS DOWNSLOPE FROM STATIONS 161+40 AND 88+00	2-34
9	RESULTS OF DAM-BREAK ANALYSIS, FRS #1, STATION 892+00: OVERTOPPING FAILURE	3-1
10	RESULTS OF DAM-BREAK ANALYSIS, FRS #1, STATION 792+00: SEEPAGE FAILURE	3-2
11	RESULTS OF DAM-BREAK ANALYSIS, FRS #1, STATION 662+00: SEEPAGE FAILURE	3-3
12	RESULTS OF DAM-BREAK ANALYSIS, FRS #2, STATION 300+00: OVERTOPPING FAILURE	3-4
13	RESULTS OF DAM-BREAK ANALYSIS, FRS #2, STATION 300+00: SEEPAGE FAILURE	3-5
14	RESULTS OF DAM-BREAK ANALYSIS, FRS #3, STATION 161+40: OVERTOPPING FAILURE	3-7
15	RESULTS OF DAM-BREAK ANALYSIS, FRS #3, STATION 88+00: OVERTOPPING FAILURE	3-8
16	RESULTS OF DAM-BREAK ANALYSIS, FRS #3, STATION 161+40: SEEPAGE FAILURE	3-9
17	RESULTS OF DAM-BREAK ANALYSIS, FRS #3, STATION 88+00: SEEPAGE FAILURE	3-10

VOLUME II

TABLE OF CONTENTS

1. Output for Dam-Break Analysis of Overtopping Failure of FRS #1 at Station 892+00

2. Output for Dam-Break Analysis of Seepage Failure of FRS #1 at Station 792+00

3. Output for Dam-Break Analysis of Seepage Failure of FRS #1 at Station 662+00

4. Output for Dam-Break Analysis of Overtopping Failure of FRS #2 at Station 300+00

5. Output for Dam-Break Analysis of Seepage Failure of FRS #2 at Station 300+00

6. Output for Dam-Break Analysis of Overtopping Failure of FRS #3 at Station 161+40

7. Output for Dam-Break Analysis of Seepage Failure of FRS #3 at Station 161+40

8. Output for Dam-Break Analysis of Overtopping Failure of FRS #3 at Station 88+00

9. Output for Dam-Break Analysis of Seepage Failure of FRS #3 at Station 88+00

10. Supporting Calculations

PHASE II REPORT
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OF MARICOPA COUNTY
FCD PROJECT 88-63

Dames & Moore
Pointe Corporate Centre
7500 North Dreamy Draw Drive, Suite 145
Phoenix, Arizona 85020

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#1 MCFCD

ON

STN. 892+00DVERTOP

ANALYSIS BY

DAMES & MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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*******************************
*******************************
***                         ***
***  SUMMARY OF INPUT DATA  ***
***                         ***
*******************************
*******************************
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INPUT CONTROL PARAMETERS FOR FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	18
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNX=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#1 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
2050.0	1090.00
1950.0	1088.00
1760.0	1086.00
1580.0	1084.00

1145.0	1079.80
760.0	1078.00
120.0	1068.00
0.1	1060.00

DAM NUMBER I

FRS#1 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1079.80
SIDE SLOPE OF BREACH		Z	1.00
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1060.00
WIDTH OF BASE OF BREACH	FEET	BB	350.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	1.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1087.00
ELEVATION OF TOP OF DAM	FEET	HD	1088.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1079.80
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	2160.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	15066.00
DISCHARGE THRU TURBINES	CFS	QT	1500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 9.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#1 MCFCD
****

3991.00	9007.00	34423.00	81178.00	108270.00	115658.00	118598.00	122864.00
128471.00	142575.00	136682.00	98855.00	63868.00	41919.00	28364.00	19263.00
8433.00	4240.00						

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	0.5000	1.0000	1.5000	2.0000	2.5000	3.0000	3.5000
4.0000	4.5000	5.0000	5.5000	6.0000	6.5000	7.0000	7.5000
8.5000	9.5000						

CROSS-SECTIONAL PARAMETERS FOR STN. 892+000VERTOP
BELOW FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	17
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 892+000VERTOP
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1050.0	1051.0	1060.0	1070.0	1075.0	1089.0
BS ...	0.0	30.0	1000.0	2000.0	3000.0	5580.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.568 FSTG(I) = 0.00

HS ...	1030.0	1030.5	1040.0	1050.0	1060.0	1080.0
BS ...	0.0	30.0	1125.0	2000.0	11000.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.947 FSTG(I) = 0.00

HS ...	1016.0	1016.5	1030.0	1040.0	1050.0	1060.0
BS ...	0.0	30.0	2000.0	3500.0	10375.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.326 FSTG(I) = 0.00

HS ...	1000.0	1000.5	1002.0	1010.0	1020.0	1040.0
BS ...	0.0	30.0	2500.0	7625.0	10125.0	17500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.818 FSTG(I) = 0.00

HS ...	986.0	986.5	1000.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	2000.0	9125.0	13000.0	18500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 2.652 FSTG(I) = 0.00

HS ...	953.0	955.0	960.0	930.0	1000.0	1010.0
BS ...	0.0	100.0	3000.0	5500.0	8000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 3.227 FSTG(I) = 0.00

HS ...	940.0	940.5	950.0	960.0	970.0	978.5
BS ...	0.0	30.0	3970.0	4940.0	5510.0	11000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 3.818 FSTG(I) = 0.00

HS ...	927.2	927.7	935.0	940.0	945.0	950.0
BS ...	0.0	30.0	3980.0	4500.0	4830.0	11000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 4.312 FSTG(I) = 0.00

HS ...	912.0	912.5	920.0	930.0	940.0	950.0
BS ...	0.0	30.0	3700.0	4890.0	5980.0	8000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 4.736 FSTG(I) = 0.00

HS ...	904.8	905.3	912.0	920.0	930.0	940.0
BS ...	0.0	30.0	3850.0	5250.0	5690.0	7050.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 5.292 FSTG(I) = 0.00

HS ...	891.5	892.0	900.0	910.0	920.0	930.0
BS ...	0.0	30.0	3880.0	5300.0	6100.0	10800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 5.860 FSTG(I) = 0.00

HS ...	876.0	876.5	880.0	890.0	900.0	910.0
BS ...	0.0	30.0	4000.0	6300.0	8100.0	13000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 6.429 FSTG(I) = 0.00

HS ...	866.0	866.5	880.0	890.0	900.0	910.0
BS ...	0.0	30.0	8500.0	9600.0	10900.0	14000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 6.997 FSTG(I) = 0.00

HS ...	851.0	851.5	860.0	870.0	880.0	890.0
BS ...	0.0	30.0	6400.0	7500.0	8200.0	9500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 7.565 FSTG(I) = 0.00

HS ...	838.0	838.5	850.0	860.0	870.0	880.0
BS ...	0.0	30.0	7000.0	8300.0	9500.0	10400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 8.133 FSTG(I) = 0.00

HS ...	826.0	826.5	830.0	835.0	840.0	843.0
BS ...	0.0	30.0	7700.0	8600.0	12100.0	17300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 8.701 FSTG(I) = 0.00

HS ...	813.0	813.5	815.0	820.0	830.0	835.0
BS ...	0.0	30.0	3800.0	12200.0	13700.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN 892+00OVERTOP
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 892+000VERTOP
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.126 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.029 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.038 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.033 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.023 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.295 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.247 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.189 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 12 DXM WAS CHANGED TO 0.038 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.189 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 15 DXM WAS CHANGED TO 0.142 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 16 DXM WAS CHANGED TO 0.071 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.447 DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH= 10 DXM WAS CHANGED TO 0.455 DUE TO (WAVE SPEED * DT) CRITERIA

AT REACH= 14 DXM WAS CHANGED TO 0.461 DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000	0.126	0.029	0.038	0.033	0.023	0.295	0.247	0.445	0.455	0.189	0.038	0.189	0.461	0.142
0.071														

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) = 121 (MAXIMUM ALLOWABLE = 200

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***                         ***
***  SUMMARY OF OUTPUT DATA ***
***                         ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1050.00				
2	0.57	1030.00	1	0.57	35.21	
3	0.95	1016.00	2	0.38	36.94	
4	1.33	1000.00	3	0.38	42.22	
5	1.82	986.00	4	0.49	28.46	
6	2.65	953.00	5	0.83	39.57	
7	3.23	940.00	6	0.57	22.62	
8	3.82	927.20	7	0.59	21.66	
9	4.31	912.00	8	0.49	30.75	
10	4.74	904.80	9	0.42	16.97	
11	5.29	891.50	10	0.56	23.93	
12	5.86	876.00	11	0.57	27.28	
13	6.43	866.00	12	0.57	17.60	
14	7.00	851.00	13	0.57	26.40	
15	7.56	838.00	14	0.57	22.88	
16	8.13	826.00	15	0.57	21.12	
17	8.70	813.00	16	0.57	22.88	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,I)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1053.95	DEPN=	3.95	YC=	1052.83	DEPC=	2.83	IFR=	0	ITN=	11	ITC= 11
I=	2	X=	0.568	YN=	1032.86	DEPN=	2.86	YC=	1032.34	DEPC=	2.34	IFR=	0	ITN=	12	ITC= 12
I=	3	X=	0.694	YN=	1028.26	DEPN=	2.92	YC=	1027.60	DEPC=	2.27	IFR=	0	ITN=	12	ITC= 12
I=	4	X=	0.821	YN=	1023.54	DEPN=	2.87	YC=	1022.90	DEPC=	2.23	IFR=	0	ITN=	12	ITC= 12
I=	5	X=	0.947	YN=	1018.74	DEPN=	2.74	YC=	1018.20	DEPC=	2.20	IFR=	0	ITN=	12	ITC= 12
I=	6	X=	0.976	YN=	1017.46	DEPN=	2.69	YC=	1016.92	DEPC=	2.15	IFR=	0	ITN=	12	ITC= 12
I=	7	X=	1.005	YN=	1016.16	DEPN=	2.62	YC=	1015.63	DEPC=	2.09	IFR=	0	ITN=	12	ITC= 12
I=	8	X=	1.034	YN=	1014.87	DEPN=	2.56	YC=	1014.35	DEPC=	2.05	IFR=	0	ITN=	12	ITC= 12
I=	9	X=	1.064	YN=	1013.56	DEPN=	2.48	YC=	1013.07	DEPC=	1.99	IFR=	0	ITN=	12	ITC= 12
I=	10	X=	1.093	YN=	1012.26	DEPN=	2.41	YC=	1011.77	DEPC=	1.92	IFR=	0	ITN=	12	ITC= 12
I=	11	X=	1.122	YN=	1010.95	DEPN=	2.33	YC=	1010.48	DEPC=	1.87	IFR=	0	ITN=	12	ITC= 12
I=	12	X=	1.151	YN=	1009.63	DEPN=	2.24	YC=	1009.18	DEPC=	1.79	IFR=	0	ITN=	12	ITC= 12
I=	13	X=	1.180	YN=	1008.31	DEPN=	2.16	YC=	1007.88	DEPC=	1.73	IFR=	0	ITN=	12	ITC= 12
I=	14	X=	1.209	YN=	1006.98	DEPN=	2.06	YC=	1005.57	DEPC=	1.65	IFR=	0	ITN=	12	ITC= 12
I=	15	X=	1.239	YN=	1005.64	DEPN=	1.94	YC=	1005.26	DEPC=	1.57	IFR=	0	ITN=	12	ITC= 11
I=	16	X=	1.268	YN=	1004.28	DEPN=	1.81	YC=	1003.92	DEPC=	1.46	IFR=	0	ITN=	11	ITC= 11
I=	17	X=	1.297	YN=	1002.91	DEPN=	1.68	YC=	1002.58	DEPC=	1.35	IFR=	0	ITN=	11	ITC= 11
I=	18	X=	1.326	YN=	1001.57	DEPN=	1.57	YC=	1001.20	DEPC=	1.20	IFR=	0	ITN=	11	ITC= 11
I=	19	X=	1.364	YN=	1000.70	DEPN=	1.78	YC=	1000.27	DEPC=	1.35	IFR=	0	ITN=	11	ITC= 11

I=	20	X=	1.402	YN=	999.78	DEPN=	1.93	YC=	999.30	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	1.440	YN=	998.84	DEPN=	2.07	YC=	998.34	DEPC=	1.57	IFR=	0	ITN=	12	ITC=	11
I=	22	X=	1.477	YN=	997.88	DEPN=	2.19	YC=	997.34	DEPC=	1.65	IFR=	0	ITN=	12	ITC=	12
I=	23	X=	1.515	YN=	996.91	DEPN=	2.30	YC=	996.34	DEPC=	1.73	IFR=	0	ITN=	12	ITC=	12
I=	24	X=	1.553	YN=	995.93	DEPN=	2.40	YC=	995.33	DEPC=	1.79	IFR=	0	ITN=	12	ITC=	12
I=	25	X=	1.591	YN=	994.95	DEPN=	2.49	YC=	994.33	DEPC=	1.87	IFR=	0	ITN=	12	ITC=	12
I=	26	X=	1.629	YN=	993.96	DEPN=	2.58	YC=	993.31	DEPC=	1.92	IFR=	0	ITN=	12	ITC=	12
I=	27	X=	1.667	YN=	992.97	DEPN=	2.66	YC=	992.30	DEPC=	1.99	IFR=	0	ITN=	12	ITC=	12
I=	28	X=	1.704	YN=	991.96	DEPN=	2.73	YC=	991.28	DEPC=	2.05	IFR=	0	ITN=	12	ITC=	12
I=	29	X=	1.742	YN=	990.96	DEPN=	2.80	YC=	990.25	DEPC=	2.09	IFR=	0	ITN=	12	ITC=	12
I=	30	X=	1.780	YN=	989.95	DEPN=	2.87	YC=	989.23	DEPC=	2.15	IFR=	0	ITN=	12	ITC=	12
I=	31	X=	1.818	YN=	988.79	DEPN=	2.79	YC=	988.20	DEPC=	2.20	IFR=	0	ITN=	12	ITC=	12
I=	32	X=	1.851	YN=	987.47	DEPN=	2.79	YC=	986.89	DEPC=	2.21	IFR=	0	ITN=	12	ITC=	12
I=	33	X=	1.885	YN=	986.16	DEPN=	2.80	YC=	985.59	DEPC=	2.23	IFR=	0	ITN=	12	ITC=	12
I=	34	X=	1.918	YN=	984.85	DEPN=	2.81	YC=	984.28	DEPC=	2.24	IFR=	0	ITN=	12	ITC=	12
I=	35	X=	1.951	YN=	983.54	DEPN=	2.82	YC=	982.98	DEPC=	2.26	IFR=	0	ITN=	12	ITC=	12
I=	36	X=	1.985	YN=	982.23	DEPN=	2.83	YC=	981.67	DEPC=	2.27	IFR=	0	ITN=	12	ITC=	12
I=	37	X=	2.018	YN=	980.92	DEPN=	2.84	YC=	980.36	DEPC=	2.28	IFR=	0	ITN=	12	ITC=	12
I=	38	X=	2.052	YN=	979.62	DEPN=	2.86	YC=	979.07	DEPC=	2.31	IFR=	0	ITN=	12	ITC=	12
I=	39	X=	2.085	YN=	978.30	DEPN=	2.86	YC=	977.76	DEPC=	2.32	IFR=	0	ITN=	12	ITC=	12
I=	40	X=	2.118	YN=	977.00	DEPN=	2.88	YC=	976.47	DEPC=	2.35	IFR=	0	ITN=	12	ITC=	12
I=	41	X=	2.152	YN=	975.69	DEPN=	2.89	YC=	975.16	DEPC=	2.36	IFR=	0	ITN=	12	ITC=	12
I=	42	X=	2.185	YN=	974.39	DEPN=	2.91	YC=	973.87	DEPC=	2.39	IFR=	0	ITN=	12	ITC=	12
I=	43	X=	2.218	YN=	973.09	DEPN=	2.93	YC=	972.57	DEPC=	2.41	IFR=	0	ITN=	12	ITC=	12
I=	44	X=	2.252	YN=	971.78	DEPN=	2.94	YC=	971.28	DEPC=	2.44	IFR=	0	ITN=	12	ITC=	12
I=	45	X=	2.285	YN=	970.48	DEPN=	2.96	YC=	969.97	DEPC=	2.45	IFR=	0	ITN=	12	ITC=	12
I=	46	X=	2.318	YN=	969.18	DEPN=	2.98	YC=	968.67	DEPC=	2.47	IFR=	0	ITN=	12	ITC=	12
I=	47	X=	2.352	YN=	967.88	DEPN=	3.00	YC=	967.38	DEPC=	2.50	IFR=	0	ITN=	12	ITC=	12
I=	48	X=	2.385	YN=	966.57	DEPN=	3.01	YC=	966.08	DEPC=	2.52	IFR=	0	ITN=	12	ITC=	12
I=	49	X=	2.418	YN=	965.28	DEPN=	3.04	YC=	964.79	DEPC=	2.55	IFR=	0	ITN=	12	ITC=	12
I=	50	X=	2.452	YN=	963.98	DEPN=	3.06	YC=	963.49	DEPC=	2.57	IFR=	0	ITN=	12	ITC=	12
I=	51	X=	2.485	YN=	962.67	DEPN=	3.07	YC=	962.21	DEPC=	2.61	IFR=	0	ITN=	12	ITC=	12
I=	52	X=	2.519	YN=	961.38	DEPN=	3.10	YC=	960.91	DEPC=	2.63	IFR=	0	ITN=	12	ITC=	12
I=	53	X=	2.552	YN=	960.08	DEPN=	3.12	YC=	959.62	DEPC=	2.66	IFR=	0	ITN=	12	ITC=	12
I=	54	X=	2.585	YN=	958.78	DEPN=	3.14	YC=	958.32	DEPC=	2.68	IFR=	0	ITN=	12	ITC=	12
I=	55	X=	2.619	YN=	957.48	DEPN=	3.16	YC=	957.03	DEPC=	2.71	IFR=	0	ITN=	12	ITC=	12
I=	56	X=	2.652	YN=	956.36	DEPN=	3.36	YC=	955.73	DEPC=	2.73	IFR=	0	ITN=	12	ITC=	12
I=	57	X=	2.675	YN=	955.81	DEPN=	3.33	YC=	955.18	DEPC=	2.70	IFR=	0	ITN=	12	ITC=	12
I=	58	X=	2.698	YN=	955.25	DEPN=	3.29	YC=	954.62	DEPC=	2.66	IFR=	0	ITN=	12	ITC=	12
I=	59	X=	2.721	YN=	954.68	DEPN=	3.24	YC=	954.07	DEPC=	2.63	IFR=	0	ITN=	12	ITC=	12
I=	60	X=	2.744	YN=	954.13	DEPN=	3.21	YC=	953.50	DEPC=	2.58	IFR=	0	ITN=	12	ITC=	12
I=	61	X=	2.767	YN=	953.57	DEPN=	3.17	YC=	952.94	DEPC=	2.54	IFR=	0	ITN=	12	ITC=	12
I=	62	X=	2.790	YN=	953.00	DEPN=	3.12	YC=	952.39	DEPC=	2.51	IFR=	0	ITN=	12	ITC=	12
I=	63	X=	2.813	YN=	952.44	DEPN=	3.08	YC=	951.82	DEPC=	2.46	IFR=	0	ITN=	12	ITC=	12
I=	64	X=	2.836	YN=	951.89	DEPN=	3.05	YC=	951.27	DEPC=	2.43	IFR=	0	ITN=	12	ITC=	12
I=	65	X=	2.859	YN=	951.33	DEPN=	3.01	YC=	950.70	DEPC=	2.38	IFR=	0	ITN=	12	ITC=	12
I=	66	X=	2.882	YN=	950.76	DEPN=	2.96	YC=	950.14	DEPC=	2.34	IFR=	0	ITN=	12	ITC=	12
I=	67	X=	2.905	YN=	950.20	DEPN=	2.92	YC=	949.58	DEPC=	2.30	IFR=	0	ITN=	12	ITC=	12
I=	68	X=	2.928	YN=	949.63	DEPN=	2.87	YC=	949.02	DEPC=	2.26	IFR=	0	ITN=	12	ITC=	12
I=	69	X=	2.951	YN=	949.07	DEPN=	2.83	YC=	948.46	DEPC=	2.22	IFR=	0	ITN=	12	ITC=	12
I=	70	X=	2.974	YN=	948.52	DEPN=	2.80	YC=	947.89	DEPC=	2.17	IFR=	0	ITN=	12	ITC=	12
I=	71	X=	2.997	YN=	947.95	DEPN=	2.75	YC=	947.32	DEPC=	2.12	IFR=	0	ITN=	12	ITC=	12
I=	72	X=	3.020	YN=	947.39	DEPN=	2.71	YC=	946.76	DEPC=	2.08	IFR=	0	ITN=	12	ITC=	12
I=	73	X=	3.043	YN=	946.82	DEPN=	2.66	YC=	946.20	DEPC=	2.04	IFR=	0	ITN=	12	ITC=	12
I=	74	X=	3.066	YN=	946.26	DEPN=	2.62	YC=	945.64	DEPC=	2.00	IFR=	0	ITN=	12	ITC=	12
I=	75	X=	3.089	YN=	945.69	DEPN=	2.57	YC=	945.08	DEPC=	1.96	IFR=	0	ITN=	12	ITC=	12
I=	76	X=	3.112	YN=	945.13	DEPN=	2.53	YC=	944.51	DEPC=	1.91	IFR=	0	ITN=	12	ITC=	12
I=	77	X=	3.135	YN=	944.57	DEPN=	2.49	YC=	943.94	DEPC=	1.86	IFR=	0	ITN=	12	ITC=	12
I=	78	X=	3.158	YN=	944.00	DEPN=	2.44	YC=	943.38	DEPC=	1.82	IFR=	0	ITN=	11	ITC=	11
I=	79	X=	3.181	YN=	943.43	DEPN=	2.39	YC=	942.81	DEPC=	1.77	IFR=	0	ITN=	11	ITC=	11

I=	80	X=	3.204	YN=	942.87	DEPN=	2.35	YC=	942.25	DEPC=	1.73	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	3.227	YN=	942.34	DEPN=	2.34	YC=	941.68	DEPC=	1.68	IFR=	0	ITN=	11	ITC=	11
I=	82	X=	3.522	YN=	935.84	DEPN=	2.24	YC=	935.22	DEPC=	1.62	IFR=	0	ITN=	11	ITC=	11
I=	83	X=	3.818	YN=	929.25	DEPN=	2.05	YC=	928.76	DEPC=	1.56	IFR=	0	ITN=	11	ITC=	11
I=	84	X=	4.065	YN=	921.67	DEPN=	2.07	YC=	921.20	DEPC=	1.60	IFR=	0	ITN=	11	ITC=	11
I=	85	X=	4.312	YN=	914.29	DEPN=	2.29	YC=	913.60	DEPC=	1.60	IFR=	0	ITN=	11	ITC=	11
I=	86	X=	4.736	YN=	906.92	DEPN=	2.12	YC=	906.36	DEPC=	1.56	IFR=	0	ITN=	11	ITC=	11
I=	87	X=	5.292	YN=	893.56	DEPN=	2.06	YC=	893.11	DEPC=	1.61	IFR=	0	ITN=	11	ITC=	11
I=	88	X=	5.481	YN=	888.37	DEPN=	2.03	YC=	887.86	DEPC=	1.53	IFR=	0	ITN=	11	ITC=	11
I=	89	X=	5.671	YN=	883.05	DEPN=	1.88	YC=	882.60	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	90	X=	5.860	YN=	877.75	DEPN=	1.75	YC=	877.30	DEPC=	1.30	IFR=	0	ITN=	11	ITC=	11
I=	91	X=	5.898	YN=	877.22	DEPN=	1.89	YC=	876.68	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	92	X=	5.936	YN=	876.59	DEPN=	1.92	YC=	876.04	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	93	X=	5.974	YN=	875.94	DEPN=	1.94	YC=	875.40	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	94	X=	6.012	YN=	875.31	DEPN=	1.98	YC=	874.74	DEPC=	1.41	IFR=	0	ITN=	11	ITC=	11
I=	95	X=	6.050	YN=	874.66	DEPN=	2.00	YC=	874.10	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	96	X=	6.088	YN=	874.01	DEPN=	2.01	YC=	873.44	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	97	X=	6.125	YN=	873.36	DEPN=	2.03	YC=	872.78	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	98	X=	6.163	YN=	872.71	DEPN=	2.05	YC=	872.14	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	99	X=	6.201	YN=	872.06	DEPN=	2.06	YC=	871.47	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	100	X=	6.239	YN=	871.41	DEPN=	2.08	YC=	870.81	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	101	X=	6.277	YN=	870.76	DEPN=	2.09	YC=	870.16	DEPC=	1.49	IFR=	0	ITN=	12	ITC=	12
I=	102	X=	6.315	YN=	870.11	DEPN=	2.11	YC=	869.49	DEPC=	1.49	IFR=	0	ITN=	12	ITC=	12
I=	103	X=	6.353	YN=	869.44	DEPN=	2.11	YC=	868.84	DEPC=	1.51	IFR=	0	ITN=	12	ITC=	12
I=	104	X=	6.391	YN=	868.79	DEPN=	2.12	YC=	868.17	DEPC=	1.51	IFR=	0	ITN=	12	ITC=	12
I=	105	X=	6.428	YN=	868.01	DEPN=	2.01	YC=	867.51	DEPC=	1.51	IFR=	0	ITN=	12	ITC=	12
I=	106	X=	6.618	YN=	862.98	DEPN=	1.98	YC=	862.49	DEPC=	1.49	IFR=	0	ITN=	12	ITC=	12
I=	107	X=	6.807	YN=	857.96	DEPN=	1.96	YC=	857.48	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	108	X=	6.997	YN=	852.99	DEPN=	1.99	YC=	852.46	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	109	X=	7.565	YN=	840.01	DEPN=	2.01	YC=	839.52	DEPC=	1.52	IFR=	0	ITN=	12	ITC=	12
I=	110	X=	7.707	YN=	836.98	DEPN=	1.98	YC=	836.44	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	111	X=	7.849	YN=	833.85	DEPN=	1.85	YC=	833.36	DEPC=	1.36	IFR=	0	ITN=	11	ITC=	11
I=	112	X=	7.991	YN=	830.70	DEPN=	1.70	YC=	830.25	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	113	X=	8.133	YN=	827.49	DEPN=	1.49	YC=	827.14	DEPC=	1.14	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	8.204	YN=	825.86	DEPN=	1.49	YC=	825.50	DEPC=	1.13	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	8.275	YN=	824.24	DEPN=	1.49	YC=	823.88	DEPC=	1.13	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	8.346	YN=	822.61	DEPN=	1.48	YC=	822.24	DEPC=	1.12	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	8.417	YN=	820.98	DEPN=	1.48	YC=	820.61	DEPC=	1.11	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	8.488	YN=	819.36	DEPN=	1.48	YC=	818.99	DEPC=	1.11	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	8.559	YN=	817.72	DEPN=	1.47	YC=	817.36	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	120	X=	8.630	YN=	816.09	DEPN=	1.47	YC=	815.73	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	121	X=	8.701	YN=	814.43	DEPN=	1.43	YC=	814.10	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11

(IFR(I),I=1,N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0									

IN= 121 YNN= 814.43 DEP= 1.43

I=	120	X=	8.630	QIL=	1500.	YIL=	816.11	DEP=	1.48	ITB=	4
I=	119	X=	8.559	QIL=	1500.	YIL=	817.71	DEP=	1.46	ITB=	5
I=	118	X=	8.488	QIL=	1500.	YIL=	819.36	DEP=	1.49	ITB=	4
I=	117	X=	8.417	QIL=	1500.	YIL=	820.98	DEP=	1.48	ITB=	4
I=	116	X=	8.346	QIL=	1500.	YIL=	822.61	DEP=	1.49	ITB=	4
I=	115	X=	8.275	QIL=	1500	YIL=	824.24	DEP=	1.49	ITB=	5
I=	114	X=	8.204	QIL=	1500.	YIL=	825.87	DEP=	1.49	ITB=	5
I=	113	X=	8.133	QIL=	1500.	YIL=	827.49	DEP=	1.49	ITB=	5
I=	112	X=	7.991	QIL=	1500.	YIL=	830.69	DEP=	1.69	ITB=	4
I=	111	X=	7.849	QIL=	1500.	YIL=	833.83	DEP=	1.83	ITB=	4
I=	110	X=	7.707	QIL=	1500.	YIL=	836.97	DEP=	1.97	ITB=	4
I=	109	X=	7.565	QIL=	1500.	YIL=	840.08	DEP=	2.08	ITB=	4
I=	108	X=	6.997	QIL=	1500.	YIL=	852.96	DEP=	1.96	ITB=	4
I=	107	X=	6.807	QIL=	1500.	YIL=	857.92	DEP=	1.92	ITB=	3
I=	106	X=	6.618	QIL=	1500.	YIL=	863.01	DEP=	2.01	ITB=	4
I=	105	X=	6.428	QIL=	1500.	YIL=	867.98	DEP=	1.98	ITB=	4
I=	104	X=	6.391	QIL=	1500.	YIL=	868.81	DEP=	2.15	ITB=	5
I=	103	X=	6.353	QIL=	1500.	YIL=	869.45	DEP=	2.12	ITB=	5
I=	102	X=	6.315	QIL=	1500.	YIL=	870.11	DEP=	2.11	ITB=	5
I=	101	X=	6.277	QIL=	1500.	YIL=	870.77	DEP=	2.10	ITB=	5
I=	100	X=	6.239	QIL=	1500.	YIL=	871.42	DEP=	2.09	ITB=	5
I=	99	X=	6.201	QIL=	1500.	YIL=	872.08	DEP=	2.08	ITB=	5
I=	98	X=	6.163	QIL=	1500.	YIL=	872.73	DEP=	2.06	ITB=	5
I=	97	X=	6.125	QIL=	1500.	YIL=	873.38	DEP=	2.05	ITB=	5
I=	96	X=	6.088	QIL=	1500.	YIL=	874.03	DEP=	2.03	ITB=	5
I=	95	X=	6.050	QIL=	1500.	YIL=	874.68	DEP=	2.01	ITB=	5
I=	94	X=	6.012	QIL=	1500.	YIL=	875.32	DEP=	1.99	ITB=	5
I=	93	X=	5.974	QIL=	1500.	YIL=	875.96	DEP=	1.96	ITB=	5
I=	92	X=	5.936	QIL=	1500.	YIL=	876.60	DEP=	1.93	ITB=	5
I=	91	X=	5.898	QIL=	1500.	YIL=	877.23	DEP=	1.90	ITB=	5
I=	90	X=	5.860	QIL=	1500.	YIL=	877.85	DEP=	1.85	ITB=	5
I=	89	X=	5.671	QIL=	1500.	YIL=	882.89	DEP=	1.72	ITB=	2
I=	88	X=	5.481	QIL=	1500.	YIL=	888.50	DEP=	2.16	ITB=	4
I=	87	X=	5.292	QIL=	1500.	YIL=	893.50	DEP=	2.00	ITB=	4
I=	86	X=	4.736	QIL=	1500.	YIL=	907.04	DEP=	2.24	ITB=	4
I=	85	X=	4.312	QIL=	1500.	YIL=	914.26	DEP=	2.26	ITB=	5
I=	84	X=	4.065	QIL=	1500.	YIL=	921.53	DEP=	1.93	ITB=	4
I=	83	X=	3.818	QIL=	1500	YIL=	929.36	DEP=	2.16	ITB=	4
I=	82	X=	3.522	QIL=	1500.	YIL=	935.83	DEP=	2.23	ITB=	5
I=	81	X=	3.227	QIL=	1500.	YIL=	942.32	DEP=	2.32	ITB=	4
I=	80	X=	3.204	QIL=	1500.	YIL=	942.84	DEP=	2.32	ITB=	5
I=	79	X=	3.181	QIL=	1500.	YIL=	943.40	DEP=	2.36	ITB=	5
I=	78	X=	3.158	QIL=	1500.	YIL=	943.97	DEP=	2.41	ITB=	5
I=	77	X=	3.135	QIL=	1500.	YIL=	944.54	DEP=	2.46	ITB=	5
I=	76	X=	3.112	QIL=	1500.	YIL=	945.10	DEP=	2.50	ITB=	5
I=	75	X=	3.089	QIL=	1500.	YIL=	945.66	DEP=	2.54	ITB=	5
I=	74	X=	3.066	QIL=	1500.	YIL=	946.23	DEP=	2.59	ITB=	5
I=	73	X=	3.043	QIL=	1500.	YIL=	946.79	DEP=	2.63	ITB=	5
I=	72	X=	3.020	QIL=	1500.	YIL=	947.36	DEP=	2.68	ITB=	5
I=	71	X=	2.997	QIL=	1500	YIL=	947.92	DEP=	2.72	ITB=	5
I=	70	X=	2.974	QIL=	1500.	YIL=	948.48	DEP=	2.76	ITB=	5
I=	69	X=	2.951	QIL=	1500.	YIL=	949.05	DEP=	2.81	ITB=	5
I=	68	X=	2.928	QIL=	1500.	YIL=	949.61	DEP=	2.85	ITB=	5
I=	67	X=	2.905	QIL=	1500	YIL=	950.17	DEP=	2.89	ITB=	5
I=	66	X=	2.882	QIL=	1500	YIL=	950.74	DEP=	2.94	ITB=	5
I=	65	X=	2.859	QIL=	1500.	YIL=	951.30	DEP=	2.98	ITB=	5
I=	64	X=	2.836	QIL=	1500.	YIL=	951.86	DEP=	3.02	ITB=	5
I=	63	X=	2.813	QIL=	1500.	YIL=	952.42	DEP=	3.06	ITB=	5
I=	62	X=	2.790	QIL=	1500.	YIL=	952.98	DEP=	3.10	ITB=	5

I=	61	X=	2.767	QIL=	1500.	YIL=	953.54	DEP=	3.14	ITB=	5
I=	60	X=	2.744	QIL=	1500	YIL=	954.11	DEP=	3.19	ITB=	5
I=	59	X=	2.721	QIL=	1500	YIL=	954.67	DEP=	3.23	ITB=	5
I=	58	X=	2.698	QIL=	1500.	YIL=	955.23	DEP=	3.27	ITB=	5
I=	57	X=	2.675	QIL=	1500.	YIL=	955.79	DEP=	3.31	ITB=	5
I=	56	X=	2.652	QIL=	1500.	YIL=	956.35	DEP=	3.35	ITB=	5
I=	55	X=	2.619	QIL=	1500.	YIL=	957.42	DEP=	3.10	ITB=	5
I=	54	X=	2.585	QIL=	1500.	YIL=	958.82	DEP=	3.18	ITB=	4
I=	53	X=	2.552	QIL=	1500.	YIL=	960.07	DEP=	3.11	ITB=	5
I=	52	X=	2.519	QIL=	1500.	YIL=	961.39	DEP=	3.11	ITB=	5
I=	51	X=	2.485	QIL=	1500.	YIL=	962.68	DEP=	3.08	ITB=	5
I=	50	X=	2.452	QIL=	1500.	YIL=	963.99	DEP=	3.07	ITB=	5
I=	49	X=	2.418	QIL=	1500.	YIL=	965.28	DEP=	3.04	ITB=	5
I=	48	X=	2.385	QIL=	1500.	YIL=	966.58	DEP=	3.02	ITB=	5
I=	47	X=	2.352	QIL=	1500.	YIL=	967.88	DEP=	3.00	ITB=	5
I=	46	X=	2.318	QIL=	1500.	YIL=	969.19	DEP=	2.99	ITB=	5
I=	45	X=	2.285	QIL=	1500.	YIL=	970.49	DEP=	2.97	ITB=	4
I=	44	X=	2.252	QIL=	1500.	YIL=	971.79	DEP=	2.95	ITB=	4
I=	43	X=	2.218	QIL=	1500.	YIL=	973.09	DEP=	2.93	ITB=	4
I=	42	X=	2.185	QIL=	1500	YIL=	974.40	DEP=	2.92	ITB=	4
I=	41	X=	2.152	QIL=	1500	YIL=	975.70	DEP=	2.90	ITB=	4
I=	40	X=	2.118	QIL=	1500.	YIL=	977.01	DEP=	2.89	ITB=	4
I=	39	X=	2.085	QIL=	1500.	YIL=	978.31	DEP=	2.87	ITB=	4
I=	38	X=	2.052	QIL=	1500.	YIL=	979.62	DEP=	2.86	ITB=	4
I=	37	X=	2.018	QIL=	1500.	YIL=	980.92	DEP=	2.84	ITB=	4
I=	36	X=	1.985	QIL=	1500.	YIL=	982.23	DEP=	2.83	ITB=	4
I=	35	X=	1.951	QIL=	1500.	YIL=	983.54	DEP=	2.82	ITB=	4
I=	34	X=	1.918	QIL=	1500.	YIL=	984.85	DEP=	2.81	ITB=	4
I=	33	X=	1.885	QIL=	1500.	YIL=	986.16	DEP=	2.80	ITB=	4
I=	32	X=	1.851	QIL=	1500.	YIL=	987.48	DEP=	2.80	ITB=	4
I=	31	X=	1.818	QIL=	1500.	YIL=	988.79	DEP=	2.79	ITB=	4
I=	30	X=	1.780	QIL=	1500	YIL=	990.02	DEP=	2.94	ITB=	4
I=	29	X=	1.742	QIL=	1500	YIL=	991.00	DEP=	2.84	ITB=	5
I=	28	X=	1.704	QIL=	1500.	YIL=	992.00	DEP=	2.77	ITB=	4
I=	27	X=	1.667	QIL=	1500.	YIL=	993.00	DEP=	2.69	ITB=	4
I=	26	X=	1.629	QIL=	1500.	YIL=	993.99	DEP=	2.61	ITB=	5
I=	25	X=	1.591	QIL=	1500.	YIL=	994.99	DEP=	2.52	ITB=	5
I=	24	X=	1.553	QIL=	1500.	YIL=	995.97	DEP=	2.43	ITB=	5
I=	23	X=	1.515	QIL=	1500.	YIL=	996.95	DEP=	2.34	ITB=	5
I=	22	X=	1.477	QIL=	1500.	YIL=	997.92	DEP=	2.23	ITB=	5
I=	21	X=	1.440	QIL=	1500.	YIL=	998.88	DEP=	2.11	ITB=	5
I=	20	X=	1.402	QIL=	1500.	YIL=	999.83	DEP=	1.98	ITB=	5
I=	19	X=	1.364	QIL=	1500.	YIL=	1000.75	DEP=	1.83	ITB=	5
I=	18	X=	1.326	QIL=	1500.	YIL=	1001.63	DEP=	1.63	ITB=	5
I=	17	X=	1.297	QIL=	1500.	YIL=	1002.73	DEP=	1.49	ITB=	5
I=	16	X=	1.268	QIL=	1500.	YIL=	1004.36	DEP=	1.90	ITB=	4
I=	15	X=	1.239	QIL=	1500.	YIL=	1005.55	DEP=	1.86	ITB=	5
I=	14	X=	1.209	QIL=	1500.	YIL=	1006.99	DEP=	2.07	ITB=	4
I=	13	X=	1.180	QIL=	1500.	YIL=	1008.27	DEP=	2.11	ITB=	5
I=	12	X=	1.151	QIL=	1500.	YIL=	1009.62	DEP=	2.23	ITB=	4
I=	11	X=	1.122	QIL=	1500.	YIL=	1010.92	DEP=	2.30	ITB=	5
I=	10	X=	1.093	QIL=	1500.	YIL=	1012.24	DEP=	2.39	ITB=	4
I=	9	X=	1.064	QIL=	1500.	YIL=	1013.54	DEP=	2.46	ITB=	4
I=	8	X=	1.034	QIL=	1500.	YIL=	1014.84	DEP=	2.53	ITB=	4
I=	7	X=	1.005	QIL=	1500	YIL=	1016.14	DEP=	2.60	ITB=	4
I=	6	X=	0.976	QIL=	1500	YIL=	1017.44	DEP=	2.67	ITB=	4
I=	5	X=	0.947	QIL=	1500	YIL=	1018.73	DEP=	2.73	ITB=	4
I=	4	X=	0.821	QIL=	1500.	YIL=	1023.59	DEP=	2.92	ITB=	4
I=	3	X=	0.694	QIL=	1500.	YIL=	1028.20	DEP=	2.87	ITB=	4
I=	2	X=	0.568	QIL=	1500.	YIL=	1033.04	DEP=	3.04	ITB=	3

I= 1 X= 0.000 GIL= 1500. YIL= 1079.80 DEP= 29.80 ITB= 0

INITIAL CONDITIONS

(GDI(I), I=1, N)

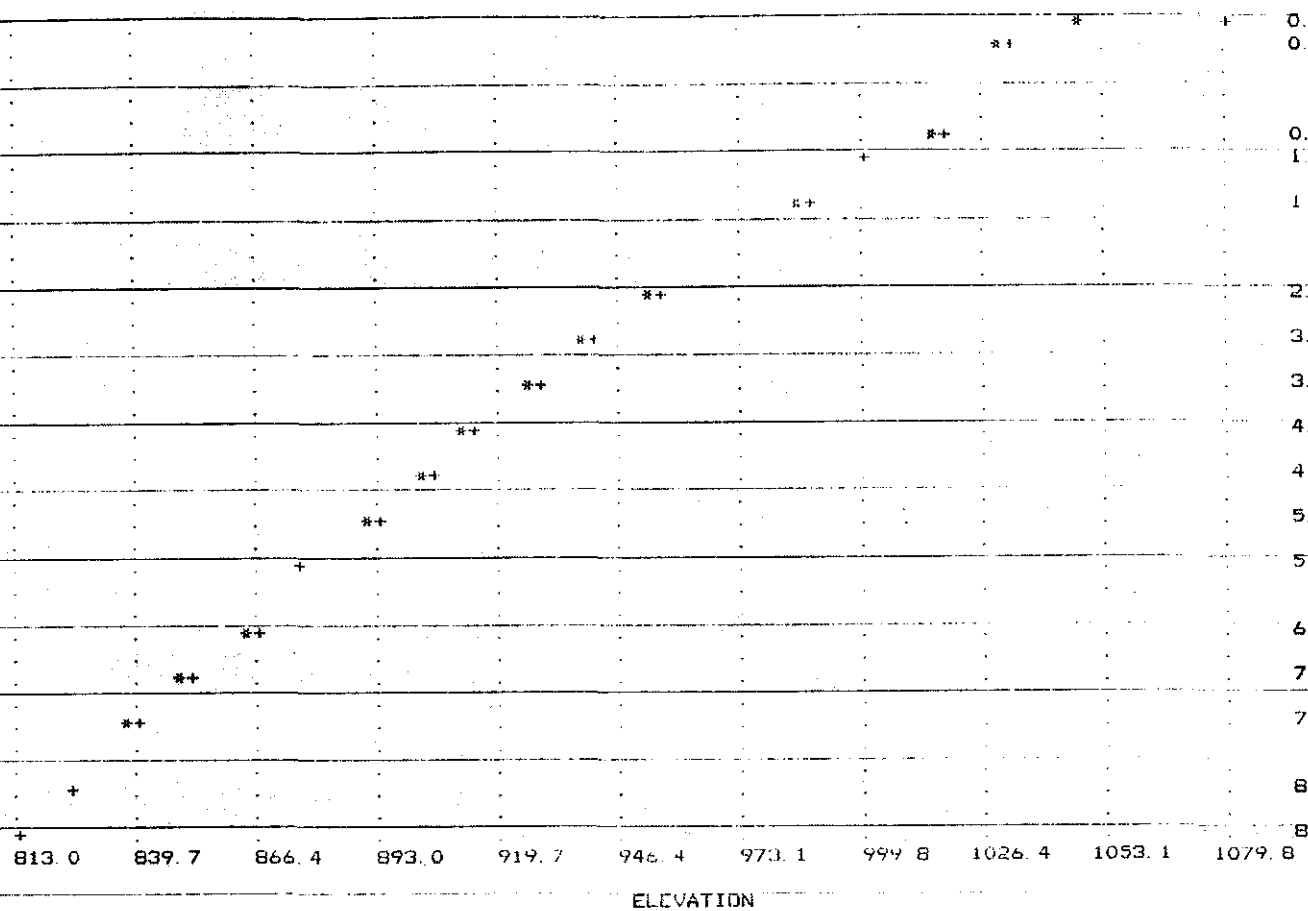
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.							

(YI(I), I=1, N)

1079.80	1033.04	1028.20	1023.59	1018.73	1017.44	1016.14	1014.84
1013.54	1012.24	1010.92	1009.62	1008.27	1006.99	1005.55	1004.36
1002.73	1001.63	1000.75	999.83	998.88	997.92	996.95	995.97
994.99	993.99	993.00	992.00	991.00	990.02	988.79	987.48
986.16	984.85	983.54	982.23	980.92	979.62	978.31	977.01
975.70	974.40	973.09	971.79	970.49	969.19	967.88	966.58
965.28	963.99	962.68	961.39	960.07	958.82	957.42	956.35
955.79	955.23	954.67	954.11	953.54	952.98	952.42	951.86
951.30	950.74	950.17	949.61	949.05	948.48	947.92	947.36
946.79	946.23	945.66	945.10	944.54	943.97	943.40	942.84
942.32	935.83	929.36	921.53	914.26	907.04	893.50	888.50
882.89	877.85	877.23	876.60	875.96	875.32	874.68	874.03
873.38	872.73	872.08	871.42	870.77	870.11	869.45	868.81
867.98	863.01	857.92	852.96	840.08	836.97	833.83	830.69
827.49	825.87	824.24	822.61	820.98	819.36	817.71	816.11
814.43							

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1050.00	1079.80	29.80
0.57	1030.00	1033.04	3.04
0.95	1016.00	1018.73	2.73
1.33	1000.00	1001.63	1.63
1.82	988.00	988.79	2.79
2.65	953.00	956.35	3.35
3.23	940.00	942.32	2.32
3.82	927.20	929.36	2.16
4.31	912.00	914.26	2.26
4.74	904.80	907.04	2.24
5.29	891.50	893.50	2.00
5.86	876.00	877.85	1.85
6.43	866.00	867.98	1.98
7.00	851.00	852.96	1.96
7.56	838.00	840.08	2.08
8.13	826.00	827.49	1.49
8.70	813.00	814.43	1.43

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	1.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	9.500
TIME TO PEAK	HR	TP	4.500
TIME STEP SIZE	HR	DTHI	0.075

```
TT =    0.0000          DTH =   0.0750          ITERR =    0
QU(1) =     1500.00     YU(1) =     1079.80  QU(N) =     1500.00  YU(N) =     814.43
FRDM=    0.69  IIFR=    17  FRM=0.00 IIFM=    1

TT =    0.0000          DTH =   0.0750          ITERR =    0
QU(1) =     1500.00     YU(1) =     1079.81  QU(N) =     1500.00  YU(N) =     814.45
FRDM=    0.61  IIFR=    17  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
I	0	0.000	1500.0	1079.81	1088.00	1033.04	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.0000          DTH =   0.0750          ITERR =    0
QU(1) =     1509.27     YU(1) =     1079.83  QU(N) =     1541.34  YU(N) =     814.47
FRDM=    0.64  IIFR=    17  FRM=0.00 IIFM=    1
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RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
I	0	0.000	1509.3	1079.83	1088.00	1033.04	1.00	0.0	1509.3	0.0	0.0	1509.3

```
TT =    0.2250          DTH =  0.2250          ITERR =    0
QU(1) =     1543.84     YU(1) =     1079.89  QU(N) =     1523.76  YU(N) =     814.47
FRDM=     0.64  IIFR=    17  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0      0.225     1543.8    1079.89   1088.00   1033.06     1.00       0.0     1543.8       0.0       0.0    1543.8

TT =    0.4500          DTH =  0.2250          ITERR =    0
QU(1) =     1653.23     YU(1) =     1079.98  QU(N) =     1541.55  YU(N) =     814.47
FRDM=     0.62  IIFR=    17  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0      0.450     1653.2    1079.98   1088.00   1033.13     1.00       0.0     1653.2       0.0       0.0    1653.2

TT =    0.6750          DTH =  0.2250          ITERR =    1
QU(1) =     1963.95     YU(1) =     1080.16  QU(N) =     1531.03  YU(N) =     814.47
FRDM=     0.65  IIFR=    17  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1      0.675     1964.0    1080.16   1088.00   1033.32     1.00       0.0     1964.0       0.0       0.0    1964.0

TT =    0.9000          DTH =  0.2250          ITERR =    1
QU(1) =     2733.94     YU(1) =     1080.49  QU(N) =     1537.30  YU(N) =     814.47
FRDM=     0.64  IIFR=    17  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1      0.900     2733.9    1080.49   1088.00   1033.73     1.00       0.0     2733.9       0.0       0.0    2733.9
```

```
TT =    1.1250          DTH =  0.2250          ITERR =    1
QU(1) =     4339.45     YU(1) =     1081.00  QU(N) =     1534.14  YU(N) =     814.47
FRDM=     0.65  IIFR=    17  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.125     4339.5   1081.00   1088.00   1034.39       1.00       0.0     4339.5       0.0       0.0    4339.5

TT =    1.3500          DTH =  0.2250          ITERR =    1
QU(1) =     7261.75     YU(1) =     1081.72  QU(N) =     1535.36  YU(N) =     814.47
FRDM=     0.68  IIFR=    17  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.350     7261.7   1081.72   1088.00   1035.27       1.00       0.0     7261.7       0.0       0.0    7261.7

TT =    1.5750          DTH =  0.2250          ITERR =    1
QU(1) =     11704.63    YU(1) =     1082.62  QU(N) =     1535.47  YU(N) =     814.47
FRDM=     0.68  IIFR=    17  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.575    11704.6   1082.62   1088.00   1036.27       1.00       0.0    11704.6       0.0       0.0   11704.6

TT =    1.8000          DTH =  0.2250          ITERR =    1
QU(1) =     17351.87    YU(1) =     1083.58  QU(N) =     1535.83  YU(N) =     814.47
FRDM=     0.66  IIFR=    17  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.800    17351.9   1083.58   1088.00   1037.25       1.00       0.0    17351.9       0.0       0.0   17351.9
```

```
TT =    2.0250          DTH =  0.2250          ITERR =    1
GU(1) =    23827.31     YU(1) =    1084.55  GU(N) =    1537.39  YU(N) =    814.47
FRDM=    0.65  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.025   23827.3   1084.55   1088.00   1038.15   1.00   0.0   23827.3    0.0       0.0    23827.3

TT =    2.2500          DTH =  0.2250          ITERR =    1
GU(1) =    30660.38     YU(1) =    1085.47  GU(N) =    1538.98  YU(N) =    814.47
FRDM=    0.67  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.250   30660.4   1085.47   1088.00   1038.95   1.00   0.0   30660.4    0.0       0.0    30660.4

TT =    2.4750          DTH =  0.2250          ITERR =    1
GU(1) =    37417.63     YU(1) =    1086.31  GU(N) =    1540.52  YU(N) =    814.47
FRDM=    0.68  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.475   37417.6   1086.31   1088.00   1039.64   1.00   0.0   37417.6    0.0       0.0    37417.6

TT =    2.5500          DTH =  0.0750          ITERR =    1
GU(1) =    39631.77     YU(1) =    1086.58  GU(N) =    1554.87  YU(N) =    814.47
FRDM=    0.68  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.550   39631.8   1086.58   1088.00   1039.85   1.00   0.0   39631.8    0.0       0.0    39631.8
```

```
TT =    2.6250          DTH =  0.0750          ITERR =    1
QU(1) =    41811.46     YU(1) =    1086.84  QU(N) =    1555.45  YU(N) =    814.47
FRDM=    0.68  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      QU(1)      QBRECH      QOVTOP      QOTHR
1    1    2.625   41811.5   1086.84   1088.00   1040.05   1.00   0.0   41811.5   0.0   0.0   41811.5

TT =    2.7000          DTH =  0.0750          ITERR =    1
QU(1) =    43952.06     YU(1) =    1087.08  QU(N) =    1556.06  YU(N) =    814.47
FRDM=    0.68  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      QU(1)      QBRECH      QOVTOP      QOTHR
1    1    2.700   43952.1   1087.08   1088.00   1040.24   1.00   0.0   43952.1   0.0   0.0   43952.1

TT =    2.7750          DTH =  0.0750          ITERR =    1
QU(1) =    46086.20     YU(1) =    1087.32  QU(N) =    1556.36  YU(N) =    814.47
FRDM=    0.69  IIFR=    5  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      QU(1)      QBRECH      QOVTOP      QOTHR
1    1    2.775   46086.2   1087.32   1086.60   1040.41   1.00   17.5   46086.2   34.7   0.0   46051.6

TT =    2.8500          DTH =  0.0750          ITERR =    1
QU(1) =    48519.07     YU(1) =    1087.55  QU(N) =    1556.33  YU(N) =    814.47
FRDM=    0.69  IIFR=    5  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2      YB      D      SUB      BB      QU(1)      QBRECH      QOVTOP      QOTHR
1    1    2.850   48519.1   1087.55   1085.20   1040.51   1.00   35.0   48519.1   413.1   0.0   48105.9
```

```
TT =    2.9250          DTH =  0.0750          ITERR =    1
QU(1) =    51467.43     YU(1) =     1087.77  QU(N) =     1556.51  YU(N) =     814.47
FRDM=     0.69  IIFR=     5  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.925	51467.4	1087.77	1083.80	1040.84	1.00	52.5	51467.4	1367.2	0.0	50100.2

```
TT =    3.0000          DTH =  0.0750          ITERR =    1
QU(1) =    55061.56     YU(1) =     1087.98  QU(N) =     1556.39  YU(N) =     814.47
FRDM=     0.70  IIFR=     5  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.000	55061.6	1087.98	1082.40	1041.11	1.00	70.0	55061.6	3044.1	0.0	52017.4

```
TT =    3.0750          DTH =  0.0750          ITERR =    1
QU(1) =    60438.54     YU(1) =     1088.17  QU(N) =     1556.47  YU(N) =     814.47
FRDM=     0.70  IIFR=     5  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.075	60438.5	1088.17	1081.00	1041.49	1.00	87.5	60438.5	5556.1	1058.5	53824.0

```
TT =    3.1500          DTH =  0.0750          ITERR =    1
QU(1) =    67195.80     YU(1) =     1088.35  QU(N) =     1556.41  YU(N) =     814.47
FRDM=     0.71  IIFR=     5  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.150	67195.8	1088.35	1079.[illegible]	1041.75	1.00	105.0	67195.8	8990.3	3022.8	55182.7

```
TT =    3.2250          DTH =  0.0750          ITERR =    1
QU(1) =    74980.64     YU(1) =     1088.50  GU(N) =     1556.45  YU(N) =      814.47
FRDM=     0.71  IIFR=     5  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.225   74980.6   1088.50   1078.20   1042.45      1.00     122.5   74980.6   13413.1    5217.4   56350.2

TT =    3.3000          DTH =  0.0750          ITERR =    1
QU(1) =    83513.76     YU(1) =     1088.63  GU(N) =     1556.42  YU(N) =      814.47
FRDM=     0.72  IIFR=     5  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.300   83513.8   1088.63   1076.80   1042.96      1.00     140.0   83513.8   18875.8    7338.6   57299.4

TT =    3.3750          DTH =  0.0750          ITERR =    1
QU(1) =    92608.52     YU(1) =     1088.74  GU(N) =     1556.39  YU(N) =      814.47
FRDM=     0.72  IIFR=     5  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.375   92608.5   1088.74   1075.40   1043.48      1.00     157.5   92608.5   25417.4    9184.3   58006.8

TT =    3.4500          DTH =  0.0750          ITERR =    1
QU(1) =   102135.81     YU(1) =     1088.81  GU(N) =     1556.40  YU(N) =      814.47
FRDM=     0.73  IIFR=     5  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.450  102135.8   1088.81   1074.35   1043.99      1.00     175.0  102135.8   33065.0   10616.4   58454.3
```

```
TT =    3.5250          DTH =  0.0750          ITERR =   1
QU(1) =  112291.79     YU(1) =    1088.86  QU(N) =    1556.40  YU(N) =     814.47
FRDM=    0.73  IIFR=    5  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.525  112291.8   1088.86   1072.60   1044.51      1.00     192.5  112291.8   41837.4   11527.6   58926.7

TT =    3.6000          DTH =  0.0750          ITERR =   1
QU(1) =  122707.84     YU(1) =    1088.88  QU(N) =    1556.40  YU(N) =     814.47
FRDM=    0.74  IIFR=    5  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.600  122707.8   1088.88   1071.20   1045.02      1.00     210.0  122707.8   51741.7   11856.2   59109.9

TT =    3.6750          DTH =  0.0750          ITERR =   1
QU(1) =  133361.56     YU(1) =    1088.87  QU(N) =    1556.40  YU(N) =     814.47
FRDM=    0.74  IIFR=    5  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.675  133361.6   1088.87   1069.80   1045.51      1.00     227.5  133361.6   62781.2   11580.7   58999.6

TT =    3.7500          DTH =  0.0750          ITERR =   1
QU(1) =  144248.31     YU(1) =    1088.83  QU(N) =    1556.39  YU(N) =     814.47
FRDM=    0.75  IIFR=    5  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.750  144248.3   1088.83   1068.40   1045.79      1.00     245.0  144248.3   74952.6   10706.3   58589.4
```

TT = 3.8250 DTH = 0.0750 ITERR = 1
QU(1) = 155383.78 YU(1) = 1088.75 QU(N) = 1556.37 YU(N) = 814.47
FRDM= 0.75 IIFR= 5 FRM=0.07 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.825	155383.8	1088.75	1067.00	1046.47	1.00	262.5	155383.8	88244.7	9266.4	57872.7

TT = 3.9000 DTH = 0.0750 ITERR = 1
QU(1) = 166823.06 YU(1) = 1088.65 QU(N) = 1556.24 YU(N) = 814.47
FRDM= 0.75 IIFR= 5 FRM=0.08 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.900	166823.1	1088.65	1065.60	1046.93	1.00	280.0	166823.1	102634.5	7345.3	56843.2

TT = 3.9750 DTH = 0.0750 ITERR = 1
QU(1) = 178655.59 YU(1) = 1088.51 QU(N) = 1556.12 YU(N) = 814.47
FRDM= 0.75 IIFR= 5 FRM=0.09 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.975	178655.6	1088.51	1064.20	1047.40	1.00	297.5	178655.6	118096.6	5066.1	55492.9

TT = 4.0500 DTH = 0.0750 ITERR = 1
QU(1) = 191096.30 YU(1) = 1088.33 QU(N) = 1557.95 YU(N) = 814.47
FRDM= 0.76 IIFR= 5 FRM=0.09 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.050	191096.3	1088.33	1062.85	1047.87	1.00	315.0	191096.3	134601.5	2669.6	53825.1

```
TT =    4.1250          DTH =  0.0750          ITERR =    1
QU(1) =  204540.06     YU(1) =    1088.12  QU(N) =    1579.79  YU(N) =     814.48
FRDM=    0.76  IIFR=    5  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.125  204540.1   1088.12   1061.40   1048.35      1.00     332.5  204540.1  152117.0     583.4   51839.7


TT =    4.2000          DTH =  0.0750          ITERR =    1
QU(1) =  220076.17     YU(1) =    1087.87  QU(N) =    1799.86  YU(N) =     814.53
FRDM=    0.76  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.200  220076.2   1087.87   1060.00   1048.89      1.00     350.0  220076.2  170570.9       0.0   49505.3


TT =    4.2750          DTH =  0.0750          ITERR =    1
QU(1) =  215128.89     YU(1) =    1087.60  QU(N) =    3242.70  YU(N) =     814.79
FRDM=    0.76  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.275  215128.9   1087.60   1060.00   1048.79      1.00     350.0  215128.9  168051.5       0.0   47077.4


TT =    4.3500          DTH =  0.0750          ITERR =    1
QU(1) =  210579.41     YU(1) =    1087.36  QU(N) =    8464.96  YU(N) =     815.32
FRDM=    0.76  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.350  210579.4   1087.36   1060.00   1048.62      1.00     350.0  210579.4  165715.0       0.0   44864.4
```

TT = 4.4250 DTH = 0.0750 ITERR = 1
QU(1) = 206414.19 YU(1) = 1087.13 QU(N) = 17353.25 YU(N) = 815.90
FRDM= 0.76 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.425	206414.2	1087.13	1060.00	1048.48	1.00	350.0	206414.2	163566.0	0.0	42848.2

TT = 4.5000 DTH = 0.0750 ITERR = 1
QU(1) = 202611.52 YU(1) = 1086.92 QU(N) = 25609.36 YU(N) = 816.32
FRDM= 0.76 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.500	202611.5	1086.92	1060.00	1048.34	1.00	350.0	202611.5	161593.7	0.0	41017.8

TT = 4.5750 DTH = 0.0750 ITERR = 1
QU(1) = 199063.72 YU(1) = 1086.72 QU(N) = 31904.29 YU(N) = 816.61
FRDM= 0.76 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.575	199063.7	1086.72	1060.00	1048.21	1.00	350.0	199063.7	159745.3	0.0	39318.4

TT = 4.6500 DTH = 0.0750 ITERR = 1
QU(1) = 195667.55 YU(1) = 1086.53 QU(N) = 37895.38 YU(N) = 816.86
FRDM= 0.76 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.650	195667.5	1086.53	1060.00	1048.09	1.00	350.0	195667.5	157967.2	0.0	37700.4

TT = 4.7250 DTH = 0.0750 ITERR = 1
QU(1) = 192416.19 YU(1) = 1086.34 QU(N) = 44562.08 YU(N) = 817.10
FRDM= 0.76 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.725	192416.2	1086.34	1060.00	1047.97	1.00	350.0	192416.2	156257.2	0.0	36159.0

TT = 4.8000 DTH = 0.0750 ITERR = 1
QU(1) = 189300.73 YU(1) = 1086.17 QU(N) = 53076.50 YU(N) = 817.38
FRDM= 0.75 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.800	189300.7	1086.17	1060.00	1047.85	1.00	350.0	189300.7	154611.5	0.0	34689.2

TT = 4.8750 DTH = 0.0750 ITERR = 1
QU(1) = 186314.59 YU(1) = 1085.99 QU(N) = 64279.23 YU(N) = 817.70
FRDM= 0.75 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.875	186314.6	1085.99	1060.00	1047.74	1.00	350.0	186314.6	153025.9	0.0	33288.7

TT = 4.9500 DTH = 0.0750 ITERR = 1
QU(1) = 183450.11 YU(1) = 1085.83 QU(N) = 78568.73 YU(N) = 818.06
FRDM= 0.75 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.950	183450.1	1085.83	1060.00	1047.63	1.00	350.0	183450.1	151498.6	0.0	31951.5

```
TT =    5.0250          DTH =  0.0750          ITERR =    1
QU(1) =  180655.83     YU(1) =    1085.66  QU(N) =   95528.21  YU(N) =      818.44
FRDM=     0.75  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.025  180655.8   1085.66   1060.00   1047.53      1.00     350.0  180655.8  150001.3       0.0   30654.6

TT =    5.1000          DTH =  0.0750          ITERR =    1
QU(1) =  177786.23     YU(1) =    1085.49  QU(N) =  114031.43  YU(N) =      818.81
FRDM=     0.75  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.100  177786.2   1085.49   1060.00   1047.42      1.00     350.0  177786.2  148456.0       0.0   29330.3

TT =    5.1750          DTH =  0.0750          ITERR =    1
QU(1) =  174750.48     YU(1) =    1085.31  QU(N) =  132784.84  YU(N) =      819.16
FRDM=     0.75  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.175  174750.5   1085.31   1060.00   1047.30      1.00     350.0  174750.5  146813.0       0.0   27937.5

TT =    5.2500          DTH =  0.0750          ITERR =    1
QU(1) =  171559.77     YU(1) =    1085.12  QU(N) =  150697.94  YU(N) =      819.47
FRDM=     0.75  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.250  171559.8   1085.12   1060.00   1047.18      1.00     350.0  171559.8  145075.5       0.0   26484.2
```

```
TT =    5.3250          DTH =  0.0750          ITERR =    1
QU(1) =  168223.56     YU(1) =    1084.91  QU(N) =  168642.02  YU(N) =     819.72
FRDM=    0.75  IIFR=    5  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.325	168223.6	1084.91	1060.00	1047.05	1.00	350.0	168223.6	143247.7	0.0	24975.9

```
TT =    5.4000          DTH =  0.0750          ITERR =    1
QU(1) =  164751.91     YU(1) =    1084.70  QU(N) =  179647.81  YU(N) =     819.93
FRDM=    0.75  IIFR=    5  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.400	164751.9	1084.70	1060.00	1046.91	1.00	350.0	164751.9	141332.5	0.0	23419.4

```
TT =    5.4750          DTH =  0.0750          ITERR =    1
QU(1) =  161155.09     YU(1) =    1084.47  QU(N) =  189707.77  YU(N) =     820.06
FRDM=    0.75  IIFR=    5  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.475	161155.1	1084.47	1060.00	1046.76	1.00	350.0	161155.1	139332.3	0.0	21822.8

```
TT =    5.5500          DTH =  0.0750          ITERR =    1
QU(1) =  157448.48     YU(1) =    1084.24  QU(N) =  196512.80  YU(N) =     820.14
FRDM=    0.75  IIFR=    5  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.550	157448.5	1084.24	1060.00	1046.61	1.00	350.0	157448.5	137254.0	0.0	20194.5

```
TT =    5.6250          DTH =  0.0750          ITERR =    1
QU(1) =  153652.91      YU(1) =    1083.99  QU(N) =  200005.91  YU(N) =     820.18
FRDM=    0.75  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.625  153652.9   1083.99   1060.00   1046.45      1.00     350.0  153652.9  135105.7       0.0   18547.2


TT =    5.7000          DTH =  0.0750          ITERR =    1
QU(1) =  149774.47      YU(1) =    1083.74  QU(N) =  201127.95  YU(N) =     820.20
FRDM=    0.74  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.700  149774.5   1083.74   1060.00   1046.29      1.00     350.0  149774.5  132887.8       0.0   16886.6


TT =    5.7750          DTH =  0.0750          ITERR =    1
QU(1) =  145818.69      YU(1) =    1083.47  QU(N) =  200642.25  YU(N) =     820.20
FRDM=    0.74  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.775  145818.7   1083.47   1060.00   1046.12      1.00     350.0  145818.7  130600.4       0.0   15218.3


TT =    5.8500          DTH =  0.0750          ITERR =    1
QU(1) =  141789.55      YU(1) =    1083.20  QU(N) =  199129.56  YU(N) =     820.18
FRDM=    0.74  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(I)    QBRECH    QOVTOP     QOTHR
1    1    5.850  141789.5   1083.20   1060.00   1045.95      1.00     350.0  141789.5  120240.7       0.0   13548.9
```

TT = 5.9257 DTH = 0.0758 ITERR = 1
QU(1) = 137654.73 YU(1) = 1082.91 QU(N) = 196966.17 YU(N) = 820.16
FRDM= 0.74 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.926	137654.7	1082.91	1060.00	1045.76	1.00	350.0	137654.7	125784.8	0.0	11869.9

TT = 6.0023 DTH = 0.0765 ITERR = 1
QU(1) = 133422.14 YU(1) = 1082.61 QU(N) = 194425.27 YU(N) = 820.13
FRDM= 0.74 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.002	133422.1	1082.61	1060.00	1045.57	1.00	350.0	133422.1	123231.0	0.0	10191.2

TT = 6.0795 DTH = 0.0773 ITERR = 1
QU(1) = 129158.99 YU(1) = 1082.30 QU(N) = 191757.11 YU(N) = 820.10
FRDM= 0.74 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.080	129159.0	1082.30	1060.00	1045.38	1.00	350.0	129159.0	120611.1	0.0	8547.9

TT = 6.1576 DTH = 0.0780 ITERR = 1
QU(1) = 124929.72 YU(1) = 1081.98 QU(N) = 188920.69 YU(N) = 820.07
FRDM= 0.74 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.158	124929.7	1081.98	1060.00	1045.18	1.00	350.0	124929.7	117957.8	0.0	6971.9

```
TT =    6.2364          DTH =  0.0788          ITERR =   1
QU(1) =  120740.47     YU(1) =     1081.66  QU(N) =  186026.92  YU(N) =     820.04
FRDM=    0.74  IIFR=    5  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.236	120740.5	1081.66	1060.00	1044.98	1.00	350.0	120740.5	115266.2	0.0	5474.3

```
TT =    6.3160          DTH =  0.0796          ITERR =   1
QU(1) =  116600.49     YU(1) =     1081.32  QU(N) =  183079.66  YU(N) =     820.01
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.316	116600.5	1081.32	1060.00	1044.78	1.00	350.0	116600.5	112530.7	0.0	4069.8

```
TT =    6.3964          DTH =  0.0804          ITERR =   1
QU(1) =  112521.32     YU(1) =     1080.98  QU(N) =  180179.22  YU(N) =     819.98
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.396	112521.3	1080.98	1060.00	1044.58	1.00	350.0	112521.3	109743.3	0.0	2778.0

```
TT =    6.4776          DTH =  0.0812          ITERR =   1
QU(1) =  108527.42     YU(1) =     1080.63  QU(N) =  177185.91  YU(N) =     819.94
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.478	108527.4	1080.63	1060.00	1044.38	1.00	350.0	108527.4	106897.3	0.0	1630.1

```
TT =    6.5597          DTH =  0.0820          ITERR =    1
QU(1) =  104689.56     YU(1) =    1080.26  QU(N) =  174052.03  YU(N) =     819.89
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    6.560  104689.6   1080.26   1060.00   1044.18      1.00     350.0  104689.6  104003.5       0.0     686.1

TT =    6.6425          DTH =  0.0828          ITERR =    1
QU(1) =  101140.77     YU(1) =    1079.89  QU(N) =  170810.61  YU(N) =     819.84
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    6.643  101140.8   1079.89   1060.00   1044.00      1.00     350.0  101140.8  101078.5       0.0      62.2

TT =    6.7262          DTH =  0.0837          ITERR =    1
QU(1) =   98111.23     YU(1) =    1079.51  QU(N) =  167443.50  YU(N) =     819.79
FRDM=    0.73  IIFR=    5  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    6.726   98111.2   1079.51   1060.00   1043.83      1.00     350.0   98111.2   98111.2       0.0       0.0

TT =    6.8107          DTH =  0.0845          ITERR =    1
QU(1) =   95076.90     YU(1) =    1079.12  QU(N) =  163957.03  YU(N) =     819.74
FRDM=    0.72  IIFR=    5  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    6.811   95076.9   1079.12   1060.00   1043.37      1.00     350.0   95076.9   95076.9       0.0       0.0
```

```
TT =    6.8961          DTH =  0.0654          ITERR =    1
QU(1) =    91970.09     YU(1) =    1078.71  QU(N) =  160356.52  YU(N) =     819.68
FRDM=     0.72  IIFR=     5  FRM=0.10 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    1    6.896   91970.1   1078.71   1060.00   1043.50      1.00     350.0   91970.1  91970.1      0.0      0.0

TT =    6.9823          DTH =  0.0862          ITERR =    1
QU(1) =    88784.67     YU(1) =    1078.28  QU(N) =  156655.50  YU(N) =     819.62
FRDM=     0.72  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    1    6.982   88784.7   1078.28   1060.00   1043.32      1.00     350.0   88784.7  88784.7      0.0      0.0

TT =    7.0693          DTH =  0.0871          ITERR =    1
QU(1) =    85531.38     YU(1) =    1077.84  QU(N) =  152861.52  YU(N) =     819.56
FRDM=     0.72  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    1    7.069   85531.4   1077.84   1060.00   1043.13      1.00     350.0   85531.4  85531.4      0.0      0.0

TT =    7.1573          DTH =  0.0879          ITERR =    1
QU(1) =    82224.57     YU(1) =    1077.39  QU(N) =  148991.94  YU(N) =     819.50
FRDM=     0.72  IIFR=     5  FRM=0.11 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    1    7.157   82224.6   1077.39   1060.00   1042.94      1.00     350.0   82224.6  82224.6      0.0      0.0
```

```
TT =    7.2461          DTH =  0.0880          ITERR =    1
QU(1) =    78862.66     YU(1) =     1076.92  QU(N) =  145082.61  YU(N) =     819.44
FRDM=     0.71  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
I    1     7.246   78862.7   1076.92   1060.00   1042.74      1.00     350.0   78862.7   78862.7      0.0      0.0

TT =    7.3358          DTH =  0.0897          ITERR =    1
QU(1) =    75437.28     YU(1) =     1076.44  QU(N) =  141145.20  YU(N) =     819.37
FRDM=     0.71  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
I    1     7.336   75437.3   1076.44   1060.00   1042.53      1.00     350.0   75437.3   75437.3      0.0      0.0

TT =    7.4264          DTH =  0.0906          ITERR =    1
QU(1) =    71940.70     YU(1) =     1075.94  QU(N) =  137167.94  YU(N) =     819.30
FRDM=     0.71  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
I    1     7.426   71940.7   1075.94   1060.00   1042.31      1.00     350.0   71940.7   71940.7      0.0      0.0

TT =    7.5179          DTH =  0.0915          ITERR =    1
QU(1) =    68392.16     YU(1) =     1075.42  QU(N) =  133132.13  YU(N) =     819.23
FRDM=     0.71  IIFR=    5  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
I    1     7.518   68392.2   1075.42   1060.00   1042.08      1.00     350.0   68392.2   68392.2      0.0      0.0
```

TT = 7.6104 DTH = 0.0724 ITERR = 1
QU(1) = 64830.16 YU(1) = 1074.89 QU(N) = 129640.32 YU(N) = 819.16
FRDM= 0.70 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	7.610	64830.2	1074.89	1060.00	1041.85	1.00	350.0	64830.2	64830.2	0.0	0.0

TT = 7.7037 DTH = 0.0934 ITERR = 1
QU(1) = 61270.13 YU(1) = 1074.35 QU(N) = 124857.65 YU(N) = 819.08
FRDM= 0.70 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	7.704	61270.1	1074.35	1060.00	1041.60	1.00	350.0	61270.1	61270.1	0.0	0.0

TT = 7.7980 DTH = 0.0943 ITERR = 1
QU(1) = 57705.14 YU(1) = 1073.79 QU(N) = 120616.18 YU(N) = 819.00
FRDM= 0.70 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	7.798	57705.1	1073.79	1060.00	1041.35	1.00	350.0	57705.1	57705.1	0.0	0.0

TT = 7.8932 DTH = 0.0952 ITERR = 1
QU(1) = 54126.46 YU(1) = 1073.23 QU(N) = 116380.30 YU(N) = 818.92
FRDM= 0.70 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	7.893	54126.5	1073.23	[illegible]	[illegible]	1.00	350.0	54126.5	54126.5	0.0	0.0

TT = 7.9894 DTH = [illegible] ITERR = [illegible]
QU(1) = 50522.63 YU(1) = [illegible] QU(N) = [illegible] YU(N) = 818.84
FRDM= 0.69 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	7.989	50522.6	1072.64	1060.00	1040.80	1.00	350.0	50522.6	50522.6	0.0	0.0

TT = 8.0866 DTH = 0.0971 ITERR = 1
QU(1) = 46878.60 YU(1) = 1072.04 QU(N) = 108285.97 YU(N) = 818.76
FRDM= 0.69 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.087	46878.6	1072.04	1060.00	1040.51	1.00	350.0	46878.6	46878.6	0.0	0.0

TT = 8.1847 DTH = 0.0981 ITERR = 1
QU(1) = 43169.86 YU(1) = 1071.40 QU(N) = 104487.55 YU(N) = 818.69
FRDM= 0.68 IIFR= 5 FRM=0.11 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.185	43169.9	1071.40	1060.00	1040.20	1.00	350.0	43169.9	43169.9	0.0	0.0

TT = 8.2838 DTH = 0.0991 ITERR = 1
QU(1) = 39359.03 YU(1) = 1070.73 QU(N) = 100862.21 YU(N) = 818.61
FRDM= 0.68 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.284	39359.0	[illegible]	[illegible]	[illegible]	[illegible]	350.0	39359.0	39359.0	0.0	0.0

TT = 8.3839 DTH = 0.1001 ITERR = 1
QU(1) = 35382.80 YU(1) = 1070.01 GU(N) = 97399.13 YU(N) = 818.54
FRDM= 0.68 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QDVTOP	QDTHR
1	1	8.384	35382.8	1070.01	1060.00	1039.49	1.00	350.0	35382.8	35382.8	0.0	0.0

TT = 8.4850 DTH = 0.1011 ITERR = 1
QU(1) = 31110.26 YU(1) = 1069.20 GU(N) = 94109.10 YU(N) = 818.47
FRDM= 0.67 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QDVTOP	QDTHR
1	1	8.485	31110.3	1069.20	1060.00	1039.05	1.00	350.0	31110.3	31110.3	0.0	0.0

TT = 8.5871 DTH = 0.1021 ITERR = 1
QU(1) = 26258.00 YU(1) = 1068.22 GU(N) = 90956.20 YU(N) = 818.40
FRDM= 0.66 IIFR= 5 FRM=0.10 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QDVTOP	QDTHR
1	1	8.587	26258.0	1068.22	1060.00	1038.50	1.00	350.0	26258.0	26258.0	0.0	0.0

TT = 8.6902 DTH = 0.1031 ITERR = 1
QU(1) = 21105.04 YU(1) = 1067.12 GU(N) = 87854.06 YU(N) = 818.33
FRDM= 0.65 IIFR= 5 FRM=0.09 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QDVTOP	QDTHR
1	1	8.690	21105.0	1067.12	1060.00	1037.95	1.00	350.0	21105.0	21105.0	0.0	0.0

TT = 8.7943 DTH = 0.1041 ITERR = 1
QU(1) = 16782.98 YU(1) = 1065.12 QU(N) = 84715.13 YU(N) = 818.26
FRDM= 0.64 IIFR= 5 FRM=0.08 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	8.794	16783.0	1066.12	1060.00	1037.21	1.00	350.0	16783.0	16783.0	0.0	0.0

TT = 8.8995 DTH = 0.1052 ITERR = 1
QU(1) = 13471.14 YU(1) = 1065.30 QU(N) = 81530.89 YU(N) = 818.18
FRDM= 0.63 IIFR= 5 FRM=0.08 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	8.900	13471.1	1065.30	1060.00	1036.65	1.00	350.0	13471.1	13471.1	0.0	0.0

TT = 9.0058 DTH = 0.1062 ITERR = 1
QU(1) = 10974.22 YU(1) = 1064.63 QU(N) = 78513.52 YU(N) = 818.10
FRDM= 0.63 IIFR= 17 FRM=0.07 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	9.006	10974.2	1064.63	1060.00	1036.17	1.00	350.0	10974.2	10974.2	0.0	0.0

TT = 9.1131 DTH = 0.1073 ITERR = 1
QU(1) = 9108.75 YU(1) = 1064.09 QU(N) = 75067.50 YU(N) = 818.02
FRDM= 0.65 IIFR= 17 FRM=0.06 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	9.113	9108.7	1064.09	1060.00	1035.77	1.00	350.0	9108.7	9108.7	0.0	0.0

TT = 9.2215 DTH = 0.1064 ITERR = 1
QU(1) = 7710.37 YU(1) = 1063.66 QU(N) = 71067.59 YU(N) = 817.94
FRDM= 0.67 IIFR= 17 FRM=0.06 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	9.221	7710.4	1063.66	1060.00	1035.43	1.00	350.0	7710.4	7710.4	0.0	0.0

TT = 9.3309 DTH = 0.1095 ITERR = 1
QU(1) = 6641.29 YU(1) = 1063.32 QU(N) = 68545.13 YU(N) = 817.86
FRDM= 0.68 IIFR= 17 FRM=0.05 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	9.331	6641.3	1063.32	1060.00	1035.14	1.00	350.0	6641.3	6641.3	0.0	0.0

TT = 9.4415 DTH = 0.1106 ITERR = 1
QU(1) = 5792.42 YU(1) = 1063.03 QU(N) = 65350.02 YU(N) = 817.77
FRDM= 0.68 IIFR= 17 FRM=0.05 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(I)	QBRECH	QOVTOP	QOTHR
1	1	9.441	5792.4	1063.03	1060.00	1034.89	1.00	350.0	5792.4	5792.4	0.0	0.0

ROUTING COMPLETED

KTIME= 95 ALLOWABLE KTIME= 699 TT= 9.6

PROFILE OF CRESTS AND TIMES FOR STN 892+000VERTOP
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.000	1088.88	220076	3.600	2.56	0.00	0.00
0.568	1048.89	220076	4.200	11.62	0.00	0.00
0.694	1043.44	217387	4.275	10.96	0.00	0.00
0.821	1038.21	218027	4.275	10.66	0.00	0.00
0.947	1032.01	218208	4.275	12.11	0.00	0.00
0.976	1030.29	218160	4.275	11.77	0.00	0.00
1.005	1028.55	218081	4.275	11.43	0.00	0.00
1.034	1026.78	217968	4.275	11.09	0.00	0.00
1.064	1024.97	217823	4.275	10.76	0.00	0.00
1.093	1023.14	217642	4.275	10.44	0.00	0.00
1.122	1021.28	217427	4.275	10.13	0.00	0.00
1.151	1019.39	217174	4.275	9.82	0.00	0.00
1.180	1017.50	216879	4.275	9.50	0.00	0.00
1.209	1015.64	216528	4.350	9.09	0.00	0.00
1.239	1013.94	216085	4.350	8.43	0.00	0.00
1.268	1012.60	215987	4.350	7.24	0.00	0.00
1.297	1011.78	215903	4.350	5.62	0.00	0.00
1.326	1011.38	215671	4.350	4.11	0.00	0.00
1.364	1011.02	215221	4.425	4.13	0.00	0.00
1.402	1010.66	214638	4.425	4.17	0.00	0.00
1.440	1010.27	213916	4.425	4.24	0.00	0.00
1.477	1009.86	213060	4.425	4.32	0.00	0.00
1.515	1009.43	212096	4.425	4.43	0.00	0.00
1.553	1008.97	211643	4.425	4.56	0.00	0.00
1.591	1008.47	211491	4.425	4.79	0.00	0.00
1.629	1007.94	211268	4.425	5.24	0.00	0.00
1.667	1007.33	210982	4.425	5.70	0.00	0.00
1.704	1006.65	210645	4.500	6.29	0.00	0.00
1.742	1005.84	210267	4.500	7.04	0.00	0.00
1.780	1004.80	210030	4.500	8.10	0.00	0.00
1.818	1003.31	210115	4.500	9.79	0.00	0.00
1.851	1001.69	210160	4.500	9.61	0.00	0.00
1.885	1000.08	210181	4.500	9.42	0.00	0.00
1.918	998.47	210179	4.500	9.24	0.00	0.00
1.951	996.87	210157	4.500	9.10	0.00	0.00
1.985	995.27	210113	4.500	9.06	0.00	0.00
2.018	993.69	210049	4.500	9.10	0.00	0.00
2.052	992.10	209964	4.500	9.13	0.00	0.00
2.085	990.53	209859	4.500	9.16	0.00	0.00
2.118	988.96	209736	4.500	9.19	0.00	0.00
2.152	987.40	209595	4.575	9.21	0.00	0.00
2.185	985.[illegible]	209[illegible]	4.[illegible]	[illegible]	0.00	0.00
2.218	984.[illegible]	[illegible]	4.[illegible]	[illegible]	[illegible]	[illegible]
2.252	982.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.285	981.32	209631	4.[illegible]	9.24	0.00	0.00
2.318	979.68	209664	4.575	9.24	0.00	0.00
2.352	978.[illegible]	209[illegible]	4.[illegible]	[illegible]	[illegible]	0.00

2.385	976.63	209703	4.579	9.247	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 892+000VERTOP
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
2.418	975.11	209704	4.575	9.22	0.00	0.00
2.452	973.61	209692	4.575	9.20	0.00	0.00
2.485	972.13	209666	4.575	9.15	0.00	0.00
2.519	970.68	209624	4.575	9.06	0.00	0.00
2.552	969.29	209562	4.575	8.88	0.00	0.00
2.585	968.02	209477	4.575	8.57	0.00	0.00
2.619	966.92	209368	4.650	8.07	0.00	0.00
2.652	966.04	209235	4.650	7.42	0.00	0.00
2.675	965.50	209131	4.650	7.40	0.00	0.00
2.698	964.96	209018	4.650	7.38	0.00	0.00
2.721	964.42	208942	4.650	7.37	0.00	0.00
2.744	963.88	208972	4.650	7.35	0.00	0.00
2.767	963.34	208998	4.650	7.34	0.00	0.00
2.790	962.80	209017	4.650	7.32	0.00	0.00
2.813	962.26	209030	4.650	7.31	0.00	0.00
2.836	961.72	209037	4.650	7.29	0.00	0.00
2.859	961.18	209038	4.650	7.28	0.00	0.00
2.882	960.64	209033	4.650	7.26	0.00	0.00
2.905	960.10	209020	4.650	7.25	0.00	0.00
2.928	959.56	209001	4.650	7.23	0.00	0.00
2.951	959.02	208975	4.650	7.22	0.00	0.00
2.974	958.48	208941	4.650	7.21	0.00	0.00
2.997	957.94	208900	4.650	7.19	0.00	0.00
3.020	957.40	208851	4.650	7.18	0.00	0.00
3.043	956.86	208794	4.650	7.17	0.00	0.00
3.066	956.32	208730	4.650	7.16	0.00	0.00
3.089	955.78	208658	4.650	7.15	0.00	0.00
3.112	955.24	208577	4.725	7.13	0.00	0.00
3.135	954.71	208487	4.725	7.12	0.00	0.00
3.158	954.17	208389	4.725	7.11	0.00	0.00
3.181	953.63	208281	4.725	7.10	0.00	0.00
3.204	953.09	208246	4.725	7.10	0.00	0.00
3.227	952.55	208272	4.725	7.09	0.00	0.00
3.522	945.82	207998	4.725	6.81	0.00	0.00
3.818	938.30	207675	4.800	7.32	0.00	0.00
4.065	930.55	207288	4.875	7.81	0.00	0.00
4.312	924.62	206966	4.875	6.40	0.00	0.00
4.736	916.57	206088	4.950	6.36	0.00	0.00
5.292	902.78	205458	5.025	7.62	0.00	0.00
5.481	896.89	205116	5.100	7.36	0.00	0.00
5.671	890.67	205153	5.100	7.49	0.00	0.00
5.860	886.35	204733	[illegible]	5.55	0.00	0.00
5.898	885.75	204574	[illegible]	[illegible]	0.00	0.00
5.936	885.16	204490	[illegible]	[illegible]	0.00	0.00
5.974	884.57	204492	5.175	5.37	0.00	0.00
6.012	883.99	204476	5.175	5.32	0.00	0.00
6.050	883.41	204442	5.175	5.23	0.00	0.00

6.088	882.84	204388	5.170	5.24	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 892+00OVERTOP
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
6.125	882.26	204314	5.175	5.21	0.00	0.00
6.163	881.67	204219	5.250	5.19	0.00	0.00
6.201	881.07	204100	5.250	5.21	0.00	0.00
6.239	880.44	203954	5.250	5.26	0.00	0.00
6.277	879.77	203823	5.250	5.37	0.00	0.00
6.315	879.05	203845	5.250	5.52	0.00	0.00
6.353	878.29	203851	5.250	5.72	0.00	0.00
6.391	877.46	203840	5.250	6.00	0.00	0.00
6.428	876.50	203814	5.250	6.43	0.00	0.00
6.618	871.40	203416	5.325	6.27	0.00	0.00
6.807	865.97	203423	5.325	6.46	0.00	0.00
6.997	861.42	202969	5.400	5.57	0.00	0.00
7.565	848.72	202249	5.475	6.33	0.00	0.00
7.707	844.86	202066	5.475	6.08	0.00	0.00
7.849	840.88	201956	5.550	5.90	0.00	0.00
7.991	836.81	201957	5.550	5.82	0.00	0.00
8.133	833.28	201700	5.625	5.07	0.00	0.00
8.204	831.75	201578	5.625	5.01	0.00	0.00
8.275	830.19	201583	5.625	4.93	0.00	0.00
8.346	828.61	201514	5.625	4.83	0.00	0.00
8.417	827.00	201361	5.625	4.74	0.00	0.00
8.488	825.36	201154	5.700	4.64	0.00	0.00
8.559	823.68	201203	5.700	4.55	0.00	0.00
8.630	821.95	201196	5.700	4.49	0.00	0.00
8.701	820.20	201127	5.700	4.44	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#1 MCFCD

ON

STN. 792+00PIPING

ANALYSIS BY

DAMES & MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
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SILVER SPRING, MARYLAND 20910

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***  SUMMARY OF INPUT DATA  ***
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INPUT CONTROL PARAMETERS FOR FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	17
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#1 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
2060.0	1090.00
1950.0	1088.00
1760.0	1086.00
1580.0	1084.00

1145.0	1079.80
760.0	1076.00
120.0	1068.00
0.1	1060.00

DAM NUMBER I

FRS#1 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1079.80
SIDE SLOPE OF BREACH		Z	0.50
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1060.00
WIDTH OF BASE OF BREACH	FEET	BB	150.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1079.80
ELEVATION OF TOP OF DAM	FEET	HD	1089.50
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1079.80
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	2160.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	-1063.00
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 8.7500 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#1 MCFCD
****

287.00	2797.00	9367.00	13989.00	15180.00	15347.00	16054.00	17046.00
19693.00	21180.00	16936.00	11460.00	8251.00	6530.00	5445.00	4678.00
3845.00							

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	2.0000	2.5000	3.0000	3.5000	4.0000
4.5000	5.0000	5.5000	6.0000	6.5000	7.0000	7.5000	8.0000
8.7500							

CROSS-SECTIONAL PARAMETERS FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	12
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO. OF POINTS IN GATE CONTROL CURVE	KCQ	0

CROSS-SECTIONAL VARIABLES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.021 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.032 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.029 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.024 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.076 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 10 DXM WAS CHANGED TO 0.005 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.058 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 2 DXM WAS CHANGED TO 0.078 DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.082 DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.073 DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000 0.078 0.082 0.021 0.032 0.029 0.073 0.024 0.076 0.005 0.058

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTQ(I) = 0.00

HS ...	1050.0	1052.0	1060.0	1062.0	1070.0	1089.5
BS ...	0.0	30.0	1500.0	2000.0	2800.0	3200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTQ(I) = 0.00

HS ...	1045.0	1045.5	1050.0	1055.0	1057.5	1060.0
BS ...	0.0	30.0	4100.0	5000.0	5650.0	6300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTQ(I) = 0.00

HS ...	1038.0	1038.5	1040.0	1045.0	1050.0	1060.0
BS ...	0.0	30.0	5000.0	6600.0	8000.0	11400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTQ(I) = 0.00

HS ...	1028.0	1028.5	1030.0	1040.0	1050.0	1060.0
BS ...	0.0	30.0	6400.0	10600.0	12300.0	15200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.515 FSTQ(I) = 0.00

HS ...	1009.0	1010.0	1020.0	1030.0	1040.0	1050.0
BS ...	0.0	100.0	9300.0	13700.0	15800.0	18200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.894 FSTQ(I) = 0.00

HS ...	999.0	999.5	1010.0	1020.0	1030.0	1050.0
BS ...	0.0	30.0	12900.0	21900.0	23900.0	27300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.273 FSTQ(I) = 0.00

HS ...	988.0	988.5	990.0	1000.0	1005.0	1010.0
BS ...	0.0	30.0	12800.0	20900.0	23000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.652 FSTQ(I) = 0.00

HS ...	978.0	978.5	980.0	990.0	995.0	1000.0
BS ...	0.0	30.0	10000.0	16650.0	18400.0	20150.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 3.030 FSTQ(I) = 0.00

HS ...	958.0	958.5	960.0	965.0	967.5	970.0
BS ...	0.0	30.0	1100.0	6400.0	9050.0	11700.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 3.409 FSTQ(I) = 0.00

HS ...	938.0	938.5	940.0	945.0	947.5	950.0
BS ...	0.0	30.0	3600.0	8850.0	11475.0	14100.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 3.788 FSTQ(I) = 0.00

HS ...	929.0	929.5	930.0	940.0	945.0	950.0
BS ...	0.0	30.0	200.0	7100.0	10900.0	14700.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 4.545 FSTQ(I) = 0.00

HS ...	898.0	898.5	900.0	905.0	907.5	910.0
BS ...	0.0	30.0	600.0	5450.0	7875.0	10300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) = 175 (MAXIMUM ALLOWABLE = 200

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***  SUMMARY OF OUTPUT DATA ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1050.00				
2	0.38	1045.00	1	0.38	13.19	
3	0.76	1038.00	2	0.38	18.47	
4	1.14	1028.00	3	0.38	26.46	
5	1.51	1009.00	4	0.38	50.13	
6	1.89	999.00	5	0.38	26.39	
7	2.27	988.00	6	0.38	29.02	
8	2.65	978.00	7	0.38	26.39	
9	3.03	958.00	8	0.38	52.91	
10	3.41	938.00	9	0.38	52.77	
11	3.79	929.00	10	0.38	23.75	
12	4.55	898.00	11	0.76	40.95	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1053.44	DEPN=	3.44	YC=	1052.79	DEPC=	2.79	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.379	YN=	1046.37	DEPN=	1.37	YC=	1046.05	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	3	X=	0.474	YN=	1044.60	DEPN=	1.35	YC=	1044.26	DEPC=	1.01	IFR=	0	ITN=	10	ITC=	10
I=	4	X=	0.569	YN=	1042.77	DEPN=	1.27	YC=	1042.45	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	5	X=	0.663	YN=	1040.93	DEPN=	1.18	YC=	1040.65	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	6	X=	0.758	YN=	1039.05	DEPN=	1.05	YC=	1038.84	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.853	YN=	1036.53	DEPN=	1.03	YC=	1036.33	DEPC=	0.83	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.947	YN=	1034.02	DEPN=	1.02	YC=	1033.82	DEPC=	0.82	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	1.042	YN=	1031.52	DEPN=	1.02	YC=	1031.31	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	1.136	YN=	1028.93	DEPN=	0.93	YC=	1028.80	DEPC=	0.80	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	1.157	YN=	1027.95	DEPN=	1.01	YC=	1027.81	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	1.178	YN=	1026.96	DEPN=	1.07	YC=	1026.80	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	1.199	YN=	1025.95	DEPN=	1.12	YC=	1025.79	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	1.220	YN=	1024.95	DEPN=	1.17	YC=	1024.78	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	1.241	YN=	1023.93	DEPN=	1.20	YC=	1023.76	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	16	X=	1.262	YN=	1022.92	DEPN=	1.26	YC=	1022.73	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	17	X=	1.283	YN=	1021.90	DEPN=	1.29	YC=	1021.71	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	1.304	YN=	1020.88	DEPN=	1.33	YC=	1020.69	DEPC=	1.13	IFR=	0	ITN=	11	ITC=	11
I=	19	X=	1.326	YN=	1019.86	DEPN=	1.36	YC=	1019.67	DEPC=	1.17	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	1.347	YN=	1018.83	DEPN=	1.38	YC=	1018.65	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	1.368	YN=	1017.81	DEPN=	1.42	YC=	1017.61	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	1.389	YN=	1016.79	DEPN=	1.46	YC=	1016.59	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	1.410	YN=	1015.75	DEPN=	1.48	YC=	1015.55	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	1.431	YN=	1014.74	DEPN=	1.51	YC=	1014.51	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11

I=	25	X=	1.452	YN=	1013.70	DEPN=	1.53	YC=	1013.49	DEPC=	1.32	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	1.473	YN=	1012.66	DEPN=	1.55	YC=	1012.45	DEPC=	1.34	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	1.494	YN=	1011.63	DEPN=	1.57	YC=	1011.41	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	1.515	YN=	1010.72	DEPN=	1.72	YC=	1010.38	DEPC=	1.38	IFR=	0	ITN=	12	ITC=	12
I=	29	X=	1.547	YN=	1009.85	DEPN=	1.68	YC=	1009.51	DEPC=	1.34	IFR=	0	ITN=	12	ITC=	12
I=	30	X=	1.578	YN=	1008.97	DEPN=	1.64	YC=	1008.65	DEPC=	1.32	IFR=	0	ITN=	12	ITC=	12
I=	31	X=	1.610	YN=	1008.11	DEPN=	1.61	YC=	1007.79	DEPC=	1.29	IFR=	0	ITN=	12	ITC=	12
I=	32	X=	1.641	YN=	1007.24	DEPN=	1.57	YC=	1006.93	DEPC=	1.26	IFR=	0	ITN=	12	ITC=	12
I=	33	X=	1.673	YN=	1006.37	DEPN=	1.54	YC=	1006.06	DEPC=	1.23	IFR=	0	ITN=	12	ITC=	12
I=	34	X=	1.705	YN=	1005.50	DEPN=	1.50	YC=	1005.20	DEPC=	1.20	IFR=	0	ITN=	12	ITC=	12
I=	35	X=	1.736	YN=	1004.64	DEPN=	1.47	YC=	1004.33	DEPC=	1.16	IFR=	0	ITN=	12	ITC=	12
I=	36	X=	1.768	YN=	1003.76	DEPN=	1.43	YC=	1003.47	DEPC=	1.13	IFR=	0	ITN=	12	ITC=	12
I=	37	X=	1.799	YN=	1002.89	DEPN=	1.39	YC=	1002.60	DEPC=	1.10	IFR=	0	ITN=	12	ITC=	12
I=	38	X=	1.831	YN=	1002.01	DEPN=	1.34	YC=	1001.73	DEPC=	1.07	IFR=	0	ITN=	12	ITC=	12
I=	39	X=	1.862	YN=	1001.14	DEPN=	1.30	YC=	1000.86	DEPC=	1.02	IFR=	0	ITN=	12	ITC=	12
I=	40	X=	1.894	YN=	1000.25	DEPN=	1.25	YC=	999.99	DEPC=	0.99	IFR=	0	ITN=	12	ITC=	12
I=	41	X=	1.923	YN=	999.39	DEPN=	1.23	YC=	999.14	DEPC=	0.98	IFR=	0	ITN=	12	ITC=	12
I=	42	X=	1.952	YN=	998.53	DEPN=	1.22	YC=	998.28	DEPC=	0.97	IFR=	0	ITN=	12	ITC=	12
I=	43	X=	1.981	YN=	997.66	DEPN=	1.20	YC=	997.42	DEPC=	0.96	IFR=	0	ITN=	12	ITC=	12
I=	44	X=	2.011	YN=	996.79	DEPN=	1.18	YC=	996.56	DEPC=	0.94	IFR=	0	ITN=	12	ITC=	12
I=	45	X=	2.040	YN=	995.93	DEPN=	1.16	YC=	995.69	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	46	X=	2.069	YN=	995.05	DEPN=	1.13	YC=	994.83	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	47	X=	2.098	YN=	994.19	DEPN=	1.11	YC=	993.97	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	48	X=	2.127	YN=	993.31	DEPN=	1.08	YC=	993.10	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	49	X=	2.156	YN=	992.43	DEPN=	1.05	YC=	992.24	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	50	X=	2.186	YN=	991.55	DEPN=	1.02	YC=	991.37	DEPC=	0.83	IFR=	0	ITN=	11	ITC=	11
I=	51	X=	2.215	YN=	990.67	DEPN=	0.98	YC=	990.50	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	52	X=	2.244	YN=	989.78	DEPN=	0.93	YC=	989.62	DEPC=	0.78	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	2.273	YN=	988.89	DEPN=	0.89	YC=	988.74	DEPC=	0.74	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	2.349	YN=	986.89	DEPN=	0.89	YC=	986.74	DEPC=	0.74	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	2.425	YN=	984.90	DEPN=	0.90	YC=	984.75	DEPC=	0.75	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	2.500	YN=	982.91	DEPN=	0.91	YC=	982.75	DEPC=	0.75	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	2.576	YN=	980.92	DEPN=	0.92	YC=	980.76	DEPC=	0.76	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	2.652	YN=	978.86	DEPN=	0.86	YC=	978.76	DEPC=	0.76	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	2.676	YN=	977.62	DEPN=	0.87	YC=	977.52	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	2.699	YN=	976.39	DEPN=	0.89	YC=	976.28	DEPC=	0.78	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	2.723	YN=	975.14	DEPN=	0.89	YC=	975.03	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	62	X=	2.746	YN=	973.90	DEPN=	0.90	YC=	973.79	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	63	X=	2.770	YN=	972.66	DEPN=	0.91	YC=	972.55	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	64	X=	2.794	YN=	971.44	DEPN=	0.94	YC=	971.31	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	65	X=	2.817	YN=	970.19	DEPN=	0.94	YC=	970.07	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	66	X=	2.841	YN=	968.95	DEPN=	0.95	YC=	968.82	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	67	X=	2.865	YN=	967.73	DEPN=	0.98	YC=	967.59	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	68	X=	2.888	YN=	966.49	DEPN=	0.99	YC=	966.35	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	69	X=	2.912	YN=	965.28	DEPN=	1.03	YC=	965.13	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	70	X=	2.935	YN=	964.06	DEPN=	1.05	YC=	963.90	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	71	X=	2.959	YN=	962.84	DEPN=	1.09	YC=	962.68	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	72	X=	2.983	YN=	961.65	DEPN=	1.15	YC=	961.46	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	73	X=	3.006	YN=	960.46	DEPN=	1.21	YC=	960.27	DEPC=	1.02	IFR=	0	ITN=	10	ITC=	10
I=	74	X=	3.030	YN=	959.34	DEPN=	1.34	YC=	959.10	DEPC=	1.10	IFR=	0	ITN=	10	ITC=	10
I=	75	X=	3.106	YN=	955.22	DEPN=	1.22	YC=	955.03	DEPC=	1.03	IFR=	0	ITN=	10	ITC=	10
I=	76	X=	3.182	YN=	951.15	DEPN=	1.15	YC=	950.97	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	77	X=	3.257	YN=	947.11	DEPN=	1.11	YC=	946.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	78	X=	3.333	YN=	943.07	DEPN=	1.07	YC=	942.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	79	X=	3.409	YN=	939.10	DEPN=	1.10	YC=	938.88	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	80	X=	3.414	YN=	939.02	DEPN=	1.13	YC=	938.77	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	81	X=	3.418	YN=	938.91	DEPN=	1.13	YC=	938.67	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	82	X=	3.423	YN=	938.81	DEPN=	1.14	YC=	938.56	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	83	X=	3.427	YN=	938.70	DEPN=	1.14	YC=	938.45	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	84	X=	3.432	YN=	938.59	DEPN=	1.13	YC=	938.35	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10

I=	85	X=	3.436	YN=	938.48	DEPN=	1.13	YC=	938.23	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	3.441	YN=	938.38	DEPN=	1.14	YC=	938.13	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	3.446	YN=	938.27	DEPN=	1.14	YC=	938.02	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	3.450	YN=	938.16	DEPN=	1.13	YC=	937.92	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	3.455	YN=	938.06	DEPN=	1.14	YC=	937.80	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	3.459	YN=	937.95	DEPN=	1.14	YC=	937.70	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	3.464	YN=	937.84	DEPN=	1.14	YC=	937.59	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	3.468	YN=	937.74	DEPN=	1.15	YC=	937.49	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	3.473	YN=	937.62	DEPN=	1.14	YC=	937.37	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	3.477	YN=	937.52	DEPN=	1.15	YC=	937.27	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	3.482	YN=	937.41	DEPN=	1.15	YC=	937.16	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	3.487	YN=	937.30	DEPN=	1.14	YC=	937.06	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	3.491	YN=	937.20	DEPN=	1.15	YC=	936.94	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	3.496	YN=	937.09	DEPN=	1.15	YC=	936.84	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	3.500	YN=	936.99	DEPN=	1.16	YC=	936.72	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	3.505	YN=	936.87	DEPN=	1.15	YC=	936.62	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	3.509	YN=	936.77	DEPN=	1.16	YC=	936.51	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	3.514	YN=	936.66	DEPN=	1.15	YC=	936.40	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	3.519	YN=	936.56	DEPN=	1.16	YC=	936.30	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	3.523	YN=	936.45	DEPN=	1.16	YC=	936.19	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	3.528	YN=	936.35	DEPN=	1.17	YC=	936.09	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	3.532	YN=	936.23	DEPN=	1.16	YC=	935.97	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	3.537	YN=	936.13	DEPN=	1.17	YC=	935.87	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	3.541	YN=	936.02	DEPN=	1.16	YC=	935.77	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	3.546	YN=	935.92	DEPN=	1.17	YC=	935.65	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	3.551	YN=	935.80	DEPN=	1.16	YC=	935.55	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	3.555	YN=	935.70	DEPN=	1.17	YC=	935.44	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	3.560	YN=	935.60	DEPN=	1.18	YC=	935.33	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	3.564	YN=	935.49	DEPN=	1.17	YC=	935.22	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	3.569	YN=	935.39	DEPN=	1.18	YC=	935.12	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	3.573	YN=	935.27	DEPN=	1.17	YC=	935.01	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	3.578	YN=	935.17	DEPN=	1.18	YC=	934.90	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	3.583	YN=	935.07	DEPN=	1.19	YC=	934.80	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	3.587	YN=	934.95	DEPN=	1.18	YC=	934.68	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	3.592	YN=	934.85	DEPN=	1.19	YC=	934.58	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	3.596	YN=	934.75	DEPN=	1.20	YC=	934.48	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	3.601	YN=	934.63	DEPN=	1.19	YC=	934.36	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	3.605	YN=	934.53	DEPN=	1.20	YC=	934.26	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	3.610	YN=	934.43	DEPN=	1.20	YC=	934.15	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	3.614	YN=	934.33	DEPN=	1.21	YC=	934.05	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	3.619	YN=	934.21	DEPN=	1.20	YC=	933.93	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	3.624	YN=	934.11	DEPN=	1.21	YC=	933.83	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	3.628	YN=	934.01	DEPN=	1.22	YC=	933.73	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	3.633	YN=	933.91	DEPN=	1.23	YC=	933.63	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	3.637	YN=	933.79	DEPN=	1.22	YC=	933.51	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	3.642	YN=	933.69	DEPN=	1.22	YC=	933.40	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	131	X=	3.646	YN=	933.59	DEPN=	1.23	YC=	933.30	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	3.651	YN=	933.49	DEPN=	1.24	YC=	933.20	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	3.656	YN=	933.39	DEPN=	1.25	YC=	933.10	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	3.660	YN=	933.27	DEPN=	1.24	YC=	932.99	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	3.665	YN=	933.17	DEPN=	1.24	YC=	932.87	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	136	X=	3.669	YN=	933.07	DEPN=	1.25	YC=	932.77	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	137	X=	3.674	YN=	932.97	DEPN=	1.26	YC=	932.67	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	3.678	YN=	932.87	DEPN=	1.27	YC=	932.56	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	139	X=	3.683	YN=	932.77	DEPN=	1.27	YC=	932.46	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	3.688	YN=	932.67	DEPN=	1.28	YC=	932.36	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	3.692	YN=	932.57	DEPN=	1.29	YC=	932.26	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	3.697	YN=	932.47	DEPN=	1.30	YC=	932.15	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	3.701	YN=	932.35	DEPN=	1.29	YC=	932.03	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	3.706	YN=	932.24	DEPN=	1.29	YC=	931.93	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10

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I=  145   X=   3.710   YN=   932.14   DEPN=    1.30   YC=   931.83   DEPC=    0.98   IFR= 0   ITN=  10   ITC=  10
I=  146   X=   3.715   YN=   932.06   DEPN=    1.33   YC=   931.72   DEPC=    0.99   IFR= 0   ITN=  10   ITC=  10
I=  147   X=   3.719   YN=   931.96   DEPN=    1.33   YC=   931.62   DEPC=    0.99   IFR= 0   ITN=  10   ITC=  10
I=  148   X=   3.724   YN=   931.86   DEPN=    1.34   YC=   931.54   DEPC=    1.02   IFR= 0   ITN=  10   ITC=  10
I=  149   X=   3.729   YN=   931.76   DEPN=    1.35   YC=   931.43   DEPC=    1.02   IFR= 0   ITN=  10   ITC=  10
I=  150   X=   3.733   YN=   931.66   DEPN=    1.36   YC=   931.33   DEPC=    1.03   IFR= 0   ITN=  10   ITC=  10
I=  151   X=   3.738   YN=   931.58   DEPN=    1.38   YC=   931.23   DEPC=    1.03   IFR= 0   ITN=  10   ITC=  10
I=  152   X=   3.742   YN=   931.48   DEPN=    1.39   YC=   931.13   DEPC=    1.04   IFR= 0   ITN=  10   ITC=  10
I=  153   X=   3.747   YN=   931.39   DEPN=    1.42   YC=   931.02   DEPC=    1.05   IFR= 0   ITN=  10   ITC=  10
I=  154   X=   3.751   YN=   931.29   DEPN=    1.43   YC=   930.94   DEPC=    1.07   IFR= 0   ITN=  10   ITC=  10
I=  155   X=   3.756   YN=   931.21   DEPN=    1.45   YC=   930.84   DEPC=    1.08   IFR= 0   ITN=  10   ITC=  10
I=  156   X=   3.761   YN=   931.13   DEPN=    1.48   YC=   930.73   DEPC=    1.08   IFR= 0   ITN=  10   ITC=  10
I=  157   X=   3.765   YN=   931.06   DEPN=    1.51   YC=   930.66   DEPC=    1.11   IFR= 0   ITN=  11   ITC=  11
I=  158   X=   3.770   YN=   930.98   DEPN=    1.54   YC=   930.56   DEPC=    1.13   IFR= 0   ITN=  11   ITC=  11
I=  159   X=   3.774   YN=   930.91   DEPN=    1.58   YC=   930.48   DEPC=    1.16   IFR= 0   ITN=  11   ITC=  11
I=  160   X=   3.779   YN=   930.84   DEPN=    1.62   YC=   930.41   DEPC=    1.19   IFR= 0   ITN=  11   ITC=  11
I=  161   X=   3.783   YN=   930.77   DEPN=    1.66   YC=   930.34   DEPC=    1.23   IFR= 0   ITN=  11   ITC=  11
I=  162   X=   3.788   YN=   930.59   DEPN=    1.59   YC=   930.27   DEPC=    1.27   IFR= 0   ITN=  11   ITC=  11
I=  163   X=   3.846   YN=   928.21   DEPN=    1.60   YC=   927.89   DEPC=    1.28   IFR= 0   ITN=  10   ITC=  10
I=  164   X=   3.904   YN=   925.85   DEPN=    1.62   YC=   925.50   DEPC=    1.27   IFR= 0   ITN=  10   ITC=  10
I=  165   X=   3.963   YN=   923.48   DEPN=    1.64   YC=   923.11   DEPC=    1.27   IFR= 0   ITN=  10   ITC=  10
I=  166   X=   4.021   YN=   921.09   DEPN=    1.63   YC=   920.72   DEPC=    1.26   IFR= 0   ITN=  10   ITC=  10
I=  167   X=   4.079   YN=   918.71   DEPN=    1.64   YC=   918.34   DEPC=    1.26   IFR= 0   ITN=  10   ITC=  10
I=  168   X=   4.137   YN=   916.33   DEPN=    1.64   YC=   915.93   DEPC=    1.24   IFR= 0   ITN=  10   ITC=  10
I=  169   X=   4.196   YN=   913.92   DEPN=    1.62   YC=   913.56   DEPC=    1.25   IFR= 0   ITN=  10   ITC=  10
I=  170   X=   4.254   YN=   911.52   DEPN=    1.59   YC=   911.17   DEPC=    1.25   IFR= 0   ITN=  10   ITC=  10
I=  171   X=   4.312   YN=   909.13   DEPN=    1.59   YC=   908.79   DEPC=    1.25   IFR= 0   ITN=  10   ITC=  10
I=  172   X=   4.370   YN=   906.74   DEPN=    1.59   YC=   906.40   DEPC=    1.24   IFR= 0   ITN=  10   ITC=  10
I=  173   X=   4.429   YN=   904.36   DEPN=    1.59   YC=   904.02   DEPC=    1.25   IFR= 0   ITN=  10   ITC=  10
I=  174   X=   4.487   YN=   901.96   DEPN=    1.58   YC=   901.63   DEPC=    1.25   IFR= 0   ITN=  10   ITC=  10
I=  175   X=   4.545   YN=   899.53   DEPN=    1.53   YC=   899.24   DEPC=    1.24   IFR= 0   ITN=  10   ITC=  10


        (IFR(I),I=1,N)
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0   0   0   0   0   0
 0   0   0   0   0

 IN=  175     YNN=    899.53     DEP=      1.53
      I=  174     X=    4.487     QIL=      500.     YIL=    902.01     DEP=      1.62     ITB=    5
      I=  173     X=    4.429     QIL=      500.     YIL=    904.33     DEP=      1.56     ITB=    5
      I=  172     X=    4.370     QIL=      500.     YIL=    906.77     DEP=      1.61     ITB=    5
      I=  171     X=    4.312     QIL=      500.     YIL=    909.12     DEP=      1.58     ITB=    5
      I=  170     X=    4.254     QIL=      500.     YIL=    911.53     DEP=      1.61     ITB=    5
```

I=	169	X=	4.196	QIL=	500.	YIL=	913.92	DEP=	1.61	ITB=	5
I=	168	X=	4.137	QIL=	500.	YIL=	916.33	DEP=	1.64	ITB=	5
I=	167	X=	4.079	QIL=	500.	YIL=	918.71	DEP=	1.63	ITB=	5
I=	166	X=	4.021	QIL=	500.	YIL=	921.10	DEP=	1.64	ITB=	5
I=	165	X=	3.963	QIL=	500.	YIL=	923.47	DEP=	1.63	ITB=	5
I=	164	X=	3.904	QIL=	500.	YIL=	925.85	DEP=	1.62	ITB=	5
I=	163	X=	3.846	QIL=	500.	YIL=	928.22	DEP=	1.61	ITB=	5
I=	162	X=	3.788	QIL=	500.	YIL=	930.60	DEP=	1.60	ITB=	4
I=	161	X=	3.783	QIL=	500.	YIL=	930.75	DEP=	1.64	ITB=	6
I=	160	X=	3.779	QIL=	500.	YIL=	930.86	DEP=	1.64	ITB=	6
I=	159	X=	3.774	QIL=	500.	YIL=	930.95	DEP=	1.63	ITB=	6
I=	158	X=	3.770	QIL=	500.	YIL=	931.04	DEP=	1.60	ITB=	6
I=	157	X=	3.765	QIL=	500.	YIL=	931.12	DEP=	1.58	ITB=	6
I=	156	X=	3.761	QIL=	500.	YIL=	931.20	DEP=	1.55	ITB=	6
I=	155	X=	3.756	QIL=	500.	YIL=	931.28	DEP=	1.52	ITB=	6
I=	154	X=	3.751	QIL=	500.	YIL=	931.36	DEP=	1.49	ITB=	6
I=	153	X=	3.747	QIL=	500.	YIL=	931.44	DEP=	1.47	ITB=	6
I=	152	X=	3.742	QIL=	500.	YIL=	931.53	DEP=	1.44	ITB=	6
I=	151	X=	3.738	QIL=	500.	YIL=	931.61	DEP=	1.42	ITB=	6
I=	150	X=	3.733	QIL=	500.	YIL=	931.70	DEP=	1.40	ITB=	6
I=	149	X=	3.729	QIL=	500.	YIL=	931.79	DEP=	1.38	ITB=	6
I=	148	X=	3.724	QIL=	500.	YIL=	931.88	DEP=	1.36	ITB=	6
I=	147	X=	3.719	QIL=	500.	YIL=	931.98	DEP=	1.35	ITB=	6
I=	146	X=	3.715	QIL=	500.	YIL=	932.07	DEP=	1.34	ITB=	6
I=	145	X=	3.710	QIL=	500.	YIL=	932.17	DEP=	1.33	ITB=	6
I=	144	X=	3.706	QIL=	500.	YIL=	932.27	DEP=	1.32	ITB=	6
I=	143	X=	3.701	QIL=	500.	YIL=	932.37	DEP=	1.31	ITB=	6
I=	142	X=	3.697	QIL=	500.	YIL=	932.47	DEP=	1.30	ITB=	6
I=	141	X=	3.692	QIL=	500.	YIL=	932.57	DEP=	1.29	ITB=	6
I=	140	X=	3.688	QIL=	500.	YIL=	932.67	DEP=	1.29	ITB=	6
I=	139	X=	3.683	QIL=	500.	YIL=	932.78	DEP=	1.28	ITB=	6
I=	138	X=	3.678	QIL=	500.	YIL=	932.88	DEP=	1.28	ITB=	6
I=	137	X=	3.674	QIL=	500.	YIL=	932.98	DEP=	1.27	ITB=	6
I=	136	X=	3.669	QIL=	500.	YIL=	933.08	DEP=	1.26	ITB=	6
I=	135	X=	3.665	QIL=	500.	YIL=	933.19	DEP=	1.26	ITB=	6
I=	134	X=	3.660	QIL=	500.	YIL=	933.29	DEP=	1.25	ITB=	6
I=	133	X=	3.656	QIL=	500.	YIL=	933.39	DEP=	1.25	ITB=	6
I=	132	X=	3.651	QIL=	500.	YIL=	933.50	DEP=	1.24	ITB=	6
I=	131	X=	3.646	QIL=	500.	YIL=	933.60	DEP=	1.24	ITB=	6
I=	130	X=	3.642	QIL=	500.	YIL=	933.70	DEP=	1.23	ITB=	6
I=	129	X=	3.637	QIL=	500.	YIL=	933.81	DEP=	1.23	ITB=	6
I=	128	X=	3.633	QIL=	500.	YIL=	933.91	DEP=	1.23	ITB=	6
I=	127	X=	3.628	QIL=	500.	YIL=	934.02	DEP=	1.22	ITB=	6
I=	126	X=	3.624	QIL=	500.	YIL=	934.12	DEP=	1.22	ITB=	6
I=	125	X=	3.619	QIL=	500.	YIL=	934.23	DEP=	1.21	ITB=	6
I=	124	X=	3.614	QIL=	500.	YIL=	934.33	DEP=	1.21	ITB=	6
I=	123	X=	3.610	QIL=	500.	YIL=	934.44	DEP=	1.21	ITB=	6
I=	122	X=	3.605	QIL=	500.	YIL=	934.54	DEP=	1.20	ITB=	6
I=	121	X=	3.601	QIL=	500.	YIL=	934.65	DEP=	1.20	ITB=	6
I=	120	X=	3.596	QIL=	500.	YIL=	934.75	DEP=	1.20	ITB=	6
I=	119	X=	3.592	QIL=	500.	YIL=	934.86	DEP=	1.20	ITB=	6
I=	118	X=	3.587	QIL=	500.	YIL=	934.96	DEP=	1.19	ITB=	6
I=	117	X=	3.583	QIL=	500.	YIL=	935.07	DEP=	1.19	ITB=	6
I=	116	X=	3.578	QIL=	500.	YIL=	935.18	DEP=	1.19	ITB=	6
I=	115	X=	3.573	QIL=	500.	YIL=	935.28	DEP=	1.18	ITB=	6
I=	114	X=	3.569	QIL=	500.	YIL=	935.39	DEP=	1.18	ITB=	6
I=	113	X=	3.564	QIL=	500.	YIL=	935.49	DEP=	1.18	ITB=	6
I=	112	X=	3.560	QIL=	500.	YIL=	935.60	DEP=	1.18	ITB=	6
I=	111	X=	3.555	QIL=	500.	YIL=	935.71	DEP=	1.18	ITB=	6
I=	110	X=	3.551	QIL=	500.	YIL=	935.81	DEP=	1.17	ITB=	6

I=	109	X=	3.546	QIL=	500.	YIL=	935.92	DEP=	1.17	ITB=	6
I=	108	X=	3.541	QIL=	500.	YIL=	936.03	DEP=	1.17	ITB=	6
I=	107	X=	3.537	QIL=	500.	YIL=	936.13	DEP=	1.17	ITB=	6
I=	106	X=	3.532	QIL=	500.	YIL=	936.24	DEP=	1.17	ITB=	6
I=	105	X=	3.528	QIL=	500.	YIL=	936.35	DEP=	1.16	ITB=	6
I=	104	X=	3.523	QIL=	500.	YIL=	936.45	DEP=	1.16	ITB=	6
I=	103	X=	3.519	QIL=	500.	YIL=	936.56	DEP=	1.16	ITB=	6
I=	102	X=	3.514	QIL=	500.	YIL=	936.67	DEP=	1.16	ITB=	6
I=	101	X=	3.509	QIL=	500.	YIL=	936.77	DEP=	1.16	ITB=	6
I=	100	X=	3.505	QIL=	500.	YIL=	936.88	DEP=	1.16	ITB=	6
I=	99	X=	3.500	QIL=	500.	YIL=	936.99	DEP=	1.16	ITB=	6
I=	98	X=	3.496	QIL=	500.	YIL=	937.09	DEP=	1.15	ITB=	6
I=	97	X=	3.491	QIL=	500.	YIL=	937.20	DEP=	1.15	ITB=	6
I=	96	X=	3.487	QIL=	500.	YIL=	937.31	DEP=	1.15	ITB=	6
I=	95	X=	3.482	QIL=	500.	YIL=	937.42	DEP=	1.15	ITB=	6
I=	94	X=	3.477	QIL=	500.	YIL=	937.52	DEP=	1.15	ITB=	6
I=	93	X=	3.473	QIL=	500.	YIL=	937.63	DEP=	1.15	ITB=	6
I=	92	X=	3.468	QIL=	500.	YIL=	937.74	DEP=	1.15	ITB=	6
I=	91	X=	3.464	QIL=	500.	YIL=	937.84	DEP=	1.15	ITB=	6
I=	90	X=	3.459	QIL=	500.	YIL=	937.95	DEP=	1.14	ITB=	6
I=	89	X=	3.455	QIL=	500.	YIL=	938.06	DEP=	1.14	ITB=	6
I=	88	X=	3.450	QIL=	500.	YIL=	938.17	DEP=	1.14	ITB=	6
I=	87	X=	3.446	QIL=	500.	YIL=	938.27	DEP=	1.14	ITB=	6
I=	86	X=	3.441	QIL=	500.	YIL=	938.38	DEP=	1.14	ITB=	6
I=	85	X=	3.436	QIL=	500.	YIL=	938.49	DEP=	1.14	ITB=	6
I=	84	X=	3.432	QIL=	500.	YIL=	938.60	DEP=	1.14	ITB=	6
I=	83	X=	3.427	QIL=	500.	YIL=	938.70	DEP=	1.14	ITB=	6
I=	82	X=	3.423	QIL=	500.	YIL=	938.81	DEP=	1.14	ITB=	6
I=	81	X=	3.418	QIL=	500.	YIL=	938.92	DEP=	1.14	ITB=	6
I=	80	X=	3.414	QIL=	500.	YIL=	939.03	DEP=	1.13	ITB=	6
I=	79	X=	3.409	QIL=	500.	YIL=	939.13	DEP=	1.13	ITB=	6
I=	78	X=	3.333	QIL=	500.	YIL=	942.94	DEP=	0.94	ITB=	2
I=	77	X=	3.257	QIL=	500.	YIL=	947.20	DEP=	1.20	ITB=	4
I=	76	X=	3.182	QIL=	500.	YIL=	951.03	DEP=	1.03	ITB=	5
I=	75	X=	3.106	QIL=	500.	YIL=	955.33	DEP=	1.33	ITB=	3
I=	74	X=	3.030	QIL=	500.	YIL=	959.18	DEP=	1.18	ITB=	5
I=	73	X=	3.006	QIL=	500.	YIL=	960.55	DEP=	1.30	ITB=	5
I=	72	X=	2.983	QIL=	500.	YIL=	961.60	DEP=	1.10	ITB=	6
I=	71	X=	2.959	QIL=	500.	YIL=	962.87	DEP=	1.12	ITB=	5
I=	70	X=	2.935	QIL=	500.	YIL=	964.04	DEP=	1.04	ITB=	5
I=	69	X=	2.912	QIL=	500.	YIL=	965.29	DEP=	1.04	ITB=	5
I=	68	X=	2.888	QIL=	500.	YIL=	966.49	DEP=	0.99	ITB=	5
I=	67	X=	2.865	QIL=	500.	YIL=	967.73	DEP=	0.98	ITB=	5
I=	66	X=	2.841	QIL=	500.	YIL=	968.95	DEP=	0.95	ITB=	5
I=	65	X=	2.817	QIL=	500.	YIL=	970.20	DEP=	0.95	ITB=	5
I=	64	X=	2.794	QIL=	500.	YIL=	971.43	DEP=	0.93	ITB=	5
I=	63	X=	2.770	QIL=	500.	YIL=	972.67	DEP=	0.92	ITB=	5
I=	62	X=	2.746	QIL=	500.	YIL=	973.90	DEP=	0.90	ITB=	5
I=	61	X=	2.723	QIL=	500.	YIL=	975.15	DEP=	0.90	ITB=	5
I=	60	X=	2.699	QIL=	500.	YIL=	976.38	DEP=	0.88	ITB=	5
I=	59	X=	2.676	QIL=	500.	YIL=	977.63	DEP=	0.88	ITB=	5
I=	58	X=	2.652	QIL=	500.	YIL=	978.87	DEP=	0.87	ITB=	5
I=	57	X=	2.576	QIL=	500.	YIL=	980.95	DEP=	0.95	ITB=	6
I=	56	X=	2.500	QIL=	500.	YIL=	982.87	DEP=	0.87	ITB=	5
I=	55	X=	2.425	QIL=	500.	YIL=	984.93	DEP=	0.93	ITB=	4
I=	54	X=	2.349	QIL=	500.	YIL=	986.87	DEP=	0.87	ITB=	5
I=	53	X=	2.273	QIL=	500.	YIL=	988.91	DEP=	0.91	ITB=	5
I=	52	X=	2.244	QIL=	500.	YIL=	989.74	DEP=	0.90	ITB=	6
I=	51	X=	2.215	QIL=	500.	YIL=	990.69	DEP=	1.00	ITB=	5
I=	50	X=	2.186	QIL=	500.	YIL=	991.53	DEP=	0.99	ITB=	6

I=	49	X=	2.156	QIL=	500.	YIL=	992.45	DEP=	1.06	ITB=	5
I=	48	X=	2.127	QIL=	500.	YIL=	993.30	DEP=	1.07	ITB=	5
I=	47	X=	2.098	QIL=	500.	YIL=	994.19	DEP=	1.11	ITB=	5
I=	46	X=	2.069	QIL=	500.	YIL=	995.05	DEP=	1.13	ITB=	5
I=	45	X=	2.040	QIL=	500.	YIL=	995.93	DEP=	1.16	ITB=	5
I=	44	X=	2.011	QIL=	500.	YIL=	996.79	DEP=	1.18	ITB=	5
I=	43	X=	1.981	QIL=	500.	YIL=	997.66	DEP=	1.20	ITB=	5
I=	42	X=	1.952	QIL=	500.	YIL=	998.52	DEP=	1.22	ITB=	5
I=	41	X=	1.923	QIL=	500.	YIL=	999.39	DEP=	1.24	ITB=	5
I=	40	X=	1.894	QIL=	500.	YIL=	1000.25	DEP=	1.25	ITB=	5
I=	39	X=	1.862	QIL=	500.	YIL=	1001.14	DEP=	1.31	ITB=	5
I=	38	X=	1.831	QIL=	500.	YIL=	1002.01	DEP=	1.34	ITB=	5
I=	37	X=	1.799	QIL=	500.	YIL=	1002.88	DEP=	1.38	ITB=	5
I=	36	X=	1.768	QIL=	500.	YIL=	1003.75	DEP=	1.42	ITB=	5
I=	35	X=	1.736	QIL=	500.	YIL=	1004.62	DEP=	1.46	ITB=	5
I=	34	X=	1.705	QIL=	500.	YIL=	1005.49	DEP=	1.49	ITB=	5
I=	33	X=	1.673	QIL=	500.	YIL=	1006.37	DEP=	1.53	ITB=	5
I=	32	X=	1.641	QIL=	500.	YIL=	1007.24	DEP=	1.57	ITB=	5
I=	31	X=	1.610	QIL=	500.	YIL=	1008.10	DEP=	1.60	ITB=	5
I=	30	X=	1.578	QIL=	500.	YIL=	1008.97	DEP=	1.64	ITB=	5
I=	29	X=	1.547	QIL=	500.	YIL=	1009.84	DEP=	1.67	ITB=	5
I=	28	X=	1.515	QIL=	500.	YIL=	1010.71	DEP=	1.71	ITB=	5
I=	27	X=	1.494	QIL=	500.	YIL=	1011.57	DEP=	1.52	ITB=	5
I=	26	X=	1.473	QIL=	500.	YIL=	1012.71	DEP=	1.60	ITB=	5
I=	25	X=	1.452	QIL=	500.	YIL=	1013.68	DEP=	1.52	ITB=	5
I=	24	X=	1.431	QIL=	500.	YIL=	1014.74	DEP=	1.52	ITB=	5
I=	23	X=	1.410	QIL=	500.	YIL=	1015.75	DEP=	1.48	ITB=	5
I=	22	X=	1.389	QIL=	500.	YIL=	1016.79	DEP=	1.46	ITB=	5
I=	21	X=	1.368	QIL=	500.	YIL=	1017.81	DEP=	1.42	ITB=	5
I=	20	X=	1.347	QIL=	500.	YIL=	1018.84	DEP=	1.40	ITB=	5
I=	19	X=	1.326	QIL=	500.	YIL=	1019.86	DEP=	1.36	ITB=	5
I=	18	X=	1.304	QIL=	500.	YIL=	1020.88	DEP=	1.33	ITB=	5
I=	17	X=	1.283	QIL=	500.	YIL=	1021.90	DEP=	1.29	ITB=	5
I=	16	X=	1.262	QIL=	500.	YIL=	1022.92	DEP=	1.25	ITB=	5
I=	15	X=	1.241	QIL=	500.	YIL=	1023.94	DEP=	1.21	ITB=	5
I=	14	X=	1.220	QIL=	500.	YIL=	1024.95	DEP=	1.17	ITB=	5
I=	13	X=	1.199	QIL=	500.	YIL=	1025.96	DEP=	1.12	ITB=	5
I=	12	X=	1.178	QIL=	500.	YIL=	1026.96	DEP=	1.07	ITB=	5
I=	11	X=	1.157	QIL=	500.	YIL=	1027.96	DEP=	1.01	ITB=	5
I=	10	X=	1.136	QIL=	500.	YIL=	1028.95	DEP=	0.95	ITB=	5
I=	9	X=	1.042	QIL=	500.	YIL=	1031.55	DEP=	1.05	ITB=	6
I=	8	X=	0.947	QIL=	500.	YIL=	1033.98	DEP=	0.98	ITB=	5
I=	7	X=	0.853	QIL=	500.	YIL=	1036.57	DEP=	1.07	ITB=	5
I=	6	X=	0.758	QIL=	500.	YIL=	1039.01	DEP=	1.01	ITB=	4
I=	5	X=	0.663	QIL=	500.	YIL=	1040.99	DEP=	1.24	ITB=	4
I=	4	X=	0.569	QIL=	500.	YIL=	1042.71	DEP=	1.21	ITB=	5
I=	3	X=	0.474	QIL=	500.	YIL=	1044.64	DEP=	1.39	ITB=	4
I=	2	X=	0.379	QIL=	500.	YIL=	1046.38	DEP=	1.38	ITB=	5
I=	1	X=	0.000	QIL=	500.	YIL=	1079.80	DEP=	29.80	ITB=	0

INITIAL CONDITIONS

(GDI(I), I=1, N)

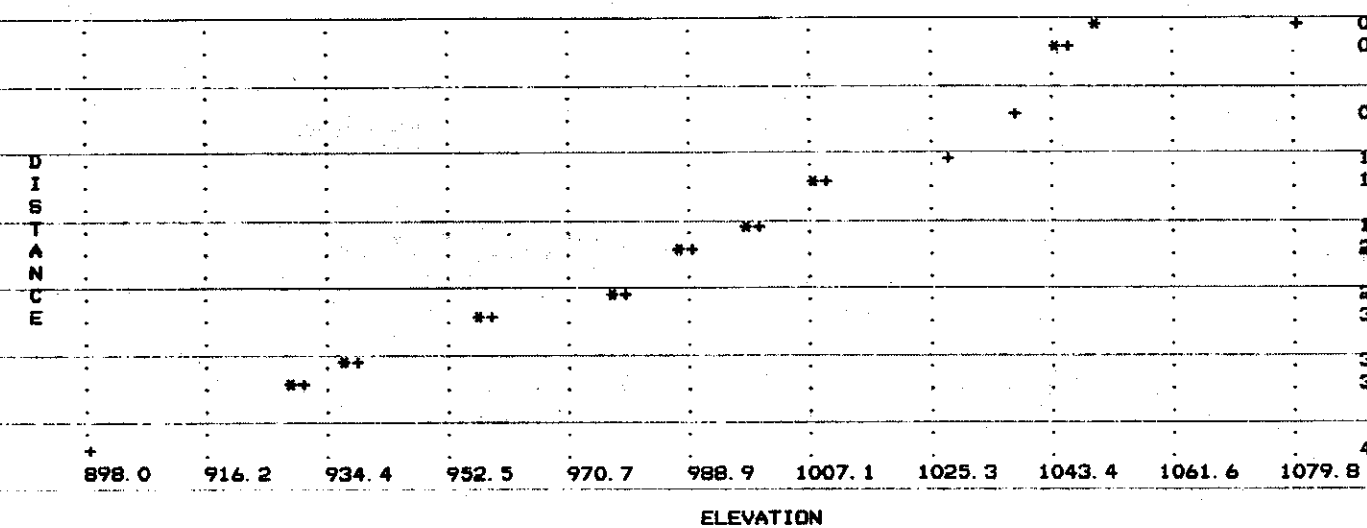
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	

(YI(I), I=1, N)

1079.80	1046.38	1044.64	1042.71	1040.99	1039.01	1036.57	1033.98
1031.55	1028.95	1027.96	1026.96	1025.96	1024.95	1023.94	1022.92
1021.90	1020.88	1019.86	1018.84	1017.81	1016.79	1015.75	1014.74
1013.68	1012.71	1011.57	1010.71	1009.84	1008.97	1008.10	1007.24
1006.37	1005.49	1004.62	1003.75	1002.88	1002.01	1001.14	1000.25
999.39	998.52	997.66	996.79	995.93	995.05	994.19	993.30
992.45	991.53	990.69	989.74	988.91	986.87	984.93	982.87
980.95	978.87	977.63	976.38	975.15	973.90	972.67	971.43
970.20	968.95	967.73	966.49	965.29	964.04	962.87	961.60
960.55	959.18	955.33	951.03	947.20	942.94	939.13	939.03
938.92	938.81	938.70	938.60	938.49	938.38	938.27	938.17
938.06	937.95	937.84	937.74	937.63	937.52	937.42	937.31
937.20	937.09	936.99	936.88	936.77	936.67	936.56	936.45
936.35	936.24	936.13	936.03	935.92	935.81	935.71	935.60
935.49	935.39	935.28	935.18	935.07	934.96	934.86	934.75
934.65	934.54	934.44	934.33	934.23	934.12	934.02	933.91
933.81	933.70	933.60	933.50	933.39	933.29	933.19	933.08
932.98	932.88	932.78	932.67	932.57	932.47	932.37	932.27
932.17	932.07	931.98	931.88	931.79	931.70	931.61	931.53
931.44	931.36	931.28	931.20	931.12	931.04	930.95	930.86
930.75	930.60	928.22	925.85	923.47	921.10	918.71	916.33
913.92	911.53	909.12	906.77	904.33	902.01	899.53	

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1050.00	1079.80	29.80
0.38	1045.00	1046.38	1.38
0.76	1038.00	1039.01	1.01
1.14	1028.00	1028.95	0.95
1.51	1009.00	1010.71	1.71
1.89	999.00	1000.25	1.25
2.27	988.00	988.91	0.91
2.65	978.00	978.87	0.87
3.03	958.00	959.18	1.18
3.41	938.00	939.13	1.13
3.79	929.00	930.60	1.60
4.55	898.00	899.53	1.53

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	8.750
TIME TO PEAK	HR	TP	5.000
TIME STEP SIZE	HR	DTHI	0.025

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
GU(1) =     500.00     YU(1) =    1079.80  GU(N) =     500.00  YU(N) =     899.53
FRDM=    0.81  IIFR=   78  FRM=0.00 IIFM=    1

TT =   0.0000          DTH =  0.0250          ITERR =   0
GU(1) =     500.00     YU(1) =    1079.80  GU(N) =     500.00  YU(N) =     899.57
FRDM=    0.76  IIFR=   78  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1079.80	1063.00	1046.39	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
GU(1) =     500.00     YU(1) =    1079.80  GU(N) =     525.58  YU(N) =     899.60
FRDM=    0.79  IIFR=   78  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1079.80	1063.00	1046.39	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =    0.0250          DTH =  0.0250          ITERR =   1
GU(1) =     776.32     YU(1) =     1079.80  GU(N) =     534.57  YU(N) =     899.61
FRDM=    0.77  IIFR=   78  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.025     776.3   1079.80   1062.16   1046.53      1.00       7.5     776.3     276.3       0.0     500.0

TT =    0.0500          DTH =  0.0250          ITERR =   1
GU(1) =    1605.34     YU(1) =     1079.80  GU(N) =     537.92  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.050    1605.3   1079.80   1061.32   1046.87      1.00      15.0    1605.3    1105.3       0.0     500.0

TT =    0.0750          DTH =  0.0250          ITERR =   1
GU(1) =    2986.70     YU(1) =     1079.79  GU(N) =     539.44  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.075    2986.7   1079.79   1060.48   1047.25      1.00      22.5    2986.7    2486.7       0.0     500.0

TT =    0.1000          DTH =  0.0250          ITERR =   1
GU(1) =    4638.24     YU(1) =     1079.79  GU(N) =     539.70  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.100    4638.2   1079.79   1060.00   1047.57      1.00      30.0    4638.2    4138.2       0.0     500.0
```

```
TT =   0.1250          DTH =  0.0250          ITERR =   1
GU(1) =    6227.72     YU(1) =    1079.78  GU(N) =     540.02  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.125    6227.7   1079.78   1060.00   1047.84      1.00      37.5    6227.7    5727.7       0.0     500.0

TT =   0.1500          DTH =  0.0250          ITERR =   1
GU(1) =    7925.98     YU(1) =    1079.77  GU(N) =     539.99  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.150    7926.0   1079.77   1060.00   1048.09      1.00      45.0    7926.0    7526.0       0.0     400.0

TT =   0.1750          DTH =  0.0250          ITERR =   1
GU(1) =    9820.99     YU(1) =    1079.75  GU(N) =     540.09  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.175    9821.0   1079.75   1060.00   1048.32      1.00      52.5    9821.0    9521.0       0.0     300.0

TT =   0.2000          DTH =  0.0250          ITERR =   1
GU(1) =   11900.08     YU(1) =    1079.73  GU(N) =     540.06  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.200   11900.1   1079.73   1060.00   1048.54      1.00      60.0   11900.1   11700.1       0.0     200.0
```

```
TT =   0.2250          DTH =  0.0250          ITERR =   1
GU(1) =   14149.86     YU(1) =    1079.71  GU(N) =     540.09  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.225   14149.9   1079.71   1060.00   1048.75      1.00      67.5   14149.9   14049.9       0.0     100.0

TT =   0.2500          DTH =  0.0250          ITERR =   1
GU(1) =   16555.78     YU(1) =    1079.69  GU(N) =     540.06  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.250   16555.8   1079.69   1060.00   1048.96      1.00      75.0   16555.8   16555.8       0.0       0.0

TT =   0.2750          DTH =  0.0250          ITERR =   1
GU(1) =   19202.94     YU(1) =    1079.66  GU(N) =     540.08  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.275   19202.9   1079.66   1060.00   1049.17      1.00      82.5   19202.9   19202.9       0.0       0.0

TT =   0.3000          DTH =  0.0250          ITERR =   2
GU(1) =   26331.89     YU(1) =    1079.62  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2    0.300   26331.9   1079.62   1060.00   1049.58      1.00      90.0   26331.9   26331.9       0.0       0.0
```

```
TT =    0.3250          DTH =  0.0250          ITERR =   1
GU(1) =   28243.92     YU(1) =    1079.57  GU(N) =     540.08  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.325   28243.9   1079.57   1060.00   1049.76      1.00      97.5   28243.9   28243.9       0.0       0.0

TT =    0.3500          DTH =  0.0250          ITERR =   1
GU(1) =   30132.58     YU(1) =    1079.52  GU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.350   30132.6   1079.52   1060.00   1049.89      1.00     105.0   30132.6   30132.6       0.0       0.0

TT =    0.3750          DTH =  0.0250          ITERR =   1
GU(1) =   31996.60     YU(1) =    1079.46  GU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.375   31996.6   1079.46   1060.00   1049.99      1.00     112.5   31996.6   31996.6       0.0       0.0

TT =    0.4000          DTH =  0.0250          ITERR =   1
GU(1) =   33834.12     YU(1) =    1079.40  GU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.400   33834.1   1079.40   1060.00   1050.08      1.00     120.0   33834.1   33834.1       0.0       0.0
```

```
TT =    0.4250          DTH =  0.0250          ITERR =   1
GU(1) =    35643.53     YU(1) =     1079.34  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.425   35643.5   1079.34   1060.00   1050.16      1.00     127.5   35643.5   35643.5       0.0       0.0

TT =    0.4500          DTH =  0.0250          ITERR =   1
GU(1) =    37423.27     YU(1) =     1079.27  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.450   37423.3   1079.27   1060.00   1050.24      1.00     135.0   37423.3   37423.3       0.0       0.0

TT =    0.4750          DTH =  0.0250          ITERR =   2
GU(1) =    39172.15     YU(1) =     1079.20  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2    0.475   39172.2   1079.20   1060.00   1050.32      1.00     142.5   39172.2   39172.2       0.0       0.0

TT =    0.5000          DTH =  0.0250          ITERR =   1
GU(1) =    40888.28     YU(1) =     1079.13  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.500   40888.3   1079.13   1060.00   1050.39      1.00     150.0   40888.3   40888.3       0.0       0.0
```

```
TT =    0.5250          DTH =  0.0250          ITERR =   2
GU(1) =    40639.01     YU(1) =     1079.05  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.525    40639.0   1079.05   1060.00   1050.40      1.00     150.0   40639.0   40639.0       0.0       0.0

TT =    0.5500          DTH =  0.0250          ITERR =   2
GU(1) =    40390.44     YU(1) =     1078.98  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.550    40390.4   1078.98   1060.00   1050.39      1.00     150.0   40390.4   40390.4       0.0       0.0

TT =    0.5750          DTH =  0.0250          ITERR =   2
GU(1) =    40142.45     YU(1) =     1078.90  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.575    40142.4   1078.90   1060.00   1050.38      1.00     150.0   40142.4   40142.4       0.0       0.0

TT =    0.6000          DTH =  0.0250          ITERR =   2
GU(1) =    39895.41     YU(1) =     1078.83  GU(N) =      540.07  YU(N) =      899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.600    39895.4   1078.83   1060.00   1050.37      1.00     150.0   39895.4   39895.4       0.0       0.0
```

```
TT =   0.6250          DTH =  0.0250          ITERR =   2
GU(1) =   39648.95     YU(1) =    1078.75  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.625   39649.0   1078.75   1060.00   1050.36      1.00     150.0   39649.0   39649.0       0.0       0.0

TT =   0.6500          DTH =  0.0250          ITERR =   2
GU(1) =   39403.46     YU(1) =    1078.68  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.650   39403.5   1078.68   1060.00   1050.35      1.00     150.0   39403.5   39403.5       0.0       0.0

TT =   0.6750          DTH =  0.0250          ITERR =   2
GU(1) =   39158.54     YU(1) =    1078.60  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.675   39158.5   1078.60   1060.00   1050.34      1.00     150.0   39158.5   39158.5       0.0       0.0

TT =   0.7000          DTH =  0.0250          ITERR =   2
GU(1) =   38914.57     YU(1) =    1078.53  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.700   38914.6   1078.53   1060.00   1050.33      1.00     150.0   38914.6   38914.6       0.0       0.0
```

```
TT =   0.7250          DTH =  0.0250          ITERR =   2
GU(1) =   38671.18     YU(1) =    1078.45  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.725   38671.2   1078.45   1060.00   1050.32      1.00     150.0   38671.2   38671.2       0.0       0.0

TT =   0.7500          DTH =  0.0250          ITERR =   2
GU(1) =   38428.75     YU(1) =    1078.38  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.750   38428.7   1078.38   1060.00   1050.31      1.00     150.0   38428.7   38428.7       0.0       0.0

TT =   0.7750          DTH =  0.0250          ITERR =   2
GU(1) =   38186.88     YU(1) =    1078.30  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.775   38186.9   1078.30   1060.00   1050.30      1.00     150.0   38186.9   38186.9       0.0       0.0

TT =   0.8000          DTH =  0.0250          ITERR =   2
GU(1) =   37945.98     YU(1) =    1078.23  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.800   37946.0   1078.23   1060.00   1050.29      1.00     150.0   37946.0   37946.0       0.0       0.0
```

```
TT =    0.8250          DTH =  0.0250          ITERR =   2
QU(1) =   37706.04     YU(1) =     1078.15  QU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.825   37706.0   1078.15   1060.00   1050.28      1.00     150.0   37706.0   37706.0       0.0       0.0

TT =    0.8500          DTH =  0.0250          ITERR =   2
QU(1) =   37466.65     YU(1) =     1078.08  QU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.850   37466.6   1078.08   1060.00   1050.27      1.00     150.0   37466.6   37466.6       0.0       0.0

TT =    0.8750          DTH =  0.0250          ITERR =   2
QU(1) =   37228.22     YU(1) =     1078.00  QU(N) =     540.07  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.875   37228.2   1078.00   1060.00   1050.26      1.00     150.0   37228.2   37228.2       0.0       0.0

TT =    0.9000          DTH =  0.0250          ITERR =   2
QU(1) =   36990.36     YU(1) =     1077.93  QU(N) =     540.08  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.900   36990.4   1077.93   1060.00   1050.25      1.00     150.0   36990.4   36990.4       0.0       0.0
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```
TT =   0.9250          DTH =  0.0250          ITERR =   2
GU(1) =   36753.45     YU(1) =    1077.85  GU(N) =     540.07  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.925   36753.5   1077.85   1060.00   1050.24      1.00     150.0   36753.5   36753.5       0.0       0.0

TT =   0.9500          DTH =  0.0250          ITERR =   2
GU(1) =   36517.11     YU(1) =    1077.78  GU(N) =     540.08  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.950   36517.1   1077.78   1060.00   1050.23      1.00     150.0   36517.1   36517.1       0.0       0.0

TT =   0.9750          DTH =  0.0250          ITERR =   2
GU(1) =   36281.71     YU(1) =    1077.71  GU(N) =     540.08  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     0.975   36281.7   1077.71   1060.00   1050.22      1.00     150.0   36281.7   36281.7       0.0       0.0

TT =   1.0000          DTH =  0.0250          ITERR =   2
GU(1) =   36046.88     YU(1) =    1077.63  GU(N) =     540.08  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.000   36046.9   1077.63   1060.00   1050.21      1.00     150.0   36046.9   36046.9       0.0       0.0
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```
TT =    1.0250          DTH =  0.0250          ITERR =   2
GU(1) =    35813.94     YU(1) =     1077.56  GU(N) =     540.08  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.025   35813.9   1077.56   1060.00   1050.20      1.00     150.0   35813.9   35813.9       0.0       0.0

TT =    1.0500          DTH =  0.0250          ITERR =   2
GU(1) =    35583.29     YU(1) =     1077.48  GU(N) =     540.09  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.050   35583.3   1077.48   1060.00   1050.19      1.00     150.0   35583.3   35583.3       0.0       0.0

TT =    1.0750          DTH =  0.0250          ITERR =   1
GU(1) =    35355.51     YU(1) =     1077.41  GU(N) =     540.11  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.075   35355.5   1077.41   1060.00   1050.18      1.00     150.0   35355.5   35355.5       0.0       0.0

TT =    1.1000          DTH =  0.0250          ITERR =   2
GU(1) =    35130.22     YU(1) =     1077.34  GU(N) =     540.14  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.100   35130.2   1077.34   1060.00   1050.17      1.00     150.0   35130.2   35130.2       0.0       0.0
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```
TT =   1.1250          DTH =  0.0250          ITERR =   2
GU(1) =   34907.78     YU(1) =    1077.27  GU(N) =     540.17  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    2     1.125   34907.8   1077.27   1060.00   1050.16      1.00     150.0   34907.8   34907.8       0.0       0.0


TT =   1.1500          DTH =  0.0250          ITERR =   1
GU(1) =   34688.18     YU(1) =    1077.20  GU(N) =     540.19  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     1.150   34688.2   1077.20   1060.00   1050.15      1.00     150.0   34688.2   34688.2       0.0       0.0


TT =   1.1750          DTH =  0.0250          ITERR =   2
GU(1) =   34471.01     YU(1) =    1077.13  GU(N) =     540.22  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    2     1.175   34471.0   1077.13   1060.00   1050.14      1.00     150.0   34471.0   34471.0       0.0       0.0


TT =   1.2000          DTH =  0.0250          ITERR =   2
GU(1) =   34256.65     YU(1) =    1077.06  GU(N) =     540.24  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    2     1.200   34256.7   1077.06   1060.00   1050.13      1.00     150.0   34256.7   34256.7       0.0       0.0
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```
TT =    1.2250          DTH =  0.0250          ITERR =   2
QU(1) =    34045.09     YU(1) =    1076.99  QU(N) =     540.26  YU(N) =     899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.225    34045.1   1076.99   1060.00   1050.12      1.00     150.0    34045.1   34045.1       0.0       0.0

TT =    1.2500          DTH =  0.0250          ITERR =   2
QU(1) =    33836.30     YU(1) =    1076.92  QU(N) =     540.27  YU(N) =     899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.250    33836.3   1076.92   1060.00   1050.11      1.00     150.0    33836.3   33836.3       0.0       0.0

TT =    1.2750          DTH =  0.0250          ITERR =   2
QU(1) =    33630.28     YU(1) =    1076.86  QU(N) =     540.28  YU(N) =     899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.275    33630.3   1076.86   1060.00   1050.10      1.00     150.0    33630.3   33630.3       0.0       0.0

TT =    1.3000          DTH =  0.0250          ITERR =   3
QU(1) =    33427.39     YU(1) =    1076.79  QU(N) =     540.29  YU(N) =     899.62
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.300    33427.4   1076.79   1060.00   1050.09      1.00     150.0    33427.4   33427.4       0.0       0.0
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TT =    1.3250          DTH =  0.0250          ITERR =   3
GU(1) =   33227.22     YU(1) =    1076.72  GU(N) =     540.30  YU(N) =     899.62
FRDM=     0.76  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.325   33227.2   1076.72   1060.00   1050.08      1.00     150.0   33227.2   33227.2       0.0       0.0

TT =    1.3500          DTH =  0.0250          ITERR =   3
GU(1) =   33029.77     YU(1) =    1076.66  GU(N) =     540.31  YU(N) =     899.62
FRDM=     0.74  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.350   33029.8   1076.66   1060.00   1050.07      1.00     150.0   33029.8   33029.8       0.0       0.0

TT =    1.3750          DTH =  0.0250          ITERR =   3
GU(1) =   32835.40     YU(1) =    1076.60  GU(N) =     540.31  YU(N) =     899.62
FRDM=     0.74  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.375   32835.4   1076.60   1060.00   1050.07      1.00     150.0   32835.4   32835.4       0.0       0.0

TT =    1.4000          DTH =  0.0250          ITERR =   4
GU(1) =   32644.09     YU(1) =    1076.53  GU(N) =     540.32  YU(N) =     899.62
FRDM=     0.61  IIFR=   76  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    4     1.400   32644.1   1076.53   1060.00   1050.06      1.00     150.0   32644.1   32644.1       0.0       0.0
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```
TT =    1.4250          DTH =  0.0250          ITERR =   4
QU(1) =   32455.45     YU(1) =    1076.47  GU(N) =     540.32  YU(N) =     899.62
FRDM=     0.60  IIFR=   77  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    4     1.425   32455.5   1076.47   1060.00   1050.05      1.00     150.0   32455.5   32455.5       0.0       0.0

TT =    1.4500          DTH =  0.0250          ITERR =   3
QU(1) =   32269.85     YU(1) =    1076.41  GU(N) =     540.33  YU(N) =     899.62
FRDM=     0.64  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.450   32269.8   1076.41   1060.00   1050.04      1.00     150.0   32269.8   32269.8       0.0       0.0

TT =    1.4750          DTH =  0.0250          ITERR =   3
QU(1) =   32087.25     YU(1) =    1076.35  GU(N) =     540.33  YU(N) =     899.62
FRDM=     0.70  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.475   32087.2   1076.35   1060.00   1050.03      1.00     150.0   32087.2   32087.2       0.0       0.0

TT =    1.5000          DTH =  0.0250          ITERR =   2
QU(1) =   31907.65     YU(1) =    1076.29  GU(N) =     540.33  YU(N) =     899.62
FRDM=     0.73  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.500   31907.6   1076.29   1060.00   1050.02      1.00     150.0   31907.6   31907.6       0.0       0.0
```

```
TT =    1.5250          DTH =  0.0250          ITERR =    2
GU(1) =    31730.64     YU(1) =     1076.23  GU(N) =      540.33  YU(N) =      899.62
FRDM=     0.75  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I     K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1     2     1.525    31730.6   1076.23   1060.00   1050.02      1.00     150.0   31730.6   31730.6       0.0       0.0

TT =    1.5500          DTH =  0.0250          ITERR =    2
GU(1) =    31555.85     YU(1) =     1076.17  GU(N) =      540.34  YU(N) =      899.62
FRDM=     0.76  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I     K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1     2     1.550    31555.8   1076.17   1060.00   1050.01      1.00     150.0   31555.8   31555.9       0.0       0.0

TT =    1.5750          DTH =  0.0250          ITERR =    2
GU(1) =    31383.26     YU(1) =     1076.12  GU(N) =      540.34  YU(N) =      899.62
FRDM=     0.76  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I     K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1     2     1.575    31383.3   1076.12   1060.00   1050.00      1.00     150.0   31383.3   31383.3       0.0       0.0

TT =    1.6000          DTH =  0.0250          ITERR =    2
GU(1) =    31213.25     YU(1) =     1076.06  GU(N) =      540.34  YU(N) =      899.62
FRDM=     0.77  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I     K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1     2     1.600    31213.2   1076.06   1060.00   1049.99      1.00     150.0   31213.2   31213.2       0.0       0.0
```

```
TT =    1.6250          DTH =  0.0250          ITERR =   3
GU(1) =   31045.41     YU(1) =    1076.00  GU(N) =     540.34  YU(N) =     899.62
FRDM=    0.77  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.625   31045.4   1076.00   1060.00   1049.98      1.00    150.0   31045.4   31045.4       0.0       0.0

TT =    1.6500          DTH =  0.0250          ITERR =   3
GU(1) =   30879.88     YU(1) =    1075.95  GU(N) =     540.35  YU(N) =     899.62
FRDM=    0.77  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.650   30879.9   1075.95   1060.00   1049.97      1.00    150.0   30879.9   30879.9       0.0       0.0

TT =    1.6750          DTH =  0.0250          ITERR =   3
GU(1) =   30717.01     YU(1) =    1075.89  GU(N) =     540.35  YU(N) =     899.62
FRDM=    0.77  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.675   30717.0   1075.89   1060.00   1049.96      1.00    150.0   30717.0   30717.0       0.0       0.0

TT =    1.7000          DTH =  0.0250          ITERR =   3
GU(1) =   30556.65     YU(1) =    1075.84  GU(N) =     540.35  YU(N) =     899.62
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.700   30556.7   1075.84   1060.00   1049.96      1.00    150.0   30556.7   30556.7       0.0       0.0
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```
TT =    1.7250          DTH =  0.0250          ITERR =   4
GU(1) =    30399.16     YU(1) =     1075.79  GU(N) =     540.35  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    4     1.725   30399.2   1075.79   1060.00   1049.95      1.00     150.0   30399.2   30399.2       0.0       0.0

TT =    1.7500          DTH =  0.0250          ITERR =   4
GU(1) =    30244.14     YU(1) =     1075.73  GU(N) =     540.35  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    4     1.750   30244.1   1075.73   1060.00   1049.94      1.00     150.0   30244.1   30244.1       0.0       0.0

TT =    1.7750          DTH =  0.0250          ITERR =   3
GU(1) =    30091.60     YU(1) =     1075.68  GU(N) =     540.23  YU(N) =     899.62
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.775   30091.6   1075.68   1060.00   1049.93      1.00     150.0   30091.6   30091.6       0.0       0.0

TT =    1.8000          DTH =  0.0250          ITERR =   3
GU(1) =    29941.89     YU(1) =     1075.63  GU(N) =     600.39  YU(N) =     899.67
FRDM=     0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    3     1.800   29941.9   1075.63   1060.00   1049.92      1.00     150.0   29941.9   29941.9       0.0       0.0
```

```
TT =    1.8250          DTH =  0.0250          ITERR =   3
GU(1) =    29794.61     YU(1) =     1075.58  GU(N) =     3572.42  YU(N) =      900.82
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.825   29794.6   1075.58   1060.00   1049.92      1.00     150.0   29794.6   29794.6       0.0       0.0

TT =    1.8500          DTH =  0.0250          ITERR =   1
GU(1) =    29650.13     YU(1) =     1075.53  GU(N) =    13828.34  YU(N) =      902.02
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.850   29650.1   1075.53   1060.00   1049.91      1.00     150.0   29650.1   29650.1       0.0       0.0

TT =    1.8750          DTH =  0.0250          ITERR =   1
GU(1) =    29508.08     YU(1) =     1075.48  GU(N) =    23976.81  YU(N) =      902.75
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.875   29508.1   1075.48   1060.00   1049.90      1.00     150.0   29508.1   29508.1       0.0       0.0

TT =    1.9000          DTH =  0.0250          ITERR =   0
GU(1) =    29368.85     YU(1) =     1075.44  GU(N) =    29736.79  YU(N) =      903.14
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.900   29368.9   1075.44   1060.00   1049.89      1.00     150.0   29368.9   29368.9       0.0       0.0
```

```
TT =    1.9250          DTH =  0.0250          ITERR =   0
GU(1) =   29232.32     YU(1) =    1075.39  GU(N) =   33110.71  YU(N) =     903.35
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.925   29232.3   1075.39   1060.00   1049.89      1.00     150.0   29232.3   29232.3       0.0       0.0


TT =    1.9500          DTH =  0.0250          ITERR =   0
GU(1) =   29098.52     YU(1) =    1075.34  GU(N) =   34973.02  YU(N) =     903.47
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.950   29098.5   1075.34   1060.00   1049.88      1.00     150.0   29098.5   29098.5       0.0       0.0


TT =    1.9750          DTH =  0.0250          ITERR =   0
GU(1) =   28967.10     YU(1) =    1075.30  GU(N) =   36041.69  YU(N) =     903.54
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.975   28967.1   1075.30   1060.00   1049.87      1.00     150.0   28967.1   28967.1       0.0       0.0


TT =    2.0000          DTH =  0.0250          ITERR =   0
GU(1) =   28838.40     YU(1) =    1075.26  GU(N) =   36610.20  YU(N) =     903.58
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.000   28838.4   1075.26   1060.00   1049.87      1.00     150.0   28838.4   28838.4       0.0       0.0
```

```
TT =    2.0250          DTH =  0.0250          ITERR =    0
GU(1) =    28711.67     YU(1) =     1075.21  GU(N) =    36891.47  YU(N) =      903.60
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.025   28711.7   1075.21   1060.00   1049.86      1.00     150.0   28711.7   28711.7       0.0       0.0

TT =    2.0500          DTH =  0.0250          ITERR =    0
GU(1) =    28586.18     YU(1) =     1075.17  GU(N) =    36993.61  YU(N) =      903.61
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.050   28586.2   1075.17   1060.00   1049.85      1.00     150.0   28586.2   28586.2       0.0       0.0

TT =    2.0750          DTH =  0.0250          ITERR =    0
GU(1) =    28461.61     YU(1) =     1075.13  GU(N) =    36982.20  YU(N) =      903.61
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.075   28461.6   1075.13   1060.00   1049.85      1.00     150.0   28461.6   28461.6       0.0       0.0

TT =    2.1000          DTH =  0.0250          ITERR =    0
GU(1) =    28338.30     YU(1) =     1075.08  GU(N) =    36900.91  YU(N) =      903.61
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.100   28338.3   1075.08   1060.00   1049.84      1.00     150.0   28338.3   28338.3       0.0       0.0
```

```
TT =   2.1252          DTH =  0.0253          ITERR =   0
GU(1) =   28215.03     YU(1) =    1075.04  GU(N) =   36772.57  YU(N) =     903.60
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.125   28215.0   1075.04   1060.00   1049.83      1.00     150.0   28215.0   28215.0       0.0       0.0

TT =   2.1508          DTH =  0.0255          ITERR =   0
GU(1) =   28091.62     YU(1) =    1075.00  GU(N) =   36612.97  YU(N) =     903.60
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.151   28091.6   1075.00   1060.00   1049.83      1.00     150.0   28091.6   28091.6       0.0       0.0

TT =   2.1765          DTH =  0.0258          ITERR =   0
GU(1) =   27968.44     YU(1) =    1074.95  GU(N) =   36432.14  YU(N) =     903.59
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.177   27968.4   1074.95   1060.00   1049.82      1.00     150.0   27968.4   27968.4       0.0       0.0

TT =   2.2025          DTH =  0.0260          ITERR =   0
GU(1) =   27845.13     YU(1) =    1074.91  GU(N) =   36235.74  YU(N) =     903.58
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.203   27845.1   1074.91   1060.00   1049.81      1.00     150.0   27845.1   27845.1       0.0       0.0
```

```
TT =    2.2288          DTH =   0.0263          ITERR =    0
QU(1) =    27722.04     YU(1) =     1074.87  GU(N) =    36031.23  YU(N) =      903.57
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.229    27722.0   1074.87   1060.00   1049.80      1.00     150.0   27722.0   27722.0       0.0       0.0

TT =    2.2553          DTH =   0.0265          ITERR =    0
QU(1) =    27598.83     YU(1) =     1074.83  GU(N) =    35819.54  YU(N) =      903.56
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.255    27598.8   1074.83   1060.00   1049.80      1.00     150.0   27598.8   27598.8       0.0       0.0

TT =    2.2821          DTH =   0.0268          ITERR =    0
QU(1) =    27475.84     YU(1) =     1074.78  GU(N) =    35603.40  YU(N) =      903.55
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.282    27475.8   1074.78   1060.00   1049.79      1.00     150.0   27475.8   27475.8       0.0       0.0

TT =    2.3092          DTH =   0.0271          ITERR =    0
QU(1) =    27353.08     YU(1) =     1074.74  GU(N) =    35384.09  YU(N) =      903.54
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.309    27353.1   1074.74   1060.00   1049.78      1.00     150.0   27353.1   27353.1       0.0       0.0
```

```
TT =    2.3366          DTH =   0.0273          ITERR =    0
QU(1) =    27230.20     YU(1) =     1074.70  QU(N) =    35163.81  YU(N) =      903.53
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.337   27230.2   1074.70   1060.00   1049.78      1.00     150.0   27230.2   27230.2       0.0       0.0

TT =    2.3642          DTH =   0.0276          ITERR =    0
QU(1) =    27107.55     YU(1) =     1074.65  QU(N) =    34942.03  YU(N) =      903.52
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.364   27107.6   1074.65   1060.00   1049.77      1.00     150.0   27107.6   27107.6       0.0       0.0

TT =    2.3921          DTH =   0.0279          ITERR =    0
QU(1) =    26985.14     YU(1) =     1074.61  QU(N) =    34719.71  YU(N) =      903.51
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.392   26985.1   1074.61   1060.00   1049.76      1.00     150.0   26985.1   26985.1       0.0       0.0

TT =    2.4202          DTH =   0.0282          ITERR =    0
QU(1) =    26862.95     YU(1) =     1074.57  QU(N) =    34496.84  YU(N) =      903.50
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.420   26863.0   1074.57   1060.00   1049.76      1.00     150.0   26863.0   26863.0       0.0       0.0
```

```
TT =    2.4487          DTH =  0.0285          ITERR =    0
GU(1) =    26741.35     YU(1) =    1074.52  GU(N) =    34274.66  YU(N) =      903.49
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.449    26741.3   1074.52   1060.00   1049.75      1.00     150.0   26741.3   26741.3       0.0       0.0


TT =    2.4774          DTH =  0.0287          ITERR =    0
GU(1) =    26419.97     YU(1) =    1074.48  GU(N) =    34052.40  YU(N) =      903.48
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.477   26620.0   1074.48   1060.00   1049.74      1.00     150.0   26620.0   26620.0       0.0       0.0


TT =    2.5064          DTH =  0.0290          ITERR =    0
GU(1) =    26498.77     YU(1) =    1074.44  GU(N) =    33830.20  YU(N) =      903.47
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.506   26498.8   1074.44   1060.00   1049.74      1.00     150.0   26498.8   26498.8       0.0       0.0


TT =    2.5358          DTH =  0.0293          ITERR =    0
GU(1) =    26377.47     YU(1) =    1074.40  GU(N) =    33608.99  YU(N) =      903.45
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.536   26377.5   1074.40   1060.00   1049.73      1.00     150.0   26377.5   26377.5       0.0       0.0
```

```
TT =   2.5654          DTH =  0.0296          ITERR =   0
GU(1) =   26256.15     YU(1) =    1074.35  GU(N) =   33389.20  YU(N) =     903.44
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     2.565   26256.1   1074.35   1060.00   1049.72      1.00     150.0   26256.1   26256.1       0.0       0.0


TT =   2.5953          DTH =  0.0299          ITERR =   0
GU(1) =   26134.35     YU(1) =    1074.31  GU(N) =   33170.38  YU(N) =     903.43
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     2.595   26134.4   1074.31   1060.00   1049.72      1.00     150.0   26134.4   26134.4       0.0       0.0


TT =   2.6255          DTH =  0.0302          ITERR =   0
GU(1) =   26012.43     YU(1) =    1074.27  GU(N) =   32951.82  YU(N) =     903.42
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     2.625   26012.4   1074.27   1060.00   1049.71      1.00     150.0   26012.4   26012.4       0.0       0.0


TT =   2.6560          DTH =  0.0305          ITERR =   0
GU(1) =   25890.40     YU(1) =    1074.22  GU(N) =   32734.76  YU(N) =     903.41
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     2.656   25890.4   1074.22   1060.00   1049.70      1.00     150.0   25890.4   25890.4       0.0       0.0
```

```
TT =    2.6868          DTH =  0.0308          ITERR =   0
GU(1) =    25768.25     YU(1) =     1074.18  GU(N) =    32519.79  YU(N) =      903.40
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.687    25768.2   1074.18   1060.00   1049.69      1.00    150.0   25768.2   25768.2       0.0       0.0

TT =    2.7179          DTH =  0.0311          ITERR =   0
GU(1) =    25645.98     YU(1) =     1074.13  GU(N) =    32305.09  YU(N) =      903.39
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.718    25646.0   1074.13   1060.00   1049.69      1.00    150.0   25646.0   25646.0       0.0       0.0

TT =    2.7493          DTH =  0.0314          ITERR =   0
GU(1) =    25523.26     YU(1) =     1074.09  GU(N) =    32092.89  YU(N) =      903.38
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.749    25523.3   1074.09   1060.00   1049.68      1.00    150.0   25523.3   25523.3       0.0       0.0

TT =    2.7811          DTH =  0.0317          ITERR =   0
GU(1) =    25400.43     YU(1) =     1074.05  GU(N) =    31881.72  YU(N) =      903.37
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.781    25400.4   1074.05   1060.00   1049.67      1.00    150.0   25400.4   25400.4       0.0       0.0
```

```
TT =    2.8131          DTH =  0.0321          ITERR =    0
QU(1) =    25277.49     YU(1) =    1074.00  QU(N) =    31671.00  YU(N) =      903.36
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.813    25277.5   1074.00   1060.00   1049.67      1.00     150.0   25277.5   25277.5       0.0       0.0

TT =    2.8455          DTH =  0.0324          ITERR =    0
QU(1) =    25154.45     YU(1) =    1073.96  QU(N) =    31463.04  YU(N) =      903.35
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.846    25154.5   1073.96   1060.00   1049.66      1.00     150.0   25154.5   25154.5       0.0       0.0

TT =    2.8782          DTH =  0.0327          ITERR =    0
QU(1) =    25031.65     YU(1) =    1073.91  QU(N) =    31255.52  YU(N) =      903.34
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.878    25031.6   1073.91   1060.00   1049.65      1.00     150.0   25031.6   25031.6       0.0       0.0

TT =    2.9113          DTH =  0.0330          ITERR =    0
QU(1) =    24908.74     YU(1) =    1073.87  QU(N) =    31050.44  YU(N) =      903.33
FRDM=    0.78  IIFR=    78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.911    24908.7   1073.87   1060.00   1049.64      1.00     150.0   24908.7   24908.7       0.0       0.0
```

```
TT =    2.9446          DTH =  0.0334          ITERR =    0
GU(1) =    24785.74     YU(1) =     1073.82  GU(N) =    30846.70  YU(N) =      903.32
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.943    24785.7   1073.82   1060.00   1049.64      1.00     150.0   24785.7   24785.7       0.0       0.0

TT =    2.9783          DTH =  0.0337          ITERR =    0
GU(1) =    24662.64     YU(1) =     1073.78  GU(N) =    30644.78  YU(N) =      903.31
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.978    24662.6   1073.78   1060.00   1049.63      1.00     150.0   24662.6   24662.6       0.0       0.0

TT =    3.0123          DTH =  0.0340          ITERR =    0
GU(1) =    24539.88     YU(1) =     1073.73  GU(N) =    30445.71  YU(N) =      903.30
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.012    24539.9   1073.73   1060.00   1049.62      1.00     150.0   24539.9   24539.9       0.0       0.0

TT =    3.0467          DTH =  0.0344          ITERR =    0
GU(1) =    24417.28     YU(1) =     1073.69  GU(N) =    30247.55  YU(N) =      903.28
FRDM=     0.78  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.047    24417.3   1073.69   1060.00   1049.62      1.00     150.0   24417.3   24417.3       0.0       0.0
```

```
TT =   3.0814          DTH =  0.0347          ITERR =   0
GU(1) =   24295.42     YU(1) =    1073.64  GU(N) =   30052.48  YU(N) =     903.27
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.081   24295.4   1073.64   1060.00   1049.61      1.00     150.0   24295.4   24295.4       0.0       0.0

TT =   3.1165          DTH =  0.0351          ITERR =   0
GU(1) =   24174.16     YU(1) =    1073.60  GU(N) =   29858.16  YU(N) =     903.26
FRDM=    0.78  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.117   24174.2   1073.60   1060.00   1049.60      1.00     150.0   24174.2   24174.2       0.0       0.0

TT =   3.1519          DTH =  0.0354          ITERR =   0
GU(1) =   24053.49     YU(1) =    1073.56  GU(N) =   29667.02  YU(N) =     903.25
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.152   24053.5   1073.56   1060.00   1049.59      1.00     150.0   24053.5   24053.5       0.0       0.0

TT =   3.1877          DTH =  0.0358          ITERR =   0
GU(1) =   23933.42     YU(1) =    1073.51  GU(N) =   29476.38  YU(N) =     903.24
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.188   23933.4   1073.51   1060.00   1049.59      1.00     150.0   23933.4   23933.4       0.0       0.0
```

```
TT =   3.2238          DTH =  0.0361          ITERR =   0
QU(1) =   23814.27     YU(1) =    1073.47  QU(N) =   29289.13  YU(N) =     903.23
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.224   23814.3   1073.47   1060.00   1049.58      1.00     150.0   23814.3   23814.3       0.0       0.0

TT =   3.2603          DTH =  0.0365          ITERR =   0
QU(1) =   23695.70     YU(1) =    1073.42  QU(N) =   29102.73  YU(N) =     903.22
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.260   23695.7   1073.42   1060.00   1049.57      1.00     150.0   23695.7   23695.7       0.0       0.0

TT =   3.2972          DTH =  0.0369          ITERR =   0
QU(1) =   23578.06     YU(1) =    1073.38  QU(N) =   28919.45  YU(N) =     903.21
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.297   23578.1   1073.38   1060.00   1049.56      1.00     150.0   23578.1   23578.1       0.0       0.0

TT =   3.3344          DTH =  0.0372          ITERR =   0
QU(1) =   23461.34     YU(1) =    1073.34  QU(N) =   28737.29  YU(N) =     903.20
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.334   23461.3   1073.34   1060.00   1049.55      1.00     150.0   23461.3   23461.3       0.0       0.0
```

```
TT =   3.3720          DTH =  0.0376          ITERR =   0
QU(1) =   23345.19     YU(1) =    1073.29  QU(N) =   28556.14  YU(N) =     903.19
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.372   23345.2   1073.29   1060.00   1049.55      1.00     150.0   23345.2   23345.2       0.0       0.0

TT =   3.4099          DTH =  0.0380          ITERR =   0
QU(1) =   23230.29     YU(1) =    1073.25  QU(N) =   28377.69  YU(N) =     903.19
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.410   23230.3   1073.25   1060.00   1049.54      1.00     150.0   23230.3   23230.3       0.0       0.0

TT =   3.4483          DTH =  0.0383          ITERR =   0
QU(1) =   23116.30     YU(1) =    1073.21  QU(N) =   28199.17  YU(N) =     903.18
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.448   23116.3   1073.21   1060.00   1049.53      1.00     150.0   23116.3   23116.3       0.0       0.0

TT =   3.4870          DTH =  0.0387          ITERR =   0
QU(1) =   23003.22     YU(1) =    1073.17  QU(N) =   28023.29  YU(N) =     903.17
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.487   23003.2   1073.17   1060.00   1049.52      1.00     150.0   23003.2   23003.2       0.0       0.0
```

```
TT =   3.5261          DTH =  0.0391          ITERR =   0
QU(1) =   22891.48     YU(1) =     1073.13  QU(N) =   27847.97  YU(N) =     903.16
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.526   22891.5   1073.13   1060.00   1049.52      1.00     150.0   22891.5   22891.5       0.0       0.0

TT =   3.5657          DTH =  0.0395          ITERR =   0
QU(1) =   22781.16     YU(1) =     1073.08  QU(N) =   27674.22  YU(N) =     903.15
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.566   22781.2   1073.08   1060.00   1049.51      1.00     150.0   22781.2   22781.2       0.0       0.0

TT =   3.6056          DTH =  0.0399          ITERR =   0
QU(1) =   22672.46     YU(1) =     1073.04  QU(N) =   27500.84  YU(N) =     903.14
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.606   22672.5   1073.04   1060.00   1049.50      1.00     150.0   22672.5   22672.5       0.0       0.0

TT =   3.6459          DTH =  0.0403          ITERR =   0
QU(1) =   22565.31     YU(1) =     1073.00  QU(N) =   27328.39  YU(N) =     903.13
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.646   22565.3   1073.00   1060.00   1049.49      1.00     150.0   22565.3   22565.3       0.0       0.0
```

```
TT =   3.6866          DTH =  0.0407          ITERR =   0
GU(1) =   22459.70     YU(1) =    1072.96  GU(N) =   27156.70  YU(N) =     903.12
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.687   22459.7   1072.96   1060.00   1049.49      1.00     150.0   22459.7   22459.7       0.0       0.0

TT =   3.7277          DTH =  0.0411          ITERR =   0
GU(1) =   22355.95     YU(1) =    1072.92  GU(N) =   26986.10  YU(N) =     903.11
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.728   22356.0   1072.92   1060.00   1049.48      1.00     150.0   22356.0   22356.0       0.0       0.0

TT =   3.7692          DTH =  0.0415          ITERR =   0
GU(1) =   22253.74     YU(1) =    1072.89  GU(N) =   26815.83  YU(N) =     903.10
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.769   22253.7   1072.89   1060.00   1049.47      1.00     150.0   22253.7   22253.7       0.0       0.0

TT =   3.8112          DTH =  0.0419          ITERR =   0
GU(1) =   22153.38     YU(1) =    1072.85  GU(N) =   26647.03  YU(N) =     903.09
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.811   22153.4   1072.85   1060.00   1049.47      1.00     150.0   22153.4   22153.4       0.0       0.0
```

```
TT =    3.8535          DTH =  0.0424          ITERR =   0
GU(1) =    22054.87     YU(1) =    1072.81  GU(N) =    26478.15  YU(N) =      903.08
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.854   22054.9   1072.81   1060.00   1049.46      1.00     150.0   22054.9   22054.9       0.0       0.0

TT =    3.8963          DTH =  0.0428          ITERR =   0
GU(1) =    21958.51     YU(1) =    1072.77  GU(N) =    26310.75  YU(N) =      903.07
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.896   21958.5   1072.77   1060.00   1049.45      1.00     150.0   21958.5   21958.5       0.0       0.0

TT =    3.9395          DTH =  0.0432          ITERR =   0
GU(1) =    21863.97     YU(1) =    1072.74  GU(N) =    26143.33  YU(N) =      903.06
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.940   21864.0   1072.74   1060.00   1049.45      1.00     150.0   21864.0   21864.0       0.0       0.0

TT =    3.9832          DTH =  0.0436          ITERR =   0
GU(1) =    21771.57     YU(1) =    1072.70  GU(N) =    25976.80  YU(N) =      903.05
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.983   21771.6   1072.70   1060.00   1049.44      1.00     150.0   21771.6   21771.6       0.0       0.0
```

```
TT =    4.0272          DTH =  0.0441          ITERR =    0
GU(1) =    21682.16     YU(1) =     1072.67  GU(N) =    25810.33  YU(N) =      903.04
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.027    21682.2   1072.67   1060.00   1049.43      1.00     150.0   21682.2   21682.2       0.0       0.0

TT =    4.0718          DTH =  0.0445          ITERR =    0
GU(1) =    21597.28     YU(1) =     1072.64  GU(N) =    25644.59  YU(N) =      903.03
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.072    21597.3   1072.64   1060.00   1049.43      1.00     150.0   21597.3   21597.3       0.0       0.0

TT =    4.1167          DTH =  0.0450          ITERR =    0
GU(1) =    21517.67     YU(1) =     1072.61  GU(N) =    25479.06  YU(N) =      903.02
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.117    21517.7   1072.61   1060.00   1049.42      1.00     150.0   21517.7   21517.7       0.0       0.0

TT =    4.1622          DTH =  0.0454          ITERR =    0
GU(1) =    21443.40     YU(1) =     1072.58  GU(N) =    25314.08  YU(N) =      903.01
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.162    21443.4   1072.58   1060.00   1049.42      1.00     150.0   21443.4   21443.4       0.0       0.0
```

```
TT =    4.2080          DTH =  0.0459          ITERR =    0
GU(1) =   21374.46     YU(1) =     1072.55  GU(N) =   25150.55  YU(N) =      903.00
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     4.208    21374.5   1072.55   1060.00   1049.41      1.00     150.0   21374.5   21374.5       0.0       0.0

TT =    4.2544          DTH =  0.0463          ITERR =    0
GU(1) =   21311.13     YU(1) =     1072.53  GU(N) =   24987.82  YU(N) =      902.99
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     4.254    21311.1   1072.53   1060.00   1049.41      1.00     150.0   21311.1   21311.1       0.0       0.0

TT =    4.3012          DTH =  0.0468          ITERR =    0
GU(1) =   21253.38     YU(1) =     1072.50  GU(N) =   24825.68  YU(N) =      902.98
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     4.301    21253.4   1072.50   1060.00   1049.40      1.00     150.0   21253.4   21253.4       0.0       0.0

TT =    4.3484          DTH =  0.0473          ITERR =    0
GU(1) =   21201.22     YU(1) =     1072.48  GU(N) =   24664.24  YU(N) =      902.97
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     4.348    21201.2   1072.48   1060.00   1049.40      1.00     150.0   21201.2   21201.2       0.0       0.0
```

```
TT =    4.3961          DTH =  0.0477          ITERR =    0
GU(1) =    21154.92     YU(1) =     1072.47  GU(N) =    24504.75  YU(N) =      902.96
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.396    21154.9   1072.47   1060.00   1049.39      1.00     150.0   21154.9   21154.9       0.0       0.0

TT =    4.4444          DTH =  0.0482          ITERR =    0
GU(1) =    21114.47     YU(1) =     1072.45  GU(N) =    24345.75  YU(N) =      902.96
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.444    21114.5   1072.45   1060.00   1049.39      1.00     150.0   21114.5   21114.5       0.0       0.0

TT =    4.4931          DTH =  0.0487          ITERR =    0
GU(1) =    21079.85     YU(1) =     1072.44  GU(N) =    24188.17  YU(N) =      902.95
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.493    21079.9   1072.44   1060.00   1049.39      1.00     150.0   21079.9   21079.9       0.0       0.0

TT =    4.5422          DTH =  0.0492          ITERR =    0
GU(1) =    21050.28     YU(1) =     1072.43  GU(N) =    24031.57  YU(N) =      902.94
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.542    21050.3   1072.43   1060.00   1049.39      1.00     150.0   21050.3   21050.3       0.0       0.0
```

```
TT =    4.5919          DTH =  0.0497          ITERR =   0
QU(1) =   21024.59     YU(1) =    1072.42  QU(N) =   23875.86  YU(N) =     902.93
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.592   21024.6   1072.42   1060.00   1049.38      1.00     150.0   21024.6   21024.6       0.0       0.0

TT =    4.6421          DTH =  0.0502          ITERR =   0
QU(1) =   21002.57     YU(1) =    1072.41  QU(N) =   23722.76  YU(N) =     902.92
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.642   21002.6   1072.41   1060.00   1049.38      1.00     150.0   21002.6   21002.6       0.0       0.0

TT =    4.6927          DTH =  0.0507          ITERR =   0
QU(1) =   20984.08     YU(1) =    1072.40  QU(N) =   23570.23  YU(N) =     902.91
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.693   20984.1   1072.40   1060.00   1049.38      1.00     150.0   20984.1   20984.1       0.0       0.0

TT =    4.7439          DTH =  0.0512          ITERR =   0
QU(1) =   20969.43     YU(1) =    1072.40  QU(N) =   23418.91  YU(N) =     902.90
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.744   20969.4   1072.40   1060.00   1049.38      1.00     150.0   20969.4   20969.4       0.0       0.0
```

```
TT =    4.7956          DTH =   0.0517          ITERR =    0
GU(1) =    20958.30     YU(1) =     1072.39  GU(N) =    23269.11  YU(N) =      902.89
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     4.796   20958.3   1072.39   1060.00   1049.38      1.00     150.0   20958.3   20958.3       0.0       0.0

TT =    4.8478          DTH =   0.0522          ITERR =    0
GU(1) =    20951.00     YU(1) =     1072.39  GU(N) =    23122.28  YU(N) =      902.88
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     4.848   20951.0   1072.39   1060.00   1049.38      1.00     150.0   20951.0   20951.0       0.0       0.0

TT =    4.9005          DTH =   0.0527          ITERR =    0
GU(1) =    20947.52     YU(1) =     1072.39  GU(N) =    22976.98  YU(N) =      902.87
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     4.901   20947.5   1072.39   1060.00   1049.38      1.00     150.0   20947.5   20947.5       0.0       0.0

TT =    4.9538          DTH =   0.0533          ITERR =    0
GU(1) =    20947.86     YU(1) =     1072.39  GU(N) =    22833.45  YU(N) =      902.86
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     4.954   20947.9   1072.39   1060.00   1049.38      1.00     150.0   20947.9   20947.9       0.0       0.0
```

```
TT =    5.0076          DTH =  0.0538          ITERR =   0
GU(1) =   20950.96      YU(1) =    1072.39  GU(N) =   22693.53  YU(N) =     902.85
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     5.008   20951.0   1072.39   1060.00   1049.38      1.00     150.0   20951.0   20951.0       0.0       0.0

TT =    5.0619          DTH =  0.0543          ITERR =   0
GU(1) =   20949.35      YU(1) =    1072.39  GU(N) =   22555.66  YU(N) =     902.85
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     5.062   20949.3   1072.39   1060.00   1049.38      1.00     150.0   20949.3   20949.3       0.0       0.0

TT =    5.1168          DTH =  0.0549          ITERR =   0
GU(1) =   20936.38      YU(1) =    1072.38  GU(N) =   22421.29  YU(N) =     902.84
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
I    0     5.117   20936.4   1072.38   1060.00   1049.38      1.00     150.0   20936.4   20936.4       0.0       0.0

TT =    5.1722          DTH =  0.0554          ITERR =   0
GU(1) =   20911.95      YU(1) =    1072.37  GU(N) =   22290.24  YU(N) =     902.83
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     5.172   20911.9   1072.37   1060.00   1049.38      1.00     150.0   20911.9   20911.9       0.0       0.0
```

```
TT =    5.2282          DTH =  0.0560          ITERR =   0
GU(1) =   20876.04     YU(1) =    1072.36  GU(N) =   22162.09  YU(N) =      902.82
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.228   20876.0   1072.36   1060.00   1049.37      1.00     150.0   20876.0   20876.0       0.0       0.0

TT =    5.2847          DTH =  0.0565          ITERR =   0
GU(1) =   20828.36     YU(1) =    1072.34  GU(N) =   22038.73  YU(N) =      902.81
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.285   20828.4   1072.34   1060.00   1049.37      1.00     150.0   20828.4   20828.4       0.0       0.0

TT =    5.3418          DTH =  0.0571          ITERR =   0
GU(1) =   20768.89     YU(1) =    1072.32  GU(N) =   21919.24  YU(N) =      902.81
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.342   20768.9   1072.32   1060.00   1049.37      1.00     150.0   20768.9   20768.9       0.0       0.0

TT =    5.3995          DTH =  0.0577          ITERR =   0
GU(1) =   20697.35     YU(1) =    1072.29  GU(N) =   21805.86  YU(N) =      902.80
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.399   20697.3   1072.29   1060.00   1049.36      1.00     150.0   20697.3   20697.3       0.0       0.0
```

```
TT =    5.4577          DTH =  0.0582          ITERR =    0
GU(1) =    20613.73     YU(1) =     1072.26  GU(N) =    21696.43  YU(N) =      902.79
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.458   20613.7   1072.26   1060.00   1049.36      1.00     150.0   20613.7   20613.7       0.0       0.0

TT =    5.5165          DTH =  0.0588          ITERR =    0
GU(1) =    20517.22     YU(1) =     1072.22  GU(N) =    21594.27  YU(N) =      902.78
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.517   20517.2   1072.22   1060.00   1049.35      1.00     150.0   20517.2   20517.2       0.0       0.0

TT =    5.5760          DTH =  0.0594          ITERR =    0
GU(1) =    20405.75     YU(1) =     1072.18  GU(N) =    21499.03  YU(N) =      902.78
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.576   20405.7   1072.18   1060.00   1049.34      1.00     150.0   20405.7   20405.7       0.0       0.0

TT =    5.6360          DTH =  0.0600          ITERR =    0
GU(1) =    20277.66     YU(1) =     1072.13  GU(N) =    21411.56  YU(N) =      902.77
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.636   20277.7   1072.13   1060.00   1049.33      1.00     150.0   20277.7   20277.7       0.0       0.0
```

```
TT =    5.6966          DTH =  0.0606          ITERR =    0
GU(1) =   20132.24     YU(1) =    1072.07  GU(N) =   21332.86  YU(N) =     902.77
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.697   20132.2   1072.07   1060.00   1049.32      1.00     150.0   20132.2   20132.2       0.0       0.0

TT =    5.7578          DTH =  0.0612          ITERR =    0
GU(1) =   19969.27     YU(1) =    1072.01  GU(N) =   21261.62  YU(N) =     902.76
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.758   19969.3   1072.01   1060.00   1049.31      1.00     150.0   19969.3   19969.3       0.0       0.0

TT =    5.8196          DTH =  0.0618          ITERR =    0
GU(1) =   19788.50     YU(1) =    1071.94  GU(N) =   21200.00  YU(N) =     902.76
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.820   19788.5   1071.94   1060.00   1049.30      1.00     150.0   19788.5   19788.5       0.0       0.0

TT =    5.8821          DTH =  0.0624          ITERR =    0
GU(1) =   19589.10     YU(1) =    1071.86  GU(N) =   21144.83  YU(N) =     902.75
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.882   19589.1   1071.86   1060.00   1049.28      1.00     150.0   19589.1   19589.1       0.0       0.0
```

```
TT =    5.9451          DTH =  0.0631          ITERR =   0
QU(1) =   19370.57     YU(1) =    1071.77  QU(N) =   21099.63  YU(N) =     902.75
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.945   19370.6   1071.77   1060.00   1049.27      1.00     150.0   19370.6   19370.6       0.0       0.0

TT =    6.0088          DTH =  0.0637          ITERR =   0
QU(1) =   19133.06     YU(1) =    1071.68  QU(N) =   21060.56  YU(N) =     902.75
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.009   19133.1   1071.68   1060.00   1049.25      1.00     150.0   19133.1   19133.1       0.0       0.0

TT =    6.0732          DTH =  0.0643          ITERR =   0
QU(1) =   18880.45     YU(1) =    1071.57  QU(N) =   21029.29  YU(N) =     902.75
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.073   18880.4   1071.57   1060.00   1049.23      1.00     150.0   18880.4   18880.4       0.0       0.0

TT =    6.1382          DTH =  0.0650          ITERR =   0
QU(1) =   18616.26     YU(1) =    1071.47  QU(N) =   21004.13  YU(N) =     902.75
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.138   18616.3   1071.47   1060.00   1049.21      1.00     150.0   18616.3   18616.3       0.0       0.0
```

```
TT =    6.2038          DTH =  0.0656          ITERR =    0
GU(1) =    18339.75     YU(1) =     1071.36  GU(N) =    20983.43  YU(N) =      902.74
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.204    18339.7   1071.36   1060.00   1049.19      1.00     150.0   18339.7   18339.7       0.0       0.0

TT =    6.2701          DTH =  0.0663          ITERR =    0
GU(1) =    18050.46     YU(1) =     1071.24  GU(N) =    20967.46  YU(N) =      902.74
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.270    18050.5   1071.24   1060.00   1049.17      1.00     150.0   18050.5   18050.5       0.0       0.0

TT =    6.3370          DTH =  0.0670          ITERR =    0
GU(1) =    17747.94     YU(1) =     1071.12  GU(N) =    20952.66  YU(N) =      902.74
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.337    17747.9   1071.12   1060.00   1049.14      1.00     150.0   17747.9   17747.9       0.0       0.0

TT =    6.4047          DTH =  0.0676          ITERR =    0
GU(1) =    17431.45     YU(1) =     1070.99  GU(N) =    20937.68  YU(N) =      902.74
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.405    17431.5   1070.99   1060.00   1049.12      1.00     150.0   17431.5   17431.5       0.0       0.0
```

```
TT =    6.4729          DTH =  0.0683          ITERR =   0
GU(1) =   17099.99     YU(1) =     1070.85  GU(N) =   20918.31  YU(N) =     902.74
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.473   17100.0   1070.85   1060.00   1049.09      1.00     150.0   17100.0   17100.0       0.0       0.0

TT =    6.5419          DTH =  0.0690          ITERR =   0
GU(1) =   16755.31     YU(1) =     1070.70  GU(N) =   20891.59  YU(N) =     902.74
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.542   16755.3   1070.70   1060.00   1049.06      1.00     150.0   16755.3   16755.3       0.0       0.0

TT =    6.6116          DTH =  0.0697          ITERR =   0
GU(1) =   16400.42     YU(1) =     1070.56  GU(N) =   20854.09  YU(N) =     902.74
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.612   16400.4   1070.56   1060.00   1049.03      1.00     150.0   16400.4   16400.4       0.0       0.0

TT =    6.6820          DTH =  0.0704          ITERR =   0
GU(1) =   16036.29     YU(1) =     1070.40  GU(N) =   20803.17  YU(N) =     902.73
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.682   16036.3   1070.40   1060.00   1049.00      1.00     150.0   16036.3   16036.3       0.0       0.0
```

```
TT =    6.7530          DTH =  0.0711          ITERR =    0
GU(1) =    15662.37     YU(1) =     1070.24  GU(N) =    20736.37  YU(N) =      902.73
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.753    15662.4   1070.24   1060.00   1048.97      1.00     150.0   15662.4   15662.4       0.0       0.0

TT =    6.8248          DTH =  0.0718          ITERR =    0
GU(1) =    15277.96     YU(1) =     1070.08  GU(N) =    20652.42  YU(N) =      902.72
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.825    15278.0   1070.08   1060.00   1048.94      1.00     150.0   15278.0   15278.0       0.0       0.0

TT =    6.8973          DTH =  0.0725          ITERR =    0
GU(1) =    14881.80     YU(1) =     1069.90  GU(N) =    20550.59  YU(N) =      902.72
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.897    14881.8   1069.90   1060.00   1048.91      1.00     150.0   14881.8   14881.8       0.0       0.0

TT =    6.9705          DTH =  0.0732          ITERR =    0
GU(1) =    14472.64     YU(1) =     1069.73  GU(N) =    20429.47  YU(N) =      902.71
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.971    14472.6   1069.73   1060.00   1048.87      1.00     150.0   14472.6   14472.6       0.0       0.0
```

```
TT =    7.0445          DTH =  0.0740          ITERR =   0
GU(1) =   14050.21     YU(1) =    1069.54  GU(N) =   20286.74  YU(N) =     902.70
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.044   14050.2   1069.54   1060.00   1048.83      1.00     150.0   14050.2   14050.2       0.0       0.0

TT =    7.1192          DTH =  0.0747          ITERR =   1
GU(1) =   13612.47     YU(1) =    1069.34  GU(N) =   20125.03  YU(N) =     902.69
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.119   13612.5   1069.34   1060.00   1048.79      1.00     150.0   13612.5   13612.5       0.0       0.0

TT =    7.1946          DTH =  0.0754          ITERR =   1
GU(1) =   13160.47     YU(1) =    1069.14  GU(N) =   19939.52  YU(N) =     902.67
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.195   13160.5   1069.14   1060.00   1048.75      1.00     150.0   13160.5   13160.5       0.0       0.0

TT =    7.2708          DTH =  0.0762          ITERR =   1
GU(1) =   12692.29     YU(1) =    1068.92  GU(N) =   19733.51  YU(N) =     902.66
FRDM=     0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.271   12692.3   1068.92   1060.00   1048.71      1.00     150.0   12692.3   12692.3       0.0       0.0
```

```
TT =    7.3478          DTH =  0.0770          ITERR =    1
GU(1) =    12204.14     YU(1) =     1068.70  GU(N) =    19505.65  YU(N) =      902.65
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.348   12204.1   1068.70   1060.00   1048.66      1.00     150.0   12204.1   12204.1       0.0       0.0

TT =    7.4255          DTH =  0.0777          ITERR =    1
GU(1) =    11690.45     YU(1) =     1068.45  GU(N) =    19258.81  YU(N) =      902.63
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.426   11690.4   1068.45   1060.00   1048.61      1.00     150.0   11690.4   11690.4       0.0       0.0

TT =    7.5040          DTH =  0.0785          ITERR =    1
GU(1) =    11142.91     YU(1) =     1068.19  GU(N) =    18993.20  YU(N) =      902.61
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.504   11142.9   1068.19   1060.00   1048.55      1.00     150.0   11142.9   11142.9       0.0       0.0

TT =    7.5833          DTH =  0.0793          ITERR =    1
GU(1) =    10563.44     YU(1) =     1067.91  GU(N) =    18711.85  YU(N) =      902.59
FRDM=     0.79  IIFR=    78  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.583   10563.4   1067.91   1060.00   1048.49      1.00     150.0   10563.4   10563.4       0.0       0.0
```

```
TT =   7.6634          DTH =  0.0801          ITERR =   1
GU(1) =    9989.69     YU(1) =    1067.62  GU(N) =   18416.39  YU(N) =     902.57
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.663    9989.7   1067.62   1060.00   1048.43      1.00     150.0    9989.7    9989.7       0.0       0.0

TT =   7.7443          DTH =  0.0809          ITERR =   1
GU(1) =    9450.96     YU(1) =    1067.35  GU(N) =   18109.47  YU(N) =     902.55
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.744    9451.0   1067.35   1060.00   1048.37      1.00     150.0    9451.0    9451.0       0.0       0.0

TT =   7.8260          DTH =  0.0817          ITERR =   1
GU(1) =    8945.52     YU(1) =    1067.09  GU(N) =   17790.10  YU(N) =     902.52
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.826    8945.5   1067.09   1060.00   1048.31      1.00     150.0    8945.5    8945.5       0.0       0.0

TT =   7.9085          DTH =  0.0825          ITERR =   1
GU(1) =    8471.40     YU(1) =    1066.84  GU(N) =   17459.39  YU(N) =     902.50
FRDM=    0.79  IIFR=   78  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.908    8471.4   1066.84   1060.00   1048.25      1.00     150.0    8471.4    8471.4       0.0       0.0
```

```
TT =    7.9918          DTH =  0.0833          ITERR =    1
GU(1) =     8026.72     YU(1) =     1066.60  GU(N) =    17118.59  YU(N) =      902.48
FRDM=     0.79  IIFR=    78  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.992     8026.7   1066.60   1060.00   1048.19      1.00     150.0    8026.7    8026.7       0.0       0.0

TT =    8.0760          DTH =  0.0842          ITERR =    1
GU(1) =     7611.48     YU(1) =     1066.37  GU(N) =    16770.61  YU(N) =      902.45
FRDM=     0.79  IIFR=    78  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.076     7611.5   1066.37   1060.00   1048.14      1.00     150.0    7611.5    7611.5       0.0       0.0

TT =    8.1610          DTH =  0.0850          ITERR =    1
GU(1) =     7226.16     YU(1) =     1066.16  GU(N) =    16416.82  YU(N) =      902.42
FRDM=     0.79  IIFR=    78  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.161     7226.2   1066.16   1060.00   1048.09      1.00     150.0    7226.2    7226.2       0.0       0.0

TT =    8.2468          DTH =  0.0859          ITERR =    0
GU(1) =     6869.43     YU(1) =     1065.96  GU(N) =    16055.39  YU(N) =      902.39
FRDM=     0.79  IIFR=    78  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.247     6869.4   1065.96   1060.00   1048.04      1.00     150.0    6869.4    6869.4       0.0       0.0
```

```
TT =   8.3336          DTH =  0.0867          ITERR =   0
QU(1) =    6539.04     YU(1) =    1065.77  QU(N) =   15684.54  YU(N) =     902.37
FRDM=    0.79  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QDVTOP     QOTHR
1    0     8.334    6539.0   1065.77   1060.00   1047.99      1.00     150.0    6539.0    6539.0       0.0       0.0

TT =   8.4211          DTH =  0.0876          ITERR =   0
QU(1) =    6232.16     YU(1) =    1065.59  QU(N) =   15299.99  YU(N) =     902.33
FRDM=    0.79  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QDVTOP     QOTHR
1    0     8.421    6232.2   1065.59   1060.00   1047.94      1.00     150.0    6232.2    6232.2       0.0       0.0

TT =   8.5096          DTH =  0.0885          ITERR =   0
QU(1) =    5946.93     YU(1) =    1065.42  QU(N) =   14900.22  YU(N) =     902.30
FRDM=    0.79  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QDVTOP     QOTHR
1    0     8.510    5946.9   1065.42   1060.00   1047.90      1.00     150.0    5946.9    5946.9       0.0       0.0

TT =   8.5990          DTH =  0.0893          ITERR =   0
QU(1) =    5681.38     YU(1) =    1065.25  QU(N) =   14487.83  YU(N) =     902.27
FRDM=    0.79  IIFR=   78  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QDVTOP     QOTHR
1    0     8.599    5681.4   1065.25   1060.00   1047.86      1.00     150.0    5681.4    5681.4       0.0       0.0
```

```
TT =   8.6892          DTH =  0.0902          ITERR =   0
GU(1) =     5433.62     YU(1) =     1065.10  GU(N) =   14064.40  YU(N) =     902.23
FRDN=    0.79  IIFR=   78  FRM=0.02 IIFM=    1


RESERVOIR OUTFLOW INFORMATION
I    K       TT      G(I)       H2        YB         D       SUB       BB     GU(1)    GBRECH    GOVTOP     GOTHR
1    0     8.689    5433.6   1065.10   1060.00   1047.82     1.00    150.0    5433.6    5433.6       0.0       0.0


ROUTING COMPLETED.


KTIME=  213     ALLOWABLE KTIME= 699          TT=   8.8
```

PROFILE OF CRESTS AND TIMES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.000	1079.80	40888	0.000	0.74	0.00	0.00
0.379	1050.40	40888	0.525	3.75	0.00	0.00
0.474	1048.20	40489	0.550	3.62	0.00	0.00
0.569	1046.00	40233	0.600	3.50	0.00	0.00
0.663	1043.84	40123	0.625	3.33	0.00	0.00
0.758	1041.49	40015	0.675	3.45	0.00	0.00
0.853	1038.91	39917	0.700	3.34	0.00	0.00
0.947	1036.28	39837	0.725	3.34	0.00	0.00
1.042	1033.82	39766	0.750	3.08	0.00	0.00
1.136	1030.97	39718	0.775	3.53	0.00	0.00
1.157	1030.15	39707	0.800	3.53	0.00	0.00
1.178	1029.32	39710	0.800	3.54	0.00	0.00
1.199	1028.47	39705	0.800	3.58	0.00	0.00
1.220	1027.58	39687	0.825	3.72	0.00	0.00
1.241	1026.66	39677	0.825	3.87	0.00	0.00
1.262	1025.73	39674	0.825	4.00	0.00	0.00
1.283	1024.79	39665	0.825	4.11	0.00	0.00
1.304	1023.84	39647	0.850	4.22	0.00	0.00
1.326	1022.88	39646	0.850	4.31	0.00	0.00
1.347	1021.92	39644	0.850	4.40	0.00	0.00
1.368	1020.95	39635	0.850	4.48	0.00	0.00
1.389	1019.98	39618	0.875	4.55	0.00	0.00
1.410	1019.01	39617	0.875	4.62	0.00	0.00
1.431	1018.03	39616	0.875	4.68	0.00	0.00
1.452	1017.05	39608	0.875	4.73	0.00	0.00
1.473	1016.08	39590	0.900	4.73	0.00	0.00
1.494	1015.19	39580	0.900	4.58	0.00	0.00
1.515	1014.48	39572	0.900	4.07	0.00	0.00
1.547	1013.57	39539	0.925	4.04	0.00	0.00
1.578	1012.65	39520	0.925	4.01	0.00	0.00
1.610	1011.74	39494	0.950	3.99	0.00	0.00
1.641	1010.83	39466	0.950	3.96	0.00	0.00
1.673	1009.92	39446	0.975	3.93	0.00	0.00
1.705	1009.02	39412	0.975	3.91	0.00	0.00
1.736	1008.11	39398	0.975	3.88	0.00	0.00
1.768	1007.21	39360	1.000	3.86	0.00	0.00
1.799	1006.30	39350	1.000	3.84	0.00	0.00
1.831	1005.39	39320	1.025	3.83	0.00	0.00
1.862	1004.47	39306	1.025	3.84	0.00	0.00
1.894	1003.50	39287	1.050	3.96	0.00	0.00
1.923	1002.55	39267	1.050	3.89	0.00	0.00
1.952	1001.60	39259	1.050	3.83	0.00	0.00
1.981	1000.64	39232	1.075	3.75	0.00	0.00
2.011	999.68	39226	1.075	3.68	0.00	0.00
2.040	998.71	39209	1.100	3.59	0.00	0.00
2.069	997.74	39191	1.100	3.50	0.00	0.00
2.098	996.75	39178	1.100	3.41	0.00	0.00

2.127	995.75	39152	1.125	3.30	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
2.156	994.74	39159	1.125	3.18	0.00	0.00
2.186	993.71	39126	1.150	3.05	0.00	0.00
2.215	992.67	39113	1.150	2.87	0.00	0.00
2.244	991.50	39099	1.150	2.89	0.00	0.00
2.273	990.52	39067	1.200	2.39	0.00	0.00
2.349	988.55	39040	1.225	2.44	0.00	0.00
2.425	986.60	38946	1.250	2.44	0.00	0.00
2.500	984.59	38868	1.300	2.59	0.00	0.00
2.576	982.78	38779	1.325	2.37	0.00	0.00
2.652	980.44	38747	1.350	3.23	0.00	0.00
2.676	979.24	38749	1.350	3.29	0.00	0.00
2.699	978.03	38742	1.375	3.36	0.00	0.00
2.723	976.84	38745	1.375	3.43	0.00	0.00
2.746	975.65	38740	1.375	3.50	0.00	0.00
2.770	974.47	38730	1.400	3.58	0.00	0.00
2.794	973.30	38737	1.400	3.66	0.00	0.00
2.817	972.14	38704	1.400	3.74	0.00	0.00
2.841	971.00	38703	1.425	3.82	0.00	0.00
2.865	969.88	38703	1.425	3.90	0.00	0.00
2.888	968.79	38678	1.425	3.98	0.00	0.00
2.912	967.73	38661	1.450	4.05	0.00	0.00
2.935	966.73	38661	1.450	4.08	0.00	0.00
2.959	965.78	38642	1.450	4.12	0.00	0.00
2.983	964.87	38624	1.475	4.12	0.00	0.00
3.006	963.96	38664	1.450	4.09	0.00	0.00
3.030	962.82	38706	1.425	4.76	0.00	0.00
3.106	958.49	38574	1.525	4.67	0.00	0.00
3.182	954.03	38602	1.450	4.86	0.00	0.00
3.257	950.04	38514	1.575	4.37	0.00	0.00
3.333	945.29	38545	1.500	5.51	0.00	0.00
3.409	942.10	38359	1.625	3.27	0.00	0.00
3.414	942.00	38342	1.650	3.29	0.00	0.00
3.418	941.90	38330	1.650	3.30	0.00	0.00
3.423	941.81	38315	1.650	3.31	0.00	0.00
3.427	941.71	38300	1.650	3.31	0.00	0.00
3.432	941.61	38277	1.650	3.30	0.00	0.00
3.436	941.52	38246	1.650	3.29	0.00	0.00
3.441	941.42	38209	1.650	3.30	0.00	0.00
3.446	941.33	38187	1.675	3.32	0.00	0.00
3.450	941.23	38176	1.675	3.33	0.00	0.00
3.455	941.14	38163	1.675	3.34	0.00	0.00
3.459	941.04	38147	1.675	3.35	0.00	0.00
3.464	940.95	38129	1.675	3.36	0.00	0.00
3.468	940.86	38106	1.675	3.37	0.00	0.00
3.473	940.77	38080	1.700	3.37	0.00	0.00
3.477	940.67	38049	1.700	3.37	0.00	0.00
3.482	940.58	38023	1.700	3.37	0.00	0.00

3.487	940.49	38007	1.700	3.37	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
3.491	940.40	37990	1.700	3.36	0.00	0.00
3.496	940.31	37971	1.700	3.35	0.00	0.00
3.500	940.22	37950	1.700	3.36	0.00	0.00
3.505	940.13	37927	1.725	3.38	0.00	0.00
3.509	940.04	37902	1.725	3.39	0.00	0.00
3.514	939.95	37884	1.725	3.40	0.00	0.00
3.519	939.86	37865	1.725	3.41	0.00	0.00
3.523	939.77	37845	1.725	3.42	0.00	0.00
3.528	939.69	37823	1.725	3.42	0.00	0.00
3.532	939.60	37800	1.725	3.42	0.00	0.00
3.537	939.51	37784	1.750	3.43	0.00	0.00
3.541	939.43	37768	1.750	3.43	0.00	0.00
3.546	939.34	37751	1.750	3.42	0.00	0.00
3.551	939.26	37733	1.750	3.42	0.00	0.00
3.555	939.17	37713	1.750	3.41	0.00	0.00
3.560	939.09	37691	1.750	3.41	0.00	0.00
3.564	939.00	37668	1.750	3.42	0.00	0.00
3.569	938.92	37654	1.750	3.43	0.00	0.00
3.573	938.84	37642	1.775	3.44	0.00	0.00
3.578	938.76	37628	1.775	3.45	0.00	0.00
3.583	938.67	37613	1.775	3.46	0.00	0.00
3.587	938.59	37596	1.775	3.46	0.00	0.00
3.592	938.51	37578	1.775	3.47	0.00	0.00
3.596	938.43	37559	1.775	3.47	0.00	0.00
3.601	938.35	37538	1.775	3.47	0.00	0.00
3.605	938.27	37528	1.775	3.47	0.00	0.00
3.610	938.19	37519	1.775	3.47	0.00	0.00
3.614	938.11	37508	1.775	3.47	0.00	0.00
3.619	938.03	37496	1.775	3.46	0.00	0.00
3.624	937.96	37484	1.800	3.45	0.00	0.00
3.628	937.88	37471	1.800	3.44	0.00	0.00
3.633	937.80	37456	1.800	3.45	0.00	0.00
3.637	937.72	37441	1.800	3.46	0.00	0.00
3.642	937.64	37429	1.800	3.47	0.00	0.00
3.646	937.57	37423	1.800	3.47	0.00	0.00
3.651	937.49	37416	1.800	3.48	0.00	0.00
3.656	937.41	37408	1.800	3.48	0.00	0.00
3.660	937.33	37401	1.800	3.48	0.00	0.00
3.665	937.26	37392	1.800	3.48	0.00	0.00
3.669	937.18	37383	1.800	3.48	0.00	0.00
3.674	937.10	37374	1.800	3.48	0.00	0.00
3.678	937.02	37364	1.800	3.47	0.00	0.00
3.683	936.94	37353	1.800	3.47	0.00	0.00
3.688	936.86	37348	1.800	3.46	0.00	0.00
3.692	936.78	37345	1.825	3.44	0.00	0.00
3.697	936.70	37341	1.825	3.43	0.00	0.00
3.701	936.62	37337	1.825	3.43	0.00	0.00

3.706	936.54	37333	1.825	3.43	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 792+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
3.710	936.46	37329	1.825	3.44	0.00	0.00
3.715	936.38	37324	1.825	3.44	0.00	0.00
3.719	936.29	37319	1.825	3.44	0.00	0.00
3.724	936.21	37314	1.825	3.44	0.00	0.00
3.729	936.12	37309	1.825	3.44	0.00	0.00
3.733	936.03	37303	1.825	3.44	0.00	0.00
3.738	935.94	37297	1.825	3.45	0.00	0.00
3.742	935.84	37294	1.825	3.49	0.00	0.00
3.747	935.74	37294	1.825	3.54	0.00	0.00
3.751	935.64	37293	1.825	3.59	0.00	0.00
3.756	935.54	37293	1.825	3.65	0.00	0.00
3.761	935.43	37292	1.825	3.72	0.00	0.00
3.765	935.31	37291	1.825	3.80	0.00	0.00
3.770	935.19	37289	1.825	3.90	0.00	0.00
3.774	935.06	37288	1.825	4.01	0.00	0.00
3.779	934.91	37287	1.825	4.15	0.00	0.00
3.783	934.76	37286	1.825	4.32	0.00	0.00
3.788	934.58	37285	1.825	4.54	0.00	0.00
3.846	932.20	37264	1.850	4.52	0.00	0.00
3.904	929.82	37235	1.875	4.50	0.00	0.00
3.963	927.44	37224	1.875	4.47	0.00	0.00
4.021	925.06	37206	1.900	4.45	0.00	0.00
4.079	922.68	37178	1.925	4.42	0.00	0.00
4.137	920.30	37161	1.925	4.39	0.00	0.00
4.196	917.92	37142	1.950	4.36	0.00	0.00
4.254	915.54	37115	1.975	4.33	0.00	0.00
4.312	913.16	37097	2.000	4.30	0.00	0.00
4.370	910.77	37079	2.000	4.26	0.00	0.00
4.429	908.39	37054	2.025	4.22	0.00	0.00
4.487	906.00	37026	2.050	4.17	0.00	0.00
4.545	903.61	36993	2.075	4.17	0.00	0.00

XXXXXXXXXX 7777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777777 XXXXXXXXXX

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#1 MCFCD

ON

STN. 662+00PIPING

ANALYSIS BY

DAMES & MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE

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***                         ***
***  SUMMARY OF INPUT DATA  ***
***                         ***
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INPUT CONTROL PARAMETERS FOR FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	17
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#1 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
**********	**********

1950.0	1089.00
1760.0	1086.00
1580.0	1084.00

1145.0	1079.80
760.0	1076.00
120.0	1068.00
0.1	1060.00

DAM NUMBER 1

FRS#1 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1079.80
SIDE SLOPE OF BREACH		Z	0.50
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1060.00
WIDTH OF BASE OF BREACH	FEET	BB	250.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1079.80
ELEVATION OF TOP OF DAM	FEET	HD	1089.50
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1079.80
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	2160.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	-1063.00
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 8.7500 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#1 MCFCD
****

287.00	2797.00	9367.00	13989.00	15180.00	15347.00	16054.00	17046.00
19693.00	21180.00	16936.00	11460.00	8251.00	6530.00	5445.00	4678.00
3845.00							

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	2.0000	2.5000	3.0000	3.5000	4.0000
4.5000	5.0000	5.5000	6.0000	6.5000	7.0000	7.5000	8.0000
8.7500							

CROSS-SECTIONAL PARAMETERS FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	18
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LG	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1062.0	1062.2	1063.0	1064.0	1065.0	1089.5
BS ...	0.0	30.0	500.0	1000.0	2000.0	3000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTG(I) = 0.00

HS ...	1052.0	1052.5	1055.0	1060.0	1065.0	1070.0
BS ...	0.0	30.0	3600.0	4900.0	6400.0	8300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTG(I) = 0.00

HS ...	1034.0	1034.5	1035.0	1040.0	1050.0	1060.0
BS ...	0.0	30.0	5600.0	7300.0	8800.0	11400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTG(I) = 0.00

HS ...	1018.0	1018.5	1020.0	1025.0	1030.0	1040.0
BS ...	0.0	30.0	4000.0	6400.0	9300.0	11800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

BSS ... 0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.515 FSTG(I) = 0.00

HS ...	1001.0	1000.5	1005.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	6000.0	8500.0	12100.0	15300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.894 FSTG(I) = 0.00

HS ...	987.0	987.5	990.0	995.0	1000.0	1010.0
BS ...	0.0	30.0	6000.0	8800.0	10660.0	13700.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.273 FSTG(I) = 0.00

HS ...	972.0	972.5	975.0	980.0	985.0	990.0
BS ...	0.0	30.0	5400.0	8400.0	11100.0	13300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.652 FSTG(I) = 0.00

HS ...	957.0	957.5	965.0	970.0	975.0	980.0
BS ...	0.0	30.0	7000.0	10000.0	13200.0	16400.0
BSS	0.0	0.0	0.0	0.0	0.0	0.0

BSS ... 0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	947.0	947.5	950.0	955.0	960.0	965.0
BS ...	0.0	30.0	7500.0	10800.0	14400.0	16400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 3.409 FSTG(I) = 0.00

HS ...	929.0	929.5	930.0	935.0	940.0	945.0
BS ...	0.0	30.0	4400.0	7600.0	10900.0	13900.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 3.788 FSTG(I) = 0.00

HS ...	916.0	916.5	920.0	925.0	930.0	935.0
BS ...	0.0	30.0	6000.0	11500.0	15400.0	19400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 4.167 FSTG(I) = 0.00

HS ...	902.0	902.5	905.0	910.0	915.0	920.0
BS ...	0.0	30.0	3000.0	10400.0	14700.0	17800.0
BSS	0.0	0.0	0.0	0.0	0.0	0.0

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AT REACH=    5  DXM WAS CHANGED TO 0.118  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    6  DXM WAS CHANGED TO 0.117  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   15  DXM WAS CHANGED TO 0.096  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   16  DXM WAS CHANGED TO 0.093  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.085  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000   0.076   0.122   0.054   0.118   0.117   0.063   0.095   0.025   0.022   0.095   0.022   0.004   0.042   0.096
  0.093   0.085

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =    193     (MAXIMUM ALLOWABLE =    200
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***                           ***
***  SUMMARY OF OUTPUT DATA   ***
***                           ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1062.00				
2	0.38	1052.00	1	0.38	26.39	
3	0.76	1034.00	2	0.38	47.49	
4	1.14	1018.00	3	0.38	42.33	
5	1.51	1001.00	4	0.38	44.85	
6	1.89	987.00	5	0.38	36.94	
7	2.27	972.00	6	0.38	39.58	
8	2.65	957.00	7	0.38	39.58	
9	3.03	947.00	8	0.38	26.46	
10	3.41	929.00	9	0.38	47.49	
11	3.79	916.00	10	0.38	34.30	
12	4.17	902.00	11	0.38	36.94	
13	4.55	889.00	12	0.38	34.39	
14	4.92	882.00	13	0.38	18.47	
15	5.30	869.00	14	0.38	34.30	
16	5.68	859.00	15	0.38	26.39	
17	6.06	849.00	16	0.38	26.39	
18	6.63	838.00	17	0.57	19.37	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1063.31	DEPN=	1.31	YC=	1062.85	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.379	YN=	1053.12	DEPN=	1.12	YC=	1052.96	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	3	X=	0.455	YN=	1049.50	DEPN=	1.10	YC=	1049.31	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	4	X=	0.531	YN=	1045.83	DEPN=	1.03	YC=	1045.68	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	5	X=	0.606	YN=	1042.16	DEPN=	0.96	YC=	1042.03	DEPC=	0.83	IFR=	0	ITN=	11	ITC=	11
I=	6	X=	0.682	YN=	1038.50	DEPN=	0.90	YC=	1038.37	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.758	YN=	1034.83	DEPN=	0.83	YC=	1034.72	DEPC=	0.72	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.884	YN=	1029.58	DEPN=	0.91	YC=	1029.43	DEPC=	0.76	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	1.010	YN=	1024.31	DEPN=	0.97	YC=	1024.15	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	1.136	YN=	1019.00	DEPN=	1.00	YC=	1018.86	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	1.190	YN=	1016.50	DEPN=	0.93	YC=	1016.33	DEPC=	0.76	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	1.244	YN=	1013.96	DEPN=	0.81	YC=	1013.78	DEPC=	0.64	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	1.298	YN=	1011.40	DEPN=	0.69	YC=	1011.23	DEPC=	0.52	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	1.353	YN=	1008.86	DEPN=	0.58	YC=	1008.67	DEPC=	0.39	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	1.407	YN=	1006.31	DEPN=	0.45	YC=	1006.11	DEPC=	0.26	IFR=	0	ITN=	11	ITC=	11
I=	16	X=	1.461	YN=	1003.75	DEPN=	0.32	YC=	1003.56	DEPC=	0.13	IFR=	0	ITN=	11	ITC=	11
I=	17	X=	1.515	YN=	1001.23	DEPN=	0.23	YC=	1001.01	DEPC=	0.01	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	1.641	YN=	996.84	DEPN=	0.51	YC=	996.63	DEPC=	0.30	IFR=	0	ITN=	11	ITC=	11

I=	19	X=	1.768	YN=	992.47	DEPN=	0.80	YC=	992.26	DEPC=	0.59	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	1.894	YN=	988.06	DEPN=	1.06	YC=	987.88	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	2.020	YN=	983.07	DEPN=	1.07	YC=	982.89	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	2.147	YN=	978.09	DEPN=	1.09	YC=	977.89	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	23	X=	2.273	YN=	973.05	DEPN=	1.05	YC=	972.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	24	X=	2.336	YN=	970.63	DEPN=	1.13	YC=	970.43	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	25	X=	2.399	YN=	968.18	DEPN=	1.18	YC=	967.97	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	26	X=	2.462	YN=	965.71	DEPN=	1.21	YC=	965.49	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	2.526	YN=	963.23	DEPN=	1.23	YC=	963.01	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	2.589	YN=	960.76	DEPN=	1.26	YC=	960.52	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	2.652	YN=	958.35	DEPN=	1.35	YC=	958.04	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	2.746	YN=	955.79	DEPN=	1.29	YC=	955.50	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	2.841	YN=	953.23	DEPN=	1.23	YC=	952.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	2.935	YN=	950.66	DEPN=	1.16	YC=	950.41	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	33	X=	3.030	YN=	947.99	DEPN=	0.99	YC=	947.85	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	34	X=	3.055	YN=	946.80	DEPN=	1.00	YC=	946.65	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	35	X=	3.081	YN=	945.60	DEPN=	1.00	YC=	945.44	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	36	X=	3.106	YN=	944.39	DEPN=	0.99	YC=	944.23	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	37	X=	3.131	YN=	943.18	DEPN=	0.98	YC=	943.04	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	38	X=	3.156	YN=	941.97	DEPN=	0.97	YC=	941.84	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	39	X=	3.182	YN=	940.77	DEPN=	0.97	YC=	940.63	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	40	X=	3.207	YN=	939.56	DEPN=	0.96	YC=	939.43	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	41	X=	3.232	YN=	938.35	DEPN=	0.95	YC=	938.22	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	42	X=	3.257	YN=	937.14	DEPN=	0.94	YC=	937.01	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	43	X=	3.283	YN=	935.94	DEPN=	0.94	YC=	935.81	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	44	X=	3.308	YN=	934.71	DEPN=	0.91	YC=	934.58	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	45	X=	3.333	YN=	933.51	DEPN=	0.90	YC=	933.38	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	46	X=	3.358	YN=	932.28	DEPN=	0.88	YC=	932.17	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	47	X=	3.384	YN=	931.07	DEPN=	0.87	YC=	930.95	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	48	X=	3.409	YN=	929.87	DEPN=	0.87	YC=	929.73	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	49	X=	3.431	YN=	929.14	DEPN=	0.91	YC=	929.00	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	50	X=	3.454	YN=	928.40	DEPN=	0.93	YC=	928.25	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	51	X=	3.476	YN=	927.67	DEPN=	0.96	YC=	927.51	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	52	X=	3.498	YN=	926.93	DEPN=	0.99	YC=	926.77	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	53	X=	3.520	YN=	926.19	DEPN=	1.01	YC=	926.01	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	54	X=	3.543	YN=	925.44	DEPN=	1.02	YC=	925.25	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	55	X=	3.565	YN=	924.70	DEPN=	1.05	YC=	924.50	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	56	X=	3.587	YN=	923.95	DEPN=	1.06	YC=	923.74	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	57	X=	3.610	YN=	923.19	DEPN=	1.07	YC=	923.00	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	58	X=	3.632	YN=	922.44	DEPN=	1.08	YC=	922.25	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	59	X=	3.654	YN=	921.68	DEPN=	1.10	YC=	921.49	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	60	X=	3.677	YN=	920.93	DEPN=	1.11	YC=	920.72	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	61	X=	3.699	YN=	920.18	DEPN=	1.12	YC=	919.96	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	62	X=	3.721	YN=	919.42	DEPN=	1.13	YC=	919.21	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	63	X=	3.743	YN=	918.67	DEPN=	1.14	YC=	918.45	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	64	X=	3.766	YN=	917.91	DEPN=	1.15	YC=	917.69	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	65	X=	3.788	YN=	917.16	DEPN=	1.16	YC=	916.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	66	X=	3.883	YN=	913.66	DEPN=	1.16	YC=	913.44	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	67	X=	3.977	YN=	910.18	DEPN=	1.18	YC=	909.95	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	68	X=	4.072	YN=	906.70	DEPN=	1.20	YC=	906.47	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	69	X=	4.167	YN=	903.20	DEPN=	1.20	YC=	902.99	DEPC=	0.99	IFR=	0	ITN=	10	ITC=	10
I=	70	X=	4.189	YN=	902.48	DEPN=	1.25	YC=	902.22	DEPC=	0.99	IFR=	0	ITN=	10	ITC=	10
I=	71	X=	4.211	YN=	901.70	DEPN=	1.23	YC=	901.45	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	72	X=	4.234	YN=	900.94	DEPN=	1.24	YC=	900.70	DEPC=	0.99	IFR=	0	ITN=	10	ITC=	10
I=	73	X=	4.256	YN=	900.16	DEPN=	1.22	YC=	899.92	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	74	X=	4.278	YN=	899.40	DEPN=	1.22	YC=	899.15	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	75	X=	4.300	YN=	898.62	DEPN=	1.21	YC=	898.37	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	76	X=	4.323	YN=	897.85	DEPN=	1.20	YC=	897.61	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	77	X=	4.345	YN=	897.08	DEPN=	1.20	YC=	896.84	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	78	X=	4.367	YN=	896.30	DEPN=	1.18	YC=	896.07	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10

I=	79	X=	4.389	YN=	895.53	DEPN=	1.17	YC=	895.30	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	80	X=	4.412	YN=	894.75	DEPN=	1.16	YC=	894.52	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	81	X=	4.434	YN=	893.98	DEPN=	1.15	YC=	893.75	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	82	X=	4.456	YN=	893.19	DEPN=	1.13	YC=	892.97	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	83	X=	4.478	YN=	892.41	DEPN=	1.12	YC=	892.20	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	84	X=	4.501	YN=	891.62	DEPN=	1.09	YC=	891.41	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	85	X=	4.523	YN=	890.84	DEPN=	1.08	YC=	890.63	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	4.545	YN=	890.09	DEPN=	1.09	YC=	889.84	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	4.549	YN=	890.02	DEPN=	1.10	YC=	889.76	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	4.554	YN=	889.92	DEPN=	1.08	YC=	889.67	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	4.558	YN=	889.83	DEPN=	1.08	YC=	889.58	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	4.563	YN=	889.75	DEPN=	1.08	YC=	889.49	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	4.567	YN=	889.66	DEPN=	1.08	YC=	889.41	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	4.572	YN=	889.57	DEPN=	1.06	YC=	889.33	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	4.576	YN=	889.48	DEPN=	1.06	YC=	889.24	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	4.581	YN=	889.39	DEPN=	1.05	YC=	889.16	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	4.585	YN=	889.31	DEPN=	1.05	YC=	889.07	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	4.590	YN=	889.22	DEPN=	1.05	YC=	888.99	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	4.594	YN=	889.13	DEPN=	1.04	YC=	888.90	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	4.599	YN=	889.05	DEPN=	1.04	YC=	888.81	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	4.603	YN=	888.96	DEPN=	1.03	YC=	888.74	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	4.607	YN=	888.87	DEPN=	1.03	YC=	888.65	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	4.612	YN=	888.80	DEPN=	1.03	YC=	888.57	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	4.616	YN=	888.71	DEPN=	1.03	YC=	888.48	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	4.621	YN=	888.62	DEPN=	1.02	YC=	888.39	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	4.625	YN=	888.54	DEPN=	1.02	YC=	888.32	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	4.630	YN=	888.46	DEPN=	1.02	YC=	888.23	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	4.634	YN=	888.37	DEPN=	1.02	YC=	888.15	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	4.639	YN=	888.28	DEPN=	1.01	YC=	888.06	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	4.643	YN=	888.21	DEPN=	1.02	YC=	887.98	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	4.648	YN=	888.12	DEPN=	1.01	YC=	887.89	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	4.652	YN=	888.03	DEPN=	1.01	YC=	887.82	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	4.656	YN=	887.96	DEPN=	1.01	YC=	887.74	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	4.661	YN=	887.87	DEPN=	1.01	YC=	887.65	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	4.665	YN=	887.78	DEPN=	1.00	YC=	887.57	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	4.670	YN=	887.70	DEPN=	1.01	YC=	887.48	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	4.674	YN=	887.61	DEPN=	1.00	YC=	887.40	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	4.679	YN=	887.54	DEPN=	1.01	YC=	887.31	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	4.683	YN=	887.45	DEPN=	1.00	YC=	887.23	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	4.688	YN=	887.37	DEPN=	1.01	YC=	887.16	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	4.692	YN=	887.28	DEPN=	1.00	YC=	887.07	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	4.697	YN=	887.20	DEPN=	1.00	YC=	886.99	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	4.701	YN=	887.11	DEPN=	1.00	YC=	886.90	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	4.706	YN=	887.04	DEPN=	1.00	YC=	886.82	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	4.710	YN=	886.95	DEPN=	0.99	YC=	886.74	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	4.714	YN=	886.87	DEPN=	1.00	YC=	886.65	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	4.719	YN=	886.78	DEPN=	0.99	YC=	886.57	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	4.723	YN=	886.70	DEPN=	1.00	YC=	886.49	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	4.728	YN=	886.61	DEPN=	0.99	YC=	886.40	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	4.732	YN=	886.54	DEPN=	1.00	YC=	886.32	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	4.737	YN=	886.45	DEPN=	0.99	YC=	886.25	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	4.741	YN=	886.37	DEPN=	0.99	YC=	886.15	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	131	X=	4.746	YN=	886.28	DEPN=	0.98	YC=	886.08	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	4.750	YN=	886.20	DEPN=	0.99	YC=	886.00	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	4.755	YN=	886.12	DEPN=	0.99	YC=	885.91	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	4.759	YN=	886.03	DEPN=	0.99	YC=	885.83	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	4.763	YN=	885.96	DEPN=	0.99	YC=	885.75	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	136	X=	4.768	YN=	885.86	DEPN=	0.98	YC=	885.66	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	137	X=	4.772	YN=	885.79	DEPN=	0.99	YC=	885.58	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	4.777	YN=	885.71	DEPN=	0.99	YC=	885.50	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10

I=	139	X=	4.781	YN=	885.62	DEPN=	0.98	YC=	885.41	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	4.786	YN=	885.54	DEPN=	0.99	YC=	885.33	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	4.790	YN=	885.45	DEPN=	0.98	YC=	885.25	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	4.795	YN=	885.37	DEPN=	0.98	YC=	885.17	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	4.799	YN=	885.29	DEPN=	0.99	YC=	885.08	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	4.804	YN=	885.20	DEPN=	0.98	YC=	885.00	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	145	X=	4.808	YN=	885.12	DEPN=	0.98	YC=	884.92	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	146	X=	4.813	YN=	885.05	DEPN=	0.99	YC=	884.83	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	147	X=	4.817	YN=	884.95	DEPN=	0.98	YC=	884.75	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	148	X=	4.821	YN=	884.88	DEPN=	0.98	YC=	884.67	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	149	X=	4.826	YN=	884.80	DEPN=	0.99	YC=	884.59	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	150	X=	4.830	YN=	884.71	DEPN=	0.98	YC=	884.50	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	151	X=	4.835	YN=	884.63	DEPN=	0.98	YC=	884.42	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	152	X=	4.839	YN=	884.55	DEPN=	0.99	YC=	884.34	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	153	X=	4.844	YN=	884.46	DEPN=	0.98	YC=	884.26	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	154	X=	4.848	YN=	884.38	DEPN=	0.98	YC=	884.17	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	155	X=	4.853	YN=	884.30	DEPN=	0.99	YC=	884.09	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	156	X=	4.857	YN=	884.21	DEPN=	0.97	YC=	884.01	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	157	X=	4.862	YN=	884.13	DEPN=	0.98	YC=	883.93	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	158	X=	4.866	YN=	884.05	DEPN=	0.98	YC=	883.84	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	159	X=	4.870	YN=	883.96	DEPN=	0.97	YC=	883.76	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	160	X=	4.875	YN=	883.88	DEPN=	0.98	YC=	883.68	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	161	X=	4.879	YN=	883.80	DEPN=	0.98	YC=	883.60	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	162	X=	4.884	YN=	883.71	DEPN=	0.97	YC=	883.51	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	163	X=	4.888	YN=	883.63	DEPN=	0.97	YC=	883.43	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	164	X=	4.893	YN=	883.55	DEPN=	0.98	YC=	883.35	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	165	X=	4.897	YN=	883.48	DEPN=	0.98	YC=	883.27	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	166	X=	4.902	YN=	883.38	DEPN=	0.97	YC=	883.19	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	167	X=	4.906	YN=	883.30	DEPN=	0.98	YC=	883.10	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	168	X=	4.911	YN=	883.23	DEPN=	0.98	YC=	883.02	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	169	X=	4.915	YN=	883.15	DEPN=	0.98	YC=	882.94	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	170	X=	4.920	YN=	883.05	DEPN=	0.97	YC=	882.86	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	171	X=	4.924	YN=	882.92	DEPN=	0.92	YC=	882.78	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	172	X=	4.966	YN=	881.46	DEPN=	0.90	YC=	881.32	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	173	X=	5.008	YN=	880.00	DEPN=	0.89	YC=	879.87	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	174	X=	5.050	YN=	878.55	DEPN=	0.88	YC=	878.41	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	175	X=	5.092	YN=	877.09	DEPN=	0.87	YC=	876.96	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	176	X=	5.135	YN=	875.63	DEPN=	0.85	YC=	875.50	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	177	X=	5.177	YN=	874.16	DEPN=	0.83	YC=	874.04	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	178	X=	5.219	YN=	872.69	DEPN=	0.80	YC=	872.58	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	179	X=	5.261	YN=	871.22	DEPN=	0.78	YC=	871.12	DEPC=	0.67	IFR=	0	ITN=	10	ITC=	10
I=	180	X=	5.303	YN=	869.76	DEPN=	0.76	YC=	869.65	DEPC=	0.65	IFR=	0	ITN=	10	ITC=	10
I=	181	X=	5.429	YN=	866.40	DEPN=	0.74	YC=	866.31	DEPC=	0.64	IFR=	0	ITN=	10	ITC=	10
I=	182	X=	5.556	YN=	863.07	DEPN=	0.74	YC=	862.97	DEPC=	0.64	IFR=	0	ITN=	10	ITC=	10
I=	183	X=	5.682	YN=	859.71	DEPN=	0.71	YC=	859.63	DEPC=	0.63	IFR=	0	ITN=	10	ITC=	10
I=	184	X=	5.777	YN=	857.23	DEPN=	0.73	YC=	857.13	DEPC=	0.63	IFR=	0	ITN=	10	ITC=	10
I=	185	X=	5.872	YN=	854.71	DEPN=	0.71	YC=	854.63	DEPC=	0.63	IFR=	0	ITN=	10	ITC=	10
I=	186	X=	5.966	YN=	852.21	DEPN=	0.71	YC=	852.13	DEPC=	0.63	IFR=	0	ITN=	10	ITC=	10
I=	187	X=	6.061	YN=	849.73	DEPN=	0.73	YC=	849.63	DEPC=	0.63	IFR=	0	ITN=	10	ITC=	10
I=	188	X=	6.156	YN=	847.92	DEPN=	0.76	YC=	847.80	DEPC=	0.64	IFR=	0	ITN=	10	ITC=	10
I=	189	X=	6.250	YN=	846.11	DEPN=	0.78	YC=	845.99	DEPC=	0.66	IFR=	0	ITN=	10	ITC=	10
I=	190	X=	6.345	YN=	844.29	DEPN=	0.79	YC=	844.17	DEPC=	0.67	IFR=	0	ITN=	10	ITC=	10
I=	191	X=	6.440	YN=	842.48	DEPN=	0.81	YC=	842.34	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	192	X=	6.534	YN=	840.66	DEPN=	0.83	YC=	840.52	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	193	X=	6.629	YN=	838.83	DEPN=	0.83	YC=	838.70	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10

(IFR(I),I=1,N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0							

IN=	193	YNN=	838.83	DEP=	0.83								
	I=	192	X=	6.534	QIL=	500.	YIL=	840.68	DEP=	0.84	ITB=	5
	I=	191	X=	6.440	QIL=	500.	YIL=	842.47	DEP=	0.80	ITB=	5
	I=	190	X=	6.345	QIL=	500.	YIL=	844.30	DEP=	0.80	ITB=	5
	I=	189	X=	6.250	QIL=	500.	YIL=	846.10	DEP=	0.77	ITB=	5
	I=	188	X=	6.156	QIL=	500.	YIL=	847.93	DEP=	0.76	ITB=	5
	I=	187	X=	6.061	QIL=	500.	YIL=	849.73	DEP=	0.73	ITB=	4
	I=	186	X=	5.966	QIL=	500.	YIL=	852.21	DEP=	0.71	ITB=	4
	I=	185	X=	5.872	QIL=	500.	YIL=	854.73	DEP=	0.73	ITB=	5
	I=	184	X=	5.777	QIL=	500.	YIL=	857.21	DEP=	0.71	ITB=	5
	I=	183	X=	5.682	QIL=	500.	YIL=	859.73	DEP=	0.73	ITB=	5
	I=	182	X=	5.556	QIL=	500.	YIL=	863.06	DEP=	0.72	ITB=	5
	I=	181	X=	5.429	QIL=	500.	YIL=	866.42	DEP=	0.75	ITB=	4
	I=	180	X=	5.303	QIL=	500.	YIL=	869.74	DEP=	0.74	ITB=	4
	I=	179	X=	5.261	QIL=	500.	YIL=	871.21	DEP=	0.77	ITB=	5
	I=	178	X=	5.219	QIL=	500.	YIL=	872.69	DEP=	0.80	ITB=	5
	I=	177	X=	5.177	QIL=	500.	YIL=	874.15	DEP=	0.82	ITB=	5
	I=	176	X=	5.135	QIL=	500.	YIL=	875.62	DEP=	0.84	ITB=	5
	I=	175	X=	5.092	QIL=	500.	YIL=	877.08	DEP=	0.86	ITB=	5
	I=	174	X=	5.050	QIL=	500.	YIL=	878.55	DEP=	0.88	ITB=	5
	I=	173	X=	5.008	QIL=	500.	YIL=	880.00	DEP=	0.89	ITB=	5
	I=	172	X=	4.966	QIL=	500.	YIL=	881.46	DEP=	0.91	ITB=	5
	I=	171	X=	4.924	QIL=	500.	YIL=	882.92	DEP=	0.92	ITB=	5
	I=	170	X=	4.920	QIL=	500.	YIL=	883.04	DEP=	0.96	ITB=	7
	I=	169	X=	4.915	QIL=	500.	YIL=	883.14	DEP=	0.97	ITB=	7
	I=	168	X=	4.911	QIL=	500.	YIL=	883.22	DEP=	0.97	ITB=	7
	I=	167	X=	4.906	QIL=	500.	YIL=	883.31	DEP=	0.98	ITB=	7
	I=	166	X=	4.902	QIL=	500.	YIL=	883.39	DEP=	0.98	ITB=	7
	I=	165	X=	4.897	QIL=	500.	YIL=	883.47	DEP=	0.98	ITB=	7
	I=	164	X=	4.893	QIL=	500.	YIL=	883.55	DEP=	0.98	ITB=	7
	I=	163	X=	4.888	QIL=	500.	YIL=	883.64	DEP=	0.98	ITB=	7
	I=	162	X=	4.884	QIL=	500.	YIL=	883.72	DEP=	0.98	ITB=	7
	I=	161	X=	4.879	QIL=	500.	YIL=	883.80	DEP=	0.98	ITB=	7
	I=	160	X=	4.875	QIL=	500.	YIL=	883.88	DEP=	0.98	ITB=	7
	I=	159	X=	4.870	QIL=	500.	YIL=	883.97	DEP=	0.98	ITB=	7
	I=	158	X=	4.866	QIL=	500.	YIL=	884.05	DEP=	0.98	ITB=	7
	I=	157	X=	4.862	QIL=	500.	YIL=	884.13	DEP=	0.98	ITB=	7
	I=	156	X=	4.857	QIL=	500.	YIL=	884.21	DEP=	0.98	ITB=	7
	I=	155	X=	4.853	QIL=	500.	YIL=	884.30	DEP=	0.98	ITB=	7
	I=	154	X=	4.848	QIL=	500.	YIL=	884.38	DEP=	0.98	ITB=	7

I=	153	X=	4.844	QIL=	500.	YIL=	884.46	DEP=	0.98	ITB=	7
I=	152	X=	4.839	QIL=	500.	YIL=	884.55	DEP=	0.98	ITB=	7
I=	151	X=	4.835	QIL=	500.	YIL=	884.63	DEP=	0.98	ITB=	7
I=	150	X=	4.830	QIL=	500.	YIL=	884.71	DEP=	0.98	ITB=	7
I=	149	X=	4.826	QIL=	500.	YIL=	884.79	DEP=	0.98	ITB=	7
I=	148	X=	4.821	QIL=	500.	YIL=	884.88	DEP=	0.98	ITB=	7
I=	147	X=	4.817	QIL=	500.	YIL=	884.96	DEP=	0.98	ITB=	7
I=	146	X=	4.813	QIL=	500.	YIL=	885.04	DEP=	0.98	ITB=	7
I=	145	X=	4.808	QIL=	500.	YIL=	885.12	DEP=	0.98	ITB=	7
I=	144	X=	4.804	QIL=	500.	YIL=	885.21	DEP=	0.98	ITB=	7
I=	143	X=	4.799	QIL=	500.	YIL=	885.29	DEP=	0.98	ITB=	7
I=	142	X=	4.795	QIL=	500.	YIL=	885.37	DEP=	0.98	ITB=	7
I=	141	X=	4.790	QIL=	500.	YIL=	885.46	DEP=	0.98	ITB=	7
I=	140	X=	4.786	QIL=	500.	YIL=	885.54	DEP=	0.99	ITB=	7
I=	139	X=	4.781	QIL=	500.	YIL=	885.62	DEP=	0.99	ITB=	7
I=	138	X=	4.777	QIL=	500.	YIL=	885.70	DEP=	0.99	ITB=	7
I=	137	X=	4.772	QIL=	500.	YIL=	885.79	DEP=	0.99	ITB=	7
I=	136	X=	4.768	QIL=	500.	YIL=	885.87	DEP=	0.99	ITB=	7
I=	135	X=	4.763	QIL=	500.	YIL=	885.95	DEP=	0.99	ITB=	7
I=	134	X=	4.759	QIL=	500.	YIL=	886.04	DEP=	0.99	ITB=	7
I=	133	X=	4.755	QIL=	500.	YIL=	886.12	DEP=	0.99	ITB=	7
I=	132	X=	4.750	QIL=	500.	YIL=	886.20	DEP=	0.99	ITB=	7
I=	131	X=	4.746	QIL=	500.	YIL=	886.28	DEP=	0.99	ITB=	7
I=	130	X=	4.741	QIL=	500.	YIL=	886.37	DEP=	0.99	ITB=	7
I=	129	X=	4.737	QIL=	500.	YIL=	886.45	DEP=	0.99	ITB=	7
I=	128	X=	4.732	QIL=	500.	YIL=	886.53	DEP=	0.99	ITB=	7
I=	127	X=	4.728	QIL=	500.	YIL=	886.62	DEP=	0.99	ITB=	7
I=	126	X=	4.723	QIL=	500.	YIL=	886.70	DEP=	0.99	ITB=	7
I=	125	X=	4.719	QIL=	500.	YIL=	886.78	DEP=	0.99	ITB=	7
I=	124	X=	4.714	QIL=	500.	YIL=	886.87	DEP=	0.99	ITB=	7
I=	123	X=	4.710	QIL=	500.	YIL=	886.95	DEP=	1.00	ITB=	7
I=	122	X=	4.706	QIL=	500.	YIL=	887.03	DEP=	1.00	ITB=	7
I=	121	X=	4.701	QIL=	500.	YIL=	887.11	DEP=	1.00	ITB=	7
I=	120	X=	4.697	QIL=	500.	YIL=	887.20	DEP=	1.00	ITB=	7
I=	119	X=	4.692	QIL=	500.	YIL=	887.28	DEP=	1.00	ITB=	7
I=	118	X=	4.688	QIL=	500.	YIL=	887.36	DEP=	1.00	ITB=	7
I=	117	X=	4.683	QIL=	500.	YIL=	887.45	DEP=	1.00	ITB=	7
I=	116	X=	4.679	QIL=	500.	YIL=	887.53	DEP=	1.00	ITB=	7
I=	115	X=	4.674	QIL=	500.	YIL=	887.61	DEP=	1.00	ITB=	7
I=	114	X=	4.670	QIL=	500.	YIL=	887.70	DEP=	1.00	ITB=	7
I=	113	X=	4.665	QIL=	500.	YIL=	887.78	DEP=	1.01	ITB=	7
I=	112	X=	4.661	QIL=	500.	YIL=	887.87	DEP=	1.01	ITB=	7
I=	111	X=	4.656	QIL=	500.	YIL=	887.95	DEP=	1.01	ITB=	7
I=	110	X=	4.652	QIL=	500.	YIL=	888.03	DEP=	1.01	ITB=	7
I=	109	X=	4.648	QIL=	500.	YIL=	888.12	DEP=	1.01	ITB=	7
I=	108	X=	4.643	QIL=	500.	YIL=	888.20	DEP=	1.01	ITB=	7
I=	107	X=	4.639	QIL=	500.	YIL=	888.28	DEP=	1.01	ITB=	7
I=	106	X=	4.634	QIL=	500.	YIL=	888.37	DEP=	1.02	ITB=	7
I=	105	X=	4.630	QIL=	500.	YIL=	888.45	DEP=	1.02	ITB=	7
I=	104	X=	4.625	QIL=	500.	YIL=	888.54	DEP=	1.02	ITB=	7
I=	103	X=	4.621	QIL=	500.	YIL=	888.62	DEP=	1.02	ITB=	7
I=	102	X=	4.616	QIL=	500.	YIL=	888.71	DEP=	1.02	ITB=	7
I=	101	X=	4.612	QIL=	500.	YIL=	888.79	DEP=	1.03	ITB=	7
I=	100	X=	4.607	QIL=	500.	YIL=	888.88	DEP=	1.03	ITB=	7
I=	99	X=	4.603	QIL=	500.	YIL=	888.96	DEP=	1.03	ITB=	7
I=	98	X=	4.599	QIL=	500.	YIL=	889.05	DEP=	1.04	ITB=	6
I=	97	X=	4.594	QIL=	500.	YIL=	889.13	DEP=	1.04	ITB=	6
I=	96	X=	4.590	QIL=	500.	YIL=	889.22	DEP=	1.04	ITB=	6
I=	95	X=	4.585	QIL=	500.	YIL=	889.31	DEP=	1.05	ITB=	6
I=	94	X=	4.581	QIL=	500.	YIL=	889.39	DEP=	1.05	ITB=	6

I=	93	X=	4.576	QIL=	500.	YIL=	889.48	DEP=	1.06	ITB=	6
I=	92	X=	4.572	QIL=	500.	YIL=	889.57	DEP=	1.06	ITB=	6
I=	91	X=	4.567	QIL=	500.	YIL=	889.65	DEP=	1.07	ITB=	6
I=	90	X=	4.563	QIL=	500.	YIL=	889.74	DEP=	1.07	ITB=	6
I=	89	X=	4.558	QIL=	500.	YIL=	889.83	DEP=	1.08	ITB=	6
I=	88	X=	4.554	QIL=	500.	YIL=	889.92	DEP=	1.08	ITB=	6
I=	87	X=	4.549	QIL=	500.	YIL=	890.01	DEP=	1.09	ITB=	6
I=	86	X=	4.545	QIL=	500.	YIL=	890.10	DEP=	1.10	ITB=	6
I=	85	X=	4.523	QIL=	500.	YIL=	890.79	DEP=	1.02	ITB=	5
I=	84	X=	4.501	QIL=	500.	YIL=	891.65	DEP=	1.12	ITB=	5
I=	83	X=	4.478	QIL=	500.	YIL=	892.39	DEP=	1.10	ITB=	6
I=	82	X=	4.456	QIL=	500.	YIL=	893.20	DEP=	1.14	ITB=	5
I=	81	X=	4.434	QIL=	500.	YIL=	893.97	DEP=	1.14	ITB=	5
I=	80	X=	4.412	QIL=	500.	YIL=	894.75	DEP=	1.16	ITB=	5
I=	79	X=	4.389	QIL=	500.	YIL=	895.52	DEP=	1.17	ITB=	5
I=	78	X=	4.367	QIL=	500.	YIL=	896.30	DEP=	1.18	ITB=	5
I=	77	X=	4.345	QIL=	500.	YIL=	897.08	DEP=	1.19	ITB=	5
I=	76	X=	4.323	QIL=	500.	YIL=	897.85	DEP=	1.20	ITB=	5
I=	75	X=	4.300	QIL=	500.	YIL=	898.62	DEP=	1.21	ITB=	5
I=	74	X=	4.278	QIL=	500.	YIL=	899.39	DEP=	1.22	ITB=	5
I=	73	X=	4.256	QIL=	500.	YIL=	900.17	DEP=	1.22	ITB=	5
I=	72	X=	4.234	QIL=	500.	YIL=	900.94	DEP=	1.23	ITB=	5
I=	71	X=	4.211	QIL=	500.	YIL=	901.71	DEP=	1.24	ITB=	5
I=	70	X=	4.189	QIL=	500.	YIL=	902.48	DEP=	1.24	ITB=	5
I=	69	X=	4.167	QIL=	500.	YIL=	903.25	DEP=	1.25	ITB=	5
I=	68	X=	4.072	QIL=	500.	YIL=	906.69	DEP=	1.19	ITB=	4
I=	67	X=	3.977	QIL=	500.	YIL=	910.19	DEP=	1.19	ITB=	5
I=	66	X=	3.883	QIL=	500.	YIL=	913.65	DEP=	1.15	ITB=	5
I=	65	X=	3.788	QIL=	500.	YIL=	917.15	DEP=	1.15	ITB=	5
I=	64	X=	3.766	QIL=	500.	YIL=	917.92	DEP=	1.15	ITB=	5
I=	63	X=	3.743	QIL=	500.	YIL=	918.67	DEP=	1.14	ITB=	5
I=	62	X=	3.721	QIL=	500.	YIL=	919.43	DEP=	1.13	ITB=	5
I=	61	X=	3.699	QIL=	500.	YIL=	920.18	DEP=	1.12	ITB=	5
I=	60	X=	3.677	QIL=	500.	YIL=	920.94	DEP=	1.11	ITB=	5
I=	59	X=	3.654	QIL=	500.	YIL=	921.69	DEP=	1.10	ITB=	5
I=	58	X=	3.632	QIL=	500.	YIL=	922.44	DEP=	1.09	ITB=	5
I=	57	X=	3.610	QIL=	500.	YIL=	923.19	DEP=	1.08	ITB=	5
I=	56	X=	3.587	QIL=	500.	YIL=	923.94	DEP=	1.06	ITB=	5
I=	55	X=	3.565	QIL=	500.	YIL=	924.69	DEP=	1.05	ITB=	5
I=	54	X=	3.543	QIL=	500.	YIL=	925.44	DEP=	1.03	ITB=	5
I=	53	X=	3.520	QIL=	500.	YIL=	926.19	DEP=	1.01	ITB=	5
I=	52	X=	3.498	QIL=	500.	YIL=	926.93	DEP=	0.99	ITB=	5
I=	51	X=	3.476	QIL=	500.	YIL=	927.67	DEP=	0.97	ITB=	5
I=	50	X=	3.454	QIL=	500.	YIL=	928.41	DEP=	0.94	ITB=	5
I=	49	X=	3.431	QIL=	500.	YIL=	929.15	DEP=	0.91	ITB=	5
I=	48	X=	3.409	QIL=	500.	YIL=	929.87	DEP=	0.87	ITB=	5
I=	47	X=	3.384	QIL=	500.	YIL=	931.04	DEP=	0.84	ITB=	5
I=	46	X=	3.358	QIL=	500.	YIL=	932.31	DEP=	0.91	ITB=	4
I=	45	X=	3.333	QIL=	500.	YIL=	933.48	DEP=	0.88	ITB=	5
I=	44	X=	3.308	QIL=	500.	YIL=	934.74	DEP=	0.94	ITB=	5
I=	43	X=	3.283	QIL=	500.	YIL=	935.92	DEP=	0.92	ITB=	5
I=	42	X=	3.257	QIL=	500.	YIL=	937.15	DEP=	0.95	ITB=	5
I=	41	X=	3.232	QIL=	500.	YIL=	938.34	DEP=	0.94	ITB=	5
I=	40	X=	3.207	QIL=	500.	YIL=	939.57	DEP=	0.97	ITB=	5
I=	39	X=	3.182	QIL=	500.	YIL=	940.76	DEP=	0.96	ITB=	5
I=	38	X=	3.156	QIL=	500.	YIL=	941.98	DEP=	0.98	ITB=	5
I=	37	X=	3.131	QIL=	500.	YIL=	943.18	DEP=	0.98	ITB=	5
I=	36	X=	3.106	QIL=	500.	YIL=	944.39	DEP=	0.99	ITB=	5
I=	35	X=	3.081	QIL=	500.	YIL=	945.59	DEP=	0.99	ITB=	5
I=	34	X=	3.055	QIL=	500.	YIL=	946.80	DEP=	1.00	ITB=	5

I=	33	X=	3.030	QIL=	500.	YIL=	948.00	DEP=	1.00	ITB=	5
I=	32	X=	2.935	QIL=	500.	YIL=	950.71	DEP=	1.21	ITB=	6
I=	31	X=	2.841	QIL=	500.	YIL=	953.16	DEP=	1.16	ITB=	5
I=	30	X=	2.746	QIL=	500.	YIL=	955.84	DEP=	1.34	ITB=	4
I=	29	X=	2.652	QIL=	500.	YIL=	958.30	DEP=	1.30	ITB=	5
I=	28	X=	2.589	QIL=	500.	YIL=	960.75	DEP=	1.25	ITB=	4
I=	27	X=	2.526	QIL=	500.	YIL=	963.25	DEP=	1.25	ITB=	5
I=	26	X=	2.462	QIL=	500.	YIL=	965.71	DEP=	1.21	ITB=	4
I=	25	X=	2.399	QIL=	500.	YIL=	968.19	DEP=	1.19	ITB=	5
I=	24	X=	2.336	QIL=	500.	YIL=	970.64	DEP=	1.14	ITB=	4
I=	23	X=	2.273	QIL=	500.	YIL=	973.09	DEP=	1.09	ITB=	4
I=	22	X=	2.147	QIL=	500.	YIL=	978.07	DEP=	1.07	ITB=	5
I=	21	X=	2.020	QIL=	500.	YIL=	983.08	DEP=	1.08	ITB=	5
I=	20	X=	1.894	QIL=	500.	YIL=	988.06	DEP=	1.06	ITB=	5
I=	19	X=	1.768	QIL=	500.	YIL=	992.49	DEP=	0.82	ITB=	5
I=	18	X=	1.641	QIL=	500.	YIL=	996.83	DEP=	0.50	ITB=	5
I=	17	X=	1.515	QIL=	500.	YIL=	1001.25	DEP=	0.25	ITB=	5
I=	16	X=	1.461	QIL=	500.	YIL=	1003.69	DEP=	0.26	ITB=	4
I=	15	X=	1.407	QIL=	500.	YIL=	1006.34	DEP=	0.49	ITB=	5
I=	14	X=	1.353	QIL=	500.	YIL=	1008.82	DEP=	0.53	ITB=	5
I=	13	X=	1.298	QIL=	500.	YIL=	1011.43	DEP=	0.72	ITB=	5
I=	12	X=	1.244	QIL=	500.	YIL=	1013.93	DEP=	0.78	ITB=	5
I=	11	X=	1.190	QIL=	500.	YIL=	1016.51	DEP=	0.94	ITB=	5
I=	10	X=	1.136	QIL=	500.	YIL=	1019.01	DEP=	1.01	ITB=	4
I=	9	X=	1.010	QIL=	500.	YIL=	1024.33	DEP=	0.99	ITB=	5
I=	8	X=	0.884	QIL=	500.	YIL=	1029.55	DEP=	0.89	ITB=	4
I=	7	X=	0.758	QIL=	500.	YIL=	1034.84	DEP=	0.84	ITB=	5
I=	6	X=	0.682	QIL=	500.	YIL=	1038.47	DEP=	0.87	ITB=	4
I=	5	X=	0.606	QIL=	500.	YIL=	1042.20	DEP=	1.00	ITB=	5
I=	4	X=	0.531	QIL=	500.	YIL=	1045.79	DEP=	0.99	ITB=	4
I=	3	X=	0.455	QIL=	500.	YIL=	1049.53	DEP=	1.13	ITB=	5
I=	2	X=	0.379	QIL=	500.	YIL=	1053.11	DEP=	1.11	ITB=	4
I=	1	X=	0.000	QIL=	500.	YIL=	1079.80	DEP=	17.80	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

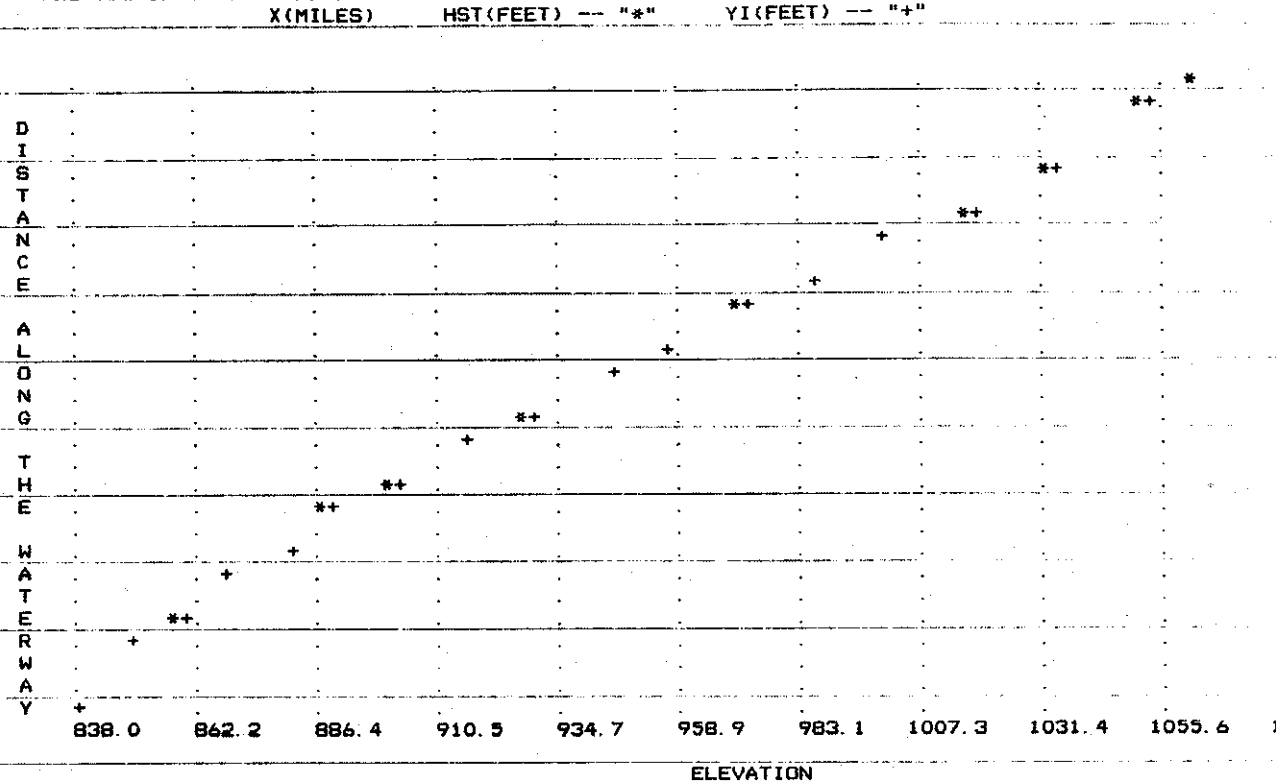
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.

500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.							

(YI(I), I=1, N)

1079.80	1053.11	1049.53	1045.79	1042.20	1038.47	1034.84	1029.55
1024.33	1019.01	1016.51	1013.93	1011.43	1008.82	1006.34	1003.69
1001.25	996.83	992.49	988.06	983.08	978.07	973.09	970.64
968.19	965.71	963.25	960.75	958.30	955.84	953.16	950.71
948.00	946.80	945.59	944.39	943.18	941.98	940.76	939.57
938.34	937.15	935.92	934.74	933.48	932.31	931.04	929.87
929.15	928.41	927.67	926.93	926.19	925.44	924.69	923.94
923.19	922.44	921.69	920.94	920.18	919.43	918.67	917.92
917.15	913.65	910.19	906.69	903.25	902.48	901.71	900.94
900.17	899.39	898.62	897.85	897.08	896.30	895.52	894.75
893.97	893.20	892.39	891.65	890.79	890.10	890.01	889.92
889.83	889.74	889.65	889.57	889.48	889.39	889.31	889.22
889.13	889.05	888.96	888.88	888.79	888.71	888.62	888.54
888.45	888.37	888.28	888.20	888.12	888.03	887.95	887.87
887.78	887.70	887.61	887.53	887.45	887.36	887.28	887.20
887.11	887.03	886.95	886.87	886.78	886.70	886.62	886.53
886.45	886.37	886.28	886.20	886.12	886.04	885.95	885.87
885.79	885.70	885.62	885.54	885.46	885.37	885.29	885.21
885.12	885.04	884.96	884.88	884.79	884.71	884.63	884.55
884.46	884.38	884.30	884.21	884.13	884.05	883.97	883.88
883.80	883.72	883.64	883.55	883.47	883.39	883.31	883.22
883.14	883.04	882.92	881.46	880.00	878.55	877.08	875.62
874.15	872.69	871.21	869.74	866.42	863.06	859.73	857.21
854.73	852.21	849.73	847.93	846.10	844.30	842.47	840.68
838.83							

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)
X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1062.00	1079.80	17.80
0.38	1052.00	1053.11	1.11
0.76	1034.00	1034.84	0.84
1.14	1018.00	1019.01	1.01
1.51	1001.00	1001.25	0.25
1.89	987.00	988.06	1.06
2.27	972.00	973.09	1.09
2.65	957.00	958.30	1.30
3.03	947.00	948.00	1.00
3.41	929.00	929.87	0.87
3.79	916.00	917.15	1.15
4.17	902.00	903.25	1.25
4.55	889.00	890.10	1.10
4.92	882.00	882.92	0.92
5.30	869.00	869.74	0.74
5.68	859.00	859.73	0.73
6.06	849.00	849.73	0.73
6.63	838.00	838.83	0.83

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	8.750
TIME TO PEAK	HR	TP	5.000
TIME STEP SIZE	HR	DTHI	0.025

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1079.80  QU(N) =      500.00  YU(N) =      838.83
FRDM=    0.56  IIFR=   16  FRM=0.00 IIFM=    1

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1079.80  QU(N) =      500.00  YU(N) =      838.84
FRDM=    0.55  IIFR=   16  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1079.80	1063.00	1053.12	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1079.80  QU(N) =      524.27  YU(N) =      838.85
FRDM=    0.55  IIFR=   16  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1079.80	1063.00	1053.12	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =   0.0250          DTH =  0.0250          ITERR =   1
QU(1) =     941.99     YU(1) =     1079.80  QU(N) =     544.95  YU(N) =     838.86
FRDM=    0.55  IIFR=   16  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.025     942.0   1079.80   1062.16   1053.31      1.00      12.5     942.0     442.0       0.0     500.0

TT =   0.0500          DTH =  0.0250          ITERR =   1
QU(1) =    2267.96     YU(1) =     1079.80  QU(N) =     552.89  YU(N) =     838.86
FRDM=    0.55  IIFR=   16  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.050    2268.0   1079.80   1061.32   1053.66      1.00      25.0    2268.0    1768.0       0.0     500.0

TT =   0.0750          DTH =  0.0250          ITERR =   1
QU(1) =    4477.19     YU(1) =     1079.79  QU(N) =     556.12  YU(N) =     838.86
FRDM=    0.55  IIFR=   16  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.075    4477.2   1079.79   1060.48   1054.01      1.00      37.5    4477.2    3977.2       0.0     500.0

TT =   0.1000          DTH =  0.0250          ITERR =   1
QU(1) =    7131.38     YU(1) =     1079.78  QU(N) =     557.30  YU(N) =     838.86
FRDM=    0.55  IIFR=   16  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.100    7131.4   1079.78   1060.00   1054.32      1.00      50.0    7131.4    6631.4       0.0     500.0
```

```
TT =    0.1250          DTH =  0.0250          ITERR =   1
QU(1) =     9708.38     YU(1) =     1079.77  QU(N) =     557.69  YU(N) =     838.86
FRDM=     0.55  IIFR=   16  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.125	9708.4	1079.77	1060.00	1054.57	1.00	62.5	9708.4	9208.4	0.0	500.0

```
TT =    0.1500          DTH =  0.0250          ITERR =   1
QU(1) =    12524.50     YU(1) =     1079.75  QU(N) =     557.58  YU(N) =     838.86
FRDM=     0.55  IIFR=   16  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.150	12524.5	1079.75	1060.00	1054.78	1.00	75.0	12524.5	12124.5	0.0	400.0

```
TT =    0.1750          DTH =  0.0250          ITERR =   1
QU(1) =    15658.98     YU(1) =     1079.72  QU(N) =     557.73  YU(N) =     838.86
FRDM=     0.55  IIFR=   16  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.175	15659.0	1079.72	1060.00	1054.99	1.00	87.5	15659.0	15359.0	0.0	300.0

```
TT =    0.2000          DTH =  0.0250          ITERR =   1
QU(1) =    19089.84     YU(1) =     1079.69  QU(N) =     558.00  YU(N) =     838.86
FRDM=     0.55  IIFR=    2  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.200	19089.8	1079.69	1060.00	1055.16	1.00	100.0	19089.8	18889.8	0.0	200.0

```
TT =    0.2250          DTH =  0.0250          ITERR =   1
QU(1) =    22793.39     YU(1) =     1079.66  QU(N) =      558.24  YU(N) =      838.86
FRDM=     0.55  IIFR=    2  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.225	22793.4	1079.66	1060.00	1055.34	1.00	112.5	22793.4	22693.4	0.0	100.0

```
TT =    0.2500          DTH =  0.0250          ITERR =   1
QU(1) =    26743.73     YU(1) =     1079.61  QU(N) =      558.54  YU(N) =      838.86
FRDM=     0.56  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.250	26743.7	1079.61	1060.00	1055.51	1.00	125.0	26743.7	26743.7	0.0	0.0

```
TT =    0.2750          DTH =  0.0250          ITERR =   1
QU(1) =    31013.75     YU(1) =     1079.56  QU(N) =      558.84  YU(N) =      838.86
FRDM=     0.58  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.275	31013.7	1079.56	1060.00	1055.65	1.00	137.5	31013.7	31013.7	0.0	0.0

```
TT =    0.3000          DTH =  0.0250          ITERR =   1
QU(1) =    42154.33     YU(1) =     1079.50  QU(N) =      559.07  YU(N) =      838.86
FRDM=     1.15  IIFR=    9  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.300	42154.3	1079.50	1060.00	1056.03	1.00	150.0	42154.3	42154.3	0.0	0.0

```
TT =   0.3250          DTH =  0.0250          ITERR =   2
QU(1) =   45222.44     YU(1) =    1079.42  QU(N) =     559.34  YU(N) =     838.86
FRDM=    1.15  IIFR=    9  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.325	45222.4	1079.42	1060.00	1056.18	1.00	162.5	45222.4	45222.4	0.0	0.0

```
TT =   0.3500          DTH =  0.0250          ITERR =   2
QU(1) =   48229.41     YU(1) =    1079.33  QU(N) =     559.60  YU(N) =     838.86
FRDM=    0.59  IIFR=    2  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.350	48229.4	1079.33	1060.00	1056.27	1.00	175.0	48229.4	48229.4	0.0	0.0

```
TT =   0.3750          DTH =  0.0250          ITERR =   1
QU(1) =   51171.28     YU(1) =    1079.24  QU(N) =     560.07  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.375	51171.3	1079.24	1060.00	1056.36	1.00	187.5	51171.3	51171.3	0.0	0.0

```
TT =   0.4000          DTH =  0.0250          ITERR =   2
QU(1) =   54043.45     YU(1) =    1079.14  QU(N) =     560.46  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.400	54043.4	1079.14	1060.00	1056.45	1.00	200.0	54043.4	54043.4	0.0	0.0

```
TT =    0.4250          DTH =  0.0250          ITERR =   2
QU(1) =    56841.58     YU(1) =     1079.04  QU(N) =      560.50  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.08 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.425	56841.6	1079.04	1060.00	1056.54	1.00	212.5	56841.6	56841.6	0.0	0.0

```
TT =    0.4500          DTH =  0.0250          ITERR =   2
QU(1) =    59560.97     YU(1) =     1078.93  QU(N) =      560.52  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.08 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.450	59561.0	1078.93	1060.00	1056.62	1.00	225.0	59561.0	59561.0	0.0	0.0

```
TT =    0.4750          DTH =  0.0250          ITERR =   2
QU(1) =    62198.05     YU(1) =     1078.81  QU(N) =      560.51  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.475	62198.1	1078.81	1060.00	1056.70	1.00	237.5	62198.1	62198.1	0.0	0.0

```
TT =    0.5000          DTH =  0.0250          ITERR =   2
QU(1) =    64748.13     YU(1) =     1078.69  QU(N) =      560.48  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.500	64748.1	1078.69	1060.00	1056.77	1.00	250.0	64748.1	64748.1	0.0	0.0

```
TT =    0.5250          DTH =  0.0250          ITERR =   2
QU(1) =    64080.48     YU(1) =     1078.56  QU(N) =      560.51  YU(N) =      838.86
FRDM=     0.61  IIFR=   16  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.525	64080.5	1078.56	1060.00	1056.76	1.00	250.0	64080.5	64080.5	0.0	0.0

```
TT =    0.5500          DTH =  0.0250          ITERR =   2
QU(1) =    63414.67     YU(1) =     1078.43  QU(N) =      560.46  YU(N) =      838.86
FRDM=     0.63  IIFR=   16  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.550	63414.7	1078.43	1060.00	1056.74	1.00	250.0	63414.7	63414.7	0.0	0.0

```
TT =    0.5625          DTH =  0.0125          ITERR =   1
QU(1) =    63082.37     YU(1) =     1078.37  QU(N) =      560.86  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.563	63082.4	1078.37	1060.00	1056.73	1.00	250.0	63082.4	63082.4	0.0	0.0

```
TT =    0.5750          DTH =  0.0125          ITERR =   2
QU(1) =    62750.86     YU(1) =     1078.31  QU(N) =      561.12  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.575	62750.9	1078.31	1060.00	1056.72	1.00	250.0	62750.9	62750.9	0.0	0.0

```
TT =    0.6000          DTH =  0.0250          ITERR =   2
QU(1) =   62088.51     YU(1) =    1078.18  QU(N) =      560.85  YU(N) =      838.86
FRDM=     0.83  IIFR=   22  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.600	62088.5	1078.18	1060.00	1056.70	1.00	250.0	62088.5	62088.5	0.0	0.0

```
TT =    0.6250          DTH =  0.0250          ITERR =   3
QU(1) =   61428.17     YU(1) =    1078.05  QU(N) =      560.83  YU(N) =      838.86
FRDM=     0.74  IIFR=   22  FRM=0.09 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	0.625	61428.2	1078.05	1060.00	1056.68	1.00	250.0	61428.2	61428.2	0.0	0.0

```
TT =    0.6500          DTH =  0.0250          ITERR =   1
QU(1) =   60769.68     YU(1) =    1077.93  QU(N) =      560.85  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.650	60769.7	1077.93	1060.00	1056.66	1.00	250.0	60769.7	60769.7	0.0	0.0

```
TT =    0.6750          DTH =  0.0250          ITERR =   2
QU(1) =   60113.07     YU(1) =    1077.80  QU(N) =      560.85  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.675	60113.1	1077.80	1060.00	1056.64	1.00	250.0	60113.1	60113.1	0.0	0.0

```
TT =    0.7000          DTH =  0.0250          ITERR =   2
QU(1) =    59457.70     YU(1) =     1077.67  QU(N) =      560.86  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.700	59457.7	1077.67	1060.00	1056.62	1.00	250.0	59457.7	59457.7	0.0	0.0

```
TT =    0.7250          DTH =  0.0250          ITERR =   2
QU(1) =    58804.21     YU(1) =     1077.54  QU(N) =      560.86  YU(N) =      838.86
FRDM=     0.63  IIFR=   25  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.725	58804.2	1077.54	1060.00	1056.60	1.00	250.0	58804.2	58804.2	0.0	0.0

```
TT =    0.7500          DTH =  0.0250          ITERR =   3
QU(1) =    58152.01     YU(1) =     1077.41  QU(N) =      560.81  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	0.750	58152.0	1077.41	1060.00	1056.58	1.00	250.0	58152.0	58152.0	0.0	0.0

```
TT =    0.7750          DTH =  0.0250          ITERR =   1
QU(1) =    57501.73     YU(1) =     1077.29  QU(N) =      560.83  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.775	57501.7	1077.29	1060.00	1056.56	1.00	250.0	57501.7	57501.7	0.0	0.0

```
TT =    0.8000          DTH =  0.0250          ITERR =   2
QU(1) =    56852.77     YU(1) =     1077.16  QU(N) =     560.79  YU(N) =     838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.800	56852.8	1077.16	1060.00	1056.55	1.00	250.0	56852.8	56852.8	0.0	0.0

```
TT =    0.8250          DTH =  0.0250          ITERR =   2
QU(1) =    56205.15     YU(1) =     1077.03  QU(N) =     560.81  YU(N) =     838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.825	56205.1	1077.03	1060.00	1056.53	1.00	250.0	56205.1	56205.1	0.0	0.0

```
TT =    0.8500          DTH =  0.0250          ITERR =   2
QU(1) =    55559.50     YU(1) =     1076.90  QU(N) =     560.81  YU(N) =     838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.850	55559.5	1076.90	1060.00	1056.51	1.00	250.0	55559.5	55559.5	0.0	0.0

```
TT =    0.8750          DTH =  0.0250          ITERR =   2
QU(1) =    54915.23     YU(1) =     1076.77  QU(N) =     560.81  YU(N) =     838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.875	54915.2	1076.77	1060.00	1056.49	1.00	250.0	54915.2	54915.2	0.0	0.0

```
TT =    0.9000          DTH =  0.0250          ITERR =   2
QU(1) =    54271.72     YU(1) =     1076.64  QU(N) =      560.80  YU(N) =      838.86
FRDM=     0.61  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.900	54271.7	1076.64	1060.00	1056.47	1.00	250.0	54271.7	54271.7	0.0	0.0

```
TT =    0.9250          DTH =  0.0250          ITERR =   3
QU(1) =    53629.64     YU(1) =     1076.51  QU(N) =      560.80  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	0.925	53629.6	1076.51	1060.00	1056.45	1.00	250.0	53629.6	53629.6	0.0	0.0

```
TT =    0.9500          DTH =  0.0250          ITERR =   3
QU(1) =    52989.02     YU(1) =     1076.38  QU(N) =      560.89  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	0.950	52989.0	1076.38	1060.00	1056.43	1.00	250.0	52989.0	52989.0	0.0	0.0

```
TT =    0.9750          DTH =  0.0250          ITERR =   3
QU(1) =    52349.24     YU(1) =     1076.25  QU(N) =      560.83  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	0.975	52349.2	1076.25	1060.00	1056.41	1.00	250.0	52349.2	52349.2	0.0	0.0

```
TT =   1.0000          DTH =  0.0250          ITERR =   3
QU(1) =   51710.34     YU(1) =    1076.12  QU(N) =     560.90  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    1.000   51710.3   1076.12   1060.00   1056.39      1.00     250.0   51710.3   51710.3       0.0       0.0

TT =   1.0250          DTH =  0.0250          ITERR =   2
QU(1) =   51074.79     YU(1) =    1075.99  QU(N) =     560.87  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    1.025   51074.8   1075.99   1060.00   1056.37      1.00     250.0   51074.8   51074.8       0.0       0.0

TT =   1.0500          DTH =  0.0250          ITERR =   2
QU(1) =   50444.92     YU(1) =    1075.86  QU(N) =     560.89  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    1.050   50444.9   1075.86   1060.00   1056.35      1.00     250.0   50444.9   50444.9       0.0       0.0

TT =   1.0750          DTH =  0.0250          ITERR =   2
QU(1) =   49821.92     YU(1) =    1075.73  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    1.075   49821.9   1075.73   1060.00   1056.33      1.00     250.0   49821.9   49821.9       0.0       0.0
```

```
TT =    1.1000          DTH =  0.0250          ITERR =   2
QU(1) =    49205.26     YU(1) =     1075.60  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.100	49205.3	1075.60	1060.00	1056.31	1.00	250.0	49205.3	49205.3	0.0	0.0

```
TT =    1.1250          DTH =  0.0250          ITERR =   3
QU(1) =    48595.48     YU(1) =     1075.48  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.125	48595.5	1075.48	1060.00	1056.29	1.00	250.0	48595.5	48595.5	0.0	0.0

```
TT =    1.1500          DTH =  0.0250          ITERR =   3
QU(1) =    47993.14     YU(1) =     1075.35  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.150	47993.1	1075.35	1060.00	1056.27	1.00	250.0	47993.1	47993.1	0.0	0.0

```
TT =    1.1750          DTH =  0.0250          ITERR =   3
QU(1) =    47397.61     YU(1) =     1075.22  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.60  IIFR=    6  FRM=0.10 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.175	47397.6	1075.22	1060.00	1056.25	1.00	250.0	47397.6	47397.6	0.0	0.0

```
TT =    1.2000          DTH =  0.0250          ITERR =   3
QU(1) =    46808.81     YU(1) =     1075.10  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.200   46808.8   1075.10   1060.00   1056.23      1.00     250.0   46808.8   46808.8       0.0       0.0

TT =    1.2250          DTH =  0.0250          ITERR =   3
QU(1) =    46227.30     YU(1) =     1074.98  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.10 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.225   46227.3   1074.98   1060.00   1056.21      1.00     250.0   46227.3   46227.3       0.0       0.0

TT =    1.2500          DTH =  0.0250          ITERR =   3
QU(1) =    45653.04     YU(1) =     1074.85  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.250   45653.0   1074.85   1060.00   1056.19      1.00     250.0   45653.0   45653.0       0.0       0.0

TT =    1.2750          DTH =  0.0250          ITERR =   3
QU(1) =    45085.96     YU(1) =     1074.73  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     1.275   45086.0   1074.73   1060.00   1056.17      1.00     250.0   45086.0   45086.0       0.0       0.0
```

```
TT =    1.3000          DTH =  0.0250          ITERR =   3
QU(1) =    44526.00     YU(1) =     1074.61  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.300	44526.0	1074.61	1060.00	1056.15	1.00	250.0	44526.0	44526.0	0.0	0.0

```
TT =    1.3250          DTH =  0.0250          ITERR =   3
QU(1) =    43973.14     YU(1) =     1074.49  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.325	43973.1	1074.49	1060.00	1056.13	1.00	250.0	43973.1	43973.1	0.0	0.0

```
TT =    1.3500          DTH =  0.0250          ITERR =   3
QU(1) =    43427.30     YU(1) =     1074.37  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.350	43427.3	1074.37	1060.00	1056.12	1.00	250.0	43427.3	43427.3	0.0	0.0

```
TT =    1.3750          DTH =  0.0250          ITERR =   3
QU(1) =    42889.02     YU(1) =     1074.25  QU(N) =     560.88  YU(N) =     838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.375	42889.0	1074.25	1060.00	1056.10	1.00	250.0	42889.0	42889.0	0.0	0.0

```
TT =    1.4000          DTH =  0.0250          ITERR =   6
QU(1) =   42358.22      YU(1) =     1074.14  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	6	1.400	42358.2	1074.14	1060.00	1056.08	1.00	250.0	42358.2	42358.2	0.0	0.0

```
TT =    1.4250          DTH =  0.0250          ITERR =   3
QU(1) =   41834.84      YU(1) =     1074.02  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.425	41834.8	1074.02	1060.00	1056.06	1.00	250.0	41834.8	41834.8	0.0	0.0

```
TT =    1.4500          DTH =  0.0250          ITERR =   3
QU(1) =   41318.85      YU(1) =     1073.91  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.450	41318.9	1073.91	1060.00	1056.04	1.00	250.0	41318.9	41318.9	0.0	0.0

```
TT =    1.4750          DTH =  0.0250          ITERR =   2
QU(1) =   40810.73      YU(1) =     1073.79  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.475	40810.7	1073.79	1060.00	1056.03	1.00	250.0	40810.7	40810.7	0.0	0.0

```
TT =    1.5000          DTH =  0.0250          ITERR =   2
QU(1) =    40309.87     YU(1) =     1073.68  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.500	40309.9	1073.68	1060.00	1056.01	1.00	250.0	40309.9	40309.9	0.0	0.0

```
TT =    1.5250          DTH =  0.0250          ITERR =   2
QU(1) =    39815.97     YU(1) =     1073.57  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.525	39816.0	1073.57	1060.00	1055.99	1.00	250.0	39816.0	39816.0	0.0	0.0

```
TT =    1.5500          DTH =  0.0250          ITERR =   2
QU(1) =    39328.41     YU(1) =     1073.46  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.60  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.550	39328.4	1073.46	1060.00	1055.97	1.00	250.0	39328.4	39328.4	0.0	0.0

```
TT =    1.5750          DTH =  0.0250          ITERR =   2
QU(1) =    38847.38     YU(1) =     1073.35  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.59  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.575	38847.4	1073.35	1060.00	1055.96	1.00	250.0	38847.4	38847.4	0.0	0.0

```
TT =    1.6000          DTH =  0.0250          ITERR =   2
QU(1) =   38372.29     YU(1) =    1073.24  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.600	38372.3	1073.24	1060.00	1055.94	1.00	250.0	38372.3	38372.3	0.0	0.0

```
TT =    1.6250          DTH =  0.0250          ITERR =   3
QU(1) =   37903.63     YU(1) =    1073.14  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.625	37903.6	1073.14	1060.00	1055.92	1.00	250.0	37903.6	37903.6	0.0	0.0

```
TT =    1.6500          DTH =  0.0250          ITERR =   3
QU(1) =   37441.35     YU(1) =    1073.03  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.650	37441.4	1073.03	1060.00	1055.91	1.00	250.0	37441.4	37441.4	0.0	0.0

```
TT =    1.6750          DTH =  0.0250          ITERR =   3
QU(1) =   36985.41     YU(1) =    1072.93  QU(N) =     560.88  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.11 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.675	36985.4	1072.93	1060.00	1055.89	1.00	250.0	36985.4	36985.4	0.0	0.0

```
TT =    1.7000          DTH =  0.0250          ITERR =   2
QU(1) =    36536.30     YU(1) =     1072.82  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.59  IIFR=     6  FRM=0.12 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.700	36536.3	1072.82	1060.00	1055.87	1.00	250.0	36536.3	36536.3	0.0	0.0

```
TT =    1.7250          DTH =  0.0250          ITERR =   2
QU(1) =    36093.43     YU(1) =     1072.72  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.59  IIFR=     6  FRM=0.12 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.725	36093.4	1072.72	1060.00	1055.86	1.00	250.0	36093.4	36093.4	0.0	0.0

```
TT =    1.7500          DTH =  0.0250          ITERR =   3
QU(1) =    35657.29     YU(1) =     1072.62  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.59  IIFR=     6  FRM=0.12 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.750	35657.3	1072.62	1060.00	1055.84	1.00	250.0	35657.3	35657.3	0.0	0.0

```
TT =    1.7750          DTH =  0.0250          ITERR =   3
QU(1) =    35227.81     YU(1) =     1072.52  QU(N) =      560.88  YU(N) =      838.86
FRDM=     0.59  IIFR=     6  FRM=0.12 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.775	35227.8	1072.52	1060.00	1055.83	1.00	250.0	35227.8	35227.8	0.0	0.0

```
TT =    1.8000          DTH =  0.0250          ITERR =   3
QU(1) =    34804.95     YU(1) =     1072.42  QU(N) =     560.86  YU(N) =     838.86
FRDM=     0.59  IIFR=    6  FRM=0.12 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.800	34804.9	1072.42	1060.00	1055.81	1.00	250.0	34804.9	34804.9	0.0	0.0

```
TT =    1.8250          DTH =  0.0250          ITERR =   3
QU(1) =    34389.19     YU(1) =     1072.32  QU(N) =     561.00  YU(N) =     838.86
FRDM=     0.59  IIFR=    6  FRM=0.12 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.825	34389.2	1072.32	1060.00	1055.79	1.00	250.0	34389.2	34389.2	0.0	0.0

```
TT =    1.8500          DTH =  0.0250          ITERR =   2
QU(1) =    33979.93     YU(1) =     1072.22  QU(N) =     560.37  YU(N) =     838.86
FRDM=     0.59  IIFR=    6  FRM=0.12 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.850	33979.9	1072.22	1060.00	1055.78	1.00	250.0	33979.9	33979.9	0.0	0.0

```
TT =    1.8750          DTH =  0.0250          ITERR =   3
QU(1) =    33577.63     YU(1) =     1072.13  QU(N) =     562.51  YU(N) =     838.86
FRDM=     0.59  IIFR=    6  FRM=0.12 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	1.875	33577.6	1072.13	1060.00	1055.76	1.00	250.0	33577.6	33577.6	0.0	0.0

```
TT =    1.9000          DTH =  0.0250          ITERR =   3
QU(1) =   33182.78     YU(1) =     1072.03  QU(N) =     557.02  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    3    1.900   33182.8   1072.03   1060.00   1055.75      1.00     250.0   33182.8   33182.8       0.0      0.0

TT =    1.9250          DTH =  0.0250          ITERR =   3
QU(1) =   32794.77     YU(1) =     1071.94  QU(N) =     578.02  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    3    1.925   32794.8   1071.94   1060.00   1055.73      1.00     250.0   32794.8   32794.8       0.0      0.0

TT =    1.9500          DTH =  0.0250          ITERR =   3
QU(1) =   32414.08     YU(1) =     1071.85  QU(N) =     541.55  YU(N) =     838.86
FRDM=    0.61  IIFR=  180  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    3    1.950   32414.1   1071.85   1060.00   1055.72      1.00     250.0   32414.1   32414.1       0.0      0.0

TT =    1.9531          DTH =  0.0031          ITERR =   2
QU(1) =   32367.04     YU(1) =     1071.83  QU(N) =     541.55  YU(N) =     838.86
FRDM=    0.59  IIFR=    6  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    2    1.953   32367.0   1071.83   1060.00   1055.72      1.00     250.0   32367.0   32367.0       0.0      0.0
```

```
TT =    1.9750          DTH =  0.0219          ITERR =   2
QU(1) =   32040.80     YU(1) =    1071.76  QU(N) =    1233.85  YU(N) =     838.98
FRDM=    0.74  IIFR=  181  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.975   32040.8   1071.76   1060.00   1055.71      1.00     250.0   32040.8   32040.8       0.0       0.0

TT =    2.0000          DTH =  0.0250          ITERR =   2
QU(1) =   31674.86     YU(1) =    1071.67  QU(N) =     833.21  YU(N) =     838.92
FRDM=    0.59  IIFR=    6  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     2.000   31674.9   1071.67   1060.00   1055.69      1.00     250.0   31674.9   31674.9       0.0       0.0

TT =    2.0125          DTH =  0.0125          ITERR =   4
QU(1) =   31494.22     YU(1) =    1071.62  QU(N) =     786.86  YU(N) =     838.91
FRDM=    0.83  IIFR=  182  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    4     2.012   31494.2   1071.62   1060.00   1055.68      1.00     250.0   31494.2   31494.2       0.0       0.0

TT =    2.0250          DTH =  0.0125          ITERR =   3
QU(1) =   31314.21     YU(1) =    1071.58  QU(N) =     561.09  YU(N) =     838.86
FRDM=    0.83  IIFR=  182  FRM=0.12 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     2.025   31314.2   1071.58   1060.00   1055.68      1.00     250.0   31314.2   31314.2       0.0       0.0
```

```
TT =   2.0500          DTH =  0.0250          ITERR =   3
QU(1) =   30957.80     YU(1) =    1071.49  QU(N) =    1050.50  YU(N) =     838.95
FRDM=    0.63  IIFR=  187  FRM=0.12 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	2.050	30957.8	1071.49	1060.00	1055.66	1.00	250.0	30957.8	30957.8	0.0	0.0

```
TT =   2.0750          DTH =  0.0250          ITERR =   1
QU(1) =   30605.08     YU(1) =    1071.40  QU(N) =    1396.31  YU(N) =     839.01
FRDM=    1.02  IIFR=  183  FRM=0.13 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.075	30605.1	1071.40	1060.00	1055.65	1.00	250.0	30605.1	30605.1	0.0	0.0

```
TT =   2.1000          DTH =  0.0250          ITERR =   2
QU(1) =   30256.36     YU(1) =    1071.32  QU(N) =    1007.23  YU(N) =     838.95
FRDM=    0.59  IIFR=    6  FRM=0.13 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.100	30256.4	1071.32	1060.00	1055.64	1.00	250.0	30256.4	30256.4	0.0	0.0

```
TT =   2.1250          DTH =  0.0250          ITERR =   3
QU(1) =   29911.52     YU(1) =    1071.23  QU(N) =    1014.82  YU(N) =     838.95
FRDM=    0.59  IIFR=    6  FRM=0.13 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	2.125	29911.5	1071.23	1060.00	1055.62	1.00	250.0	29911.5	29911.5	0.0	0.0

```
TT =    2.1500          DTH =  0.0250          ITERR =    2
QU(1) =    29571.08     YU(1) =     1071.15  QU(N) =     1623.20  YU(N) =      839.04
FRDM=     0.59  IIFR=    6  FRM=0.13 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.150	29571.1	1071.15	1060.00	1055.61	1.00	250.0	29571.1	29571.1	0.0	0.0

```
TT =    2.1750          DTH =  0.0250          ITERR =    2
QU(1) =    29234.50     YU(1) =     1071.06  QU(N) =     1446.05  YU(N) =      839.02
FRDM=     0.59  IIFR=  188  FRM=0.13 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.175	29234.5	1071.06	1060.00	1055.60	1.00	250.0	29234.5	29234.5	0.0	0.0

```
TT =    2.2000          DTH =  0.0250          ITERR =    3
QU(1) =    28902.26     YU(1) =     1070.98  QU(N) =      888.38  YU(N) =      838.93
FRDM=     1.08  IIFR=  186  FRM=0.13 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	2.200	28902.3	1070.98	1060.00	1055.58	1.00	250.0	28902.3	28902.3	0.0	0.0

```
TT =    2.2250          DTH =  0.0250          ITERR =    3
QU(1) =    28573.82     YU(1) =     1070.90  QU(N) =     1076.95  YU(N) =      838.96
FRDM=     1.64  IIFR=  186  FRM=0.13 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	2.225	28573.8	1070.90	1060.00	1055.57	1.00	250.0	28573.8	28573.8	0.0	0.0

```
TT =   2.2500          DTH =  0.0250          ITERR =   2
QU(1) =   28249.68     YU(1) =    1070.81  QU(N) =    1694.26  YU(N) =     839.05
FRDM=    0.58  IIFR=    6  FRM=0.10 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.250	28249.7	1070.81	1060.00	1055.56	1.00	250.0	28249.7	28249.7	0.0	0.0

```
TT =   2.2750          DTH =  0.0250          ITERR =   7
QU(1) =   27929.77     YU(1) =    1070.73  QU(N) =    1875.67  YU(N) =     839.08
FRDM=    0.58  IIFR=    6  FRM=0.10 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	7	2.275	27929.8	1070.73	1060.00	1055.54	1.00	250.0	27929.8	27929.8	0.0	0.0

```
TT =   2.3000          DTH =  0.0250          ITERR =   2
QU(1) =   27614.08     YU(1) =    1070.65  QU(N) =    1414.18  YU(N) =     839.02
FRDM=    0.86  IIFR=  188  FRM=0.13 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.300	27614.1	1070.65	1060.00	1055.53	1.00	250.0	27614.1	27614.1	0.0	0.0

```
TT =   2.3250          DTH =  0.0250          ITERR =   2
QU(1) =   27302.60     YU(1) =    1070.57  QU(N) =    1414.18  YU(N) =     839.02
FRDM=    1.21  IIFR=  188  FRM=0.13 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.325	27302.6	1070.57	1060.00	1055.52	1.00	250.0	27302.6	27302.6	0.0	0.0

```
TT =    2.3500          DTH =  0.0250          ITERR =   2
QU(1) =    26995.26     YU(1) =     1070.49  QU(N) =     2036.95  YU(N) =     839.09
FRDM=     0.58  IIFR=    6  FRM=0.11 IIFM=  188
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.350	26995.3	1070.49	1060.00	1055.50	1.00	250.0	26995.3	26995.3	0.0	0.0

```
TT =    2.3750          DTH =  0.0250          ITERR =   3
QU(1) =    26692.55     YU(1) =     1070.41  QU(N) =     2567.79  YU(N) =     839.15
FRDM=     0.66  IIFR=  189  FRM=0.14 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	2.375	26692.6	1070.41	1060.00	1055.49	1.00	250.0	26692.6	26692.6	0.0	0.0

```
TT =    2.4000          DTH =  0.0250          ITERR =   2
QU(1) =    26393.93     YU(1) =     1070.34  QU(N) =     2737.79  YU(N) =     839.18
FRDM=     0.58  IIFR=    6  FRM=0.12 IIFM=  190
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.400	26393.9	1070.34	1060.00	1055.48	1.00	250.0	26393.9	26393.9	0.0	0.0

```
TT =    2.4250          DTH =  0.0250          ITERR =   2
QU(1) =    26099.86     YU(1) =     1070.26  QU(N) =     1394.26  YU(N) =     839.02
FRDM=     0.58  IIFR=    6  FRM=0.12 IIFM=  190
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.425	26099.9	1070.26	1060.00	1055.47	1.00	250.0	26099.9	26099.9	0.0	0.0

```
TT =   2.4500          DTH =  0.0250          ITERR =   1
QU(1) =   25810.28     YU(1) =    1070.18  QU(N) =     852.24  YU(N) =     838.92
FRDM=    0.58  IIFR=    6  FRM=0.14 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.450   25810.3   1070.18   1060.00   1055.45      1.00     250.0   25810.3   25810.3       0.0       0.0

TT =   2.4753          DTH =  0.0253          ITERR =   1
QU(1) =   25522.38     YU(1) =    1070.11  QU(N) =    1869.07  YU(N) =     839.05
FRDM=    0.67  IIFR=  191  FRM=0.14 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.475   25522.4   1070.11   1060.00   1055.44      1.00     250.0   25522.4   25522.4       0.0       0.0

TT =   2.5008          DTH =  0.0255          ITERR =   1
QU(1) =   25236.23     YU(1) =    1070.03  QU(N) =    4592.89  YU(N) =     839.29
FRDM=    0.58  IIFR=    6  FRM=0.06 IIFM=  191

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.501   25236.2   1070.03   1060.00   1055.43      1.00     250.0   25236.2   25236.2       0.0       0.0

TT =   2.5265          DTH =  0.0258          ITERR =   7
QU(1) =   24951.60     YU(1) =    1069.96  QU(N) =    5388.92  YU(N) =     839.38
FRDM=    0.58  IIFR=    6  FRM=0.14 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    7    2.527   24951.6   1069.96   1060.00   1055.42      1.00     250.0   24951.6   24951.6       0.0       0.0
```

```
TT =   2.5523          DTH =  0.0258          ITERR =   1
QU(1) =   24670.25     YU(1) =    1069.88  QU(N) =    4550.38  YU(N) =     839.32
FRDM=    0.58  IIFR=    6  FRM=0.14 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.552	24670.2	1069.88	1060.00	1055.41	1.00	250.0	24670.2	24670.2	0.0	0.0

```
TT =   2.5780          DTH =  0.0258          ITERR =   2
QU(1) =   24392.43     YU(1) =    1069.81  QU(N) =    1209.80  YU(N) =     838.99
FRDM=    0.58  IIFR=    6  FRM=0.14 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.578	24392.4	1069.81	1060.00	1055.39	1.00	250.0	24392.4	24392.4	0.0	0.0

```
TT =   2.6038          DTH =  0.0258          ITERR =   1
QU(1) =   24117.99     YU(1) =    1069.74  QU(N) =    1355.44  YU(N) =     838.98
FRDM=    0.58  IIFR=    6  FRM=0.14 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.604	24118.0	1069.74	1060.00	1055.38	1.00	250.0	24118.0	24118.0	0.0	0.0

```
TT =   2.6295          DTH =  0.0258          ITERR =   2
QU(1) =   23847.04     YU(1) =    1069.66  QU(N) =    6754.12  YU(N) =     839.37
FRDM=    0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	2.630	23847.0	1069.66	1060.00	1055.37	1.00	250.0	23847.0	23847.0	0.0	0.0

```
TT =    2.6553          DTH =  0.0258          ITERR =    1
QU(1) =    23579.89     YU(1) =     1069.59  QU(N) =    16788.55  YU(N) =     839.76
FRDM=     0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.655	23579.9	1069.59	1060.00	1055.36	1.00	250.0	23579.9	23579.9	0.0	0.0

```
TT =    2.6811          DTH =  0.0258          ITERR =    1
QU(1) =    23316.15     YU(1) =     1069.52  QU(N) =    27322.40  YU(N) =     840.04
FRDM=     0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.681	23316.2	1069.52	1060.00	1055.35	1.00	250.0	23316.2	23316.2	0.0	0.0

```
TT =    2.7068          DTH =  0.0258          ITERR =    1
QU(1) =    23056.23     YU(1) =     1069.45  QU(N) =    36996.48  YU(N) =     840.23
FRDM=     0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.707	23056.2	1069.45	1060.00	1055.34	1.00	250.0	23056.2	23056.2	0.0	0.0

```
TT =    2.7326          DTH =  0.0258          ITERR =    1
QU(1) =    22800.09     YU(1) =     1069.38  QU(N) =    43152.58  YU(N) =     840.34
FRDM=     0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.733	22800.1	1069.38	1060.00	1055.32	1.00	250.0	22800.1	22800.1	0.0	0.0

```
TT =   2.7583          DTH =  0.0258          ITERR =   0
QU(1) =   22547.17     YU(1) =    1069.31  QU(N) =   46739.23  YU(N) =     840.41
FRDM=    0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.758	22547.2	1069.31	1060.00	1055.31	1.00	250.0	22547.2	22547.2	0.0	0.0

```
TT =   2.7841          DTH =  0.0258          ITERR =   0
QU(1) =   22298.92     YU(1) =    1069.24  QU(N) =   48821.83  YU(N) =     840.46
FRDM=    0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.784	22298.9	1069.24	1060.00	1055.30	1.00	250.0	22298.9	22298.9	0.0	0.0

```
TT =   2.8101          DTH =  0.0260          ITERR =   0
QU(1) =   22052.42     YU(1) =    1069.17  QU(N) =   49957.77  YU(N) =     840.48
FRDM=    0.58  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.810	22052.4	1069.17	1060.00	1055.29	1.00	250.0	22052.4	22052.4	0.0	0.0

```
TT =   2.8364          DTH =  0.0263          ITERR =   0
QU(1) =   21807.47     YU(1) =    1069.10  QU(N) =   50501.02  YU(N) =     840.49
FRDM=    0.57  IIFR=    6  FRM=0.15 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.836	21807.5	1069.10	1060.00	1055.28	1.00	250.0	21807.5	21807.5	0.0	0.0

```
TT =    2.8629          DTH =  0.0265          ITERR =    0
QU(1) =    21564.10     YU(1) =     1069.04  QU(N) =    50652.84  YU(N) =      840.50
FRDM=     0.57  IIFR=    6  FRM=0.16 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.863	21564.1	1069.04	1060.00	1055.27	1.00	250.0	21564.1	21564.1	0.0	0.0

```
TT =    2.8897          DTH =  0.0268          ITERR =    0
QU(1) =    21322.74     YU(1) =     1068.97  QU(N) =    50557.60  YU(N) =      840.50
FRDM=     0.57  IIFR=    6  FRM=0.16 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.890	21322.7	1068.97	1060.00	1055.26	1.00	250.0	21322.7	21322.7	0.0	0.0

```
TT =    2.9168          DTH =  0.0271          ITERR =    0
QU(1) =    21082.98     YU(1) =     1068.90  QU(N) =    50305.48  YU(N) =      840.50
FRDM=     0.57  IIFR=    6  FRM=0.16 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.917	21083.0	1068.90	1060.00	1055.25	1.00	250.0	21083.0	21083.0	0.0	0.0

```
TT =    2.9441          DTH =  0.0273          ITERR =    0
QU(1) =    20845.68     YU(1) =     1068.83  QU(N) =    49949.67  YU(N) =      840.49
FRDM=     0.57  IIFR=    6  FRM=0.16 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.944	20845.7	1068.83	1060.00	1055.24	1.00	250.0	20845.7	20845.7	0.0	0.0

```
TT =   2.9717          DTH =  0.0276          ITERR =   0
QU(1) =   20610.84     YU(1) =    1068.77  QU(N) =   49532.56  YU(N) =     840.49
FRDM=    0.57  IIFR=    6  FRM=0.16 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.972	20610.8	1068.77	1060.00	1055.23	1.00	250.0	20610.8	20610.8	0.0	0.0

```
TT =   2.9996          DTH =  0.0279          ITERR =   0
QU(1) =   20378.46     YU(1) =    1068.70  QU(N) =   49076.39  YU(N) =     840.48
FRDM=    0.57  IIFR=    6  FRM=0.16 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.000	20378.5	1068.70	1060.00	1055.21	1.00	250.0	20378.5	20378.5	0.0	0.0

```
TT =   3.0278          DTH =  0.0282          ITERR =   0
QU(1) =   20149.67     YU(1) =    1068.64  QU(N) =   48595.18  YU(N) =     840.47
FRDM=    0.57  IIFR=    6  FRM=0.16 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.028	20149.7	1068.64	1060.00	1055.20	1.00	250.0	20149.7	20149.7	0.0	0.0

```
TT =   3.0563          DTH =  0.0285          ITERR =   0
QU(1) =   19925.39     YU(1) =    1068.57  QU(N) =   48101.02  YU(N) =     840.46
FRDM=    0.57  IIFR=    6  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.056	19925.4	1068.57	1060.00	1055.19	1.00	250.0	19925.4	19925.4	0.0	0.0

```
TT =   3.0850          DTH =  0.0287          ITERR =   0
QU(1) =   19705.80     YU(1) =    1068.51  QU(N) =   47596.37  YU(N) =     840.46
FRDM=    0.57  IIFR=    6  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.085	19705.8	1068.51	1060.00	1055.18	1.00	250.0	19705.8	19705.8	0.0	0.0

```
TT =   3.1140          DTH =  0.0290          ITERR =   0
QU(1) =   19491.26     YU(1) =    1068.45  QU(N) =   47089.36  YU(N) =     840.45
FRDM=    0.57  IIFR=    6  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.114	19491.3	1068.45	1060.00	1055.17	1.00	250.0	19491.3	19491.3	0.0	0.0

```
TT =   3.1433          DTH =  0.0293          ITERR =   0
QU(1) =   19282.18     YU(1) =    1068.39  QU(N) =   46582.12  YU(N) =     840.44
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.143	19282.2	1068.39	1060.00	1055.16	1.00	250.0	19282.2	19282.2	0.0	0.0

```
TT =   3.1729          DTH =  0.0296          ITERR =   0
QU(1) =   19078.96     YU(1) =    1068.33  QU(N) =   46072.58  YU(N) =     840.43
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.173	19079.0	1068.33	1060.00	1055.15	1.00	250.0	19079.0	19079.0	0.0	0.0

```
TT =   3.2028          DTH =  0.0299          ITERR =   0
QU(1) =   18881.96     YU(1) =    1068.27  QU(N) =   45565.23  YU(N) =     840.42
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.203	18882.0	1068.27	1060.00	1055.14	1.00	250.0	18882.0	18882.0	0.0	0.0

```
TT =   3.2331          DTH =  0.0302          ITERR =   0
QU(1) =   18691.55     YU(1) =    1068.21  QU(N) =   45057.83  YU(N) =     840.42
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.233	18691.5	1068.21	1060.00	1055.14	1.00	250.0	18691.5	18691.5	0.0	0.0

```
TT =   3.2636          DTH =  0.0305          ITERR =   0
QU(1) =   18508.51     YU(1) =    1068.16  QU(N) =   44556.61  YU(N) =     840.41
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.264	18508.5	1068.16	1060.00	1055.13	1.00	250.0	18508.5	18508.5	0.0	0.0

```
TT =   3.2944          DTH =  0.0308          ITERR =   0
QU(1) =   18332.78     YU(1) =    1068.11  QU(N) =   44054.48  YU(N) =     840.40
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.294	18332.8	1068.11	1060.00	1055.12	1.00	250.0	18332.8	18332.8	0.0	0.0

```
TT =    3.3255          DTH =  0.0311          ITERR =    0
QU(1) =    18165.10     YU(1) =     1068.06  QU(N) =    43550.32  YU(N) =     840.39
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.325	18165.1	1068.06	1060.00	1055.11	1.00	250.0	18165.1	18165.1	0.0	0.0

```
TT =    3.3569          DTH =  0.0314          ITERR =    0
QU(1) =    18005.41     YU(1) =     1068.01  QU(N) =    43050.20  YU(N) =     840.38
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.357	18005.4	1068.01	1060.00	1055.10	1.00	250.0	18005.4	18005.4	0.0	0.0

```
TT =    3.3887          DTH =  0.0317          ITERR =    0
QU(1) =    17855.50     YU(1) =     1067.96  QU(N) =    42546.09  YU(N) =     840.38
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.389	17855.5	1067.96	1060.00	1055.09	1.00	250.0	17855.5	17855.5	0.0	0.0

```
TT =    3.4207          DTH =  0.0321          ITERR =    0
QU(1) =    17717.27     YU(1) =     1067.92  QU(N) =    42043.84  YU(N) =     840.37
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.421	17717.3	1067.92	1060.00	1055.09	1.00	250.0	17717.3	17717.3	0.0	0.0

```
TT =   3.4531          DTH =  0.0324          ITERR =   0
QU(1) =   17590.71     YU(1) =    1067.88  QU(N) =   41541.61  YU(N) =     840.36
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.453	17590.7	1067.88	1060.00	1055.08	1.00	250.0	17590.7	17590.7	0.0	0.0

```
TT =   3.4858          DTH =  0.0327          ITERR =   0
QU(1) =   17475.37     YU(1) =    1067.85  QU(N) =   41040.80  YU(N) =     840.35
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.486	17475.4	1067.85	1060.00	1055.08	1.00	250.0	17475.4	17475.4	0.0	0.0

```
TT =   3.5188          DTH =  0.0330          ITERR =   0
QU(1) =   17370.82     YU(1) =    1067.82  QU(N) =   40539.36  YU(N) =     840.34
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.519	17370.8	1067.82	1060.00	1055.07	1.00	250.0	17370.8	17370.8	0.0	0.0

```
TT =   3.5522          DTH =  0.0334          ITERR =   0
QU(1) =   17277.63     YU(1) =    1067.79  QU(N) =   40039.68  YU(N) =     840.33
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.552	17277.6	1067.79	1060.00	1055.07	1.00	250.0	17277.6	17277.6	0.0	0.0

```
TT =    3.5859          DTH =  0.0337          ITERR =    0
QU(1) =    17195.71     YU(1) =     1067.76  QU(N) =    39544.60  YU(N) =      840.32
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.586	17195.7	1067.76	1060.00	1055.06	1.00	250.0	17195.7	17195.7	0.0	0.0

```
TT =    3.6199          DTH =  0.0340          ITERR =    0
QU(1) =    17124.31     YU(1) =     1067.74  QU(N) =    39049.09  YU(N) =      840.32
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.620	17124.3	1067.74	1060.00	1055.06	1.00	250.0	17124.3	17124.3	0.0	0.0

```
TT =    3.6543          DTH =  0.0344          ITERR =    0
QU(1) =    17062.58     YU(1) =     1067.72  QU(N) =    38560.08  YU(N) =      840.31
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.654	17062.6	1067.72	1060.00	1055.06	1.00	250.0	17062.6	17062.6	0.0	0.0

```
TT =    3.6890          DTH =  0.0347          ITERR =    0
QU(1) =    17010.47     YU(1) =     1067.71  QU(N) =    38073.66  YU(N) =      840.30
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.689	17010.5	1067.71	1060.00	1055.05	1.00	250.0	17010.5	17010.5	0.0	0.0

```
TT =   3.7241          DTH =  0.0351          ITERR =   0
QU(1) =   16967.55     YU(1) =    1067.69  QU(N) =   37586.55  YU(N) =     840.29
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.724	16967.5	1067.69	1060.00	1055.05	1.00	250.0	16967.5	16967.5	0.0	0.0

```
TT =   3.7595          DTH =  0.0354          ITERR =   0
QU(1) =   16933.02     YU(1) =    1067.68  QU(N) =   37109.07  YU(N) =     840.28
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.759	16933.0	1067.68	1060.00	1055.05	1.00	250.0	16933.0	16933.0	0.0	0.0

```
TT =   3.7953          DTH =  0.0358          ITERR =   0
QU(1) =   16906.46     YU(1) =    1067.68  QU(N) =   36629.50  YU(N) =     840.27
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.795	16906.5	1067.68	1060.00	1055.05	1.00	250.0	16906.5	16906.5	0.0	0.0

```
TT =   3.8314          DTH =  0.0361          ITERR =   0
QU(1) =   16887.86     YU(1) =    1067.67  QU(N) =   36152.34  YU(N) =     840.27
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.831	16887.9	1067.67	1060.00	1055.05	1.00	250.0	16887.9	16887.9	0.0	0.0

```
TT =    3.8679          DTH =   0.0365          ITERR =    0
QU(1) =    16876.44     YU(1) =     1067.67  QU(N) =    35677.79  YU(N) =      840.26
FRDM=    0.57  IIFR=    16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.868   16876.4   1067.67   1060.00   1055.05      1.00     250.0   16876.4   16876.4       0.0       0.0

TT =    3.9047          DTH =   0.0369          ITERR =    0
QU(1) =    16871.82     YU(1) =     1067.67  QU(N) =    35207.55  YU(N) =      840.25
FRDM=    0.57  IIFR=    16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.905   16871.8   1067.67   1060.00   1055.05      1.00     250.0   16871.8   16871.8       0.0       0.0

TT =    3.9420          DTH =   0.0372          ITERR =    0
QU(1) =    16873.60     YU(1) =     1067.67  QU(N) =    34741.70  YU(N) =      840.24
FRDM=    0.57  IIFR=    16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.942   16873.6   1067.67   1060.00   1055.05      1.00     250.0   16873.6   16873.6       0.0       0.0

TT =    3.9795          DTH =   0.0376          ITERR =    0
QU(1) =    16881.76     YU(1) =     1067.67  QU(N) =    34280.61  YU(N) =      840.23
FRDM=    0.57  IIFR=    16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.980   16881.8   1067.67   1060.00   1055.05      1.00     250.0   16881.8   16881.8       0.0       0.0
```

```
TT =    4.0175          DTH =  0.0380          ITERR =    0
QU(1) =    16898.10     YU(1) =     1067.67  QU(N) =    33822.93  YU(N) =      840.22
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.018	16898.1	1067.67	1060.00	1055.05	1.00	250.0	16898.1	16898.1	0.0	0.0

```
TT =    4.0559          DTH =  0.0383          ITERR =    0
QU(1) =    16927.83     YU(1) =     1067.68  QU(N) =    33372.74  YU(N) =      840.22
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.056	16927.8	1067.68	1060.00	1055.05	1.00	250.0	16927.8	16927.8	0.0	0.0

```
TT =    4.0946          DTH =  0.0387          ITERR =    0
QU(1) =    16972.95     YU(1) =     1067.70  QU(N) =    32926.54  YU(N) =      840.21
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.095	16972.9	1067.70	1060.00	1055.05	1.00	250.0	16972.9	16972.9	0.0	0.0

```
TT =    4.1337          DTH =  0.0391          ITERR =    0
QU(1) =    17032.32     YU(1) =     1067.71  QU(N) =    32484.83  YU(N) =      840.20
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.134	17032.3	1067.71	1060.00	1055.05	1.00	250.0	17032.3	17032.3	0.0	0.0

```
TT =    4.1732          DTH =  0.0395          ITERR =    0
QU(1) =    17105.62     YU(1) =    1067.74  QU(N) =    32049.57  YU(N) =      840.19
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.173   17105.6   1067.74   1060.00   1055.06      1.00     250.0   17105.6   17105.6       0.0       0.0

TT =    4.2131          DTH =  0.0399          ITERR =    0
QU(1) =    17191.45     YU(1) =    1067.76  QU(N) =    31619.38  YU(N) =      840.18
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.213   17191.4   1067.76   1060.00   1055.06      1.00     250.0   17191.4   17191.4       0.0       0.0

TT =    4.2534          DTH =  0.0403          ITERR =    0
QU(1) =    17289.43     YU(1) =    1067.79  QU(N) =    31196.39  YU(N) =      840.18
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.253   17289.4   1067.79   1060.00   1055.07      1.00     250.0   17289.4   17289.4       0.0       0.0

TT =    4.2942          DTH =  0.0407          ITERR =    0
QU(1) =    17398.88     YU(1) =    1067.83  QU(N) =    30773.33  YU(N) =      840.17
FRDM=     0.57  IIFR=   16  FRM=0.19 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.294   17398.9   1067.83   1060.00   1055.07      1.00     250.0   17398.9   17398.9       0.0       0.0
```

```
TT =    4.3353          DTH =  0.0411          ITERR =   0
QU(1) =    17518.76     YU(1) =     1067.86  QU(N) =    30353.31  YU(N) =     840.16
FRDM=    0.57  IIFR=   16  FRM=0.19 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB    QU(1)   QBRECH   QOVTOP   QOTHR
1    0     4.335   17518.8   1067.86   1060.00   1055.08      1.00     250.0   17518.8  17518.8      0.0     0.0

TT =    4.3768          DTH =  0.0415          ITERR =   0
QU(1) =    17648.75     YU(1) =     1067.90  QU(N) =    29936.98  YU(N) =     840.15
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB    QU(1)   QBRECH   QOVTOP   QOTHR
1    0     4.377   17648.8   1067.90   1060.00   1055.08      1.00     250.0   17648.8  17648.8      0.0     0.0

TT =    4.4187          DTH =  0.0419          ITERR =   0
QU(1) =    17788.17     YU(1) =     1067.94  QU(N) =    29522.15  YU(N) =     840.15
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB    QU(1)   QBRECH   QOVTOP   QOTHR
1    0     4.419   17788.2   1067.94   1060.00   1055.09      1.00     250.0   17788.2  17788.2      0.0     0.0

TT =    4.4611          DTH =  0.0424          ITERR =   0
QU(1) =    17936.34     YU(1) =     1067.99  QU(N) =    29106.95  YU(N) =     840.14
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB    QU(1)   QBRECH   QOVTOP   QOTHR
1    0     4.461   17936.3   1067.99   1060.00   1055.10      1.00     250.0   17936.3  17936.3      0.0     0.0
```

```
TT =    4.5039          DTH =  0.0428          ITERR =    0
QU(1) =    18091.30     YU(1) =     1068.03  QU(N) =    28693.35  YU(N) =      840.13
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.504   18091.3   1068.03   1060.00   1055.11      1.00     250.0   18091.3   18091.3       0.0       0.0

TT =    4.5471          DTH =  0.0432          ITERR =    0
QU(1) =    18246.09     YU(1) =     1068.08  QU(N) =    28282.14  YU(N) =      840.12
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.547   18246.1   1068.08   1060.00   1055.11      1.00     250.0   18246.1   18246.1       0.0       0.0

TT =    4.5907          DTH =  0.0436          ITERR =    0
QU(1) =    18395.90     YU(1) =     1068.12  QU(N) =    27868.87  YU(N) =      840.11
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.591   18395.9   1068.12   1060.00   1055.12      1.00     250.0   18395.9   18395.9       0.0       0.0

TT =    4.6348          DTH =  0.0441          ITERR =    0
QU(1) =    18542.17     YU(1) =     1068.17  QU(N) =    27459.99  YU(N) =      840.11
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.635   18542.2   1068.17   1060.00   1055.13      1.00     250.0   18542.2   18542.2       0.0       0.0
```

```
TT =    4.6793          DTH =  0.0445          ITERR =    0
QU(1) =    18685.46     YU(1) =     1068.21  QU(N) =    27055.44  YU(N) =      840.10
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.679	18685.5	1068.21	1060.00	1055.13	1.00	250.0	18685.5	18685.5	0.0	0.0

```
TT =    4.7243          DTH =  0.0450          ITERR =    0
QU(1) =    18826.08     YU(1) =     1068.25  QU(N) =    26656.68  YU(N) =      840.09
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.724	18826.1	1068.25	1060.00	1055.14	1.00	250.0	18826.1	18826.1	0.0	0.0

```
TT =    4.7697          DTH =  0.0454          ITERR =    0
QU(1) =    18964.68     YU(1) =     1068.29  QU(N) =    26256.11  YU(N) =      840.08
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.770	18964.7	1068.29	1060.00	1055.15	1.00	250.0	18964.7	18964.7	0.0	0.0

```
TT =    4.8156          DTH =  0.0459          ITERR =    0
QU(1) =    19101.61     YU(1) =     1068.33  QU(N) =    25865.32  YU(N) =      840.07
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.816	19101.6	1068.33	1060.00	1055.15	1.00	250.0	19101.6	19101.6	0.0	0.0

```
TT =    4.8619          DTH =  0.0463          ITERR =    0
QU(1) =    19237.58     YU(1) =     1068.37  QU(N) =    25476.96  YU(N) =     840.07
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.862	19237.6	1068.37	1060.00	1055.16	1.00	250.0	19237.6	19237.6	0.0	0.0

```
TT =    4.9087          DTH =  0.0468          ITERR =    0
QU(1) =    19372.57     YU(1) =     1068.41  QU(N) =    25096.02  YU(N) =     840.06
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.909	19372.6	1068.41	1060.00	1055.17	1.00	250.0	19372.6	19372.6	0.0	0.0

```
TT =    4.9560          DTH =  0.0473          ITERR =    0
QU(1) =    19506.93     YU(1) =     1068.45  QU(N) =    24716.65  YU(N) =     840.05
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.956	19506.9	1068.45	1060.00	1055.17	1.00	250.0	19506.9	19506.9	0.0	0.0

```
TT =    5.0037          DTH =  0.0477          ITERR =    0
QU(1) =    19639.22     YU(1) =     1068.49  QU(N) =    24346.40  YU(N) =     840.04
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.004	19639.2	1068.49	1060.00	1055.18	1.00	250.0	19639.2	19639.2	0.0	0.0

```
TT =    5.0519          DTH =  0.0482          ITERR =    0
QU(1) =    19746.71     YU(1) =     1068.52  QU(N) =    23976.51  YU(N) =     840.04
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.052	19746.7	1068.52	1060.00	1055.18	1.00	250.0	19746.7	19746.7	0.0	0.0

```
TT =    5.1006          DTH =  0.0487          ITERR =    0
QU(1) =    19811.09     YU(1) =     1068.54  QU(N) =    23610.45  YU(N) =     840.03
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.101	19811.1	1068.54	1060.00	1055.19	1.00	250.0	19811.1	19811.1	0.0	0.0

```
TT =    5.1498          DTH =  0.0492          ITERR =    0
QU(1) =    19836.14     YU(1) =     1068.55  QU(N) =    23250.21  YU(N) =     840.02
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.150	19836.1	1068.55	1060.00	1055.19	1.00	250.0	19836.1	19836.1	0.0	0.0

```
TT =    5.1995          DTH =  0.0497          ITERR =    0
QU(1) =    19824.46     YU(1) =     1068.54  QU(N) =    22895.16  YU(N) =     840.01
FRDM=     0.57  IIFR=   16  FRM=0.17 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.199	19824.5	1068.54	1060.00	1055.19	1.00	250.0	19824.5	19824.5	0.0	0.0

```
TT =    5.2497          DTH =  0.0502          ITERR =    0
QU(1) =    19777.89     YU(1) =     1068.53  QU(N) =    22547.26  YU(N) =      840.01
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.250    19777.9   1068.53   1060.00   1055.19      1.00     250.0   19777.9   19777.9       0.0       0.0

TT =    5.3003          DTH =  0.0507          ITERR =    0
QU(1) =    19697.63     YU(1) =     1068.51  QU(N) =    22203.48  YU(N) =      840.00
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.300    19697.6   1068.51   1060.00   1055.18      1.00     250.0   19697.6   19697.6       0.0       0.0

TT =    5.3515          DTH =  0.0512          ITERR =    0
QU(1) =    19585.02     YU(1) =     1068.47  QU(N) =    21907.16  YU(N) =      839.99
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.352    19585.0   1068.47   1060.00   1055.18      1.00     250.0   19585.0   19585.0       0.0       0.0

TT =    5.4032          DTH =  0.0517          ITERR =    0
QU(1) =    19440.65     YU(1) =     1068.43  QU(N) =    21584.43  YU(N) =      839.98
FRDM=     0.57  IIFR=    16  FRM=0.17 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.403    19440.7   1068.43   1060.00   1055.17      1.00     250.0   19440.7   19440.7       0.0       0.0
```

```
TT =    5.4554          DTH =  0.0522          ITERR =   0
QU(1) =    19264.39     YU(1) =     1068.38  QU(N) =    21261.54  YU(N) =     839.97
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    5.455   19264.4   1068.38   1060.00   1055.16      1.00     250.0   19264.4   19264.4       0.0       0.0

TT =    5.5081          DTH =  0.0527          ITERR =   0
QU(1) =    19055.56     YU(1) =     1068.32  QU(N) =    20937.69  YU(N) =     839.96
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    5.508   19055.6   1068.32   1060.00   1055.15      1.00     250.0   19055.6   19055.6       0.0       0.0

TT =    5.5614          DTH =  0.0533          ITERR =   0
QU(1) =    18806.74     YU(1) =     1068.25  QU(N) =    20619.70  YU(N) =     839.96
FRDM=    0.57  IIFR=   16  FRM=0.17 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    5.561   18806.7   1068.25   1060.00   1055.14      1.00     250.0   18806.7   18806.7       0.0       0.0

TT =    5.6152          DTH =  0.0538          ITERR =   0
QU(1) =    18510.80     YU(1) =     1068.16  QU(N) =    20311.28  YU(N) =     839.95
FRDM=    0.57  IIFR=   16  FRM=0.18 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    5.615   18510.8   1068.16   1060.00   1055.13      1.00     250.0   18510.8   18510.8       0.0       0.0
```

```
TT =    5.6695          DTH =  0.0543          ITERR =    0
QU(1) =    18165.45     YU(1) =     1068.06  QU(N) =    20001.97  YU(N) =     839.94
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.669	18165.4	1068.06	1060.00	1055.11	1.00	250.0	18165.4	18165.4	0.0	0.0

```
TT =    5.7244          DTH =  0.0549          ITERR =    0
QU(1) =    17766.24     YU(1) =     1067.94  QU(N) =    19705.39  YU(N) =     839.93
FRDM=     0.57  IIFR=    16  FRM=0.18 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.724	17766.2	1067.94	1060.00	1055.09	1.00	250.0	17766.2	17766.2	0.0	0.0

```
TT =    5.7798          DTH =  0.0554          ITERR =    0
QU(1) =    17332.82     YU(1) =     1067.81  QU(N) =    19418.18  YU(N) =     839.92
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.780	17332.8	1067.81	1060.00	1055.07	1.00	250.0	17332.8	17332.8	0.0	0.0

```
TT =    5.8358          DTH =  0.0560          ITERR =    0
QU(1) =    16870.79     YU(1) =     1067.67  QU(N) =    19142.25  YU(N) =     839.91
FRDM=     0.57  IIFR=    16  FRM=0.19 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.836	16870.8	1067.67	1060.00	1055.05	1.00	250.0	16870.8	16870.8	0.0	0.0

```
TT =    5.8923          DTH =  0.0565          ITERR =    0
QU(1) =    16381.34     YU(1) =     1067.52  QU(N) =    18877.98  YU(N) =      839.90
FRDM=     0.57  IIFR=    16  FRM=0.20 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.892	16381.3	1067.52	1060.00	1055.02	1.00	250.0	16381.3	16381.3	0.0	0.0

```
TT =    5.9494          DTH =  0.0571          ITERR =    0
QU(1) =    15866.55     YU(1) =     1067.36  QU(N) =    18640.37  YU(N) =      839.90
FRDM=     0.57  IIFR=    16  FRM=0.21 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.949	15866.5	1067.36	1060.00	1054.99	1.00	250.0	15866.5	15866.5	0.0	0.0

```
TT =    6.0070          DTH =  0.0577          ITERR =    0
QU(1) =    15329.60     YU(1) =     1067.19  QU(N) =    18421.17  YU(N) =      839.89
FRDM=     0.57  IIFR=    16  FRM=0.21 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.007	15329.6	1067.19	1060.00	1054.96	1.00	250.0	15329.6	15329.6	0.0	0.0

```
TT =    6.0653          DTH =  0.0582          ITERR =    0
QU(1) =    14789.50     YU(1) =     1067.01  QU(N) =    18207.54  YU(N) =      839.88
FRDM=     0.57  IIFR=    16  FRM=0.22 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.065	14789.5	1067.01	1060.00	1054.93	1.00	250.0	14789.5	14789.5	0.0	0.0

```
TT =    6.1241          DTH =   0.0588          ITERR =    0
QU(1) =    14261.67     YU(1) =     1066.84  QU(N) =    18004.41   YU(N) =      839.88
FRDM=     0.57  IIFR=    16  FRM=0.23 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.124	14261.7	1066.84	1060.00	1054.90	1.00	250.0	14261.7	14261.7	0.0	0.0

```
TT =    6.1835          DTH =   0.0594          ITERR =    0
QU(1) =    13744.18     YU(1) =     1066.67  QU(N) =    17813.07   YU(N) =      839.87
FRDM=     0.57  IIFR=    16  FRM=0.25 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.184	13744.2	1066.67	1060.00	1054.86	1.00	250.0	13744.2	13744.2	0.0	0.0

```
TT =    6.2435          DTH =   0.0600          ITERR =    0
QU(1) =    13235.94     YU(1) =     1066.50  QU(N) =    17638.84   YU(N) =      839.87
FRDM=     0.57  IIFR=    16  FRM=0.26 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.244	13235.9	1066.50	1060.00	1054.83	1.00	250.0	13235.9	13235.9	0.0	0.0

```
TT =    6.3042          DTH =   0.0606          ITERR =    0
QU(1) =    12735.79     YU(1) =     1066.33  QU(N) =    17485.16   YU(N) =      839.86
FRDM=     0.57  IIFR=    16  FRM=0.27 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.304	12735.8	1066.33	1060.00	1054.79	1.00	250.0	12735.8	12735.8	0.0	0.0

```
TT =   6.3654          DTH =  0.0612          ITERR =   0
QU(1) =   12242.51     YU(1) =    1066.16  QU(N) =   17350.75  YU(N) =     839.86
FRDM=    0.57  IIFR=   16  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.365	12242.5	1066.16	1060.00	1054.76	1.00	250.0	12242.5	12242.5	0.0	0.0

```
TT =   6.4272          DTH =  0.0618          ITERR =   0
QU(1) =   11755.71     YU(1) =    1065.99  QU(N) =   17241.19  YU(N) =     839.85
FRDM=    0.57  IIFR=   16  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.427	11755.7	1065.99	1060.00	1054.72	1.00	250.0	11755.7	11755.7	0.0	0.0

```
TT =   6.4896          DTH =  0.0624          ITERR =   0
QU(1) =   11274.68     YU(1) =    1065.82  QU(N) =   17158.00  YU(N) =     839.85
FRDM=    0.57  IIFR=   16  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.490	11274.7	1065.82	1060.00	1054.68	1.00	250.0	11274.7	11274.7	0.0	0.0

```
TT =   6.5527          DTH =  0.0631          ITERR =   0
QU(1) =   10811.72     YU(1) =    1065.64  QU(N) =   17097.23  YU(N) =     839.85
FRDM=    0.57  IIFR=   16  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.553	10811.7	1065.64	1060.00	1054.65	1.00	250.0	10811.7	10811.7	0.0	0.0

```
TT =    6.6164          DTH =  0.0637          ITERR =    0
QU(1) =    10380.63     YU(1) =    1065.48  QU(N) =    17064.45  YU(N) =      839.85
FRDM=     0.57  IIFR=   16  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.616	10380.6	1065.48	1060.00	1054.61	1.00	250.0	10380.6	10380.6	0.0	0.0

```
TT =    6.6808          DTH =  0.0643          ITERR =    0
QU(1) =     9980.11     YU(1) =    1065.32  QU(N) =    17059.52  YU(N) =      839.85
FRDM=     0.57  IIFR=   16  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.681	9980.1	1065.32	1060.00	1054.58	1.00	250.0	9980.1	9980.1	0.0	0.0

```
TT =    6.7457          DTH =  0.0650          ITERR =    0
QU(1) =     9608.86     YU(1) =    1065.16  QU(N) =    17083.55  YU(N) =      839.85
FRDM=     0.57  IIFR=   16  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.746	9608.9	1065.16	1060.00	1054.55	1.00	250.0	9608.9	9608.9	0.0	0.0

```
TT =    6.8114          DTH =  0.0656          ITERR =    0
QU(1) =     9267.02     YU(1) =    1065.01  QU(N) =    17139.95  YU(N) =      839.85
FRDM=     0.59  IIFR=    1  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.811	9267.0	1065.01	1060.00	1054.52	1.00	250.0	9267.0	9267.0	0.0	0.0

```
TT =    6.8777          DTH =  0.0663          ITERR =    0
QU(1) =     8956.66     YU(1) =     1064.86  QU(N) =    17229.31  YU(N) =     839.85
FRDM=     0.66  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.878    8956.7   1064.86   1060.00   1054.49      1.00     250.0    8956.7    8956.7       0.0       0.0

TT =    6.9446          DTH =  0.0670          ITERR =    0
QU(1) =     8676.09     YU(1) =     1064.71  QU(N) =    17352.02  YU(N) =     839.86
FRDM=     0.75  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.945    8676.1   1064.71   1060.00   1054.47      1.00     250.0    8676.1    8676.1       0.0       0.0

TT =    7.0122          DTH =  0.0676          ITERR =    0
QU(1) =     8430.66     YU(1) =     1064.55  QU(N) =    17507.30  YU(N) =     839.86
FRDM=     0.86  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.012    8430.7   1064.55   1060.00   1054.44      1.00     250.0    8430.7    8430.7       0.0       0.0

TT =    7.0805          DTH =  0.0683          ITERR =    0
QU(1) =     8241.45     YU(1) =     1064.55  QU(N) =    17691.64  YU(N) =     839.87
FRDM=     0.84  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.081    8241.5   1064.55   1060.00   1054.43      1.00     250.0    8241.5    8241.5       0.0       0.0
```

```
TT =   7.1495          DTH =  0.0690          ITERR =   1
QU(1) =    8329.65     YU(1) =    1064.55  QU(N) =   17900.77  YU(N) =     839.87
FRDM=    0.85  IIFR=    1  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	7.150	8329.7	1064.55	1060.00	1054.43	1.00	250.0	8329.7	8329.7	0.0	0.0

```
TT =   7.2192          DTH =  0.0697          ITERR =   1
QU(1) =    8322.20     YU(1) =    1064.55  QU(N) =   18127.36  YU(N) =     839.88
FRDM=    0.85  IIFR=    1  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	7.219	8322.2	1064.55	1060.00	1054.44	1.00	250.0	8322.2	8322.2	0.0	0.0

```
TT =   7.2895          DTH =  0.0704          ITERR =   1
QU(1) =    8300.07     YU(1) =    1064.55  QU(N) =   18369.20  YU(N) =     839.89
FRDM=    0.84  IIFR=    1  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	7.290	8300.1	1064.55	1060.00	1054.43	1.00	250.0	8300.1	8300.1	0.0	0.0

```
TT =   7.3606          DTH =  0.0711          ITERR =   1
QU(1) =    8280.23     YU(1) =    1064.55  QU(N) =   18629.47  YU(N) =     839.89
FRDM=    0.84  IIFR=    1  FRM=0.29 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	7.361	8280.2	1064.55	1060.00	1054.43	1.00	250.0	8280.2	8280.2	0.0	0.0

```
TT =    7.4324          DTH =   0.0718          ITERR =    1
QU(1) =     8260.95     YU(1) =     1064.55  QU(N) =    18874.11  YU(N) =     839.90
FRDM=     0.84  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.432    8260.9   1064.55   1060.00   1054.43      1.00     250.0    8260.9    8260.9       0.0       0.0

TT =    7.5049          DTH =   0.0725          ITERR =    1
QU(1) =     8241.17     YU(1) =     1064.55  QU(N) =    19084.18  YU(N) =     839.91
FRDM=     0.84  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.505    8241.2   1064.55   1060.00   1054.43      1.00     250.0    8241.2    8241.2       0.0       0.0

TT =    7.5781          DTH =   0.0732          ITERR =    1
QU(1) =     8223.29     YU(1) =     1064.55  QU(N) =    19255.29  YU(N) =     839.91
FRDM=     0.84  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.578    8223.3   1064.55   1060.00   1054.43      1.00     250.0    8223.3    8223.3       0.0       0.0

TT =    7.6521          DTH =   0.0740          ITERR =    1
QU(1) =     8207.79     YU(1) =     1064.55  QU(N) =    19380.39  YU(N) =     839.92
FRDM=     0.84  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.652    8207.8   1064.55   1060.00   1054.42      1.00     250.0    8207.8    8207.8       0.0       0.0
```

```
TT =    7.7268          DTH =  0.0747          ITERR =    1
QU(1) =     8191.77     YU(1) =     1064.55  QU(N) =    19452.74  YU(N) =      839.92
FRDM=     0.83  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.727    8191.8   1064.55   1060.00   1054.42      1.00     250.0    8191.8    8191.8       0.0       0.0

TT =    7.8022          DTH =  0.0754          ITERR =    1
QU(1) =     8175.71     YU(1) =     1064.55  QU(N) =    19465.61  YU(N) =      839.92
FRDM=     0.83  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.802    8175.7   1064.55   1060.00   1054.42      1.00     250.0    8175.7    8175.7       0.0       0.0

TT =    7.8784          DTH =  0.0762          ITERR =    1
QU(1) =     8159.33     YU(1) =     1064.55  QU(N) =    19422.81  YU(N) =      839.92
FRDM=     0.83  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.878    8159.3   1064.55   1060.00   1054.42      1.00     250.0    8159.3    8159.3       0.0       0.0

TT =    7.9554          DTH =  0.0770          ITERR =    1
QU(1) =     8142.29     YU(1) =     1064.55  QU(N) =    19317.08  YU(N) =      839.92
FRDM=     0.83  IIFR=     1  FRM=0.29 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.955    8142.3   1064.55   1060.00   1054.42      1.00     250.0    8142.3    8142.3       0.0       0.0
```

```
TT =   8.0331          DTH =  0.0777          ITERR =   1
QU(1) =    8125.95     YU(1) =    1064.55  QU(N) =   19153.87  YU(N) =     839.91
FRDM=    0.83  IIFR=    1  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.033	8125.9	1064.55	1060.00	1054.42	1.00	250.0	8125.9	8125.9	0.0	0.0

```
TT =   8.1116          DTH =  0.0785          ITERR =   1
QU(1) =    8111.12     YU(1) =    1064.55  QU(N) =   18936.61  YU(N) =     839.91
FRDM=    0.83  IIFR=    1  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.112	8111.1	1064.55	1060.00	1054.42	1.00	250.0	8111.1	8111.1	0.0	0.0

```
TT =   8.1909          DTH =  0.0793          ITERR =   1
QU(1) =    8097.16     YU(1) =    1064.55  QU(N) =   18676.73  YU(N) =     839.90
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.191	8097.2	1064.55	1060.00	1054.41	1.00	250.0	8097.2	8097.2	0.0	0.0

```
TT =   8.2710          DTH =  0.0801          ITERR =   1
QU(1) =    8082.92     YU(1) =    1064.55  QU(N) =   18389.38  YU(N) =     839.89
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.271	8082.9	1064.55	1060.00	1054.41	1.00	250.0	8082.9	8082.9	0.0	0.0

```
TT =   8.3518          DTH =  0.0809          ITERR =   1
QU(1) =    8068.50     YU(1) =    1064.55  QU(N) =   18058.48  YU(N) =     839.88
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    8.352    8068.5   1064.55   1060.00   1054.41      1.00     250.0    8068.5    8068.5       0.0       0.0

TT =   8.4335          DTH =  0.0817          ITERR =   1
QU(1) =    8053.92     YU(1) =    1064.55  QU(N) =   17678.49  YU(N) =     839.87
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    8.434    8053.9   1064.55   1060.00   1054.41      1.00     250.0    8053.9    8053.9       0.0       0.0

TT =   8.5160          DTH =  0.0825          ITERR =   1
QU(1) =    8038.81     YU(1) =    1064.55  QU(N) =   17262.14  YU(N) =     839.86
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    8.516    8038.8   1064.55   1060.00   1054.41      1.00     250.0    8038.8    8038.8       0.0       0.0

TT =   8.5994          DTH =  0.0833          ITERR =   1
QU(1) =    8023.53     YU(1) =    1064.55  QU(N) =   16820.88  YU(N) =     839.84
FRDM=    0.82  IIFR=    1  FRM=0.28 IIFM=  187

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    8.599    8023.5   1064.55   1060.00   1054.41      1.00     250.0    8023.5    8023.5       0.0       0.0
```

```
TT =    8.6836          DTH =  0.0842          ITERR =    1
QU(1) =     8008.05     YU(1) =     1064.55  QU(N) =    16361.15  YU(N) =      839.83
FRDM=    0.81  IIFR=    1  FRM=0.28 IIFM=  187
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	8.684	8008.1	1064.55	1060.00	1054.41	1.00	250.0	8008.1	8008.1	0.0	0.0

ROUTING COMPLETED.

KTIME= 233 ALLOWABLE KTIME= 699 TT= 8.8

PROFILE OF CRESTS AND TIMES FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.000	1079.80	64748	0.000	5.05	0.00	0.00
0.379	1056.77	64748	0.500	5.72	0.00	0.00
0.455	1052.80	64561	0.525	5.43	0.00	0.00
0.531	1048.80	64218	0.550	5.28	0.00	0.00
0.606	1044.93	64131	0.563	4.94	0.00	0.00
0.682	1040.86	64033	0.575	5.09	0.00	0.00
0.758	1037.24	63806	0.600	4.31	0.00	0.00
0.884	1032.19	63595	0.625	4.49	0.00	0.00
1.010	1027.30	63339	0.650	4.45	0.00	0.00
1.136	1022.16	63121	0.700	4.93	0.00	0.00
1.190	1019.70	63103	0.700	4.89	0.00	0.00
1.244	1017.24	63001	0.725	4.85	0.00	0.00
1.298	1014.79	62994	0.725	4.82	0.00	0.00
1.353	1012.33	62915	0.725	4.79	0.00	0.00
1.407	1009.89	62886	0.750	4.74	0.00	0.00
1.461	1007.38	62870	0.775	4.82	0.00	0.00
1.515	1005.13	62822	0.775	4.37	0.00	0.00
1.641	1000.47	62640	0.800	4.33	0.00	0.00
1.768	995.87	62386	0.850	4.19	0.00	0.00
1.894	991.11	62280	0.875	4.28	0.00	0.00
2.020	986.20	62137	0.925	4.24	0.00	0.00
2.147	981.18	61995	0.950	4.42	0.00	0.00
2.273	976.38	61828	0.975	4.17	0.00	0.00
2.336	974.21	61740	1.000	4.21	0.00	0.00
2.399	972.00	61609	1.025	4.29	0.00	0.00
2.462	969.72	61550	1.050	4.46	0.00	0.00
2.526	967.38	61467	1.075	4.64	0.00	0.00
2.589	965.01	61315	1.075	4.85	0.00	0.00
2.652	962.87	61134	1.100	4.57	0.00	0.00
2.746	960.00	60894	1.150	4.27	0.00	0.00
2.841	957.00	60694	1.175	4.11	0.00	0.00
2.935	954.12	60562	1.200	3.64	0.00	0.00
3.030	950.65	60482	1.225	4.20	0.00	0.00
3.055	949.42	60491	1.225	4.22	0.00	0.00
3.081	948.19	60448	1.225	4.25	0.00	0.00
3.106	946.96	60417	1.250	4.27	0.00	0.00
3.131	945.73	60437	1.250	4.29	0.00	0.00
3.156	944.50	60447	1.250	4.32	0.00	0.00
3.182	943.28	60401	1.250	4.35	0.00	0.00
3.207	942.06	60377	1.275	4.37	0.00	0.00
3.232	940.83	60395	1.275	4.40	0.00	0.00
3.257	939.61	60349	1.275	4.43	0.00	0.00
3.283	938.39	60293	1.300	4.46	0.00	0.00
3.308	937.18	60319	1.300	4.49	0.00	0.00
3.333	935.96	60283	1.300	4.51	0.00	0.00
3.358	934.75	60235	1.300	4.54	0.00	0.00
3.384	933.60	60213	1.325	4.50	0.00	0.00
3.409	932.66	60173	1.325	4.07	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
3.431	931.96	60145	1.350	4.05	0.00	0.00
3.454	931.26	60088	1.350	3.99	0.00	0.00
3.476	930.56	60051	1.350	4.00	0.00	0.00
3.498	929.86	60020	1.375	3.99	0.00	0.00
3.520	929.16	59953	1.375	3.97	0.00	0.00
3.543	928.46	59909	1.375	3.95	0.00	0.00
3.565	927.76	59883	1.400	3.97	0.00	0.00
3.587	927.07	59814	1.400	3.96	0.00	0.00
3.610	926.37	59747	1.400	3.93	0.00	0.00
3.632	925.66	59742	1.400	3.97	0.00	0.00
3.654	924.96	59641	1.425	3.96	0.00	0.00
3.677	924.26	59571	1.425	3.94	0.00	0.00
3.699	923.56	59576	1.425	3.98	0.00	0.00
3.721	922.85	59467	1.450	3.96	0.00	0.00
3.743	922.13	59440	1.450	3.97	0.00	0.00
3.766	921.41	59619	1.450	4.01	0.00	0.00
3.788	920.64	59645	1.475	4.25	0.00	0.00
3.883	917.25	59156	1.500	4.31	0.00	0.00
3.977	913.90	58876	1.550	4.13	0.00	0.00
4.072	910.60	58533	1.575	4.08	0.00	0.00
4.167	907.26	58297	1.625	4.09	0.00	0.00
4.189	906.45	58232	1.625	4.06	0.00	0.00
4.211	905.64	58209	1.625	4.04	0.00	0.00
4.234	904.83	58177	1.650	4.02	0.00	0.00
4.256	904.02	58108	1.650	4.01	0.00	0.00
4.278	903.20	58082	1.650	3.99	0.00	0.00
4.300	902.39	58054	1.650	3.97	0.00	0.00
4.323	901.57	57986	1.675	3.95	0.00	0.00
4.345	900.75	57957	1.675	3.94	0.00	0.00
4.367	899.92	57931	1.675	3.92	0.00	0.00
4.389	899.10	57863	1.700	3.91	0.00	0.00
4.412	898.27	57833	1.700	3.89	0.00	0.00
4.434	897.45	57806	1.700	3.88	0.00	0.00
4.456	896.62	57740	1.725	3.86	0.00	0.00
4.478	895.79	57700	1.725	3.85	0.00	0.00
4.501	894.98	57659	1.750	3.81	0.00	0.00
4.523	894.20	57559	1.750	3.72	0.00	0.00
4.545	893.53	57505	1.775	3.44	0.00	0.00
4.549	893.40	57492	1.775	3.43	0.00	0.00
4.554	893.28	57476	1.775	3.42	0.00	0.00
4.558	893.16	57459	1.775	3.41	0.00	0.00
4.563	893.04	57439	1.775	3.39	0.00	0.00
4.567	892.92	57416	1.775	3.38	0.00	0.00
4.572	892.80	57391	1.775	3.37	0.00	0.00
4.576	892.69	57363	1.775	3.36	0.00	0.00
4.581	892.57	57341	1.775	3.35	0.00	0.00
4.585	892.46	57334	1.775	3.33	0.00	0.00
4.590	892.34	57327	1.775	3.32	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
4.594	892.23	57317	1.775	3.31	0.00	0.00
4.599	892.12	57305	1.800	3.29	0.00	0.00
4.603	892.00	57292	1.800	3.28	0.00	0.00
4.607	891.89	57276	1.800	3.27	0.00	0.00
4.612	891.78	57257	1.800	3.25	0.00	0.00
4.616	891.68	57237	1.800	3.24	0.00	0.00
4.621	891.57	57214	1.800	3.23	0.00	0.00
4.625	891.46	57188	1.800	3.21	0.00	0.00
4.630	891.35	57160	1.800	3.20	0.00	0.00
4.634	891.25	57146	1.800	3.18	0.00	0.00
4.639	891.14	57139	1.800	3.17	0.00	0.00
4.643	891.04	57131	1.800	3.15	0.00	0.00
4.648	890.93	57120	1.825	3.14	0.00	0.00
4.652	890.83	57107	1.825	3.12	0.00	0.00
4.656	890.73	57091	1.825	3.11	0.00	0.00
4.661	890.63	57072	1.825	3.10	0.00	0.00
4.665	890.53	57052	1.825	3.08	0.00	0.00
4.670	890.43	57029	1.825	3.07	0.00	0.00
4.674	890.33	57005	1.825	3.05	0.00	0.00
4.679	890.23	56980	1.825	3.04	0.00	0.00
4.683	890.13	56961	1.825	3.02	0.00	0.00
4.688	890.03	56954	1.825	3.00	0.00	0.00
4.692	889.94	56943	1.825	2.99	0.00	0.00
4.697	889.84	56930	1.825	2.98	0.00	0.00
4.701	889.74	56915	1.850	2.96	0.00	0.00
4.706	889.65	56897	1.850	2.95	0.00	0.00
4.710	889.55	56878	1.850	2.94	0.00	0.00
4.714	889.46	56859	1.850	2.92	0.00	0.00
4.719	889.36	56840	1.850	2.91	0.00	0.00
4.723	889.27	56822	1.850	2.90	0.00	0.00
4.728	889.18	56804	1.850	2.88	0.00	0.00
4.732	889.08	56787	1.850	2.87	0.00	0.00
4.737	888.99	56770	1.850	2.85	0.00	0.00
4.741	888.90	56752	1.850	2.84	0.00	0.00
4.746	888.81	56731	1.850	2.83	0.00	0.00
4.750	888.72	56714	1.875	2.82	0.00	0.00
4.755	888.62	56699	1.875	2.80	0.00	0.00
4.759	888.53	56685	1.875	2.79	0.00	0.00
4.763	888.44	56673	1.875	2.78	0.00	0.00
4.768	888.35	56662	1.875	2.76	0.00	0.00
4.772	888.26	56653	1.875	2.75	0.00	0.00
4.777	888.18	56645	1.875	2.74	0.00	0.00
4.781	888.09	56636	1.875	2.72	0.00	0.00
4.786	888.00	56623	1.875	2.71	0.00	0.00
4.790	887.91	56605	1.875	2.70	0.00	0.00
4.795	887.82	56579	1.875	2.69	0.00	0.00
4.799	887.73	56544	1.875	2.68	0.00	0.00
4.804	887.65	56524	1.875	2.67	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 662+00PIPING
BELOW FRS#1 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
4.808	887.56	56522	1.900	2.66	0.00	0.00
4.813	887.47	56522	1.900	2.64	0.00	0.00
4.817	887.38	56522	1.900	2.63	0.00	0.00
4.821	887.30	56520	1.900	2.62	0.00	0.00
4.826	887.21	56512	1.900	2.61	0.00	0.00
4.830	887.12	56499	1.900	2.60	0.00	0.00
4.835	887.04	56479	1.900	2.59	0.00	0.00
4.839	886.95	56452	1.900	2.58	0.00	0.00
4.844	886.86	56416	1.900	2.57	0.00	0.00
4.848	886.78	56404	1.900	2.56	0.00	0.00
4.853	886.69	56411	1.900	2.56	0.00	0.00
4.857	886.60	56415	1.900	2.55	0.00	0.00
4.862	886.52	56417	1.900	2.54	0.00	0.00
4.866	886.43	56416	1.900	2.54	0.00	0.00
4.870	886.34	56410	1.900	2.54	0.00	0.00
4.875	886.25	56397	1.900	2.54	0.00	0.00
4.879	886.16	56380	1.900	2.54	0.00	0.00
4.884	886.07	56359	1.925	2.54	0.00	0.00
4.888	885.98	56336	1.925	2.55	0.00	0.00
4.893	885.88	56314	1.925	2.56	0.00	0.00
4.897	885.78	56322	1.925	2.58	0.00	0.00
4.902	885.68	56328	1.925	2.60	0.00	0.00
4.906	885.58	56332	1.925	2.63	0.00	0.00
4.911	885.47	56331	1.925	2.67	0.00	0.00
4.915	885.35	56326	1.925	2.73	0.00	0.00
4.920	885.22	56320	1.925	2.82	0.00	0.00
4.924	885.06	56324	1.925	2.98	0.00	0.00
4.966	883.52	56272	1.953	2.97	0.00	0.00
5.008	881.97	56514	1.975	2.97	0.00	0.00
5.050	880.42	56432	1.953	2.95	0.00	0.00
5.092	878.87	56346	2.012	2.95	0.00	0.00
5.135	877.33	56695	2.000	2.97	0.00	0.00
5.177	875.77	56519	2.012	3.00	0.00	0.00
5.219	874.27	57384	2.000	2.95	0.00	0.00
5.261	872.66	56851	2.025	3.38	0.00	0.00
5.303	871.40	59872	2.000	2.88	0.00	0.00
5.429	867.82	55855	2.150	3.30	0.00	0.00
5.556	864.39	55123	2.200	2.50	0.00	0.00
5.682	860.99	55248	2.250	2.42	0.00	0.00
5.777	858.45	54380	2.300	2.40	0.00	0.00
5.872	855.96	54051	2.350	2.30	0.00	0.00
5.966	853.34	53929	2.400	3.63	0.00	0.00
6.061	851.01	53286	2.475	2.04	0.00	0.00
6.156	849.26	52745	2.578	2.85	0.00	0.00
6.250	847.51	52350	2.604	2.00	0.00	0.00
6.345	845.75	51780	2.681	2.00	0.00	0.00
6.440	844.00	51418	2.758	1.99	0.00	0.00
6.629	840.50	50652	2.890	1.98	0.00	0.00
6.534	842.25	51031	2.810	1.98	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#2 MCFCD

ON

STN. 300+000VERTOP

ANALYSIS BY

DAMES&MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***  SUMMARY OF INPUT DATA  ***
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INPUT CONTROL PARAMETERS FOR FRS#2 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	21
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#2 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
288.0	1120.00
240.0	1117.00
223.0	1116.00
193.0	1114.00

150.0	1111.20
98.0	1108.00
42.0	1104.00
1.0	1100.00

DAM NUMBER 1

FRS#2 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1111.20
SIDE SLOPE OF BREACH		Z	1.00
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1100.00
WIDTH OF BASE OF BREACH	FEET	BB	270.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1116.00
ELEVATION OF TOP OF DAM	FEET	HD	1117.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1111.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	945.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	25528.50
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 7.2500 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#2 MCFCD
****

594.00	1158.00	2717.00	4960.00	13389.00	38956.00	39618.00	29059.00
19720.00	12718.00	8213.00	5647.00	4260.00	3231.00	2566.00	2173.00
1833.00	548.00	117.00	25.00	1.00			

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	0.5000	1.0000	1.5000	1.7500	2.0000	2.2500	2.5000
2.7500	3.0000	3.2500	3.5000	3.7500	4.0000	4.2500	4.5000
4.7500	5.2500	5.7500	6.2500	7.2500			

CROSS-SECTIONAL PARAMETERS FOR STN. 300+000VERTOP
BELOW FRS#2 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	20
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 300+000VERTOP
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1094.0	1094.2	1095.0	1097.0	1099.0	1118.0
BS ...	0.0	30.0	1000.0	2000.0	3000.0	4000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.380 FSTG(I) = 0.00

HS ...	1074.0	1074.5	1075.0	1080.0	1090.0	1095.0
BS ...	0.0	30.0	1000.0	3600.0	6000.0	7000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.760 FSTG(I) = 0.00

HS ...	1044.0	1044.5	1045.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	700.0	3000.0	7800.0	9600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.140 FSTG(I) = 0.00

HS ...	1023.0	1023.5	1025.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	4200.0	6400.0	9500.0	12200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.520 FSTG(I) = 0.00

HS ...	1002.0	1002.5	1005.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	4000.0	7500.0	12400.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.890 FSTG(I) = 0.00

HS ...	981.0	981.5	985.0	990.0	995.0	1000.0
BS ...	0.0	30.0	5800.0	8400.0	11200.0	13500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.270 FSTG(I) = 0.00

HS ...	962.0	962.5	965.0	970.0	975.0	980.0
BS ...	0.0	30.0	4000.0	9600.0	12200.0	14600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.460 FSTG(I) = 0.00

HS ...	955.0	955.5	960.0	965.0	970.0	975.0
BS ...	0.0	30.0	9000.0	12200.0	14800.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.650 FSTG(I) = 0.00

HS ...	946.0	946.5	950.0	955.0	960.0	970.0
BS ...	0.0	30.0	7600.0	12800.0	13600.0	19200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	929.0	929.5	930.0	935.0	940.0	950.0
BS ...	0.0	30.0	4400.0	11000.0	14600.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 3.600 FSTG(I) = 0.00

HS ...	904.0	904.5	905.0	910.0	915.0	920.0
BS ...	0.0	30.0	3300.0	12100.0	15700.0	18900.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 3.790 FSTG(I) = 0.00

HS ...	898.0	898.5	900.0	905.0	910.0	915.0
BS ...	0.0	30.0	10500.0	15600.0	18400.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.980 FSTQ(I) = 0.00

HS ...	889.0	889.5	890.0	895.0	900.0	905.0
BS ...	0.0	30.0	7000.0	13400.0	17200.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 4.170 FSTQ(I) = 0.00

HS ...	887.0	887.5	890.0	895.0	900.0	905.0
BS ...	0.0	30.0	15200.0	19600.0	23300.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 4.360 FSTQ(I) = 0.00

HS ...	879.0	879.5	880.0	885.0	890.0	895.0
BS ...	0.0	30.0	13400.0	18600.0	22000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 4.550 FSTQ(I) = 0.00

HS ...	869.0	869.5	870.0	875.0	880.0	885.0
BS ...	0.0	30.0	10000.0	16200.0	20400.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.730 FSTG(I) = 0.00

HS ...	862.0	862.5	865.0	870.0	875.0	880.0
BS ...	0.0	30.0	13100.0	19100.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.920 FSTG(I) = 0.00

HS ...	858.0	858.5	860.0	865.0	870.0	875.0
BS ...	0.0	30.0	14200.0	20400.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 19
****

XS(I) = 5.110 FSTG(I) = 0.00

HS ...	853.0	853.5	855.0	860.0	865.0	870.0
BS ...	0.0	30.0	17000.0	21100.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 20
****

XS(I) = 5.300 FSTG(I) = 0.00

HS ...	844.0	844.5	845.0	850.0	855.0	860.0
BS ...	0.0	30.0	8600.0	16700.0	20000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 18 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 19 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 300+00OVERTOP
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000
18	0.000	-1.000
19	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 300+00OVERTOP
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.00
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.190 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.012 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.190 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.123 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.127 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.027 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.017 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.011 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 12 DXM WAS CHANGED TO 0.027 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.010 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 14 DXM WAS CHANGED TO 0.019 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 16 DXM WAS CHANGED TO 0.015 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 17 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA

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AT REACH=   19  DXM WAS CHANGED TO 0.019  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    2  DXM WAS CHANGED TO 0.149  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    4  DXM WAS CHANGED TO 0.128  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    6  DXM WAS CHANGED TO 0.114  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   10  DXM WAS CHANGED TO 0.093  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   15  DXM WAS CHANGED TO 0.082  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.081  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.079  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000   0.149   0.012   0.128   0.123   0.114   0.027   0.095   0.017   0.093   0.011   0.027   0.010   0.019   0.082
  0.015   0.081   0.079   0.019

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =   163     (MAXIMUM ALLOWABLE =   200
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***                           ***
***  SUMMARY OF OUTPUT DATA   ***
***                           ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1094.00				
2	0.38	1074.00	1	0.38	52.63	
3	0.76	1044.00	2	0.38	78.95	
4	1.14	1023.00	3	0.38	55.26	
5	1.52	1002.00	4	0.38	55.26	
6	1.89	981.00	5	0.37	56.76	
7	2.27	962.00	6	0.38	50.00	
8	2.46	955.00	7	0.19	36.84	
9	2.65	946.00	8	0.19	47.37	
10	3.03	929.00	9	0.38	44.74	
11	3.60	904.00	10	0.57	43.86	
12	3.79	898.00	11	0.19	31.58	
13	3.98	889.00	12	0.19	47.37	
14	4.17	887.00	13	0.19	10.53	
15	4.36	879.00	14	0.19	42.11	
16	4.55	869.00	15	0.19	52.63	
17	4.73	862.00	16	0.18	38.89	
18	4.92	858.00	17	0.19	21.05	
19	5.11	853.00	18	0.19	26.32	
20	5.30	844.00	19	0.19	47.37	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1095.07	DEPN=	1.07	YC=	1094.70	DEPC=	0.70	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.380	YN=	1075.00	DEPN=	1.00	YC=	1074.92	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	3	X=	0.570	YN=	1060.07	DEPN=	1.07	YC=	1059.95	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	4	X=	0.760	YN=	1045.10	DEPN=	1.10	YC=	1044.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	5	X=	0.772	YN=	1044.48	DEPN=	1.14	YC=	1044.30	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	6	X=	0.784	YN=	1043.81	DEPN=	1.13	YC=	1043.64	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.796	YN=	1043.15	DEPN=	1.11	YC=	1042.97	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.807	YN=	1042.48	DEPN=	1.10	YC=	1042.30	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	0.819	YN=	1041.81	DEPN=	1.09	YC=	1041.64	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	0.831	YN=	1041.14	DEPN=	1.08	YC=	1040.98	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	0.843	YN=	1040.49	DEPN=	1.08	YC=	1040.32	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	0.855	YN=	1039.82	DEPN=	1.07	YC=	1039.65	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	0.867	YN=	1039.15	DEPN=	1.06	YC=	1039.00	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	0.879	YN=	1038.50	DEPN=	1.06	YC=	1038.33	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	0.891	YN=	1037.83	DEPN=	1.05	YC=	1037.68	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	16	X=	0.902	YN=	1037.17	DEPN=	1.05	YC=	1037.02	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11

I=	17	X=	0.914	YN=	1036.51	DEPN=	1.04	YC=	1036.35	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.926	YN=	1035.85	DEPN=	1.04	YC=	1035.70	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	19	X=	0.938	YN=	1035.20	DEPN=	1.04	YC=	1035.04	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.950	YN=	1034.53	DEPN=	1.03	YC=	1034.39	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.962	YN=	1033.87	DEPN=	1.03	YC=	1033.72	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.974	YN=	1033.22	DEPN=	1.03	YC=	1033.06	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.986	YN=	1032.55	DEPN=	1.02	YC=	1032.41	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.997	YN=	1031.90	DEPN=	1.02	YC=	1031.75	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	1.009	YN=	1031.24	DEPN=	1.02	YC=	1031.10	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	1.021	YN=	1030.59	DEPN=	1.02	YC=	1030.43	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	1.033	YN=	1029.92	DEPN=	1.01	YC=	1029.77	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	1.045	YN=	1029.26	DEPN=	1.01	YC=	1029.12	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	1.057	YN=	1028.61	DEPN=	1.01	YC=	1028.46	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	1.069	YN=	1027.95	DEPN=	1.01	YC=	1027.81	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	1.081	YN=	1027.28	DEPN=	1.00	YC=	1027.15	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	1.092	YN=	1026.63	DEPN=	1.00	YC=	1026.48	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	1.104	YN=	1025.97	DEPN=	1.01	YC=	1025.83	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	1.116	YN=	1025.32	DEPN=	1.01	YC=	1025.17	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	1.128	YN=	1024.66	DEPN=	1.01	YC=	1024.52	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	1.140	YN=	1024.03	DEPN=	1.03	YC=	1023.86	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	1.330	YN=	1013.57	DEPN=	1.07	YC=	1013.41	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	1.520	YN=	1003.07	DEPN=	1.07	YC=	1002.95	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	1.643	YN=	996.10	DEPN=	1.10	YC=	995.95	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	1.767	YN=	989.10	DEPN=	1.10	YC=	988.94	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	1.890	YN=	982.10	DEPN=	1.10	YC=	981.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	42	X=	2.017	YN=	975.79	DEPN=	1.12	YC=	975.61	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	43	X=	2.143	YN=	969.45	DEPN=	1.12	YC=	969.27	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	44	X=	2.270	YN=	963.13	DEPN=	1.13	YC=	962.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	45	X=	2.297	YN=	962.15	DEPN=	1.15	YC=	961.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	46	X=	2.324	YN=	961.13	DEPN=	1.13	YC=	960.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	47	X=	2.351	YN=	960.13	DEPN=	1.13	YC=	959.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	48	X=	2.379	YN=	959.13	DEPN=	1.13	YC=	958.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	49	X=	2.406	YN=	958.11	DEPN=	1.11	YC=	957.92	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	50	X=	2.433	YN=	957.11	DEPN=	1.11	YC=	956.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	51	X=	2.460	YN=	956.08	DEPN=	1.08	YC=	955.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	52	X=	2.555	YN=	951.57	DEPN=	1.07	YC=	951.41	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	2.650	YN=	947.04	DEPN=	1.04	YC=	946.90	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	2.667	YN=	946.29	DEPN=	1.07	YC=	946.12	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	2.685	YN=	945.51	DEPN=	1.06	YC=	945.34	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	2.702	YN=	944.74	DEPN=	1.05	YC=	944.57	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	2.719	YN=	943.96	DEPN=	1.05	YC=	943.80	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	2.736	YN=	943.18	DEPN=	1.04	YC=	943.02	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	2.754	YN=	942.40	DEPN=	1.04	YC=	942.24	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	2.771	YN=	941.63	DEPN=	1.04	YC=	941.46	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	2.788	YN=	940.85	DEPN=	1.03	YC=	940.69	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	2.805	YN=	940.07	DEPN=	1.03	YC=	939.91	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	2.823	YN=	939.28	DEPN=	1.01	YC=	939.13	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	2.840	YN=	938.51	DEPN=	1.01	YC=	938.35	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	2.857	YN=	937.73	DEPN=	1.00	YC=	937.57	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	2.875	YN=	936.95	DEPN=	0.99	YC=	936.80	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	2.892	YN=	936.17	DEPN=	0.99	YC=	936.02	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	2.909	YN=	935.38	DEPN=	0.97	YC=	935.23	DEPC=	0.82	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	2.926	YN=	934.60	DEPN=	0.96	YC=	934.45	DEPC=	0.82	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	2.944	YN=	933.81	DEPN=	0.95	YC=	933.67	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	2.961	YN=	933.02	DEPN=	0.93	YC=	932.89	DEPC=	0.79	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	2.978	YN=	932.23	DEPN=	0.91	YC=	932.10	DEPC=	0.78	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	2.995	YN=	931.44	DEPN=	0.90	YC=	931.32	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	3.013	YN=	930.64	DEPN=	0.87	YC=	930.52	DEPC=	0.75	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	3.030	YN=	929.86	DEPN=	0.86	YC=	929.73	DEPC=	0.73	IFR=	0	ITN=	11	ITC=	11
I=	76	X=	3.125	YN=	925.69	DEPN=	0.86	YC=	925.57	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10

I=	77	X=	3.220	YN=	921.53	DEPN=	0.86	YC=	921.41	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	78	X=	3.315	YN=	917.38	DEPN=	0.88	YC=	917.25	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	79	X=	3.410	YN=	913.20	DEPN=	0.87	YC=	913.08	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	80	X=	3.505	YN=	909.05	DEPN=	0.88	YC=	908.91	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	81	X=	3.600	YN=	904.88	DEPN=	0.88	YC=	904.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	82	X=	3.611	YN=	904.56	DEPN=	0.92	YC=	904.41	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	83	X=	3.622	YN=	904.21	DEPN=	0.92	YC=	904.06	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	84	X=	3.634	YN=	903.85	DEPN=	0.91	YC=	903.71	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	85	X=	3.645	YN=	903.50	DEPN=	0.91	YC=	903.34	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	3.656	YN=	903.15	DEPN=	0.92	YC=	902.99	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	3.667	YN=	902.78	DEPN=	0.90	YC=	902.64	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	3.678	YN=	902.43	DEPN=	0.91	YC=	902.29	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	3.689	YN=	902.09	DEPN=	0.91	YC=	901.94	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	3.701	YN=	901.74	DEPN=	0.91	YC=	901.57	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	3.712	YN=	901.37	DEPN=	0.90	YC=	901.22	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	3.723	YN=	901.02	DEPN=	0.90	YC=	900.87	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	3.734	YN=	900.67	DEPN=	0.91	YC=	900.52	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	3.745	YN=	900.32	DEPN=	0.91	YC=	900.17	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	3.756	YN=	899.95	DEPN=	0.90	YC=	899.81	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	3.768	YN=	899.60	DEPN=	0.90	YC=	899.46	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	3.779	YN=	899.25	DEPN=	0.90	YC=	899.11	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	3.790	YN=	898.87	DEPN=	0.87	YC=	898.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	3.817	YN=	897.58	DEPN=	0.86	YC=	897.46	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	3.844	YN=	896.29	DEPN=	0.86	YC=	896.17	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	3.871	YN=	894.99	DEPN=	0.85	YC=	894.88	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	3.899	YN=	893.70	DEPN=	0.84	YC=	893.59	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	3.926	YN=	892.39	DEPN=	0.82	YC=	892.30	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	3.953	YN=	891.10	DEPN=	0.81	YC=	890.99	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	3.980	YN=	889.87	DEPN=	0.87	YC=	889.70	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	3.990	YN=	889.80	DEPN=	0.90	YC=	889.60	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	3.999	YN=	889.73	DEPN=	0.93	YC=	889.52	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	4.009	YN=	889.63	DEPN=	0.93	YC=	889.42	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	4.018	YN=	889.54	DEPN=	0.94	YC=	889.33	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	4.028	YN=	889.46	DEPN=	0.96	YC=	889.23	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	4.037	YN=	889.36	DEPN=	0.96	YC=	889.14	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	4.047	YN=	889.27	DEPN=	0.97	YC=	889.04	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	4.056	YN=	889.18	DEPN=	0.98	YC=	888.95	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	4.066	YN=	889.08	DEPN=	0.98	YC=	888.85	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	4.075	YN=	888.99	DEPN=	0.99	YC=	888.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	4.085	YN=	888.89	DEPN=	0.99	YC=	888.66	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	4.094	YN=	888.80	DEPN=	1.00	YC=	888.55	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	4.104	YN=	888.71	DEPN=	1.01	YC=	888.45	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	4.113	YN=	888.59	DEPN=	0.99	YC=	888.36	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	4.123	YN=	888.50	DEPN=	1.00	YC=	888.26	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	4.132	YN=	888.41	DEPN=	1.01	YC=	888.16	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	4.142	YN=	888.31	DEPN=	1.01	YC=	888.07	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	4.151	YN=	888.22	DEPN=	1.02	YC=	887.97	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	4.161	YN=	888.12	DEPN=	1.02	YC=	887.86	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	4.170	YN=	887.91	DEPN=	0.91	YC=	887.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	4.189	YN=	887.08	DEPN=	0.88	YC=	886.96	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	4.208	YN=	886.27	DEPN=	0.87	YC=	886.15	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	4.227	YN=	885.46	DEPN=	0.86	YC=	885.34	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	4.246	YN=	884.65	DEPN=	0.85	YC=	884.53	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	4.265	YN=	883.84	DEPN=	0.84	YC=	883.72	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	131	X=	4.284	YN=	883.03	DEPN=	0.83	YC=	882.91	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	4.303	YN=	882.20	DEPN=	0.80	YC=	882.11	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	4.322	YN=	881.38	DEPN=	0.78	YC=	881.28	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	4.341	YN=	880.57	DEPN=	0.77	YC=	880.47	DEPC=	0.67	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	4.360	YN=	879.73	DEPN=	0.73	YC=	879.65	DEPC=	0.65	IFR=	0	ITN=	10	ITC=	10
I=	136	X=	4.455	YN=	874.74	DEPN=	0.74	YC=	874.66	DEPC=	0.66	IFR=	0	ITN=	10	ITC=	10

I=	137	X=	4.550	YN=	869.74	DEPN=	0.74	YC=	869.66	DEPC=	0.66	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	4.565	YN=	869.21	DEPN=	0.80	YC=	869.10	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	139	X=	4.580	YN=	868.64	DEPN=	0.81	YC=	868.54	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	4.595	YN=	868.08	DEPN=	0.83	YC=	867.97	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	4.610	YN=	867.51	DEPN=	0.84	YC=	867.39	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	4.625	YN=	866.95	DEPN=	0.86	YC=	866.82	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	4.640	YN=	866.37	DEPN=	0.87	YC=	866.24	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	4.655	YN=	865.80	DEPN=	0.88	YC=	865.66	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	145	X=	4.670	YN=	865.22	DEPN=	0.89	YC=	865.09	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	146	X=	4.685	YN=	864.65	DEPN=	0.90	YC=	864.51	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	147	X=	4.700	YN=	864.07	DEPN=	0.91	YC=	863.93	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	148	X=	4.715	YN=	863.50	DEPN=	0.91	YC=	863.36	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	149	X=	4.730	YN=	862.99	DEPN=	0.99	YC=	862.78	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	150	X=	4.825	YN=	860.93	DEPN=	0.93	YC=	860.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	151	X=	4.920	YN=	858.87	DEPN=	0.87	YC=	858.72	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	152	X=	5.015	YN=	856.35	DEPN=	0.85	YC=	856.22	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	153	X=	5.110	YN=	853.79	DEPN=	0.79	YC=	853.71	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	154	X=	5.129	YN=	852.90	DEPN=	0.80	YC=	852.80	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	155	X=	5.148	YN=	852.01	DEPN=	0.81	YC=	851.91	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	156	X=	5.167	YN=	851.11	DEPN=	0.81	YC=	851.01	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	157	X=	5.186	YN=	850.20	DEPN=	0.80	YC=	850.11	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	158	X=	5.205	YN=	849.30	DEPN=	0.80	YC=	849.20	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	159	X=	5.224	YN=	848.39	DEPN=	0.79	YC=	848.30	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	160	X=	5.243	YN=	847.49	DEPN=	0.79	YC=	847.39	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	161	X=	5.262	YN=	846.58	DEPN=	0.78	YC=	846.49	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	162	X=	5.281	YN=	845.68	DEPN=	0.78	YC=	845.58	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	163	X=	5.300	YN=	844.76	DEPN=	0.76	YC=	844.68	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1, N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0							

IN=	163	YNN=	844.76	DEP=	0.76								
	I=	162	X=	5.281	QIL=	500.	YIL=	845.68	DEP=	0.78	ITB=	5	
	I=	161	X=	5.262	QIL=	500.	YIL=	846.58	DEP=	0.78	ITB=	5	
	I=	160	X=	5.243	QIL=	500.	YIL=	847.49	DEP=	0.79	ITB=	5	
	I=	159	X=	5.224	QIL=	500.	YIL=	848.39	DEP=	0.79	ITB=	5	
	I=	158	X=	5.205	QIL=	500.	YIL=	849.30	DEP=	0.80	ITB=	5	
	I=	157	X=	5.186	QIL=	500.	YIL=	850.20	DEP=	0.80	ITB=	5	
	I=	156	X=	5.167	QIL=	500	YIL=	851.10	DEP=	0.80	ITB=	6	
	I=	155	X=	5.148	QIL=	500.	YIL=	852.01	DEP=	0.81	ITB=	6	
	I=	154	X=	5.129	QIL=	500	YIL=	852.91	DEP=	0.81	ITB=	6	
	I=	153	X=	5.110	QIL=	500.	YIL=	853.81	DEP=	0.81	ITB=	6	

I=	152	X=	5.015	QIL=	500.	YIL=	856.39	DEP=	0.89	ITB=	6
I=	151	X=	4.920	QIL=	500.	YIL=	858.84	DEP=	0.84	ITB=	5
I=	150	X=	4.825	QIL=	500.	YIL=	860.98	DEP=	0.98	ITB=	5
I=	149	X=	4.730	QIL=	500.	YIL=	862.93	DEP=	0.93	ITB=	5
I=	148	X=	4.715	QIL=	500.	YIL=	863.50	DEP=	0.92	ITB=	6
I=	147	X=	4.700	QIL=	500.	YIL=	864.08	DEP=	0.91	ITB=	6
I=	146	X=	4.685	QIL=	500.	YIL=	864.65	DEP=	0.90	ITB=	6
I=	145	X=	4.670	QIL=	500.	YIL=	865.23	DEP=	0.89	ITB=	6
I=	144	X=	4.655	QIL=	500.	YIL=	865.80	DEP=	0.88	ITB=	6
I=	143	X=	4.640	QIL=	500.	YIL=	866.37	DEP=	0.87	ITB=	6
I=	142	X=	4.625	QIL=	500.	YIL=	866.94	DEP=	0.86	ITB=	6
I=	141	X=	4.610	QIL=	500.	YIL=	867.51	DEP=	0.85	ITB=	6
I=	140	X=	4.595	QIL=	500.	YIL=	868.08	DEP=	0.83	ITB=	6
I=	139	X=	4.580	QIL=	500.	YIL=	868.65	DEP=	0.81	ITB=	6
I=	138	X=	4.565	QIL=	500.	YIL=	869.21	DEP=	0.79	ITB=	6
I=	137	X=	4.550	QIL=	500.	YIL=	869.77	DEP=	0.77	ITB=	5
I=	136	X=	4.455	QIL=	500.	YIL=	874.72	DEP=	0.72	ITB=	3
I=	135	X=	4.360	QIL=	500.	YIL=	879.74	DEP=	0.74	ITB=	4
I=	134	X=	4.341	QIL=	500.	YIL=	880.55	DEP=	0.75	ITB=	6
I=	133	X=	4.322	QIL=	500.	YIL=	881.39	DEP=	0.79	ITB=	5
I=	132	X=	4.303	QIL=	500.	YIL=	882.20	DEP=	0.80	ITB=	6
I=	131	X=	4.284	QIL=	500.	YIL=	883.03	DEP=	0.83	ITB=	6
I=	130	X=	4.265	QIL=	500.	YIL=	883.83	DEP=	0.83	ITB=	6
I=	129	X=	4.246	QIL=	500.	YIL=	884.65	DEP=	0.85	ITB=	6
I=	128	X=	4.227	QIL=	500.	YIL=	885.46	DEP=	0.86	ITB=	6
I=	127	X=	4.208	QIL=	500.	YIL=	886.28	DEP=	0.88	ITB=	6
I=	126	X=	4.189	QIL=	500.	YIL=	887.08	DEP=	0.88	ITB=	6
I=	125	X=	4.170	QIL=	500.	YIL=	887.90	DEP=	0.90	ITB=	6
I=	124	X=	4.161	QIL=	500.	YIL=	888.10	DEP=	1.00	ITB=	7
I=	123	X=	4.151	QIL=	500.	YIL=	888.21	DEP=	1.01	ITB=	7
I=	122	X=	4.142	QIL=	500.	YIL=	888.31	DEP=	1.01	ITB=	7
I=	121	X=	4.132	QIL=	500.	YIL=	888.41	DEP=	1.01	ITB=	7
I=	120	X=	4.123	QIL=	500.	YIL=	888.51	DEP=	1.01	ITB=	7
I=	119	X=	4.113	QIL=	500.	YIL=	888.61	DEP=	1.01	ITB=	7
I=	118	X=	4.104	QIL=	500.	YIL=	888.70	DEP=	1.00	ITB=	7
I=	117	X=	4.094	QIL=	500.	YIL=	888.80	DEP=	1.00	ITB=	7
I=	116	X=	4.085	QIL=	500.	YIL=	888.89	DEP=	0.99	ITB=	7
I=	115	X=	4.075	QIL=	500.	YIL=	888.99	DEP=	0.99	ITB=	7
I=	114	X=	4.066	QIL=	500.	YIL=	889.09	DEP=	0.99	ITB=	7
I=	113	X=	4.056	QIL=	500.	YIL=	889.18	DEP=	0.98	ITB=	7
I=	112	X=	4.047	QIL=	500.	YIL=	889.27	DEP=	0.97	ITB=	7
I=	111	X=	4.037	QIL=	500.	YIL=	889.37	DEP=	0.97	ITB=	7
I=	110	X=	4.028	QIL=	500.	YIL=	889.46	DEP=	0.96	ITB=	7
I=	109	X=	4.018	QIL=	500.	YIL=	889.55	DEP=	0.95	ITB=	7
I=	108	X=	4.009	QIL=	500.	YIL=	889.65	DEP=	0.95	ITB=	6
I=	107	X=	3.999	QIL=	500.	YIL=	889.73	DEP=	0.93	ITB=	6
I=	106	X=	3.990	QIL=	500.	YIL=	889.82	DEP=	0.92	ITB=	6
I=	105	X=	3.980	QIL=	500.	YIL=	889.91	DEP=	0.91	ITB=	6

WATER DID NOT CONVERGE IN 15 ITERATIONS. PROGRAM STOPS AT SECTION NO= 104

I=	104	X=	3.953	QIL=	500.	YIL=	890.95	DEP=	0.67	ITB=	36
I=	103	X=	3.926	QIL=	500.	YIL=	892.48	DEP=	0.91	ITB=	5
I=	102	X=	3.899	QIL=	500.	YIL=	893.59	DEP=	0.73	ITB=	6
I=	101	X=	3.871	QIL=	500.	YIL=	895.06	DEP=	0.91	ITB=	5
I=	100	X=	3.844	QIL=	500.	YIL=	896.21	DEP=	0.78	ITB=	6
I=	99	X=	3.817	QIL=	500.	YIL=	897.63	DEP=	0.91	ITB=	5
I=	98	X=	3.790	QIL=	500.	YIL=	898.82	DEP=	0.82	ITB=	6

I=	97	X=	3.779	QIL=	500.	YIL=	899.29	DEP=	0.93	ITB=	6
I=	96	X=	3.768	QIL=	500.	YIL=	899.59	DEP=	0.89	ITB=	6
I=	95	X=	3.756	QIL=	500.	YIL=	899.97	DEP=	0.91	ITB=	6
I=	94	X=	3.745	QIL=	500.	YIL=	900.31	DEP=	0.90	ITB=	6
I=	93	X=	3.734	QIL=	500.	YIL=	900.67	DEP=	0.90	ITB=	6
I=	92	X=	3.723	QIL=	500.	YIL=	901.02	DEP=	0.90	ITB=	6
I=	91	X=	3.712	QIL=	500.	YIL=	901.37	DEP=	0.90	ITB=	6
I=	90	X=	3.701	QIL=	500.	YIL=	901.73	DEP=	0.90	ITB=	6
I=	89	X=	3.689	QIL=	500.	YIL=	902.08	DEP=	0.91	ITB=	6
I=	88	X=	3.678	QIL=	500.	YIL=	902.44	DEP=	0.91	ITB=	6
I=	87	X=	3.667	QIL=	500.	YIL=	902.79	DEP=	0.91	ITB=	6
I=	86	X=	3.656	QIL=	500.	YIL=	903.14	DEP=	0.91	ITB=	6
I=	85	X=	3.645	QIL=	500.	YIL=	903.50	DEP=	0.91	ITB=	6
I=	84	X=	3.634	QIL=	500.	YIL=	903.85	DEP=	0.91	ITB=	6
I=	83	X=	3.622	QIL=	500.	YIL=	904.21	DEP=	0.91	ITB=	6
I=	82	X=	3.611	QIL=	500.	YIL=	904.56	DEP=	0.92	ITB=	6
I=	81	X=	3.600	QIL=	500.	YIL=	904.92	DEP=	0.92	ITB=	6
I=	80	X=	3.505	QIL=	500.	YIL=	909.02	DEP=	0.86	ITB=	3
I=	79	X=	3.410	QIL=	500.	YIL=	913.23	DEP=	0.90	ITB=	4
I=	78	X=	3.315	QIL=	500.	YIL=	917.35	DEP=	0.85	ITB=	4
I=	77	X=	3.220	QIL=	500.	YIL=	921.55	DEP=	0.88	ITB=	4
I=	76	X=	3.125	QIL=	500.	YIL=	925.67	DEP=	0.84	ITB=	4
I=	75	X=	3.030	QIL=	500.	YIL=	929.87	DEP=	0.87	ITB=	4
I=	74	X=	3.013	QIL=	500.	YIL=	930.63	DEP=	0.86	ITB=	5
I=	73	X=	2.995	QIL=	500.	YIL=	931.46	DEP=	0.91	ITB=	5
I=	72	X=	2.978	QIL=	500.	YIL=	932.23	DEP=	0.91	ITB=	5
I=	71	X=	2.961	QIL=	500.	YIL=	933.03	DEP=	0.94	ITB=	5
I=	70	X=	2.944	QIL=	500.	YIL=	933.81	DEP=	0.94	ITB=	5
I=	69	X=	2.926	QIL=	500.	YIL=	934.60	DEP=	0.96	ITB=	5
I=	68	X=	2.909	QIL=	500.	YIL=	935.38	DEP=	0.97	ITB=	6
I=	67	X=	2.892	QIL=	500.	YIL=	936.17	DEP=	0.99	ITB=	5
I=	66	X=	2.875	QIL=	500.	YIL=	936.94	DEP=	0.99	ITB=	6
I=	65	X=	2.857	QIL=	500.	YIL=	937.73	DEP=	1.00	ITB=	5
I=	64	X=	2.840	QIL=	500.	YIL=	938.51	DEP=	1.01	ITB=	6
I=	63	X=	2.823	QIL=	500.	YIL=	939.29	DEP=	1.02	ITB=	6
I=	62	X=	2.805	QIL=	500.	YIL=	940.07	DEP=	1.02	ITB=	6
I=	61	X=	2.788	QIL=	500.	YIL=	940.85	DEP=	1.03	ITB=	6
I=	60	X=	2.771	QIL=	500.	YIL=	941.63	DEP=	1.04	ITB=	6
I=	59	X=	2.754	QIL=	500.	YIL=	942.41	DEP=	1.04	ITB=	6
I=	58	X=	2.736	QIL=	500.	YIL=	943.18	DEP=	1.05	ITB=	6
I=	57	X=	2.719	QIL=	500.	YIL=	943.96	DEP=	1.05	ITB=	6
I=	56	X=	2.702	QIL=	500.	YIL=	944.74	DEP=	1.06	ITB=	6
I=	55	X=	2.685	QIL=	500.	YIL=	945.52	DEP=	1.06	ITB=	6
I=	54	X=	2.667	QIL=	500.	YIL=	946.29	DEP=	1.07	ITB=	6
I=	53	X=	2.650	QIL=	500.	YIL=	947.07	DEP=	1.07	ITB=	6
I=	52	X=	2.555	QIL=	500.	YIL=	951.57	DEP=	1.07	ITB=	5
I=	51	X=	2.460	QIL=	500.	YIL=	956.08	DEP=	1.08	ITB=	5
I=	50	X=	2.433	QIL=	500.	YIL=	957.13	DEP=	1.13	ITB=	5
I=	49	X=	2.406	QIL=	500.	YIL=	958.11	DEP=	1.11	ITB=	5
I=	48	X=	2.379	QIL=	500.	YIL=	959.13	DEP=	1.13	ITB=	5
I=	47	X=	2.351	QIL=	500.	YIL=	960.13	DEP=	1.13	ITB=	5
I=	46	X=	2.324	QIL=	500.	YIL=	961.14	DEP=	1.14	ITB=	5
I=	45	X=	2.297	QIL=	500.	YIL=	962.15	DEP=	1.15	ITB=	5
I=	44	X=	2.270	QIL=	500.	YIL=	963.16	DEP=	1.16	ITB=	5
I=	43	X=	2.143	QIL=	500.	YIL=	969.41	DEP=	1.08	ITB=	3
I=	42	X=	2.017	QIL=	500.	YIL=	975.82	DEP=	1.15	ITB=	5
I=	41	X=	1.890	QIL=	500	YIL=	982.08	DEP=	1.08	ITB=	5
I=	40	X=	1.767	QIL=	500.	YIL=	989.12	DEP=	1.12	ITB=	4
I=	39	X=	1.643	QIL=	500.	YIL=	996.09	DEP=	1.09	ITB=	5
I=	38	X=	1.520	QIL=	500	YIL=	1003.12	DEP=	1.12	ITB=	5

I=	37	X=	1.330	QIL=	500.	YIL=	1013.55	DEP=	1.05	ITB=	5
I=	36	X=	1.140	QIL=	500.	YIL=	1024.01	DEP=	1.01	ITB=	4
I=	35	X=	1.128	QIL=	500.	YIL=	1024.66	DEP=	1.00	ITB=	6
I=	34	X=	1.116	QIL=	500.	YIL=	1025.32	DEP=	1.01	ITB=	6
I=	33	X=	1.104	QIL=	500.	YIL=	1025.97	DEP=	1.00	ITB=	6
I=	32	X=	1.092	QIL=	500.	YIL=	1026.64	DEP=	1.01	ITB=	5
I=	31	X=	1.081	QIL=	500.	YIL=	1027.29	DEP=	1.01	ITB=	5
I=	30	X=	1.069	QIL=	500.	YIL=	1027.95	DEP=	1.01	ITB=	5
I=	29	X=	1.057	QIL=	500.	YIL=	1028.61	DEP=	1.01	ITB=	5
I=	28	X=	1.045	QIL=	500.	YIL=	1029.27	DEP=	1.02	ITB=	5
I=	27	X=	1.033	QIL=	500.	YIL=	1029.92	DEP=	1.02	ITB=	5
I=	26	X=	1.021	QIL=	500.	YIL=	1030.58	DEP=	1.02	ITB=	5
I=	25	X=	1.009	QIL=	500.	YIL=	1031.24	DEP=	1.02	ITB=	5
I=	24	X=	0.997	QIL=	500.	YIL=	1031.90	DEP=	1.02	ITB=	5
I=	23	X=	0.986	QIL=	500.	YIL=	1032.56	DEP=	1.03	ITB=	5
I=	22	X=	0.974	QIL=	500.	YIL=	1033.22	DEP=	1.03	ITB=	5
I=	21	X=	0.962	QIL=	500.	YIL=	1033.87	DEP=	1.03	ITB=	5
I=	20	X=	0.950	QIL=	500.	YIL=	1034.53	DEP=	1.03	ITB=	5
I=	19	X=	0.938	QIL=	500.	YIL=	1035.19	DEP=	1.04	ITB=	5
I=	18	X=	0.926	QIL=	500.	YIL=	1035.85	DEP=	1.04	ITB=	5
I=	17	X=	0.914	QIL=	500.	YIL=	1036.51	DEP=	1.04	ITB=	5
I=	16	X=	0.902	QIL=	500.	YIL=	1037.17	DEP=	1.05	ITB=	5
I=	15	X=	0.891	QIL=	500.	YIL=	1037.83	DEP=	1.05	ITB=	5
I=	14	X=	0.879	QIL=	500.	YIL=	1038.49	DEP=	1.06	ITB=	5
I=	13	X=	0.867	QIL=	500.	YIL=	1039.16	DEP=	1.06	ITB=	5
I=	12	X=	0.855	QIL=	500.	YIL=	1039.82	DEP=	1.07	ITB=	5
I=	11	X=	0.843	QIL=	500.	YIL=	1040.48	DEP=	1.08	ITB=	5
I=	10	X=	0.831	QIL=	500.	YIL=	1041.15	DEP=	1.08	ITB=	5
I=	9	X=	0.819	QIL=	500.	YIL=	1041.81	DEP=	1.09	ITB=	5
I=	8	X=	0.807	QIL=	500.	YIL=	1042.48	DEP=	1.11	ITB=	4
I=	7	X=	0.796	QIL=	500.	YIL=	1043.14	DEP=	1.11	ITB=	4
I=	6	X=	0.784	QIL=	500.	YIL=	1043.81	DEP=	1.12	ITB=	4
I=	5	X=	0.772	QIL=	500.	YIL=	1044.48	DEP=	1.13	ITB=	5
I=	4	X=	0.760	QIL=	500.	YIL=	1045.15	DEP=	1.15	ITB=	5
I=	3	X=	0.570	QIL=	500.	YIL=	1060.04	DEP=	1.04	ITB=	5
I=	2	X=	0.380	QIL=	500.	YIL=	1075.07	DEP=	1.07	ITB=	5
I=	1	X=	0.000	QIL=	500.	YIL=	1111.20	DEP=	17.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.

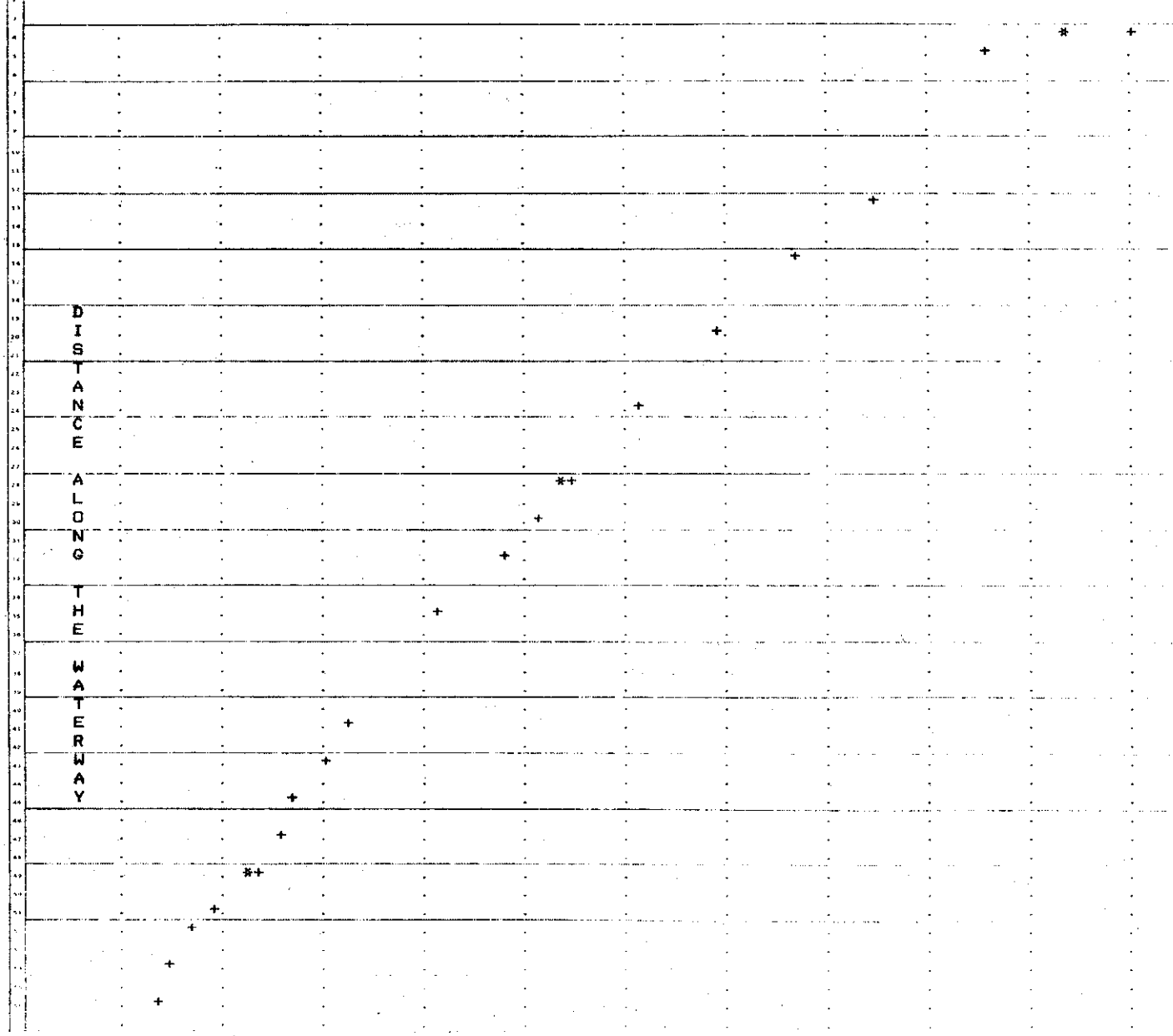
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.					

(YI(I), I=1, N)

1111.20	1075.07	1060.04	1045.15	1044.48	1043.81	1043.14	1042.48
1041.81	1041.15	1040.48	1039.82	1039.16	1038.49	1037.83	1037.17
1036.51	1035.85	1035.19	1034.53	1033.87	1033.22	1032.56	1031.90
1031.24	1030.58	1029.92	1029.27	1028.61	1027.95	1027.29	1026.64
1025.97	1025.32	1024.66	1024.01	1013.55	1003.12	996.09	989.12
982.08	975.82	969.41	963.16	962.15	961.14	960.13	959.13
958.11	957.13	956.08	951.57	947.07	946.29	945.52	944.74
943.96	943.18	942.41	941.63	940.85	940.07	939.29	938.51
937.73	936.94	936.17	935.38	934.60	933.81	933.03	932.23
931.46	930.63	929.87	925.67	921.55	917.35	913.23	909.02
904.92	904.56	904.21	903.85	903.50	903.14	902.79	902.44
902.08	901.73	901.37	901.02	900.67	900.31	899.97	899.59
899.29	898.82	897.63	896.21	895.06	893.59	892.48	890.95
889.91	889.82	889.73	889.65	889.55	889.46	889.37	889.27
889.18	889.09	888.99	888.89	888.80	888.70	888.61	888.51
888.41	888.31	888.21	888.10	887.90	887.08	886.28	885.46
884.65	883.83	883.03	882.20	881.39	880.55	879.74	874.72
869.77	869.21	868.65	868.08	867.51	866.94	866.37	865.80
865.23	864.65	864.08	863.50	862.93	860.98	858.84	856.39
853.81	852.91	852.01	851.10	850.20	849.30	848.39	847.49
846.58	845.68	844.76					

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1094.00	1111.20	17.20
0.38	1074.00	1075.07	1.07
0.76	1044.00	1045.15	1.15
1.14	1023.00	1024.01	1.01
1.52	1002.00	1003.12	1.12
1.89	981.00	982.08	1.08
2.27	962.00	963.16	1.16
2.46	955.00	956.08	1.08
2.65	946.00	947.07	1.07
3.03	929.00	929.87	0.87
3.60	904.00	904.92	0.92
3.79	898.00	898.82	0.82
3.98	889.00	889.91	0.91
4.17	887.00	887.90	0.90
4.36	879.00	879.74	0.74
4.55	869.00	869.77	0.77
4.73	862.00	862.93	0.93
4.92	858.00	858.84	0.84
5.11	853.00	853.81	0.81

844.0 870.7 897.4 924.2 950.9 977.6 1004.3 1031.0 1057.8 1084.5 1111.2

5.30 844.00 844.76 0.76

ELEVATION

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	7.250
TIME TO PEAK	HR	TP	2.250
TIME STEP SIZE	HR	DTHI	0.025

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     500.00     YU(1) =     1111.20  QU(N) =     500.00  YU(N) =     844.76
FRDM=     1.67  IIFR=  104  FRM=0.00 IIFM=    1

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     500.00     YU(1) =     1111.20  QU(N) =     500.00  YU(N) =     844.77
FRDM=     1.85  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1111.20	1117.00	1075.07	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     500.00     YU(1) =     1111.20  QU(N) =     523.61  YU(N) =     844.77
FRDM=     1.75  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1111.20	1117.00	1075.07	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =   0.1125          DTH =  0.1125          ITERR =   0
QU(1) =     500.00     YU(1) =    1111.21  QU(N) =     517.54  YU(N) =     844.77
FRDM=    1.77  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    0.112     500.0   1111.21   1117.00   1075.07      1.00      0.0     500.0       0.0       0.0    500.0

TT =   0.2250          DTH =  0.1125          ITERR =   0
QU(1) =     504.50     YU(1) =    1111.23  QU(N) =     521.86  YU(N) =     844.77
FRDM=    1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    0.225     504.5   1111.23   1117.00   1075.07      1.00      0.0     504.5       0.0       0.0    504.5

TT =   0.3375          DTH =  0.1125          ITERR =   0
QU(1) =     511.68     YU(1) =    1111.25  QU(N) =     518.81  YU(N) =     844.77
FRDM=    1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    0.338     511.7   1111.25   1117.00   1075.07      1.00      0.0     511.7       0.0       0.0    511.7

TT =   0.4500          DTH =  0.1125          ITERR =   0
QU(1) =     523.69     YU(1) =    1111.29  QU(N) =     520.89  YU(N) =     844.77
FRDM=    1.78  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    0.450     523.7   1111.29   1117.00   1075.08      1.00      0.0     523.7       0.0       0.0    523.7
```

```
TT =   0.5625          DTH =  0.1125          ITERR =   0
QU(1) =      543.29    YU(1) =     1111.33  QU(N) =     519.48  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.563      543.3   1111.33   1117.00   1075.09      1.00      0.0      543.3       0.0       0.0    543.3

TT =   0.6750          DTH =  0.1125          ITERR =   0
QU(1) =      576.18    YU(1) =     1111.39  QU(N) =     520.44  YU(N) =     844.77
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.675      576.2   1111.39   1117.00   1075.10      1.00      0.0      576.2       0.0       0.0    576.2

TT =   0.7875          DTH =  0.1125          ITERR =   0
QU(1) =      628.01    YU(1) =     1111.47  QU(N) =     519.82  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.788      628.0   1111.47   1117.00   1075.12      1.00      0.0      628.0       0.0       0.0    628.0

TT =   0.9000          DTH =  0.1125          ITERR =   0
QU(1) =      702.41    YU(1) =     1111.56  QU(N) =     520.34  YU(N) =     844.77
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.900      702.4   1111.56   1117.00   1075.14      1.00      0.0      702.4       0.0       0.0    702.4
```

```
TT =   1.0125          DTH =  0.1125          ITERR =   0
QU(1) =     802.04     YU(1) =     1111.67  QU(N) =     520.12  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.013     802.0   1111.67   1117.00   1075.18      1.00       0.0     802.0       0.0       0.0     802.0

TT =   1.1250          DTH =  0.1125          ITERR =   0
QU(1) =     933.06     YU(1) =     1111.80  QU(N) =     520.44  YU(N) =     844.77
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.125     933.1   1111.80   1117.00   1075.22      1.00       0.0     933.1       0.0       0.0     933.1

TT =   1.2375          DTH =  0.1125          ITERR =   0
QU(1) =    1102.01     YU(1) =     1111.94  QU(N) =     520.37  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.237    1102.0   1111.94   1117.00   1075.27      1.00       0.0    1102.0       0.0       0.0    1102.0

TT =   1.3500          DTH =  0.1125          ITERR =   0
QU(1) =    1310.35     YU(1) =     1112.10  QU(N) =     520.62  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.350    1310.3   1112.10   1117.00   1075.33      1.00       0.0    1310.3       0.0       0.0    1310.3
```

```
TT =    1.4625          DTH =  0.1125          ITERR =    0
QU(1) =     1557.60     YU(1) =    1112.28  QU(N) =     520.98  YU(N) =     844.77
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.462     1557.6   1112.28   1117.00   1075.39      1.00       0.0    1557.6       0.0       0.0    1557.6

TT =    1.5750          DTH =  0.1125          ITERR =    1
QU(1) =     1937.29     YU(1) =    1112.52  QU(N) =     521.62  YU(N) =     844.77
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.575     1937.3   1112.52   1117.00   1075.47      1.00       0.0    1937.3       0.0       0.0    1937.3

TT =    1.6875          DTH =  0.1125          ITERR =    1
QU(1) =     2602.70     YU(1) =    1112.90  QU(N) =     523.56  YU(N) =     844.77
FRDM=     1.81  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.687     2602.7   1112.90   1117.00   1075.61      1.00       0.0    2602.7       0.0       0.0    2602.7

TT =    1.8000          DTH =  0.1125          ITERR =    1
QU(1) =     3807.82     YU(1) =    1113.51  QU(N) =     526.67  YU(N) =     844.77
FRDM=     1.77  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.800     3807.8   1113.51   1117.00   1075.81      1.00       0.0    3807.8       0.0       0.0    3807.8
```

```
TT =    1.9125          DTH =  0.1125          ITERR =    1
GU(1) =     6010.68     YU(1) =     1114.44  GU(N) =      531.21  YU(N) =      844.78
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.912     6010.7   1114.44   1117.00   1076.12      1.00       0.0    6010.7       0.0       0.0    6010.7

TT =    2.0250          DTH =  0.1125          ITERR =    1
GU(1) =     9330.31     YU(1) =     1115.64  GU(N) =      537.01  YU(N) =      844.78
FRDM=     1.79  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.025     9330.3   1115.64   1117.00   1076.49      1.00       0.0    9330.3       0.0       0.0    9330.3

TT =    2.0500          DTH =  0.0250          ITERR =    1
GU(1) =     10166.21    YU(1) =     1115.91  GU(N) =      537.77  YU(N) =      844.78
FRDM=     1.87  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.050   10166.2   1115.91   1117.00   1076.58      1.00       0.0   10166.2       0.0       0.0   10166.2

TT =    2.0750          DTH =  0.0250          ITERR =    1
GU(1) =     10988.47    YU(1) =     1116.18  GU(N) =      538.94  YU(N) =      844.78
FRDM=     1.87  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.075   10988.5   1116.18   1116.15   1076.65      1.00      13.5   10988.5       0.2       0.0   10988.3
```

```
TT =   2.1000          DTH =  0.0250          ITERR =   1
QU(1) =   11896.12     YU(1) =    1116.43  QU(N) =     539.69  YU(N) =     844.78
FRDM=    1.89  IIFR=  104  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.100	11896.1	1116.43	1115.30	1076.74	1.00	27.0	11896.1	103.5	0.0	11792.6

```
TT =   2.1250          DTH =  0.0250          ITERR =   1
QU(1) =   13006.19     YU(1) =    1116.67  QU(N) =     540.75  YU(N) =     844.78
FRDM=    1.88  IIFR=  104  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.125	13006.2	1116.67	1114.45	1076.83	1.00	40.5	13006.2	432.1	0.0	12574.1

```
TT =   2.1500          DTH =  0.0250          ITERR =   1
QU(1) =   14371.77     YU(1) =    1116.89  QU(N) =     542.05  YU(N) =     844.78
FRDM=    1.90  IIFR=  104  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.150	14371.8	1116.89	1113.60	1076.94	1.00	54.0	14371.8	1047.2	0.0	13324.6

```
TT =   2.1750          DTH =  0.0250          ITERR =   1
QU(1) =   16754.87     YU(1) =    1117.09  QU(N) =     543.41  YU(N) =     844.78
FRDM=    1.90  IIFR=  104  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.175	16754.9	1117.09	1112.75	1077.12	1.00	67.5	16754.9	1988.7	768.6	13997.5

```
TT =    2.2000          DTH =   0.0250          ITERR =    1
QU(1) =    21325.59     YU(1) =     1117.27  QU(N) =      544.24  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.200	21325.6	1117.27	1111.90	1077.42	1.00	81.0	21325.6	3286.5	3519.7	14519.4

```
TT =    2.2250          DTH =   0.0250          ITERR =    1
QU(1) =    26230.24     YU(1) =     1117.40  QU(N) =      545.15  YU(N) =      844.78
FRDM=     1.90  IIFR=  104  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.225	26230.2	1117.40	1111.05	1077.72	1.00	94.5	26230.2	4939.5	6400.5	14890.3

```
TT =    2.2500          DTH =   0.0250          ITERR =    1
QU(1) =    30792.94     YU(1) =     1117.49  QU(N) =      545.77  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.250	30792.9	1117.49	1110.20	1077.97	1.00	108.0	30792.9	6950.0	8723.9	15119.0

```
TT =    2.2750          DTH =   0.0250          ITERR =    1
QU(1) =    34666.88     YU(1) =     1117.55  QU(N) =      546.34  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.275	34666.9	1117.55	1109.35	1078.17	1.00	121.5	34666.9	9315.0	10144.1	15207.8

```
TT =    2.3000          DTH =  0.0250          ITERR =    1
QU(1) =    37743.59     YU(1) =     1117.56  QU(N) =      546.69  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.300    37743.6   1117.56   1108.50   1078.33      1.00     135.0   37743.6   12029.8   10550.4   15163.4

TT =    2.3250          DTH =  0.0250          ITERR =    1
QU(1) =    40258.09     YU(1) =     1117.54  QU(N) =      546.96  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.325    40258.1   1117.54   1107.65   1078.45      1.00     148.5   40258.1   15092.7   10063.2   15102.1

TT =    2.3500          DTH =  0.0250          ITERR =    1
QU(1) =    42289.25     YU(1) =     1117.50  QU(N) =      547.28  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.350    42289.3   1117.50   1106.80   1078.54      1.00     162.0   42289.3   18507.9    8838.1   14943.2

TT =    2.3750          DTH =  0.0250          ITERR =    1
QU(1) =    44026.17     YU(1) =     1117.43  QU(N) =      547.57  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.375    44026.2   1117.43   1105.95   1078.62      1.00     175.5   44026.2   22273.3    7055.7   14697.2
```

```
TT =   2.4000          DTH =  0.0250          ITERR =   1
QU(1) =   45657.81     YU(1) =    1117.34  QU(N) =     547.84  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.400   45657.8   1117.34   1105.10   1078.69      1.00     189.0   45657.8   26384.1    4903.6   14370.1

TT =   2.4250          DTH =  0.0250          ITERR =   1
QU(1) =   47398.11     YU(1) =    1117.22  QU(N) =     547.89  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.425   47398.1   1117.22   1104.25   1078.77      1.00     202.5   47398.1   30831.8    2603.2   13963.1

TT =   2.4500          DTH =  0.0250          ITERR =   1
QU(1) =   49614.42     YU(1) =    1117.08  QU(N) =     547.86  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.450   49614.4   1117.08   1103.40   1078.86      1.00     216.0   49614.4   35591.2     555.4   13467.9

TT =   2.4750          DTH =  0.0250          ITERR =   1
QU(1) =   53470.62     YU(1) =    1116.90  QU(N) =     547.88  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.475   53470.6   1116.90   1102.55   1079.00      1.00     229.5   53470.6   40613.1       0.0   12857.5
```

```
TT =   2.5000          DTH =  0.0250          ITERR =   1
QU(1) =   57896.96     YU(1) =    1116.67  QU(N) =     547.87  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.500    57897.0   1116.67   1101.70   1079.17      1.00     243.0   57897.0   45805.0       0.0   12091.9

TT =   2.5250          DTH =  0.0250          ITERR =   1
QU(1) =   62277.79     YU(1) =    1116.39  QU(N) =     547.87  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.525    62277.8   1116.39   1100.85   1079.33      1.00     256.5   62277.8   51103.1       0.0   11174.7

TT =   2.5500          DTH =  0.0250          ITERR =   1
QU(1) =   66561.99     YU(1) =    1116.05  QU(N) =     547.87  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.550    66562.0   1116.05   1100.00   1079.48      1.00     270.0   66562.0   56450.5       0.0   10111.4

TT =   2.5750          DTH =  0.0250          ITERR =   1
QU(1) =   63530.35     YU(1) =    1115.70  QU(N) =     547.87  YU(N) =     844.78
FRDM=    1.91  IIFR=  104  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.575    63530.4   1115.70   1100.00   1079.40      1.00     270.0   63530.4   54516.7       0.0    9013.7
```

```
TT =    2.6000          DTH =  0.0250          ITERR =    1
QU(1) =    60653.07     YU(1) =     1115.35  QU(N) =     547.87  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.600	60653.1	1115.35	1100.00	1079.30	1.00	270.0	60653.1	52663.7	0.0	7989.3

```
TT =    2.6250          DTH =  0.0250          ITERR =    1
QU(1) =    57919.86     YU(1) =     1115.01  QU(N) =     547.87  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.625	57919.9	1115.01	1100.00	1079.20	1.00	270.0	57919.9	50885.4	0.0	7034.5

```
TT =    2.6500          DTH =  0.0250          ITERR =    1
QU(1) =    55322.63     YU(1) =     1114.68  QU(N) =     547.87  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.650	55322.6	1114.68	1100.00	1079.10	1.00	270.0	55322.6	49177.4	0.0	6145.3

```
TT =    2.6750          DTH =  0.0250          ITERR =    1
QU(1) =    52853.46     YU(1) =     1114.36  QU(N) =     547.87  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.675	52853.5	1114.36	1100.00	1079.01	1.00	270.0	52853.5	47534.6	0.0	5318.8

```
TT =    2.7000          DTH =  0.0250          ITERR =    1
QU(1) =    50503.25     YU(1) =     1114.05  QU(N) =      547.87  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.700	50503.3	1114.05	1100.00	1078.92	1.00	270.0	50503.3	45951.7	0.0	4551.6

```
TT =    2.7250          DTH =  0.0250          ITERR =    1
QU(1) =    48264.86     YU(1) =     1113.75  QU(N) =      547.87  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.725	48264.9	1113.75	1100.00	1078.83	1.00	270.0	48264.9	44423.8	0.0	3841.1

```
TT =    2.7500          DTH =  0.0250          ITERR =    1
QU(1) =    46131.34     YU(1) =     1113.45  QU(N) =      547.87  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.750	46131.3	1113.45	1100.00	1078.74	1.00	270.0	46131.3	42945.8	0.0	3185.6

```
TT =    2.7750          DTH =  0.0250          ITERR =    1
QU(1) =    44105.88     YU(1) =     1113.16  QU(N) =      547.90  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.775	44105.9	1113.16	1100.00	1078.65	1.00	270.0	44105.9	41520.0	0.0	2585.9

```
TT =    2.8000          DTH =  0.0250          ITERR =    1
QU(1) =    42190.75     YU(1) =     1112.87  QU(N) =      548.13  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.800   42190.7   1112.87   1100.00   1078.57      1.00     270.0   42190.7   40147.7       0.0    2043.0

TT =    2.8250          DTH =  0.0250          ITERR =    1
QU(1) =    40380.06     YU(1) =     1112.59  QU(N) =      548.23  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.825   40380.1   1112.59   1100.00   1078.49      1.00     270.0   40380.1   38824.0       0.0    1556.0

TT =    2.8500          DTH =  0.0250          ITERR =    1
QU(1) =    38669.68     YU(1) =     1112.32  QU(N) =      548.41  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.850   38669.7   1112.32   1100.00   1078.41      1.00     270.0   38669.7   37545.3       0.0    1124.3

TT =    2.8750          DTH =  0.0250          ITERR =    1
QU(1) =    37055.38     YU(1) =     1112.06  QU(N) =      548.51  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.875   37055.4   1112.06   1100.00   1078.33      1.00     270.0   37055.4   36306.3       0.0     749.1
```

```
TT =    2.9000          DTH =   0.0250          ITERR =    2
QU(1) =    35535.98     YU(1) =     1111.79  GU(N) =      548.45  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     2.900    35536.0   1111.79   1100.00   1078.26      1.00     270.0   35536.0   35103.6       0.0     432.4

TT =    2.9250          DTH =   0.0250          ITERR =    2
QU(1) =    34113.79     YU(1) =     1111.54  GU(N) =      548.49  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     2.925    34113.8   1111.54   1100.00   1078.19      1.00     270.0   34113.8   33930.3       0.0     183.5

TT =    2.9500          DTH =   0.0250          ITERR =    2
QU(1) =    32803.36     YU(1) =     1111.28  GU(N) =      548.47  YU(N) =      844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     2.950    32803.4   1111.28   1100.00   1078.12      1.00     270.0   32803.4   32782.3       0.0      21.1

TT =    2.9750          DTH =   0.0250          ITERR =    2
QU(1) =    31650.95     YU(1) =     1111.02  GU(N) =      548.48  YU(N) =      844.78
FRDM=     1.90  IIFR=  104  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     2.975    31650.9   1111.02   1100.00   1078.06      1.00     270.0   31650.9   31650.9       0.0       0.0
```

```
TT =    3.0000          DTH =  0.0250          ITERR =   4
QU(1) =   30529.48     YU(1) =    1110.77  QU(N) =     548.47  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    4    3.000   30529.5   1110.77   1100.00   1078.00      1.00     270.0   30529.5   30529.5       0.0       0.0

TT =    3.0250          DTH =  0.0250          ITERR =   1
QU(1) =   29423.70     YU(1) =    1110.51  QU(N) =     548.48  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.025   29423.7   1110.51   1100.00   1077.94      1.00     270.0   29423.7   29423.7       0.0       0.0

TT =    3.0500          DTH =  0.0250          ITERR =   3
QU(1) =   28340.63     YU(1) =    1110.26  QU(N) =     548.47  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.050   28340.6   1110.26   1100.00   1077.89      1.00     270.0   28340.6   28340.6       0.0       0.0

TT =    3.0750          DTH =  0.0250          ITERR =   2
QU(1) =   27279.62     YU(1) =    1110.00  QU(N) =     548.47  YU(N) =     844.78
FRDM=     1.90  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    3.075   27279.6   1110.00   1100.00   1077.83      1.00     270.0   27279.6   27279.6       0.0       0.0
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```
TT =    3.1000          DTH =  0.0250          ITERR =   3
QU(1) =   26239.96     YU(1) =    1109.75  QU(N) =     548.47  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.100   26240.0   1109.75   1100.00   1077.77      1.00     270.0   26240.0   26240.0       0.0       0.0

TT =    3.1250          DTH =  0.0250          ITERR =   3
QU(1) =   25220.46     YU(1) =    1109.50  QU(N) =     548.45  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.125   25220.5   1109.50   1100.00   1077.71      1.00     270.0   25220.5   25220.5       0.0       0.0

TT =    3.1500          DTH =  0.0250          ITERR =   2
QU(1) =   24220.01     YU(1) =    1109.25  QU(N) =     548.22  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.150   24220.0   1109.25   1100.00   1077.65      1.00     270.0   24220.0   24220.0       0.0       0.0

TT =    3.1750          DTH =  0.0250          ITERR =   2
QU(1) =   23238.04     YU(1) =    1109.01  QU(N) =     548.14  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.175   23238.0   1109.01   1100.00   1077.59      1.00     270.0   23238.0   23238.0       0.0       0.0
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TT =   3.2000          DTH =  0.0250          ITERR =   2
QU(1) =   22273.50     YU(1) =    1108.76  QU(N) =     548.19  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    3.200   22273.5   1108.76   1100.00   1077.53      1.00     270.0   22273.5   22273.5       0.0       0.0

TT =   3.2250          DTH =  0.0250          ITERR =   3
QU(1) =   21325.89     YU(1) =    1108.51  QU(N) =     548.16  YU(N) =     844.78
FRDM=     1.91  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.225   21325.9   1108.51   1100.00   1077.47      1.00     270.0   21325.9   21325.9       0.0       0.0

TT =   3.2500          DTH =  0.0250          ITERR =   3
QU(1) =   20393.80     YU(1) =    1108.27  QU(N) =     548.18  YU(N) =     844.78
FRDM=     2.13  IIFR=  104  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.250   20393.8   1108.27   1100.00   1077.41      1.00     270.0   20393.8   20393.8       0.0       0.0

TT =   3.2750          DTH =  0.0250          ITERR =   3
QU(1) =   19483.64     YU(1) =    1108.02  QU(N) =     548.17  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.275   19483.6   1108.02   1100.00   1077.35      1.00     270.0   19483.6   19483.6       0.0       0.0
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```
TT =    3.3000          DTH =  0.0250          ITERR =   3
QU(1) =    18604.11     YU(1) =     1107.78  QU(N) =     548.17  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.300   18604.1   1107.78   1100.00   1077.29      1.00     270.0   18604.1   18604.1       0.0       0.0

TT =    3.3250          DTH =  0.0250          ITERR =   3
QU(1) =    17756.12     YU(1) =     1107.55  QU(N) =     548.17  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.325   17756.1   1107.55   1100.00   1077.23      1.00     270.0   17756.1   17756.1       0.0       0.0

TT =    3.3500          DTH =  0.0250          ITERR =   3
QU(1) =    16938.94     YU(1) =     1107.32  QU(N) =     548.14  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.350   16938.9   1107.32   1100.00   1077.17      1.00     270.0   16938.9   16938.9       0.0       0.0

TT =    3.3750          DTH =  0.0250          ITERR =   2
QU(1) =    16151.20     YU(1) =     1107.09  QU(N) =     547.88  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.375   16151.2   1107.09   1100.00   1077.11      1.00     270.0   16151.2   16151.2       0.0       0.0
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```
TT =    3.4000          DTH =  0.0250          ITERR =   2
QU(1) =   15391.42     YU(1) =    1106.87  QU(N) =     547.52  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.400   15391.4   1106.87   1100.00   1077.05      1.00     270.0   15391.4   15391.4       0.0       0.0

TT =    3.4250          DTH =  0.0250          ITERR =   2
QU(1) =   14658.18     YU(1) =    1106.65  QU(N) =     546.98  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.425   14658.2   1106.65   1100.00   1077.00      1.00     270.0   14658.2   14658.2       0.0       0.0

TT =    3.4500          DTH =  0.0250          ITERR =   2
QU(1) =   13950.51     YU(1) =    1106.44  QU(N) =     546.34  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.450   13950.5   1106.44   1100.00   1076.94      1.00     270.0   13950.5   13950.5       0.0       0.0

TT =    3.4750          DTH =  0.0250          ITERR =   3
QU(1) =   13267.08     YU(1) =    1106.23  QU(N) =     545.76  YU(N) =     844.78
FRDM=     0.72  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.475   13267.1   1106.23   1100.00   1076.88      1.00     270.0   13267.1   13267.1       0.0       0.0
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```
TT =    3.5000          DTH =   0.0250          ITERR =    3
QU(1) =    12606.60     YU(1) =     1106.03  QU(N) =      545.15  YU(N) =      844.78
FRDM=     2.22  IIFR=  136  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.500    12606.6   1106.03   1100.00   1076.83      1.00     270.0   12606.6   12606.6       0.0       0.0

TT =    3.5250          DTH =   0.0250          ITERR =    3
QU(1) =    11973.63     YU(1) =     1105.82  QU(N) =      544.58  YU(N) =      844.78
FRDM=     2.22  IIFR=  136  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.525    11973.6   1105.82   1100.00   1076.77      1.00     270.0   11973.6   11973.6       0.0       0.0

TT =    3.5500          DTH =   0.0250          ITERR =    4
QU(1) =    11371.90     YU(1) =     1105.63  QU(N) =      544.44  YU(N) =      844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    4     3.550    11371.9   1105.63   1100.00   1076.72      1.00     270.0   11371.9   11371.9       0.0       0.0

TT =    3.5750          DTH =   0.0250          ITERR =    3
QU(1) =    10800.38     YU(1) =     1105.44  QU(N) =      544.11  YU(N) =      844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.575    10800.4   1105.44   1100.00   1076.67      1.00     270.0   10800.4   10800.4       0.0       0.0
```

```
TT =    3.6000          DTH =  0.0250          ITERR =   3
GU(1) =    10257.42     YU(1) =    1105.26  GU(N) =     544.35  YU(N) =     844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.600   10257.4   1105.26   1100.00   1076.61      1.00    270.0   10257.4   10257.4       0.0       0.0

TT =    3.6250          DTH =  0.0250          ITERR =   3
GU(1) =     9741.44     YU(1) =    1105.08  GU(N) =     544.51  YU(N) =     844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.625    9741.4   1105.08   1100.00   1076.56      1.00    270.0    9741.4    9741.4       0.0       0.0

TT =    3.6500          DTH =  0.0250          ITERR =   3
GU(1) =     9251.62     YU(1) =    1104.91  GU(N) =     545.27  YU(N) =     844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    3.650    9251.6   1104.91   1100.00   1076.52      1.00    270.0    9251.6    9251.6       0.0       0.0

TT =    3.6750          DTH =  0.0250          ITERR =   2
GU(1) =     8786.11     YU(1) =    1104.75  GU(N) =     546.58  YU(N) =     844.78
FRDM=     0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    3.675    8786.1   1104.75   1100.00   1076.47      1.00    270.0    8786.1    8786.1       0.0       0.0
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```
TT =   3.7000          DTH =  0.0250          ITERR =   3
QU(1) =    8343.86     YU(1) =    1104.59  QU(N) =     548.07  YU(N) =     844.78
FRDM=    0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.700     8343.9   1104.59   1100.00   1076.42      1.00     270.0    8343.9    8343.9       0.0       0.0

TT =   3.7250          DTH =  0.0250          ITERR =   1
QU(1) =    7923.80     YU(1) =    1104.44  QU(N) =     550.23  YU(N) =     844.78
FRDM=    0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.725     7923.8   1104.44   1100.00   1076.38      1.00     270.0    7923.8    7923.8       0.0       0.0

TT =   3.7500          DTH =  0.0250          ITERR =   3
QU(1) =    7524.28     YU(1) =    1104.29  QU(N) =     552.87  YU(N) =     844.78
FRDM=    0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.750     7524.3   1104.29   1100.00   1076.33      1.00     270.0    7524.3    7524.3       0.0       0.0

TT =   3.7750          DTH =  0.0250          ITERR =   1
QU(1) =    7146.44     YU(1) =    1104.14  QU(N) =     557.42  YU(N) =     844.78
FRDM=    0.71  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.775     7146.4   1104.14   1100.00   1076.29      1.00     270.0    7146.4    7146.4       0.0       0.0
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```
TT =    3.8000          DTH =   0.0250          ITERR =   2
QU(1) =     6790.93     YU(1) =     1104.01  QU(N) =     564.90  YU(N) =     844.78
FRDM=     0.71  IIFR=     3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.800    6790.9   1104.01   1100.00   1076.25      1.00     270.0    6790.9    6790.9       0.0       0.0

TT =    3.8250          DTH =   0.0250          ITERR =   1
QU(1) =     6458.30     YU(1) =     1103.87  QU(N) =     578.97  YU(N) =     844.78
FRDM=     0.70  IIFR=     3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.825    6458.3   1103.87   1100.00   1076.21      1.00     270.0    6458.3    6458.3       0.0       0.0

TT =    3.8500          DTH =   0.0250          ITERR =   3
QU(1) =     6148.69     YU(1) =     1103.75  QU(N) =     601.69  YU(N) =     844.79
FRDM=     0.70  IIFR=     3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3     3.850    6148.7   1103.75   1100.00   1076.17      1.00     270.0    6148.7    6148.7       0.0       0.0

TT =    3.8750          DTH =   0.0250          ITERR =   2
QU(1) =     5860.15     YU(1) =     1103.63  QU(N) =     652.23  YU(N) =     844.80
FRDM=     0.70  IIFR=     3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.875    5860.2   1103.63   1100.00   1076.13      1.00     270.0    5860.2    5860.2       0.0       0.0
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```
TT =    3.9000          DTH =  0.0250          ITERR =    2
QU(1) =     5590.75     YU(1) =     1103.52  QU(N) =     867.55  YU(N) =     844.83
FRDM=     0.70  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.900    5590.7   1103.52   1100.00   1076.10      1.00     270.0    5590.7    5590.7       0.0       0.0

TT =    3.9250          DTH =  0.0250          ITERR =    2
QU(1) =     5338.71     YU(1) =     1103.42  QU(N) =    3991.47  YU(N) =     845.09
FRDM=     0.70  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.925    5338.7   1103.42   1100.00   1076.06      1.00     270.0    5338.7    5338.7       0.0       0.0

TT =    3.9500          DTH =  0.0250          ITERR =    2
QU(1) =     5102.36     YU(1) =     1103.31  QU(N) =   22654.19  YU(N) =     845.69
FRDM=     0.70  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     3.950    5102.4   1103.31   1100.00   1076.03      1.00     270.0    5102.4    5102.4       0.0       0.0

TT =    3.9750          DTH =  0.0250          ITERR =    1
QU(1) =     4880.40     YU(1) =     1103.22  QU(N) =   42484.09  YU(N) =     846.09
FRDM=     0.70  IIFR=    3  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.975    4880.4   1103.22   1100.00   1076.00      1.00     270.0    4880.4    4880.4       0.0       0.0
```

```
TT =    4.0000          DTH =  0.0250          ITERR =    1
QU(1) =     4671.32     YU(1) =     1103.13  QU(N) =    46184.45  YU(N) =      846.20
FRDM=     0.70  IIFR=     3  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.000     4671.3   1103.13   1100.00   1075.97      1.00     270.0     4671.3    4671.3       0.0       0.0

TT =    4.0250          DTH =  0.0250          ITERR =    1
QU(1) =     4476.10     YU(1) =     1103.04  QU(N) =    46589.97  YU(N) =      846.24
FRDM=     0.70  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.025     4476.1   1103.04   1100.00   1075.94      1.00     270.0     4476.1    4476.1       0.0       0.0

TT =    4.0500          DTH =  0.0250          ITERR =    0
QU(1) =     4296.14     YU(1) =     1102.96  QU(N) =    46875.26  YU(N) =      846.25
FRDM=     0.70  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.050     4296.1   1102.96   1100.00   1075.91      1.00     270.0     4296.1    4296.1       0.0       0.0

TT =    4.0750          DTH =  0.0250          ITERR =    0
QU(1) =     4129.73     YU(1) =     1102.88  QU(N) =    46136.99  YU(N) =      846.24
FRDM=     0.69  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.075     4129.7   1102.88   1100.00   1075.89      1.00     270.0     4129.7    4129.7       0.0       0.0
```

```
TT =    4.1003          DTH =   0.0253          ITERR =    0
QU(1) =     3973.47     YU(1) =     1102.81  QU(N) =    45380.49  YU(N) =     846.23
FRDM=     0.69  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.100    3973.5   1102.81   1100.00   1075.86      1.00     270.0    3973.5    3973.5       0.0       0.0

TT =    4.1258          DTH =   0.0255          ITERR =    0
QU(1) =     3826.54     YU(1) =     1102.74  QU(N) =    44397.75  YU(N) =     846.21
FRDM=     0.69  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.126    3826.5   1102.74   1100.00   1075.84      1.00     270.0    3826.5    3826.5       0.0       0.0

TT =    4.1515          DTH =   0.0258          ITERR =    0
QU(1) =     3688.16     YU(1) =     1102.67  QU(N) =    43397.73  YU(N) =     846.20
FRDM=     0.69  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.152    3688.2   1102.67   1100.00   1075.82      1.00     270.0    3688.2    3688.2       0.0       0.0

TT =    4.1775          DTH =   0.0260          ITERR =    0
QU(1) =     3557.12     YU(1) =     1102.61  QU(N) =    42369.79  YU(N) =     846.17
FRDM=     0.69  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.178    3557.1   1102.61   1100.00   1075.80      1.00     270.0    3557.1    3557.1       0.0       0.0
```

```
TT =    4.2038          DTH =   0.0263          ITERR =    0
QU(1) =     3432.75     YU(1) =     1102.55  QU(N) =    41355.01  YU(N) =     846.15
FRDM=     0.69  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.204     3432.8   1102.55   1100.00   1075.77      1.00     270.0     3432.8    3432.8       0.0       0.0


TT =    4.2303          DTH =   0.0265          ITERR =    0
QU(1) =     3314.18     YU(1) =     1102.49  QU(N) =    40361.18  YU(N) =     846.13
FRDM=     0.69  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.230     3314.2   1102.49   1100.00   1075.75      1.00     270.0     3314.2    3314.2       0.0       0.0


TT =    4.2571          DTH =   0.0268          ITERR =    0
QU(1) =     3201.40     YU(1) =     1102.43  QU(N) =    39386.51  YU(N) =     846.11
FRDM=     0.69  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.257     3201.4   1102.43   1100.00   1075.73      1.00     270.0     3201.4    3201.4       0.0       0.0


TT =    4.2842          DTH =   0.0271          ITERR =    0
QU(1) =     3095.98     YU(1) =     1102.38  QU(N) =    38425.95  YU(N) =     846.09
FRDM=     0.69  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.284     3096.0   1102.38   1100.00   1075.72      1.00     270.0     3096.0    3096.0       0.0       0.0
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```
TT =    4.3116          DTH =  0.0273          ITERR =    0
QU(1) =     2998.71     YU(1) =     1102.33  QU(N) =    37476.97  YU(N) =     846.07
FRDM=     0.69  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.312     2998.7   1102.33   1100.00   1075.70      1.00     270.0     2998.7    2998.7       0.0       0.0

TT =    4.3392          DTH =  0.0276          ITERR =    0
QU(1) =     2908.48     YU(1) =     1102.28  QU(N) =    36542.11  YU(N) =     846.05
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.339     2908.5   1102.28   1100.00   1075.68      1.00     270.0     2908.5    2908.5       0.0       0.0

TT =    4.3671          DTH =  0.0279          ITERR =    0
QU(1) =     2824.47     YU(1) =     1102.24  QU(N) =    35626.32  YU(N) =     846.03
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.367     2824.5   1102.24   1100.00   1075.67      1.00     270.0     2824.5    2824.5       0.0       0.0

TT =    4.3952          DTH =  0.0282          ITERR =    0
QU(1) =     2745.87     YU(1) =     1102.20  QU(N) =    34728.72  YU(N) =     846.01
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.395     2745.9   1102.20   1100.00   1075.65      1.00     270.0     2745.9    2745.9       0.0       0.0
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```
TT =    4.4237          DTH =  0.0285          ITERR =    0
QU(1) =     2671.71     YU(1) =     1102.16  QU(N) =    33853.62  YU(N) =      845.99
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.424    2671.7   1102.16   1100.00   1075.64      1.00     270.0    2671.7    2671.7       0.0       0.0

TT =    4.4524          DTH =  0.0287          ITERR =    0
QU(1) =     2601.49     YU(1) =     1102.12  QU(N) =    32998.33  YU(N) =      845.97
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.452    2601.5   1102.12   1100.00   1075.62      1.00     270.0    2601.5    2601.5       0.0       0.0

TT =    4.4815          DTH =  0.0290          ITERR =    0
QU(1) =     2534.52     YU(1) =     1102.08  QU(N) =    32166.23  YU(N) =      845.96
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.481    2534.5   1102.08   1100.00   1075.61      1.00     270.0    2534.5    2534.5       0.0       0.0

TT =    4.5108          DTH =  0.0293          ITERR =    0
QU(1) =     2470.53     YU(1) =     1102.05  QU(N) =    31355.80  YU(N) =      845.94
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.511    2470.5   1102.05   1100.00   1075.60      1.00     270.0    2470.5    2470.5       0.0       0.0
```

```
TT =    4.5404          DTH =  0.0296          ITERR =    0
QU(1) =     2409.43     YU(1) =     1102.02  QU(N) =    30574.23  YU(N) =      845.92
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.540     2409.4   1102.02   1100.00   1075.59      1.00     270.0    2409.4    2409.4       0.0       0.0

TT =    4.5703          DTH =  0.0299          ITERR =    0
QU(1) =     2351.18     YU(1) =     1101.98  QU(N) =    29823.58  YU(N) =      845.90
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.570     2351.2   1101.98   1100.00   1075.57      1.00     270.0    2351.2    2351.2       0.0       0.0

TT =    4.6005          DTH =  0.0302          ITERR =    0
QU(1) =     2295.34     YU(1) =     1101.95  QU(N) =    29096.87  YU(N) =      845.88
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.600     2295.3   1101.95   1100.00   1075.56      1.00     270.0    2295.3    2295.3       0.0       0.0

TT =    4.6310          DTH =  0.0305          ITERR =    0
QU(1) =     2241.48     YU(1) =     1101.92  QU(N) =    28372.49  YU(N) =      845.87
FRDM=     0.68  IIFR=    3  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.631     2241.5   1101.92   1100.00   1075.55      1.00     270.0    2241.5    2241.5       0.0       0.0
```

```
TT =    4.6618          DTH =   0.0308          ITERR =    0
QU(1) =     2189.19     YU(1) =     1101.89  QU(N) =    27641.01  YU(N) =      845.85
FRDM=     0.67  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.662     2189.2   1101.89   1100.00   1075.54      1.00     270.0     2189.2    2189.2       0.0       0.0

TT =    4.6929          DTH =   0.0311          ITERR =    0
QU(1) =     2138.08     YU(1) =     1101.86  QU(N) =    26914.47  YU(N) =      845.83
FRDM=     0.67  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.693     2138.1   1101.86   1100.00   1075.53      1.00     270.0     2138.1    2138.1       0.0       0.0

TT =    4.7243          DTH =   0.0314          ITERR =    0
QU(1) =     2087.95     YU(1) =     1101.83  QU(N) =    26204.95  YU(N) =      845.81
FRDM=     0.67  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.724     2087.9   1101.83   1100.00   1075.52      1.00     270.0     2087.9    2087.9       0.0       0.0

TT =    4.7561          DTH =   0.0317          ITERR =    0
QU(1) =     2037.84     YU(1) =     1101.80  QU(N) =    25523.02  YU(N) =      845.80
FRDM=     0.67  IIFR=     3  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.756     2037.8   1101.80   1100.00   1075.51      1.00     270.0     2037.8    2037.8       0.0       0.0
```

```
TT =    4.7881          DTH =  0.0321          ITERR =    0
GU(1) =     1983.42     YU(1) =     1101.77  GU(N) =    24874.32  YU(N) =      845.78
FRDM=     0.67  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.788     1983.4   1101.77   1100.00   1075.50      1.00     270.0    1983.4    1983.4       0.0       0.0

TT =    4.8205          DTH =  0.0324          ITERR =    0
GU(1) =     1922.15     YU(1) =     1101.73  GU(N) =    24238.17  YU(N) =      845.76
FRDM=     0.68  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.821     1922.1   1101.73   1100.00   1075.48      1.00     270.0    1922.1    1922.1       0.0       0.0

TT =    4.8532          DTH =  0.0327          ITERR =    0
GU(1) =     1855.04     YU(1) =     1101.69  GU(N) =    23597.70  YU(N) =      845.75
FRDM=     0.69  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.853     1855.0   1101.69   1100.00   1075.47      1.00     270.0    1855.0    1855.0       0.0       0.0

TT =    4.8863          DTH =  0.0330          ITERR =    0
GU(1) =     1782.98     YU(1) =     1101.65  GU(N) =    22961.56  YU(N) =      845.73
FRDM=     0.71  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.886     1783.0   1101.65   1100.00   1075.45      1.00     270.0    1783.0    1783.0       0.0       0.0
```

```
TT =    4.9196          DTH =  0.0334          ITERR =    0
GU(1) =     1706.46     YU(1) =     1101.60  GU(N) =    22342.30  YU(N) =      845.72
FRDM=     0.72  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.920    1706.5   1101.60   1100.00   1075.43      1.00     270.0    1706.5    1706.5       0.0       0.0

TT =    4.9533          DTH =  0.0337          ITERR =    0
GU(1) =     1626.20     YU(1) =     1101.55  GU(N) =    21742.52  YU(N) =      845.70
FRDM=     0.73  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.953    1626.2   1101.55   1100.00   1075.42      1.00     270.0    1626.2    1626.2       0.0       0.0

TT =    4.9874          DTH =  0.0340          ITERR =    0
GU(1) =     1542.55     YU(1) =     1101.50  GU(N) =    21162.85  YU(N) =      845.68
FRDM=     0.74  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.987    1542.6   1101.50   1100.00   1075.40      1.00     270.0    1542.6    1542.6       0.0       0.0

TT =    5.0217          DTH =  0.0344          ITERR =    0
GU(1) =     1456.07     YU(1) =     1101.44  GU(N) =    20585.90  YU(N) =      845.67
FRDM=     0.76  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.022    1456.1   1101.44   1100.00   1075.38      1.00     270.0    1456.1    1456.1       0.0       0.0
```

```
TT =    5.0565          DTH =  0.0347          ITERR =    0
QU(1) =     1366.92     YU(1) =     1101.38  QU(N) =    19996.57  YU(N) =     845.65
FRDM=    0.77  IIFR=  104  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.056    1366.9   1101.38   1100.00   1075.35      1.00     270.0    1366.9    1366.9       0.0       0.0

TT =    5.0915          DTH =  0.0351          ITERR =    0
QU(1) =     1275.54     YU(1) =     1101.32  QU(N) =    19403.63  YU(N) =     845.64
FRDM=    0.78  IIFR=  104  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.092    1275.5   1101.32   1100.00   1075.33      1.00     270.0    1275.5    1275.5       0.0       0.0

TT =    5.1269          DTH =  0.0354          ITERR =    0
QU(1) =     1181.80     YU(1) =     1101.26  QU(N) =    18823.29  YU(N) =     845.62
FRDM=    0.80  IIFR=  104  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.127    1181.8   1101.26   1100.00   1075.30      1.00     270.0    1181.8    1181.8       0.0       0.0

TT =    5.1627          DTH =  0.0358          ITERR =    0
QU(1) =     1086.06     YU(1) =     1101.19  QU(N) =    18256.89  YU(N) =     845.60
FRDM=    0.81  IIFR=  104  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.163    1086.1   1101.19   1100.00   1075.28      1.00     270.0    1086.1    1086.1       0.0       0.0
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TT =    5.1988          DTH =  0.0361          ITERR =    0
QU(1) =     988.45     YU(1) =     1101.12  QU(N) =    17723.70  YU(N) =     845.59
FRDM=     0.83  IIFR=  104  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.199      988.5   1101.12   1100.00   1075.25      1.00     270.0      988.5     988.5       0.0       0.0

TT =    5.2353          DTH =  0.0365          ITERR =    0
QU(1) =     888.90     YU(1) =     1101.04  QU(N) =    17219.85  YU(N) =     845.57
FRDM=     0.84  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.235      888.9   1101.04   1100.00   1075.22      1.00     270.0      888.9     888.9       0.0       0.0

TT =    5.2722          DTH =  0.0369          ITERR =    0
QU(1) =     792.98     YU(1) =     1100.96  QU(N) =    16718.18  YU(N) =     845.56
FRDM=     0.86  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.272      793.0   1100.96   1100.00   1075.19      1.00     270.0      793.0     793.0       0.0       0.0

TT =    5.3094          DTH =  0.0372          ITERR =    0
QU(1) =     709.03     YU(1) =     1100.89  QU(N) =    16201.34  YU(N) =     845.54
FRDM=     0.88  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.309      709.0   1100.89   1100.00   1075.16      1.00     270.0      709.0     709.0       0.0       0.0
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TT =    5.3470          DTH =  0.0376          ITERR =    0
QU(1) =      638.18     YU(1) =     1100.83  QU(N) =    15686.14  YU(N) =      845.53
FRDM=     0.89  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.347      638.2   1100.83   1100.00   1075.13      1.00    270.0      638.2     638.2       0.0       0.0

TT =    5.3850          DTH =  0.0380          ITERR =    0
QU(1) =      577.29     YU(1) =     1100.78  QU(N) =    15177.64  YU(N) =      845.51
FRDM=     0.91  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.385      577.3   1100.78   1100.00   1075.11      1.00    270.0      577.3     577.3       0.0       0.0

TT =    5.4233          DTH =  0.0383          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.73  QU(N) =    14680.99  YU(N) =      845.50
FRDM=     0.94  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.423      523.8   1100.73   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.4620          DTH =  0.0387          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.69  QU(N) =    14203.65  YU(N) =      845.48
FRDM=     0.96  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.462      523.8   1100.69   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    5.5012          DTH =  0.0391          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.63  QU(N) =    13736.57  YU(N) =      845.47
FRDM=     0.98  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.501      523.8   1100.63   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.5407          DTH =  0.0395          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.58  QU(N) =    13271.54  YU(N) =      845.45
FRDM=     1.01  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.541      523.8   1100.58   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.5806          DTH =  0.0399          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.51  QU(N) =    12816.75  YU(N) =      845.44
FRDM=     1.03  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.581      523.8   1100.51   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.6209          DTH =  0.0403          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.43  QU(N) =    12376.04  YU(N) =      845.42
FRDM=     1.06  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.621      523.8   1100.43   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    5.6616          DTH =  0.0407          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.34  QU(N) =    11944.97  YU(N) =      845.41
FRDM=     1.08  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.662      523.8   1100.34   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    5.7027          DTH =  0.0411          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.23  QU(N) =    11532.58  YU(N) =      845.39
FRDM=     1.11  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.703      523.8   1100.23   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    5.7442          DTH =  0.0415          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =    11136.37  YU(N) =      845.38
FRDM=     1.13  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.744      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    5.7495          DTH =  0.0052          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =    11088.62  YU(N) =      845.38
FRDM=     1.14  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.749      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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TT =    5.7541          DTH =  0.0046          ITERR =    1
GU(1) =      523.79     YU(1) =     1100.07  GU(N) =    11045.54  YU(N) =      845.38
FRDM=     1.14  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.754      523.8   1100.07   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.7581          DTH =  0.0040          ITERR =    1
GU(1) =      523.79     YU(1) =     1100.04  GU(N) =    11007.99  YU(N) =      845.38
FRDM=     1.14  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.758      523.8   1100.04   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.7616          DTH =  0.0035          ITERR =    1
GU(1) =      523.79     YU(1) =     1100.00  GU(N) =    10975.00  YU(N) =      845.38
FRDM=     1.15  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.762      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.7739          DTH =  0.0123          ITERR =    9
GU(1) =      523.79     YU(1) =     1099.80  GU(N) =    10859.04  YU(N) =      845.37
FRDM=     1.15  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    9     5.774      523.8   1099.80   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    5.7800          DTH =  0.0061          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.06  QU(N) =    10799.75  YU(N) =      845.37
FRDM=     1.16  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.780      523.8   1100.06   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.7862          DTH =  0.0061          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =    10745.50  YU(N) =      845.37
FRDM=     1.16  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.786      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.7893          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =    10715.23  YU(N) =      845.37
FRDM=     1.16  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.789      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8004          DTH =  0.0110          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =    10615.53  YU(N) =      845.36
FRDM=     1.17  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.800      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    5.8059          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =   10561.64  YU(N) =      845.36
FRDM=     1.17  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.806      523.8   1099.95   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.8114          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =   10515.07  YU(N) =      845.36
FRDM=     1.18  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.811      523.8   1100.03   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.8146          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =   10484.54  YU(N) =      845.36
FRDM=     1.18  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.815      523.8   1100.00   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.8256          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =   10386.29  YU(N) =      845.35
FRDM=     1.19  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.826      523.8   1100.03   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    5.8311          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =    10338.10  YU(N) =      845.35
FRDM=     1.19  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.831      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8367          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =    10293.02  YU(N) =      845.35
FRDM=     1.19  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.837      523.8   1100.03   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8398          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =    10262.59  YU(N) =      845.35
FRDM=     1.20  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.840      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8509          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =    10167.25  YU(N) =      845.35
FRDM=     1.20  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.851      523.8   1100.03   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    5.8564          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =    10120.60  YU(N) =      845.35
FRDM=     1.21  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.856      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8619          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =    10075.55  YU(N) =      845.34
FRDM=     1.21  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.862      523.8   1100.03   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8651          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =    10046.37  YU(N) =      845.34
FRDM=     1.21  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.865      523.8   1099.99   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8761          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =     9952.25  YU(N) =      845.34
FRDM=     1.22  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.876      523.8   1100.03   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    5.8816          DTH =  0.0055          ITERR =    0
GU(1) =      523.79     YU(1) =    1099.97  GU(N) =    9905.52  YU(N) =      845.34
FRDM=     1.22  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.882      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8872          DTH =  0.0055          ITERR =    1
GU(1) =      523.79     YU(1) =    1100.02  GU(N) =    9861.87  YU(N) =      845.34
FRDM=     1.23  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.887      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.8903          DTH =  0.0032          ITERR =    0
GU(1) =      523.79     YU(1) =    1099.99  GU(N) =    9832.36  YU(N) =      845.33
FRDM=     1.23  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.890      523.8   1099.99   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9014          DTH =  0.0110          ITERR =    0
GU(1) =      523.79     YU(1) =    1100.02  GU(N) =    9740.73  YU(N) =      845.33
FRDM=     1.23  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.901      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    5.9069          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     9695.02  YU(N) =      845.33
FRDM=     1.24  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.907      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9124          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9652.90  YU(N) =      845.33
FRDM=     1.24  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.912      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9156          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =     9624.07  YU(N) =      845.33
FRDM=     1.24  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.916      523.8   1099.99   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9266          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9535.01  YU(N) =      845.32
FRDM=     1.25  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.927      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    5.9321          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     9489.58  YU(N) =      845.32
FRDM=     1.25  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.932      523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.9377          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9447.67  YU(N) =      845.32
FRDM=     1.26  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.938      523.8   1100.02   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.9408          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     9419.84  YU(N) =      845.32
FRDM=     1.26  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.941      523.8   1099.98   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    5.9519          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9334.27  YU(N) =      845.32
FRDM=     1.27  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.952      523.8   1100.02   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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TT =    5.9574          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     9291.37  YU(N) =      845.32
FRDM=     1.27  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.957      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9629          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9250.33  YU(N) =      845.31
FRDM=     1.27  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.963      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9661          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     9222.76  YU(N) =      845.31
FRDM=     1.27  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.966      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9771          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9140.88  YU(N) =      845.31
FRDM=     1.28  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.977      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    5.9826          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     9101.78  YU(N) =      845.31
FRDM=     1.28  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.983      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9882          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     9063.97  YU(N) =      845.31
FRDM=     1.29  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.988      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    5.9913          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =     9039.31  YU(N) =      845.31
FRDM=     1.29  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.991      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0024          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8962.46  YU(N) =      845.30
FRDM=     1.30  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.002      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    6.0079          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =    1099.94  QU(N) =     8922.44  YU(N) =      845.30
FRDM=     1.30  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.008      523.8   1099.94   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0134          DTH =  0.0055          ITERR =    1
QU(1) =      523.79     YU(1) =    1100.01  QU(N) =     8883.08  YU(N) =      845.30
FRDM=     1.30  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.013      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0166          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =    1099.97  QU(N) =     8857.23  YU(N) =      845.30
FRDM=     1.30  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.017      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0276          DTH =  0.0110          ITERR =    0
QU(1) =      523.79     YU(1) =    1100.01  QU(N) =     8778.11  YU(N) =      845.30
FRDM=     1.31  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.028      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    6.0331          DTH =  0.0055          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.94  GU(N) =     8737.94  YU(N) =      845.29
FRDM=     1.31  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.033      523.8   1099.94   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0387          DTH =  0.0055          ITERR =    1
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     8699.07  YU(N) =      845.29
FRDM=     1.32  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.039      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0418          DTH =  0.0032          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.97  GU(N) =     8673.89  YU(N) =      845.29
FRDM=     1.32  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.042      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0529          DTH =  0.0110          ITERR =    0
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     8594.62  YU(N) =      845.29
FRDM=     1.33  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.053      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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TT =    6.0584          DTH =  0.0055          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.93  QU(N) =     8555.65  YU(N) =      845.29
FRDM=     1.33  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.058      523.8   1099.93   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0639          DTH =  0.0055          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     8518.95  YU(N) =      845.29
FRDM=     1.33  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.064      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0671          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8495.00  YU(N) =      845.28
FRDM=     1.34  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.067      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0698          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     8477.34  YU(N) =      845.28
FRDM=     1.34  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.070      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.0795          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8409.50  YU(N) =      845.28
FRDM=     1.34  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.080      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0843          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     8375.24  YU(N) =      845.28
FRDM=     1.35  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.084      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0892          DTH =   0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.06  QU(N) =     8343.05  YU(N) =      845.28
FRDM=     1.35  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.089      523.8   1100.06   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.0923          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8319.17  YU(N) =      845.28
FRDM=     1.35  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.092      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.0951          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =     8301.95  YU(N) =      845.28
FRDM=     1.35  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.095      523.8   1099.99   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1048          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8235.04  YU(N) =      845.27
FRDM=     1.36  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.105      523.8   1100.02   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1096          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     8201.42  YU(N) =      845.27
FRDM=     1.36  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.110      523.8   1099.95   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1144          DTH =   0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.06  QU(N) =     8171.16  YU(N) =      845.27
FRDM=     1.36  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.114      523.8   1100.06   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    6.1176          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8148.02  YU(N) =      845.27
FRDM=     1.37  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.118      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1203          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     8130.15  YU(N) =      845.27
FRDM=     1.37  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.120      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1300          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     8066.41  YU(N) =      845.27
FRDM=     1.37  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.130      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1348          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     8036.27  YU(N) =      845.27
FRDM=     1.38  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.135      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.1397          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.06  QU(N) =     8006.30  YU(N) =      845.27
FRDM=     1.38  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.140      523.8   1100.06   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1428          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     7983.10  YU(N) =      845.26
FRDM=     1.38  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.143      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1456          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     7965.03  YU(N) =      845.26
FRDM=     1.38  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.146      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1553          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     7905.65  YU(N) =      845.26
FRDM=     1.39  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.155      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.1601          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.94  QU(N) =     7875.64  YU(N) =      845.26
FRDM=     1.39  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.160      523.8   1099.94   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1649          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     7846.66  YU(N) =      845.26
FRDM=     1.39  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.165      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1681          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     7825.16  YU(N) =      845.26
FRDM=     1.39  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.168      523.8   1100.02   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.1708          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     7807.58  YU(N) =      845.26
FRDM=     1.39  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.171      523.8   1099.98   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    6.1805          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     7746.54  YU(N) =      845.26
FRDM=     1.40  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.181      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1853          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.94  QU(N) =     7716.48  YU(N) =      845.25
FRDM=     1.40  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.185      523.8   1099.94   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1902          DTH =   0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     7688.22  YU(N) =      845.25
FRDM=     1.40  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.190      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.1933          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.02  QU(N) =     7666.52  YU(N) =      845.25
FRDM=     1.40  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.193      523.8   1100.02   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.1961          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =     7650.65  YU(N) =      845.25
FRDM=     1.41  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.196      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2058          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     7592.47  YU(N) =      845.25
FRDM=     1.41  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.206      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2106          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.93  QU(N) =     7563.38  YU(N) =      845.25
FRDM=     1.41  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.211      523.8   1099.93   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2154          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     7534.45  YU(N) =      845.25
FRDM=     1.42  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.215      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.2186          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =    1100.01  QU(N) =     7513.33  YU(N) =      845.25
FRDM=     1.42  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.219      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2213          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =    1099.97  QU(N) =     7496.53  YU(N) =      845.25
FRDM=     1.42  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.221      523.8   1099.97   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2310          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =    1100.01  QU(N) =     7439.66  YU(N) =      845.24
FRDM=     1.43  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.231      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2358          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =    1099.93  QU(N) =     7411.98  YU(N) =      845.24
FRDM=     1.43  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.236      523.8   1099.93   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =   6.2407          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     7383.16  YU(N) =      845.24
FRDM=     1.43  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    2     6.241     523.8   1100.05   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =   6.2438          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     7362.82  YU(N) =      845.24
FRDM=     1.43  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.244     523.8   1100.01   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =   6.2466          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.96  QU(N) =     7347.10  YU(N) =      845.24
FRDM=     1.43  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.247     523.8   1099.96   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =   6.2563          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     7291.33  YU(N) =      845.24
FRDM=     1.44  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.256     523.8   1100.01   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0
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```
TT =    6.2611          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     7262.45  YU(N) =      845.24
FRDM=     1.44  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.261      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2659          DTH =   0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     7235.60  YU(N) =      845.23
FRDM=     1.45  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.266      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2691          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     7215.04  YU(N) =      845.23
FRDM=     1.45  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.269      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2718          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     7198.84  YU(N) =      845.23
FRDM=     1.45  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.272      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.2815          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     7141.02  YU(N) =      845.23
FRDM=     1.45  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.282      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2863          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     7113.50  YU(N) =      845.23
FRDM=     1.46  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.286      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2912          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     7087.73  YU(N) =      845.23
FRDM=     1.46  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.291      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.2943          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     7067.53  YU(N) =      845.23
FRDM=     1.46  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.294      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.2971          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     7052.67  YU(N) =      845.23
FRDM=     1.46  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.297      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3068          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6999.04  YU(N) =      845.23
FRDM=     1.47  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.307      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3116          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     6974.77  YU(N) =      845.22
FRDM=     1.47  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.312      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3164          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6950.79  YU(N) =      845.22
FRDM=     1.47  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    2     6.316      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.3196          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6932.65  YU(N) =      845.22
FRDM=     1.47  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.320      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3223          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6919.67  YU(N) =      845.22
FRDM=     1.48  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.322      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3320          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6868.78  YU(N) =      845.22
FRDM=     1.48  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.332      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3368          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     6844.39  YU(N) =      845.22
FRDM=     1.48  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.337      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.3417          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6818.46  YU(N) =      845.22
FRDM=     1.49  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.342      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.3448          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6800.05  YU(N) =      845.22
FRDM=     1.49  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.345      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.3476          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6784.97  YU(N) =      845.22
FRDM=     1.49  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.348      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.3573          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6733.01  YU(N) =      845.21
FRDM=     1.49  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.357      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =   6.3621          DTH =  0.0048          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.92  QU(N) =     6706.88  YU(N) =     845.21
FRDM=     1.50  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.362      523.8   1099.92   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   6.3669          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     6683.02  YU(N) =     845.21
FRDM=     1.50  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    6.367      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   6.3701          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     6664.95  YU(N) =     845.21
FRDM=     1.50  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.370      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   6.3728          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.96  QU(N) =     6650.60  YU(N) =     845.21
FRDM=     1.50  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.373      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    6.3825          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6600.87  YU(N) =      845.21
FRDM=     1.51  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.383      523.8   1100.01    1100.00   1075.09       1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3873          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     6575.89  YU(N) =      845.21
FRDM=     1.51  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.387      523.8   1099.92    1100.00   1075.09       1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3922          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6551.86  YU(N) =      845.21
FRDM=     1.51  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.392      523.8   1100.05    1100.00   1075.09       1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.3953          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6532.87  YU(N) =      845.21
FRDM=     1.51  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.395      523.8   1100.01    1100.00   1075.09       1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.3981          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6519.12  YU(N) =      845.20
FRDM=     1.52  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.398      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.4078          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6469.64  YU(N) =      845.20
FRDM=     1.52  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.408      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.4126          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     6445.69  YU(N) =      845.20
FRDM=     1.52  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.413      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.4174          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6421.29  YU(N) =      845.20
FRDM=     1.52  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.417      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.4206          DTH =  0.0032          ITERR =    0
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     6404.66  YU(N) =      845.20
FRDM=     1.53  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.421      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.4233          DTH =  0.0028          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.96  GU(N) =     6390.52  YU(N) =      845.20
FRDM=     1.53  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.423      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.4330          DTH =  0.0097          ITERR =    0
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     6342.21  YU(N) =      845.20
FRDM=     1.53  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.433      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.4378          DTH =  0.0048          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.92  GU(N) =     6317.73  YU(N) =      845.20
FRDM=     1.54  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.438      523.8   1099.92   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =    6.4427          DTH =   0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6294.81  YU(N) =      845.19
FRDM=     1.54  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    2     6.443      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4458          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6277.96  YU(N) =      845.19
FRDM=     1.54  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.446      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4486          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6263.84  YU(N) =      845.19
FRDM=     1.54  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.449      523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4583          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6215.68  YU(N) =      845.19
FRDM=     1.55  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.458      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    6.4631          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     6192.47  YU(N) =      845.19
FRDM=     1.55  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.463      523.8   1099.92   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4679          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     6169.27  YU(N) =      845.19
FRDM=     1.56  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.468      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4711          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     6153.27  YU(N) =      845.19
FRDM=     1.56  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.471      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.4738          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6140.25  YU(N) =      845.19
FRDM=     1.56  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.474      523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =   6.4835          DTH =  0.0097          ITERR =   0
GU(1) =     523.79     YU(1) =     1100.01  GU(N) =     6094.57  YU(N) =     845.19
FRDM=    1.57  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.484     523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =   6.4883          DTH =  0.0048          ITERR =   0
GU(1) =     523.79     YU(1) =     1099.92  GU(N) =     6071.89  YU(N) =     845.19
FRDM=    1.57  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.488     523.8   1099.92   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =   6.4932          DTH =  0.0048          ITERR =   2
GU(1) =     523.79     YU(1) =     1100.05  GU(N) =     6049.82  YU(N) =     845.18
FRDM=    1.57  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.493     523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =   6.4963          DTH =  0.0032          ITERR =   0
GU(1) =     523.79     YU(1) =     1100.01  GU(N) =     6033.95  YU(N) =     845.18
FRDM=    1.57  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.496     523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =    6.4991          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     6021.30  YU(N) =      845.18
FRDM=     1.58  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.499      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.5088          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5976.14  YU(N) =      845.18
FRDM=     1.58  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.509      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.5136          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     5954.10  YU(N) =      845.18
FRDM=     1.58  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.514      523.8   1099.92   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.5184          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5933.11  YU(N) =      845.18
FRDM=     1.59  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.518      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =    6.5216          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5917.03  YU(N) =      845.18
FRDM=     1.59  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.522      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5243          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     5904.54  YU(N) =      845.18
FRDM=     1.59  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.524      523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5340          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5860.12  YU(N) =      845.18
FRDM=     1.60  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.534      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5388          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     5837.86  YU(N) =      845.17
FRDM=     1.60  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.539      523.8   1099.92   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =    6.5437          DTH =  0.0048          ITERR =   2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5817.15  YU(N) =      845.17
FRDM=     1.60  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.544      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5468          DTH =  0.0032          ITERR =   0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5801.32  YU(N) =      845.17
FRDM=     1.60  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.547      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5496          DTH =  0.0028          ITERR =   0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     5789.24  YU(N) =      845.17
FRDM=     1.60  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.550      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5593          DTH =  0.0097          ITERR =   0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5745.68  YU(N) =      845.17
FRDM=     1.61  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.559      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =    6.5641          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.92  QU(N) =     5725.03  YU(N) =      845.17
FRDM=     1.61  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      6.564     523.8   1099.92   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5689          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5704.84  YU(N) =      845.17
FRDM=     1.62  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2      6.569     523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5721          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5689.70  YU(N) =      845.17
FRDM=     1.62  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      6.572     523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.5748          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     5678.39  YU(N) =      845.17
FRDM=     1.62  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      6.575     523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
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```
TT =    6.5845          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5636.84  YU(N) =      845.17
FRDM=     1.62  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.589      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5893          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     5616.15  YU(N) =      845.16
FRDM=     1.63  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.589      523.8   1099.91   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5942          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5595.14  YU(N) =      845.16
FRDM=     1.63  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.594      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.5973          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5580.10  YU(N) =      845.16
FRDM=     1.63  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.597      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =    6.6001          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     5569.42  YU(N) =      845.16
FRDM=     1.63  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.600      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6098          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5527.99  YU(N) =      845.16
FRDM=     1.64  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.610      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6146          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     5508.40  YU(N) =      845.16
FRDM=     1.64  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.615      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6194          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5488.03  YU(N) =      845.16
FRDM=     1.64  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.619      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.6226          DTH =   0.0032          ITERR =    0
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     5473.28  YU(N) =     845.16
FRDM=     1.65  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.623      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6253          DTH =   0.0028          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.96  GU(N) =     5462.20  YU(N) =     845.16
FRDM=     1.65  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.625      523.8   1099.96   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6350          DTH =   0.0097          ITERR =    0
GU(1) =      523.79     YU(1) =     1100.01  GU(N) =     5422.64  YU(N) =     845.16
FRDM=     1.65  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.635      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6398          DTH =   0.0048          ITERR =    0
GU(1) =      523.79     YU(1) =     1099.91  GU(N) =     5401.50  YU(N) =     845.16
FRDM=     1.65  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.640      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.6447          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5381.04  YU(N) =      845.15
FRDM=     1.66  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.645      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6478          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5367.16  YU(N) =      845.15
FRDM=     1.66  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.648      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6506          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     5356.01  YU(N) =      845.15
FRDM=     1.66  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.651      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6603          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     5316.89  YU(N) =      845.15
FRDM=     1.67  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.660      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =    6.6651          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     5296.58  YU(N) =      845.15
FRDM=     1.67  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.665      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6699          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5278.01  YU(N) =      845.15
FRDM=     1.67  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.670      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6731          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5263.74  YU(N) =      845.15
FRDM=     1.67  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.673      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.6758          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     5252.72  YU(N) =      845.15
FRDM=     1.68  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.676      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.6855          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     5212.97  YU(N) =      845.15
FRDM=     1.68  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.686      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6903          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     5192.27  YU(N) =      845.15
FRDM=     1.68  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.690      523.8   1099.91   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6952          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     5174.87  YU(N) =      845.14
FRDM=     1.69  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.695      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.6983          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5163.19  YU(N) =      845.14
FRDM=     1.69  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.698      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =   6.7011          DTH =  0.0028          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.95  QU(N) =    5154.17  YU(N) =     845.14
FRDM=    1.69  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.701      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.7108          DTH =  0.0097          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.00  QU(N) =    5120.53  YU(N) =     845.14
FRDM=    1.70  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.711      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.7156          DTH =  0.0048          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.91  QU(N) =    5102.81  YU(N) =     845.14
FRDM=    1.70  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.716      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.7204          DTH =  0.0048          ITERR =   2
QU(1) =     523.79     YU(1) =    1100.05  QU(N) =    5086.23  YU(N) =     845.14
FRDM=    1.70  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.720      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.7236          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     5073.83  YU(N) =      845.14
FRDM=     1.70  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.724      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7263          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     5063.33  YU(N) =      845.14
FRDM=     1.70  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.726      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7360          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     5026.77  YU(N) =      845.14
FRDM=     1.71  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.736      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7408          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     5008.33  YU(N) =      845.14
FRDM=     1.71  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.741      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
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```
TT =    6.7457          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4991.42  YU(N) =      845.14
FRDM=     1.71  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    2     6.746     523.8   1100.05   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.7488          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     4978.91  YU(N) =      845.14
FRDM=     1.72  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.749     523.8   1100.01   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.7516          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4969.58  YU(N) =      845.13
FRDM=     1.72  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.752     523.8   1099.95   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.7613          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4934.58  YU(N) =      845.13
FRDM=     1.72  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.761     523.8   1100.00   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0
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```
TT =    6.7661          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     4917.27  YU(N) =      845.13
FRDM=     1.73  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.766      523.8   1099.91   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.7709          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4899.82  YU(N) =      845.13
FRDM=     1.73  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.771      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.7741          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     4888.42  YU(N) =      845.13
FRDM=     1.73  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.774      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    6.7768          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4878.86  YU(N) =      845.13
FRDM=     1.73  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.777      523.8   1099.95   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =    6.7865          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4845.84  YU(N) =      845.13
FRDM=     1.74  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.787      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7913          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     4828.29  YU(N) =      845.13
FRDM=     1.74  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.791      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7962          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4811.98  YU(N) =      845.13
FRDM=     1.74  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.796      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    6.7993          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     4801.28  YU(N) =      845.13
FRDM=     1.75  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.799      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =    6.8021          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4792.52  YU(N) =      845.13
FRDM=     1.75  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.802      523.8   1099.95   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0


TT =    6.8118          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4758.25  YU(N) =      845.12
FRDM=     1.75  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.812      523.8   1100.00   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0


TT =    6.8166          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     4741.43  YU(N) =      845.12
FRDM=     1.76  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.817      523.8   1099.91   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0


TT =    6.8214          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4725.88  YU(N) =      845.12
FRDM=     1.76  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.821      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =   6.8246          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     4714.72  YU(N) =      845.12
FRDM=     1.76  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.825      523.8   1100.01   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8273          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.95  QU(N) =     4706.58  YU(N) =      845.12
FRDM=     1.76  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.827      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8370          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4675.38  YU(N) =      845.12
FRDM=     1.77  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.837      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8418          DTH =  0.0048          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.91  QU(N) =     4660.07  YU(N) =      845.12
FRDM=     1.77  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     6.842      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =   6.8467          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     4644.99  YU(N) =     845.12
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    2     6.847     523.8   1100.05   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.8498          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     4634.60  YU(N) =     845.12
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.850     523.8   1100.01   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.8526          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.95  QU(N) =     4626.51  YU(N) =     845.12
FRDM=     1.78  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.853     523.8   1099.95   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.8623          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4595.25  YU(N) =     845.12
FRDM=     1.79  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.862     523.8   1100.00   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0
```

```
TT =   6.8671          DTH =  0.0048          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.91  QU(N) =    4581.04  YU(N) =     845.12
FRDM=    1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.867      523.8   1099.91   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8719          DTH =  0.0048          ITERR =   2
QU(1) =     523.79     YU(1) =    1100.05  QU(N) =    4565.72  YU(N) =     845.12
FRDM=    1.79  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.872      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8751          DTH =  0.0032          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.00  QU(N) =    4555.31  YU(N) =     845.11
FRDM=    1.80  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.875      523.8   1100.00   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   6.8778          DTH =  0.0028          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.95  QU(N) =    4547.28  YU(N) =     845.11
FRDM=    1.80  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.878      523.8   1099.95   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =   6.8875          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4517.41  YU(N) =     845.11
FRDM=    1.80  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.888     523.8   1100.00   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.8923          DTH =  0.0048          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.91  QU(N) =     4502.52  YU(N) =     845.11
FRDM=    1.81  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.892     523.8   1099.91   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.8972          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     4488.67  YU(N) =     845.11
FRDM=    1.81  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    2     6.897     523.8   1100.05   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0

TT =   6.9003          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4478.43  YU(N) =     845.11
FRDM=    1.81  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.900     523.8   1100.00   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0      0.0
```

```
TT =    6.9031          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4470.21  YU(N) =      845.11
FRDM=     1.82  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.903     523.8   1099.95   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9128          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4441.71  YU(N) =      845.11
FRDM=     1.82  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.913     523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9176          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.91  QU(N) =     4427.56  YU(N) =      845.11
FRDM=     1.83  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.918     523.8   1099.91   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9224          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4413.44  YU(N) =      845.11
FRDM=     1.83  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.922     523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    6.9256          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4403.39  YU(N) =      845.11
FRDM=     1.83  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.926	523.8	1100.00	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    6.9283          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4396.07  YU(N) =      845.11
FRDM=     1.83  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.928	523.8	1099.95	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    6.9380          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4367.96  YU(N) =      845.11
FRDM=     1.84  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.938	523.8	1100.00	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    6.9428          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.90  QU(N) =     4354.48  YU(N) =      845.10
FRDM=     1.84  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.943	523.8	1099.90	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    6.9477          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4341.07  YU(N) =      845.10
FRDM=     1.85  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.948      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9508          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4331.63  YU(N) =      845.10
FRDM=     1.85  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.951      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9536          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4323.40  YU(N) =      845.10
FRDM=     1.85  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.954      523.8   1099.95   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    6.9633          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4296.57  YU(N) =      845.10
FRDM=     1.86  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.963      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    6.9681          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.90  QU(N) =     4282.88  YU(N) =      845.10
FRDM=     1.86  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.968     523.8   1099.90   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.9729          DTH =  0.0048          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4268.69  YU(N) =      845.10
FRDM=     1.86  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.973     523.8   1100.05   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.9761          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4258.94  YU(N) =      845.10
FRDM=     1.87  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.976     523.8   1100.00   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0

TT =    6.9789          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4250.80  YU(N) =      845.10
FRDM=     1.87  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.979     523.8   1099.95   1100.00   1075.09      1.00    270.0     523.8     523.8       0.0       0.0
```

```
TT =   6.9885          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4224.13  YU(N) =     845.10
FRDM=     1.88  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.989     523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   6.9933          DTH =  0.0048          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.90  QU(N) =     4210.57  YU(N) =     845.10
FRDM=     1.88  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.993     523.8   1099.90   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   6.9982          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     4196.42  YU(N) =     845.10
FRDM=     1.88  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    6.998     523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.0013          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4186.77  YU(N) =     845.10
FRDM=     1.88  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.001     523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =   7.0041          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.95  QU(N) =     4178.80  YU(N) =     845.10
FRDM=     1.89  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.004	523.8	1099.95	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.0138          DTH =  0.0097          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.00  QU(N) =     4152.12  YU(N) =     845.09
FRDM=     1.89  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.014	523.8	1100.00	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.0186          DTH =  0.0048          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.90  QU(N) =     4139.43  YU(N) =     845.09
FRDM=     1.90  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.019	523.8	1099.90	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.0234          DTH =  0.0048          ITERR =   2
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     4126.02  YU(N) =     845.09
FRDM=     1.90  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	7.023	523.8	1100.05	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    7.0266          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4115.98  YU(N) =      845.09
FRDM=     1.90  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.027     523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0294          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4108.99  YU(N) =      845.09
FRDM=     1.90  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.029     523.8   1099.95   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0390          DTH =   0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4082.71  YU(N) =      845.09
FRDM=     1.91  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.039     523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0439          DTH =   0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.90  QU(N) =     4069.75  YU(N) =      845.09
FRDM=     1.91  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.044     523.8   1099.90   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    7.0487          DTH =  0.0048          ITERR =   2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     4056.56  YU(N) =      845.09
FRDM=     1.92  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     7.049     523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.0518          DTH =  0.0032          ITERR =   0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4047.52  YU(N) =      845.09
FRDM=     1.92  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.052     523.8   1100.00   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.0546          DTH =  0.0028          ITERR =   0
QU(1) =      523.79     YU(1) =     1099.95  QU(N) =     4040.14  YU(N) =      845.09
FRDM=     1.92  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.055     523.8   1099.95   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.0643          DTH =  0.0097          ITERR =   0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     4014.23  YU(N) =      845.09
FRDM=     1.93  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.064     523.8   1100.00   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =   7.0655          DTH =  0.0012          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.98  QU(N) =    4010.79  YU(N) =     845.09
FRDM=    1.93  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.065      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   7.0697          DTH =  0.0042          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.05  QU(N) =    3999.17  YU(N) =     845.09
FRDM=    1.94  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.070      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   7.0739          DTH =  0.0042          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.99  QU(N) =    3987.83  YU(N) =     845.09
FRDM=    1.94  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.074      523.8   1099.99   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =   7.0771          DTH =  0.0032          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.07  QU(N) =    3978.94  YU(N) =     845.09
FRDM=    1.94  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.077      523.8   1100.07   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =    7.0799          DTH =   0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =     3971.65  YU(N) =      845.09
FRDM=     1.94  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.080     523.8   1100.03   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0823          DTH =   0.0024          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =     3965.15  YU(N) =      845.08
FRDM=     1.95  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.082     523.8   1099.99   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0907          DTH =   0.0085          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     3942.95  YU(N) =      845.08
FRDM=     1.95  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.091     523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.0950          DTH =   0.0042          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.93  QU(N) =     3931.69  YU(N) =      845.08
FRDM=     1.96  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.095     523.8   1099.93   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =   7.0992          DTH =  0.0042          ITERR =   2
QU(1) =     523.79     YU(1) =    1100.05  QU(N) =    3921.38  YU(N) =     845.08
FRDM=    1.96  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	7.099	523.8	1100.05	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.1023          DTH =  0.0032          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.01  QU(N) =    3912.85  YU(N) =     845.08
FRDM=    1.96  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.102	523.8	1100.01	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.1051          DTH =  0.0028          ITERR =   0
QU(1) =     523.79     YU(1) =    1099.96  QU(N) =    3905.54  YU(N) =     845.08
FRDM=    1.97  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.105	523.8	1099.96	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =   7.1148          DTH =  0.0097          ITERR =   0
QU(1) =     523.79     YU(1) =    1100.00  QU(N) =    3880.74  YU(N) =     845.08
FRDM=    1.97  IIFR=  104  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	7.115	523.8	1100.00	1100.00	1075.09	1.00	270.0	523.8	523.8	0.0	0.0

```
TT =    7.1160          DTH =   0.0012          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.98  QU(N) =     3877.84  YU(N) =      845.08
FRDM=     1.98  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.116      523.8   1099.98   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    7.1202          DTH =   0.0042          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     3867.15  YU(N) =      845.08
FRDM=     1.98  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.120      523.8   1100.05   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    7.1244          DTH =   0.0042          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =     3856.76  YU(N) =      845.08
FRDM=     1.98  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.124      523.8   1099.99   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0

TT =    7.1276          DTH =   0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.07  QU(N) =     3848.46  YU(N) =      845.08
FRDM=     1.99  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.128      523.8   1100.07   1100.00   1075.09      1.00     270.0      523.8     523.8       0.0       0.0
```

```
TT =   7.1304          DTH =  0.0028          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.03  QU(N) =     3841.09  YU(N) =     845.08
FRDM=     1.99  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.130     523.8   1100.03   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1328          DTH =  0.0024          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.99  QU(N) =     3834.88  YU(N) =     845.08
FRDM=     1.99  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.133     523.8   1099.99   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1412          DTH =  0.0085          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.01  QU(N) =     3812.87  YU(N) =     845.08
FRDM=     2.00  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.141     523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1455          DTH =  0.0042          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.93  QU(N) =     3802.28  YU(N) =     845.08
FRDM=     2.00  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.145     523.8   1099.93   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    7.1497          DTH =  0.0042          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     3792.62  YU(N) =      845.08
FRDM=     2.01  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    7.150      523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1528          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     3783.93  YU(N) =      845.08
FRDM=     2.01  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.153      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1556          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     3778.34  YU(N) =      845.08
FRDM=     2.01  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.156      523.8   1099.96   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1653          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     3755.07  YU(N) =      845.07
FRDM=     2.02  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.165      523.8   1100.00   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =   7.1665          DTH =  0.0012          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.97  QU(N) =     3751.89  YU(N) =     845.07
FRDM=    2.02  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.166     523.8   1099.97   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1707          DTH =  0.0042          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.05  QU(N) =     3741.47  YU(N) =     845.07
FRDM=    2.02  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.171     523.8   1100.05   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1749          DTH =  0.0042          ITERR =   0
QU(1) =      523.79    YU(1) =     1099.99  QU(N) =     3731.73  YU(N) =     845.07
FRDM=    2.03  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.175     523.8   1099.99   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =   7.1781          DTH =  0.0032          ITERR =   0
QU(1) =      523.79    YU(1) =     1100.07  QU(N) =     3724.00  YU(N) =     845.07
FRDM=    2.03  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.178     523.8   1100.07   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
```

```
TT =    7.1809          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.03  QU(N) =     3717.98  YU(N) =      845.07
FRDM=     2.03  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.181      523.8   1100.03   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1833          DTH =  0.0024          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.99  QU(N) =     3711.97  YU(N) =      845.07
FRDM=     2.03  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.183      523.8   1099.99   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1917          DTH =  0.0085          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     3693.51  YU(N) =      845.07
FRDM=     2.04  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.192      523.8   1100.01   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0

TT =    7.1960          DTH =  0.0042          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.93  QU(N) =     3685.06  YU(N) =      845.07
FRDM=     2.04  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.196      523.8   1099.93   1100.00   1075.09      1.00     270.0     523.8     523.8       0.0       0.0
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```
TT =    7.2002          DTH =  0.0042          ITERR =    2
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     3676.97  YU(N) =      845.07
FRDM=     2.05  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     7.200      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.2033          DTH =  0.0032          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.01  QU(N) =     3670.23  YU(N) =      845.07
FRDM=     2.05  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.203      523.8   1100.01   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.2061          DTH =  0.0028          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.96  QU(N) =     3664.81  YU(N) =      845.07
FRDM=     2.05  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.206      523.8   1099.96   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0

TT =    7.2158          DTH =  0.0097          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.00  QU(N) =     3644.30  YU(N) =      845.07
FRDM=     2.06  IIFR=  104  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.216      523.8   1100.00   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0       0.0
```

```
TT =    7.2206          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1100.05  QU(N) =     3633.54  YU(N) =      845.07
FRDM=     2.06  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.221      523.8   1100.05   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0      0.0

TT =    7.2254          DTH =  0.0048          ITERR =    0
QU(1) =      523.79     YU(1) =     1099.97  QU(N) =     3624.01  YU(N) =      845.07
FRDM=     2.06  IIFR=  104  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.225      523.8   1099.97   1100.00   1075.09      1.00    270.0      523.8     523.8       0.0      0.0

ROUTING COMPLETED.

KTIME=  438     ALLOWABLE KTIME= 699          TT=    7.3
```

PROFILE OF CRESTS AND TIMES FOR STN. 300+000VERTOP
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV. FEET **********	TIME FLOOD ELEV-HRS **********
0.000	1117.56	66561	2.300	0.99	0.00	0.00
0.380	1079.48	66561	2.550	6.69	0.00	0.00
0.570	1064.53	65231	2.575	7.17	0.00	0.00
0.760	1050.06	63938	2.625	6.65	0.00	0.00
0.772	1049.27	63757	2.625	6.61	0.00	0.00
0.784	1048.48	63865	2.625	6.57	0.00	0.00
0.796	1047.69	63928	2.625	6.53	0.00	0.00
0.807	1046.91	63949	2.625	6.49	0.00	0.00
0.819	1046.14	63933	2.625	6.46	0.00	0.00
0.831	1045.37	63882	2.625	6.42	0.00	0.00
0.843	1044.61	63800	2.625	6.37	0.00	0.00
0.855	1043.86	63691	2.625	6.33	0.00	0.00
0.867	1043.10	63556	2.625	6.28	0.00	0.00
0.879	1042.36	63397	2.650	6.24	0.00	0.00
0.891	1041.63	63324	2.650	6.19	0.00	0.00
0.902	1040.90	63385	2.650	6.14	0.00	0.00
0.914	1040.17	63426	2.650	6.09	0.00	0.00
0.926	1039.45	63444	2.650	6.04	0.00	0.00
0.938	1038.72	63440	2.650	6.00	0.00	0.00
0.950	1038.01	63414	2.650	5.96	0.00	0.00
0.962	1037.29	63366	2.650	5.91	0.00	0.00
0.974	1036.58	63295	2.650	5.87	0.00	0.00
0.986	1035.87	63203	2.650	5.82	0.00	0.00
0.997	1035.16	63092	2.650	5.78	0.00	0.00
1.009	1034.46	62960	2.675	5.73	0.00	0.00
1.021	1033.76	62937	2.675	5.68	0.00	0.00
1.033	1033.07	62987	2.675	5.64	0.00	0.00
1.045	1032.38	63019	2.675	5.60	0.00	0.00
1.057	1031.68	63032	2.675	5.56	0.00	0.00
1.069	1030.99	63025	2.675	5.52	0.00	0.00
1.081	1030.30	62999	2.675	5.48	0.00	0.00
1.092	1029.62	62953	2.675	5.44	0.00	0.00
1.104	1028.93	62887	2.675	5.40	0.00	0.00
1.116	1028.25	62801	2.675	5.36	0.00	0.00
1.128	1027.57	62693	2.675	5.31	0.00	0.00
1.140	1026.90	62561	2.700	5.25	0.00	0.00
1.330	1016.77	62194	2.725	5.05	0.00	0.00
1.520	1006.45	61462	2.775	5.32	0.00	0.00
1.643	999.43	61181	2.800	5.12	0.00	0.00
1.767	992.32	60969	2.825	5.17	0.00	0.00
1.890	985.41	60740	2.850	4.81	0.00	0.00
2.017	979.18	60501	2.875	4.69	0.00	0.00
2.143	972.75	60253	2.900	4.98	0.00	0.00
2.270	966.71	59927	2.925	4.42	0.00	0.00
2.297	965.60	59811	2.925	4.35	0.00	0.00
2.324	964.53	59689	2.950	4.26	0.00	0.00
2.351	963.48	59700	2.950	4.15	0.00	0.00

2.379	962.45	59626	2.950	4.05	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+000VERTOP
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
2.406	961.42	59444	2.975	4.00	0.00	0.00
2.433	960.37	59436	2.975	4.03	0.00	0.00
2.460	959.19	59390	2.975	4.33	0.00	0.00
2.555	954.63	59147	3.000	4.30	0.00	0.00
2.650	950.10	58971	3.025	4.18	0.00	0.00
2.667	949.29	58906	3.025	4.19	0.00	0.00
2.685	948.48	58810	3.050	4.19	0.00	0.00
2.702	947.67	58835	3.050	4.19	0.00	0.00
2.719	946.86	58844	3.050	4.19	0.00	0.00
2.736	946.05	58825	3.050	4.19	0.00	0.00
2.754	945.24	58776	3.050	4.19	0.00	0.00
2.771	944.43	58696	3.075	4.19	0.00	0.00
2.788	943.62	58646	3.075	4.19	0.00	0.00
2.805	942.81	58668	3.075	4.19	0.00	0.00
2.823	942.00	58663	3.075	4.19	0.00	0.00
2.840	941.19	58630	3.075	4.19	0.00	0.00
2.857	940.37	58570	3.075	4.19	0.00	0.00
2.875	939.56	58478	3.100	4.19	0.00	0.00
2.892	938.75	58484	3.100	4.19	0.00	0.00
2.909	937.93	58493	3.100	4.18	0.00	0.00
2.926	937.12	58473	3.100	4.18	0.00	0.00
2.944	936.30	58426	3.100	4.18	0.00	0.00
2.961	935.48	58349	3.125	4.18	0.00	0.00
2.978	934.66	58293	3.125	4.18	0.00	0.00
2.995	933.85	58316	3.125	4.17	0.00	0.00
3.013	933.03	58368	3.125	4.15	0.00	0.00
3.030	932.26	58088	3.125	4.07	0.00	0.00
3.125	928.13	57930	3.150	4.04	0.00	0.00
3.220	924.01	57747	3.175	4.00	0.00	0.00
3.315	919.86	57543	3.225	4.01	0.00	0.00
3.410	915.76	57268	3.250	3.93	0.00	0.00
3.505	911.57	57063	3.275	4.04	0.00	0.00
3.600	907.57	56824	3.300	3.75	0.00	0.00
3.611	907.15	56774	3.300	3.73	0.00	0.00
3.622	906.73	56784	3.300	3.70	0.00	0.00
3.634	906.31	56727	3.300	3.66	0.00	0.00
3.645	905.90	56662	3.325	3.63	0.00	0.00
3.656	905.49	56611	3.325	3.59	0.00	0.00
3.667	905.09	56623	3.325	3.55	0.00	0.00
3.678	904.70	56628	3.325	3.51	0.00	0.00
3.689	904.31	56621	3.325	3.47	0.00	0.00
3.701	903.92	56599	3.325	3.43	0.00	0.00
3.712	903.53	56556	3.325	3.39	0.00	0.00
3.723	903.15	56484	3.350	3.35	0.00	0.00
3.734	902.77	56442	3.350	3.31	0.00	0.00
3.745	902.40	56477	3.350	3.28	0.00	0.00
3.756	902.02	56489	3.350	3.26	0.00	0.00

3.768	901.63	56460	3.350	3.26	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+00OVERTOP
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
3.779	901.22	56401	3.350	3.31	0.00	0.00
3.790	900.74	56327	3.350	3.53	0.00	0.00
3.817	899.43	56310	3.375	3.57	0.00	0.00
3.844	898.12	56242	3.375	3.61	0.00	0.00
3.871	896.81	56226	3.375	3.65	0.00	0.00
3.899	895.51	56287	3.375	3.68	0.00	0.00
3.926	894.20	56221	3.400	3.75	0.00	0.00
3.953	893.03	56007	3.450	4.22	0.00	0.00
3.980	892.49	55360	3.475	2.77	0.00	0.00
3.990	892.37	54953	3.475	2.71	0.00	0.00
3.999	892.26	54739	3.475	2.63	0.00	0.00
4.009	892.15	54507	3.475	2.57	0.00	0.00
4.018	892.04	54223	3.500	2.55	0.00	0.00
4.028	891.94	54004	3.500	2.53	0.00	0.00
4.037	891.83	53880	3.500	2.50	0.00	0.00
4.047	891.73	53675	3.500	2.42	0.00	0.00
4.056	891.62	53409	3.500	2.37	0.00	0.00
4.066	891.51	53276	3.500	2.38	0.00	0.00
4.075	891.41	53218	3.525	2.36	0.00	0.00
4.085	891.30	53096	3.525	2.30	0.00	0.00
4.094	891.19	52920	3.525	2.24	0.00	0.00
4.104	891.08	52769	3.525	2.25	0.00	0.00
4.113	890.96	52773	3.525	2.23	0.00	0.00
4.123	890.84	52735	3.525	2.18	0.00	0.00
4.132	890.71	52650	3.525	2.18	0.00	0.00
4.142	890.56	52527	3.550	2.24	0.00	0.00
4.151	890.39	52461	3.550	2.35	0.00	0.00
4.161	890.18	52467	3.550	2.56	0.00	0.00
4.170	889.86	52457	3.550	3.09	0.00	0.00
4.189	888.99	52430	3.550	3.06	0.00	0.00
4.208	888.10	52391	3.550	3.06	0.00	0.00
4.227	887.21	52328	3.550	3.06	0.00	0.00
4.246	886.33	52338	3.575	3.06	0.00	0.00
4.265	885.44	52395	3.575	3.07	0.00	0.00
4.284	884.55	52313	3.575	3.07	0.00	0.00
4.303	883.66	52490	3.600	3.09	0.00	0.00
4.322	882.77	52408	3.600	3.10	0.00	0.00
4.341	881.88	52410	3.575	3.15	0.00	0.00
4.360	881.02	52841	3.600	3.34	0.00	0.00
4.455	876.05	54038	3.575	4.35	0.00	0.00
4.550	871.34	52262	3.700	3.07	0.00	0.00
4.565	870.83	52247	3.675	3.03	0.00	0.00
4.580	870.31	51950	3.675	3.02	0.00	0.00
4.595	869.79	51857	3.700	3.01	0.00	0.00
4.610	869.27	51908	3.700	3.00	0.00	0.00
4.625	868.74	51619	3.700	3.01	0.00	0.00
4.640	868.22	51555	3.725	3.02	0.00	0.00

4.655	867.70	51627	3.725	2.98	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+000VERTOP
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
4.670	867.18	51422	3.725	3.02	0.00	0.00
4.685	866.66	51209	3.750	3.01	0.00	0.00
4.700	866.14	51337	3.750	2.97	0.00	0.00
4.715	865.65	51059	3.775	2.94	0.00	0.00
4.730	865.26	51380	3.775	2.74	0.00	0.00
4.825	862.98	49254	3.825	2.56	0.00	0.00
4.920	860.57	49194	3.850	2.66	0.00	0.00
5.015	858.12	47847	3.925	2.32	0.00	0.00
5.110	855.24	47193	3.975	2.80	0.00	0.00
5.129	854.32	47303	3.975	2.84	0.00	0.00
5.148	853.41	47153	3.975	2.89	0.00	0.00
5.167	852.50	47088	4.000	2.93	0.00	0.00
5.186	851.59	47155	4.000	2.98	0.00	0.00
5.205	850.69	47204	4.000	3.03	0.00	0.00
5.224	849.79	47077	4.000	3.08	0.00	0.00
5.243	848.90	47069	4.025	3.13	0.00	0.00
5.262	848.01	47154	4.025	3.19	0.00	0.00
5.281	847.13	46950	4.025	3.24	0.00	0.00
5.300	846.25	46875	4.050	3.41	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH
[illegible] BY THE DAM BREAK OF

[illegible] ACCCD

ON

STN. 300+00PIPING

ANALYSIS BY

DAMES&MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***                         ***
***  SUMMARY OF INPUT DATA  ***
***                         ***
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INPUT CONTROL PARAMETERS FOR FRS#2 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	24
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#2 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
288.0	1118.00
240.0	1117.00
223.0	1116.00
193.0	1114.00

150.0	1111.20
98.0	1108.00
42.0	1104.00
1.0	1100.00

DAM NUMBER 1

FRS#2 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER BEFORE	FEET	YO	1111.20
SIDE SLOPE OF BREACH		Z	0.50
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1100.00
WIDTH OF BASE OF BREACH	FEET	BB	60.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1111.20
ELEVATION OF TOP OF DAM	FEET	HD	1117.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1111.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	945.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	-1105.60
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 13.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#2 MCFCD
****

694.00	2242.00	6202.00	6156.00	4291.00	2678.00	1635.00	965.00
671.00	575.00	514.00	418.00	360.00	330.00	299.00	250.00
208.00	167.00	148.00	135.00	123.00	114.00	78.00	1.00

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	0.2500	0.5000	0.7500	1.0000	1.2500	1.5000	1.7500
2.0000	2.2500	2.5000	3.0000	3.5000	4.0000	4.5000	5.5000
6.5000	7.5000	8.5000	9.5000	10.5000	11.5000	12.5000	13.5000

CROSS-SECTIONAL PARAMETERS FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	20
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LG	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1094.0	1094.2	1095.0	1097.0	1099.0	1118.0
BS ...	0.0	30.0	1000.0	2000.0	3000.0	4000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.380 FSTG(I) = 0.00

HS ...	1074.0	1074.5	1075.0	1080.0	1090.0	1095.0
BS ...	0.0	30.0	1000.0	3600.0	6000.0	7000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.760 FSTG(I) = 0.00

HS ...	1044.0	1044.5	1045.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	700.0	3000.0	7800.0	9600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.140 FSTG(I) = 0.00

HS ...	1023.0	1023.5	1025.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	4200.0	6400.0	9500.0	12200.0
BSS	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.520 FSTG(I) = 0.00

HS ...	1002.0	1002.5	1005.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	4000.0	7500.0	12400.0	16000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.890 FSTG(I) = 0.00

HS ...	981.0	981.5	985.0	990.0	995.0	1000.0
BS ...	0.0	30.0	5800.0	8400.0	11200.0	13500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.270 FSTG(I) = 0.00

HS ...	962.0	962.5	965.0	970.0	975.0	980.0
BS ...	0.0	30.0	4000.0	9600.0	12200.0	14600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.460 FSTG(I) = 0.00

HS ...	955.0	955.5	960.0	965.0	970.0	975.0
BS	0.0	30.0	9000.0	12200.0	14800.0	16000.0
BSS	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.650 FSTG(I) = 0.00

HS ...	946.0	946.5	950.0	955.0	960.0	970.0
BS ...	0.0	30.0	7600.0	12800.0	13600.0	19200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	929.0	929.5	930.0	935.0	940.0	950.0
BS ...	0.0	30.0	4400.0	11000.0	14600.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 3.600 FSTG(I) = 0.00

HS ...	904.0	904.5	905.0	910.0	915.0	920.0
BS ...	0.0	30.0	3300.0	12100.0	15700.0	18900.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 3.790 FSTG(I) = 0.00

HS ...	898.0	898.5	900.0	905.0	910.0	915.0
BS ...	0.0	30.0	10500.0	15600.0	18400.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.980 FSTG(I) = 0.00

HS ...	889.0	889.5	890.0	895.0	900.0	905.0
BS ...	0.0	30.0	7000.0	13400.0	17200.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 4.170 FSTG(I) = 0.00

HS ...	887.0	887.5	890.0	895.0	900.0	905.0
BS ...	0.0	30.0	15200.0	19600.0	23300.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 4.360 FSTG(I) = 0.00

HS ...	879.0	879.5	880.0	885.0	890.0	895.0
BS ...	0.0	30.0	13400.0	18600.0	22000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 4.550 FSTG(I) = 0.00

HS ...	869.0	869.5	870.0	875.0	880.0	885.0
BS ...	0.0	30.0	10000.0	16200.0	20400.0	25000.0
BSS	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.730 FSTG(I) = 0.00

HS ...	862.0	862.5	865.0	870.0	875.0	880.0
BS ...	0.0	30.0	13100.0	19100.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.920 FSTG(I) = 0.00

HS ...	858.0	858.5	860.0	865.0	870.0	875.0
BS ...	0.0	30.0	14200.0	20400.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 19
****

XS(I) = 5.110 FSTG(I) = 0.00

HS ...	853.0	853.5	855.0	860.0	865.0	870.0
BS ...	0.0	30.0	17000.0	21100.0	25000.0	30000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 20
****

XS(I) = 5.300 FSTG(I) = 0.00

HS ...	844.0	844.5	845.0	850.0	855.0	860.0
BS ...	0.0	30.0	8600.0	16700.0	20000.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 18 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 19 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000
18	0.000	-1.000
19	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	GMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.00
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.200
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.190 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.012 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.190 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.123 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.127 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.027 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.017 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.011 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 12 DXM WAS CHANGED TO 0.027 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.010 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 14 DXM WAS CHANGED TO 0.019 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 16 DXM WAS CHANGED TO 0.015 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 17 DXM WAS CHANGED TO 0.095 DUE TO EXP/CONTRACT CRITERIA

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AT REACH=   19  DXM WAS CHANGED TO 0.019  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    2  DXM WAS CHANGED TO 0.103  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    4  DXM WAS CHANGED TO 0.089  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    5  DXM WAS CHANGED TO 0.091  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    6  DXM WAS CHANGED TO 0.080  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    9  DXM WAS CHANGED TO 0.083  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   10  DXM WAS CHANGED TO 0.058  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   15  DXM WAS CHANGED TO 0.050  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.054  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.053  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES
101.000   0.103   0.012   0.089   0.091   0.080   0.027   0.083   0.017   0.058   0.011   0.027   0.010   0.019   0.050
  0.015   0.054   0.053   0.019


TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =   174     (MAXIMUM ALLOWABLE =   200
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***                           ***
***  SUMMARY OF OUTPUT DATA   ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1094.00				
2	0.38	1074.00	1	0.38	52.63	
3	0.76	1044.00	2	0.38	78.95	
4	1.14	1023.00	3	0.38	55.26	
5	1.52	1002.00	4	0.38	55.26	
6	1.89	981.00	5	0.37	56.76	
7	2.27	962.00	6	0.38	50.00	
8	2.46	958.00	7	0.19	36.84	
9	2.65	946.00	8	0.19	47.37	
10	3.03	929.00	9	0.38	44.74	
11	3.60	904.00	10	0.57	43.86	
12	3.79	898.00	11	0.19	31.58	
13	3.98	889.00	12	0.19	47.37	
14	4.17	887.00	13	0.19	10.53	
15	4.36	879.00	14	0.19	42.11	
16	4.55	869.00	15	0.19	52.63	
17	4.73	862.00	16	0.18	38.89	
18	4.92	858.00	17	0.19	21.05	
19	5.11	853.00	18	0.19	26.32	
20	5.30	844.00	19	0.19	47.37	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1095.07	DEPN=	1.07	YC=	1094.70	DEPC=	0.70	IFR= 0	ITN=	11	ITC= 11
I=	2	X=	0.380	YN=	1075.00	DEPN=	1.00	YC=	1074.92	DEPC=	0.92	IFR= 0	ITN=	11	ITC= 11
I=	3	X=	0.507	YN=	1065.06	DEPN=	1.06	YC=	1064.94	DEPC=	0.94	IFR= 0	ITN=	11	ITC= 11
I=	4	X=	0.633	YN=	1055.09	DEPN=	1.09	YC=	1054.96	DEPC=	0.96	IFR= 0	ITN=	11	ITC= 11
I=	5	X=	0.760	YN=	1045.10	DEPN=	1.10	YC=	1044.97	DEPC=	0.97	IFR= 0	ITN=	11	ITC= 11
I=	6	X=	0.772	YN=	1044.48	DEPN=	1.14	YC=	1044.30	DEPC=	0.96	IFR= 0	ITN=	11	ITC= 11
I=	7	X=	0.784	YN=	1043.81	DEPN=	1.13	YC=	1043.64	DEPC=	0.95	IFR= 0	ITN=	11	ITC= 11
I=	8	X=	0.796	YN=	1043.15	DEPN=	1.11	YC=	1042.97	DEPC=	0.94	IFR= 0	ITN=	11	ITC= 11
I=	9	X=	0.807	YN=	1042.48	DEPN=	1.10	YC=	1042.30	DEPC=	0.92	IFR= 0	ITN=	11	ITC= 11
I=	10	X=	0.819	YN=	1041.81	DEPN=	1.09	YC=	1041.64	DEPC=	0.93	IFR= 0	ITN=	11	ITC= 11
I=	11	X=	0.831	YN=	1041.14	DEPN=	1.08	YC=	1040.98	DEPC=	0.91	IFR= 0	ITN=	11	ITC= 11
I=	12	X=	0.843	YN=	1040.49	DEPN=	1.08	YC=	1040.32	DEPC=	0.92	IFR= 0	ITN=	11	ITC= 11
I=	13	X=	0.855	YN=	1039.82	DEPN=	1.07	YC=	1039.65	DEPC=	0.90	IFR= 0	ITN=	11	ITC= 11
I=	14	X=	0.867	YN=	1039.15	DEPN=	1.06	YC=	1039.00	DEPC=	0.90	IFR= 0	ITN=	11	ITC= 11
I=	15	X=	0.879	YN=	1038.50	DEPN=	1.06	YC=	1038.33	DEPC=	0.89	IFR= 0	ITN=	11	ITC= 11
I=	16	X=	0.891	YN=	1037.83	DEPN=	1.05	YC=	1037.68	DEPC=	0.89	IFR= 0	ITN=	11	ITC= 11

I=	17	X=	0.902	YN=	1037.17	DEPN=	1.05	YC=	1037.02	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.914	YN=	1036.51	DEPN=	1.04	YC=	1036.35	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	19	X=	0.926	YN=	1035.85	DEPN=	1.04	YC=	1035.70	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.938	YN=	1035.20	DEPN=	1.04	YC=	1035.04	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.950	YN=	1034.53	DEPN=	1.03	YC=	1034.39	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.962	YN=	1033.87	DEPN=	1.03	YC=	1033.72	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.974	YN=	1033.22	DEPN=	1.03	YC=	1033.06	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.986	YN=	1032.55	DEPN=	1.02	YC=	1032.41	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	0.997	YN=	1031.90	DEPN=	1.02	YC=	1031.75	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	1.009	YN=	1031.24	DEPN=	1.02	YC=	1031.10	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	1.021	YN=	1030.59	DEPN=	1.02	YC=	1030.43	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	1.033	YN=	1029.92	DEPN=	1.01	YC=	1029.77	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	1.045	YN=	1029.26	DEPN=	1.01	YC=	1029.12	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	1.057	YN=	1028.61	DEPN=	1.01	YC=	1028.46	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	1.069	YN=	1027.95	DEPN=	1.01	YC=	1027.81	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	1.081	YN=	1027.28	DEPN=	1.00	YC=	1027.15	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	1.092	YN=	1026.63	DEPN=	1.00	YC=	1026.48	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	1.104	YN=	1025.97	DEPN=	1.01	YC=	1025.83	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	1.116	YN=	1025.32	DEPN=	1.01	YC=	1025.17	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	1.128	YN=	1024.66	DEPN=	1.01	YC=	1024.52	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	1.140	YN=	1024.02	DEPN=	1.02	YC=	1023.86	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	1.235	YN=	1018.78	DEPN=	1.03	YC=	1018.63	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	1.330	YN=	1013.57	DEPN=	1.07	YC=	1013.41	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	1.425	YN=	1008.34	DEPN=	1.09	YC=	1008.18	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	1.520	YN=	1003.11	DEPN=	1.11	YC=	1002.95	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	42	X=	1.612	YN=	997.85	DEPN=	1.10	YC=	997.70	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	43	X=	1.705	YN=	992.61	DEPN=	1.11	YC=	992.45	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	44	X=	1.797	YN=	987.36	DEPN=	1.11	YC=	987.19	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	45	X=	1.890	YN=	982.10	DEPN=	1.10	YC=	981.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	46	X=	1.985	YN=	977.36	DEPN=	1.11	YC=	977.19	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	47	X=	2.080	YN=	972.61	DEPN=	1.11	YC=	972.45	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	48	X=	2.175	YN=	967.86	DEPN=	1.11	YC=	967.69	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	49	X=	2.270	YN=	963.13	DEPN=	1.13	YC=	962.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	50	X=	2.297	YN=	962.15	DEPN=	1.15	YC=	961.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	51	X=	2.324	YN=	961.13	DEPN=	1.13	YC=	960.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	52	X=	2.351	YN=	960.13	DEPN=	1.13	YC=	959.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	53	X=	2.379	YN=	959.13	DEPN=	1.13	YC=	958.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	54	X=	2.406	YN=	958.11	DEPN=	1.11	YC=	957.92	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	55	X=	2.433	YN=	957.11	DEPN=	1.11	YC=	956.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	56	X=	2.460	YN=	956.08	DEPN=	1.08	YC=	955.91	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	57	X=	2.555	YN=	951.57	DEPN=	1.07	YC=	951.41	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	2.650	YN=	947.04	DEPN=	1.04	YC=	946.90	DEPC=	0.90	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	2.667	YN=	946.29	DEPN=	1.07	YC=	946.12	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	2.685	YN=	945.51	DEPN=	1.06	YC=	945.34	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	2.702	YN=	944.74	DEPN=	1.05	YC=	944.57	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	2.719	YN=	943.96	DEPN=	1.05	YC=	943.80	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	2.736	YN=	943.18	DEPN=	1.04	YC=	943.02	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	2.754	YN=	942.40	DEPN=	1.04	YC=	942.24	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	2.771	YN=	941.63	DEPN=	1.04	YC=	941.46	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	2.788	YN=	940.85	DEPN=	1.03	YC=	940.69	DEPC=	0.87	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	2.805	YN=	940.07	DEPN=	1.03	YC=	939.91	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	2.823	YN=	939.28	DEPN=	1.01	YC=	939.13	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	2.840	YN=	938.51	DEPN=	1.01	YC=	938.35	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	2.857	YN=	937.73	DEPN=	1.00	YC=	937.57	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	2.875	YN=	936.95	DEPN=	0.99	YC=	936.80	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	2.892	YN=	936.17	DEPN=	0.99	YC=	936.02	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	2.909	YN=	935.38	DEPN=	0.97	YC=	935.23	DEPC=	0.82	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	2.926	YN=	934.60	DEPN=	0.96	YC=	934.45	DEPC=	0.82	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	2.944	YN=	933.81	DEPN=	0.95	YC=	933.67	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	76	X=	2.961	YN=	933.02	DEPN=	0.93	YC=	932.89	DEPC=	0.79	IFR=	0	ITN=	11	ITC=	11

I=	77	X=	2.978	YN=	932.23	DEPN=	0.91	YC=	932.10	DEPC=	0.78	IFR=	0	ITN=	11	ITC=	11
I=	78	X=	2.995	YN=	931.44	DEPN=	0.90	YC=	931.32	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	79	X=	3.013	YN=	930.64	DEPN=	0.87	YC=	930.52	DEPC=	0.75	IFR=	0	ITN=	11	ITC=	11
I=	80	X=	3.030	YN=	929.86	DEPN=	0.86	YC=	929.73	DEPC=	0.73	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	3.093	YN=	927.07	DEPN=	0.85	YC=	926.95	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	82	X=	3.157	YN=	924.31	DEPN=	0.86	YC=	924.19	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	83	X=	3.220	YN=	921.53	DEPN=	0.86	YC=	921.41	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	84	X=	3.283	YN=	918.76	DEPN=	0.87	YC=	918.63	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	85	X=	3.347	YN=	915.99	DEPN=	0.88	YC=	915.85	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	3.410	YN=	913.20	DEPN=	0.87	YC=	913.08	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	3.473	YN=	910.43	DEPN=	0.88	YC=	910.32	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	3.537	YN=	907.66	DEPN=	0.88	YC=	907.53	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	3.600	YN=	904.88	DEPN=	0.88	YC=	904.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	3.611	YN=	904.56	DEPN=	0.92	YC=	904.41	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	3.622	YN=	904.21	DEPN=	0.92	YC=	904.06	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	3.634	YN=	903.85	DEPN=	0.91	YC=	903.71	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	3.645	YN=	903.50	DEPN=	0.91	YC=	903.34	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	3.656	YN=	903.15	DEPN=	0.92	YC=	902.99	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	3.667	YN=	902.78	DEPN=	0.90	YC=	902.64	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	3.678	YN=	902.43	DEPN=	0.91	YC=	902.29	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	3.689	YN=	902.09	DEPN=	0.91	YC=	901.94	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	3.701	YN=	901.74	DEPN=	0.91	YC=	901.57	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	3.712	YN=	901.37	DEPN=	0.90	YC=	901.22	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	3.723	YN=	901.02	DEPN=	0.90	YC=	900.87	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	3.734	YN=	900.67	DEPN=	0.91	YC=	900.52	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	3.745	YN=	900.32	DEPN=	0.91	YC=	900.17	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	3.756	YN=	899.95	DEPN=	0.90	YC=	899.81	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	3.768	YN=	899.60	DEPN=	0.90	YC=	899.46	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	3.779	YN=	899.25	DEPN=	0.90	YC=	899.11	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	3.790	YN=	898.87	DEPN=	0.87	YC=	898.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	3.817	YN=	897.58	DEPN=	0.86	YC=	897.46	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	3.844	YN=	896.29	DEPN=	0.86	YC=	896.17	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	3.871	YN=	894.99	DEPN=	0.85	YC=	894.88	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	3.899	YN=	893.70	DEPN=	0.84	YC=	893.59	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	3.926	YN=	892.39	DEPN=	0.82	YC=	892.30	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	3.953	YN=	891.10	DEPN=	0.81	YC=	890.99	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	3.980	YN=	889.87	DEPN=	0.87	YC=	889.70	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	3.989	YN=	889.80	DEPN=	0.90	YC=	889.60	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	3.999	YN=	889.73	DEPN=	0.93	YC=	889.52	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	4.008	YN=	889.63	DEPN=	0.93	YC=	889.42	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	4.018	YN=	889.54	DEPN=	0.94	YC=	889.33	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	4.027	YN=	889.46	DEPN=	0.96	YC=	889.23	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	4.037	YN=	889.36	DEPN=	0.96	YC=	889.14	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	4.046	YN=	889.27	DEPN=	0.97	YC=	889.04	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	4.056	YN=	889.18	DEPN=	0.98	YC=	888.95	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	4.065	YN=	889.08	DEPN=	0.98	YC=	888.85	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	4.075	YN=	888.99	DEPN=	0.99	YC=	888.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	4.084	YN=	888.89	DEPN=	0.99	YC=	888.66	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	4.094	YN=	888.80	DEPN=	1.00	YC=	888.55	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	4.103	YN=	888.71	DEPN=	1.01	YC=	888.45	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	4.113	YN=	888.59	DEPN=	0.99	YC=	888.36	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	4.122	YN=	888.50	DEPN=	1.00	YC=	888.26	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	4.132	YN=	888.41	DEPN=	1.01	YC=	888.16	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	4.141	YN=	888.31	DEPN=	1.01	YC=	888.07	DEPC=	0.77	IFR=	0	ITN=	10		
ITC=	10																
I=	131	X=	4.151	YN=	888.22	DEPN=	1.02	YC=	887.97	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	4.161	YN=	888.12	DEPN=	1.02	YC=	887.86	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	4.170	YN=	887.91	DEPN=	0.91	YC=	887.76	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	4.189	YN=	887.08	DEPN=	0.88	YC=	886.96	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	4.208	YN=	886.27	DEPN=	0.87	YC=	886.15	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	136	X=	4.227	YN=	885.46	DEPN=	0.88	YC=	885.34	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10

I=	137	X=	4.246	YN=	884.65	DEPN=	0.85	YC=	884.53	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	4.265	YN=	883.84	DEPN=	0.84	YC=	883.72	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	139	X=	4.284	YN=	883.03	DEPN=	0.83	YC=	882.91	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	4.303	YN=	882.20	DEPN=	0.80	YC=	882.11	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	4.322	YN=	881.38	DEPN=	0.78	YC=	881.28	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	4.341	YN=	880.57	DEPN=	0.77	YC=	880.47	DEPC=	0.67	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	4.360	YN=	879.73	DEPN=	0.73	YC=	879.65	DEPC=	0.65	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	4.423	YN=	876.39	DEPN=	0.73	YC=	876.32	DEPC=	0.65	IFR=	0	ITN=	10	ITC=	10
I=	145	X=	4.487	YN=	873.08	DEPN=	0.74	YC=	873.00	DEPC=	0.66	IFR=	0	ITN=	10	ITC=	10
I=	146	X=	4.550	YN=	869.74	DEPN=	0.74	YC=	869.66	DEPC=	0.66	IFR=	0	ITN=	10	ITC=	10
I=	147	X=	4.565	YN=	869.21	DEPN=	0.80	YC=	869.10	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	148	X=	4.580	YN=	868.64	DEPN=	0.81	YC=	868.54	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	149	X=	4.595	YN=	868.08	DEPN=	0.83	YC=	867.97	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	150	X=	4.610	YN=	867.51	DEPN=	0.84	YC=	867.39	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	151	X=	4.625	YN=	866.95	DEPN=	0.86	YC=	866.82	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	152	X=	4.640	YN=	866.37	DEPN=	0.87	YC=	866.24	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	153	X=	4.655	YN=	865.80	DEPN=	0.88	YC=	865.66	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	154	X=	4.670	YN=	865.22	DEPN=	0.89	YC=	865.09	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	155	X=	4.685	YN=	864.65	DEPN=	0.90	YC=	864.51	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	156	X=	4.700	YN=	864.07	DEPN=	0.91	YC=	863.93	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	157	X=	4.715	YN=	863.50	DEPN=	0.91	YC=	863.36	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	158	X=	4.730	YN=	862.98	DEPN=	0.98	YC=	862.78	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	159	X=	4.793	YN=	861.62	DEPN=	0.96	YC=	861.43	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	160	X=	4.857	YN=	860.26	DEPN=	0.92	YC=	860.09	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	161	X=	4.920	YN=	858.87	DEPN=	0.87	YC=	858.72	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	162	X=	4.983	YN=	857.19	DEPN=	0.85	YC=	857.06	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	163	X=	5.047	YN=	855.52	DEPN=	0.85	YC=	855.39	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	164	X=	5.110	YN=	853.81	DEPN=	0.81	YC=	853.71	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	165	X=	5.129	YN=	852.90	DEPN=	0.80	YC=	852.80	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	166	X=	5.148	YN=	852.01	DEPN=	0.81	YC=	851.91	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	167	X=	5.167	YN=	851.11	DEPN=	0.81	YC=	851.01	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	168	X=	5.186	YN=	850.20	DEPN=	0.80	YC=	850.11	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	169	X=	5.205	YN=	849.30	DEPN=	0.80	YC=	849.20	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	170	X=	5.224	YN=	848.39	DEPN=	0.79	YC=	848.30	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	171	X=	5.243	YN=	847.49	DEPN=	0.79	YC=	847.39	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	172	X=	5.262	YN=	846.58	DEPN=	0.78	YC=	846.49	DEPC=	0.69	IFR=	0	ITN=	10	ITC=	10
I=	173	X=	5.281	YN=	845.68	DEPN=	0.78	YC=	845.58	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	174	X=	5.300	YN=	844.76	DEPN=	0.76	YC=	844.68	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1,N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0						

IN=	174	YNN=	844.76	DEP=	0.76						
	I= 173	X=	5.281	QIL=	500.	YIL=	845.68	DEP=	0.78	ITB=	5
	I= 172	X=	5.262	QIL=	500.	YIL=	846.58	DEP=	0.78	ITB=	5
	I= 171	X=	5.243	QIL=	500.	YIL=	847.49	DEP=	0.79	ITB=	5
	I= 170	X=	5.224	QIL=	500.	YIL=	848.39	DEP=	0.79	ITB=	5
	I= 169	X=	5.205	QIL=	500.	YIL=	849.30	DEP=	0.80	ITB=	5
	I= 168	X=	5.186	QIL=	500.	YIL=	850.20	DEP=	0.80	ITB=	5
	I= 167	X=	5.167	QIL=	500.	YIL=	851.10	DEP=	0.80	ITB=	6
	I= 166	X=	5.148	QIL=	500.	YIL=	852.01	DEP=	0.81	ITB=	6
	I= 165	X=	5.129	QIL=	500.	YIL=	852.91	DEP=	0.81	ITB=	6
	I= 164	X=	5.110	QIL=	500.	YIL=	853.81	DEP=	0.81	ITB=	6
	I= 163	X=	5.047	QIL=	500.	YIL=	855.55	DEP=	0.88	ITB=	5
	I= 162	X=	4.983	QIL=	500.	YIL=	857.17	DEP=	0.83	ITB=	5
	I= 161	X=	4.920	QIL=	500.	YIL=	858.89	DEP=	0.89	ITB=	5
	I= 160	X=	4.857	QIL=	500.	YIL=	860.25	DEP=	0.91	ITB=	5
	I= 159	X=	4.793	QIL=	500.	YIL=	861.62	DEP=	0.95	ITB=	5
	I= 158	X=	4.730	QIL=	500.	YIL=	862.97	DEP=	0.97	ITB=	5
	I= 157	X=	4.715	QIL=	500.	YIL=	863.47	DEP=	0.89	ITB=	6
	I= 156	X=	4.700	QIL=	500.	YIL=	864.09	DEP=	0.93	ITB=	6
	I= 155	X=	4.685	QIL=	500.	YIL=	864.64	DEP=	0.89	ITB=	6
	I= 154	X=	4.670	QIL=	500.	YIL=	865.23	DEP=	0.90	ITB=	6
	I= 153	X=	4.655	QIL=	500.	YIL=	865.80	DEP=	0.88	ITB=	6
	I= 152	X=	4.640	QIL=	500.	YIL=	866.37	DEP=	0.87	ITB=	6
	I= 151	X=	4.625	QIL=	500.	YIL=	866.94	DEP=	0.86	ITB=	6
	I= 150	X=	4.610	QIL=	500.	YIL=	867.51	DEP=	0.85	ITB=	6
	I= 149	X=	4.595	QIL=	500.	YIL=	868.08	DEP=	0.83	ITB=	6
	I= 148	X=	4.580	QIL=	500.	YIL=	868.65	DEP=	0.81	ITB=	6
	I= 147	X=	4.565	QIL=	500.	YIL=	869.21	DEP=	0.79	ITB=	6
	I= 146	X=	4.550	QIL=	500.	YIL=	869.77	DEP=	0.77	ITB=	5
	I= 145	X=	4.487	QIL=	500.	YIL=	873.05	DEP=	0.72	ITB=	4
	I= 144	X=	4.423	QIL=	500.	YIL=	876.41	DEP=	0.75	ITB=	5
	I= 143	X=	4.360	QIL=	500.	YIL=	879.71	DEP=	0.71	ITB=	5
	I= 142	X=	4.341	QIL=	500.	YIL=	880.58	DEP=	0.78	ITB=	6
	I= 141	X=	4.322	QIL=	500.	YIL=	881.36	DEP=	0.76	ITB=	6
	I= 140	X=	4.303	QIL=	500.	YIL=	882.22	DEP=	0.82	ITB=	5
	I= 139	X=	4.284	QIL=	500.	YIL=	883.01	DEP=	0.81	ITB=	6
	I= 138	X=	4.265	QIL=	500.	YIL=	883.85	DEP=	0.85	ITB=	6
	I= 137	X=	4.246	QIL=	500.	YIL=	884.64	DEP=	0.84	ITB=	6
	I= 136	X=	4.227	QIL=	500.	YIL=	885.47	DEP=	0.87	ITB=	6
	I= 135	X=	4.208	QIL=	500.	YIL=	886.27	DEP=	0.87	ITB=	6
	I= 134	X=	4.189	QIL=	500.	YIL=	887.09	DEP=	0.89	ITB=	6
	I= 133	X=	4.170	QIL=	500.	YIL=	887.89	DEP=	0.89	ITB=	6
	I= 132	X=	4.161	QIL=	500.	YIL=	888.10	DEP=	1.00	ITB=	7
	I= 131	X=	4.151	QIL=	500.	YIL=	888.21	DEP=	1.01	ITB=	7
	I= 130	X=	4.141	QIL=	500.	YIL=	888.31	DEP=	1.01	ITB=	7
	I= 129	X=	4.132	QIL=	500.	YIL=	888.41	DEP=	1.01	ITB=	7
	I= 128	X=	4.122	QIL=	500.	YIL=	888.51	DEP=	1.01	ITB=	7
	I= 127	X=	4.113	QIL=	500.	YIL=	888.61	DEP=	1.01	ITB=	7
	I= 126	X=	4.103	QIL=	500.	YIL=	888.70	DEP=	1.00	ITB=	7
	I= 125	X=	4.094	QIL=	500.	YIL=	888.80	DEP=	1.00	ITB=	7
	I= 124	X=	4.084	QIL=	500.	YIL=	888.89	DEP=	0.99	ITB=	7
	I= 123	X=	4.075	QIL=	500.	YIL=	888.99	DEP=	0.99	ITB=	7
	I= 122	X=	4.065	QIL=	500.	YIL=	889.09	DEP=	0.99	ITB=	7
	I= 121	X=	4.056	QIL=	500.	YIL=	889.18	DEP=	0.98	ITB=	7
	I= 120	X=	4.046	QIL=	500.	YIL=	889.27	DEP=	0.97	ITB=	7
	I= 119	X=	4.037	QIL=	500.	YIL=	889.37	DEP=	0.97	ITB=	7
	I= 118	X=	4.027	QIL=	500.	YIL=	889.46	DEP=	0.96	ITB=	7
	I= 117	X=	4.018	QIL=	500.	YIL=	889.55	DEP=	0.95	ITB=	7
	I= 116	X=	4.008	QIL=	500.	YIL=	889.65	DEP=	0.95	ITB=	6

I=	115	X=	3.999	QIL=	500.	YIL=	889.73	DEP=	0.93	ITB=	6
I=	114	X=	3.989	QIL=	500.	YIL=	889.82	DEP=	0.92	ITB=	6
I=	113	X=	3.980	QIL=	500.	YIL=	889.91	DEP=	0.91	ITB=	6

WATER DID NOT CONVERGE IN 15 ITERATIONS. PROGRAM STOPS AT SECTION NO= 112

I=	112	X=	3.953	QIL=	500.	YIL=	890.95	DEP=	0.67	ITB=	36
I=	111	X=	3.926	QIL=	500.	YIL=	892.48	DEP=	0.91	ITB=	5
I=	110	X=	3.899	QIL=	500.	YIL=	893.59	DEP=	0.73	ITB=	6
I=	109	X=	3.871	QIL=	500.	YIL=	895.06	DEP=	0.91	ITB=	5
I=	108	X=	3.844	QIL=	500.	YIL=	896.21	DEP=	0.78	ITB=	6
I=	107	X=	3.817	QIL=	500.	YIL=	897.63	DEP=	0.91	ITB=	5
I=	106	X=	3.790	QIL=	500.	YIL=	898.82	DEP=	0.82	ITB=	6
I=	105	X=	3.779	QIL=	500.	YIL=	899.29	DEP=	0.93	ITB=	6
I=	104	X=	3.768	QIL=	500.	YIL=	899.59	DEP=	0.89	ITB=	6
I=	103	X=	3.756	QIL=	500.	YIL=	899.97	DEP=	0.91	ITB=	6
I=	102	X=	3.745	QIL=	500.	YIL=	900.31	DEP=	0.90	ITB=	6
I=	101	X=	3.734	QIL=	500.	YIL=	900.67	DEP=	0.90	ITB=	6
I=	100	X=	3.723	QIL=	500.	YIL=	901.02	DEP=	0.90	ITB=	6
I=	99	X=	3.712	QIL=	500.	YIL=	901.37	DEP=	0.90	ITB=	6
I=	98	X=	3.701	QIL=	500.	YIL=	901.73	DEP=	0.90	ITB=	6
I=	97	X=	3.689	QIL=	500.	YIL=	902.08	DEP=	0.91	ITB=	6
I=	96	X=	3.678	QIL=	500.	YIL=	902.44	DEP=	0.91	ITB=	6
I=	95	X=	3.667	QIL=	500.	YIL=	902.79	DEP=	0.91	ITB=	6
I=	94	X=	3.656	QIL=	500.	YIL=	903.14	DEP=	0.91	ITB=	6
I=	93	X=	3.645	QIL=	500.	YIL=	903.50	DEP=	0.91	ITB=	6
I=	92	X=	3.634	QIL=	500.	YIL=	903.85	DEP=	0.91	ITB=	6
I=	91	X=	3.622	QIL=	500.	YIL=	904.21	DEP=	0.91	ITB=	6
I=	90	X=	3.611	QIL=	500.	YIL=	904.56	DEP=	0.92	ITB=	6
I=	89	X=	3.600	QIL=	500.	YIL=	904.92	DEP=	0.92	ITB=	6
I=	88	X=	3.537	QIL=	500.	YIL=	907.64	DEP=	0.86	ITB=	4
I=	87	X=	3.473	QIL=	500.	YIL=	910.46	DEP=	0.90	ITB=	4
I=	86	X=	3.410	QIL=	500.	YIL=	913.19	DEP=	0.86	ITB=	4
I=	85	X=	3.347	QIL=	500.	YIL=	916.00	DEP=	0.89	ITB=	4
I=	84	X=	3.283	QIL=	500.	YIL=	918.74	DEP=	0.85	ITB=	4
I=	83	X=	3.220	QIL=	500.	YIL=	921.54	DEP=	0.88	ITB=	4
I=	82	X=	3.157	QIL=	500.	YIL=	924.29	DEP=	0.85	ITB=	4
I=	81	X=	3.093	QIL=	500.	YIL=	927.09	DEP=	0.87	ITB=	4
I=	80	X=	3.030	QIL=	500.	YIL=	929.84	DEP=	0.84	ITB=	4
I=	79	X=	3.013	QIL=	500.	YIL=	930.65	DEP=	0.88	ITB=	5
I=	78	X=	2.995	QIL=	500.	YIL=	931.44	DEP=	0.89	ITB=	5
I=	77	X=	2.978	QIL=	500.	YIL=	932.24	DEP=	0.92	ITB=	5
I=	76	X=	2.961	QIL=	500.	YIL=	933.02	DEP=	0.93	ITB=	5
I=	75	X=	2.944	QIL=	500.	YIL=	933.81	DEP=	0.95	ITB=	5
I=	74	X=	2.926	QIL=	500.	YIL=	934.60	DEP=	0.96	ITB=	5
I=	73	X=	2.909	QIL=	500.	YIL=	935.38	DEP=	0.97	ITB=	5
I=	72	X=	2.892	QIL=	500.	YIL=	936.16	DEP=	0.98	ITB=	6
I=	71	X=	2.875	QIL=	500.	YIL=	936.95	DEP=	0.99	ITB=	5
I=	70	X=	2.857	QIL=	500.	YIL=	937.73	DEP=	1.00	ITB=	6
I=	69	X=	2.840	QIL=	500.	YIL=	938.51	DEP=	1.01	ITB=	6
I=	68	X=	2.823	QIL=	500.	YIL=	939.29	DEP=	1.02	ITB=	6
I=	67	X=	2.805	QIL=	500.	YIL=	940.07	DEP=	1.02	ITB=	6
I=	66	X=	2.788	QIL=	500	YIL=	940.85	DEP=	1.03	ITB=	6
I=	65	X=	2.771	QIL=	500	YIL=	941.63	DEP=	1.04	ITB=	6
I=	64	X=	2.754	QIL=	500	YIL=	942.40	DEP=	1.04	ITB=	6
I=	63	X=	2.736	QIL=	500.	YIL=	943.18	DEP=	1.05	ITB=	6
I=	62	X=	2.719	QIL=	500	YIL=	943.96	DEP=	1.05	ITB=	6
I=	61	X=	2.702	QIL=	500.	YIL=	944.74	DEP=	1.06	ITB=	6

I=	60	X=	2.685	QIL=	500.	YIL=	945.52	DEP=	1.06	ITB=	6
I=	59	X=	2.667	QIL=	500.	YIL=	946.29	DEP=	1.07	ITB=	6
I=	58	X=	2.650	QIL=	500.	YIL=	947.07	DEP=	1.07	ITB=	6
I=	57	X=	2.555	QIL=	500.	YIL=	951.57	DEP=	1.07	ITB=	5
I=	56	X=	2.460	QIL=	500.	YIL=	956.08	DEP=	1.08	ITB=	5
I=	55	X=	2.433	QIL=	500.	YIL=	957.13	DEP=	1.13	ITB=	5
I=	54	X=	2.406	QIL=	500.	YIL=	958.11	DEP=	1.11	ITB=	5
I=	53	X=	2.379	QIL=	500.	YIL=	959.13	DEP=	1.13	ITB=	5
I=	52	X=	2.351	QIL=	500.	YIL=	960.13	DEP=	1.13	ITB=	5
I=	51	X=	2.324	QIL=	500.	YIL=	961.14	DEP=	1.14	ITB=	5
I=	50	X=	2.297	QIL=	500.	YIL=	962.15	DEP=	1.15	ITB=	5
I=	49	X=	2.270	QIL=	500.	YIL=	963.16	DEP=	1.16	ITB=	5
I=	48	X=	2.175	QIL=	500.	YIL=	967.83	DEP=	1.08	ITB=	4
I=	47	X=	2.080	QIL=	500.	YIL=	972.65	DEP=	1.15	ITB=	5
I=	46	X=	1.985	QIL=	500.	YIL=	977.33	DEP=	1.08	ITB=	5
I=	45	X=	1.890	QIL=	500.	YIL=	982.14	DEP=	1.14	ITB=	5
I=	44	X=	1.797	QIL=	500.	YIL=	987.31	DEP=	1.06	ITB=	4
I=	43	X=	1.705	QIL=	500.	YIL=	992.64	DEP=	1.14	ITB=	5
I=	42	X=	1.612	QIL=	500.	YIL=	997.82	DEP=	1.07	ITB=	5
I=	41	X=	1.520	QIL=	500.	YIL=	1003.14	DEP=	1.14	ITB=	5
I=	40	X=	1.425	QIL=	500.	YIL=	1008.31	DEP=	1.06	ITB=	5
I=	39	X=	1.330	QIL=	500.	YIL=	1013.58	DEP=	1.08	ITB=	5
I=	38	X=	1.235	QIL=	500.	YIL=	1018.76	DEP=	1.01	ITB=	5
I=	37	X=	1.140	QIL=	500.	YIL=	1024.02	DEP=	1.02	ITB=	4
I=	36	X=	1.128	QIL=	500.	YIL=	1024.65	DEP=	0.99	ITB=	6
I=	35	X=	1.116	QIL=	500.	YIL=	1025.33	DEP=	1.01	ITB=	5
I=	34	X=	1.104	QIL=	500.	YIL=	1025.97	DEP=	1.00	ITB=	6
I=	33	X=	1.092	QIL=	500.	YIL=	1026.64	DEP=	1.01	ITB=	5
I=	32	X=	1.081	QIL=	500.	YIL=	1027.29	DEP=	1.01	ITB=	6
I=	31	X=	1.069	QIL=	500.	YIL=	1027.95	DEP=	1.01	ITB=	5
I=	30	X=	1.057	QIL=	500.	YIL=	1028.61	DEP=	1.01	ITB=	5
I=	29	X=	1.045	QIL=	500.	YIL=	1029.27	DEP=	1.02	ITB=	5
I=	28	X=	1.033	QIL=	500.	YIL=	1029.92	DEP=	1.02	ITB=	5
I=	27	X=	1.021	QIL=	500.	YIL=	1030.58	DEP=	1.02	ITB=	5
I=	26	X=	1.009	QIL=	500.	YIL=	1031.24	DEP=	1.02	ITB=	5
I=	25	X=	0.997	QIL=	500.	YIL=	1031.90	DEP=	1.02	ITB=	5
I=	24	X=	0.986	QIL=	500.	YIL=	1032.56	DEP=	1.03	ITB=	5
I=	23	X=	0.974	QIL=	500.	YIL=	1033.22	DEP=	1.03	ITB=	5
I=	22	X=	0.962	QIL=	500.	YIL=	1033.87	DEP=	1.03	ITB=	5
I=	21	X=	0.950	QIL=	500.	YIL=	1034.53	DEP=	1.03	ITB=	5
I=	20	X=	0.938	QIL=	500.	YIL=	1035.19	DEP=	1.04	ITB=	5
I=	19	X=	0.926	QIL=	500.	YIL=	1035.85	DEP=	1.04	ITB=	5
I=	18	X=	0.914	QIL=	500.	YIL=	1036.51	DEP=	1.04	ITB=	5
I=	17	X=	0.902	QIL=	500.	YIL=	1037.17	DEP=	1.05	ITB=	5
I=	16	X=	0.891	QIL=	500.	YIL=	1037.83	DEP=	1.05	ITB=	5
I=	15	X=	0.879	QIL=	500.	YIL=	1038.49	DEP=	1.06	ITB=	5
I=	14	X=	0.867	QIL=	500.	YIL=	1039.16	DEP=	1.06	ITB=	5
I=	13	X=	0.855	QIL=	500.	YIL=	1039.82	DEP=	1.07	ITB=	5
I=	12	X=	0.843	QIL=	500.	YIL=	1040.48	DEP=	1.08	ITB=	5
I=	11	X=	0.831	QIL=	500.	YIL=	1041.15	DEP=	1.08	ITB=	5
I=	10	X=	0.819	QIL=	500.	YIL=	1041.81	DEP=	1.09	ITB=	5
I=	9	X=	0.807	QIL=	500.	YIL=	1042.48	DEP=	1.11	ITB=	4
I=	8	X=	0.796	QIL=	500.	YIL=	1043.14	DEP=	1.11	ITB=	4
I=	7	X=	0.784	QIL=	500.	YIL=	1043.81	DEP=	1.12	ITB=	4
I=	6	X=	0.772	QIL=	500.	YIL=	1044.48	DEP=	1.13	ITB=	5
I=	5	X=	0.760	QIL=	500.	YIL=	1045.15	DEP=	1.15	ITB=	5
I=	4	X=	0.633	QIL=	500.	YIL=	1055.05	DEP=	1.05	ITB=	5
I=	3	X=	0.507	QIL=	500.	YIL=	1065.09	DEP=	1.09	ITB=	5
I=	2	X=	0.380	QIL=	500.	YIL=	1075.01	DEP=	1.01	ITB=	5
I=	1	X=	0.000	QIL=	500.	YIL=	1111.20	DEP=	17.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.		

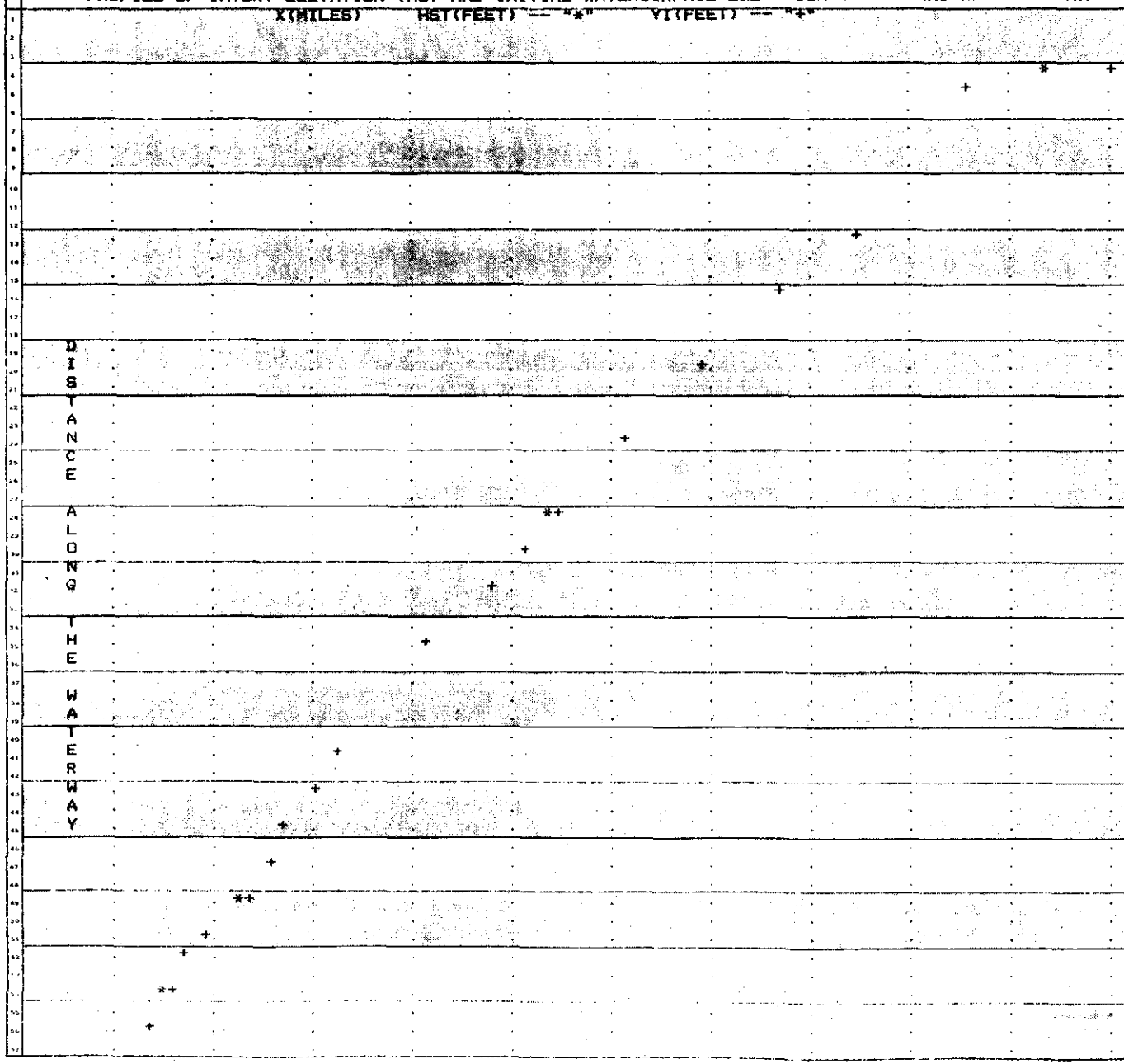
(YI(I), I=1, N)

1111.20	1075.01	1065.09	1055.05	1045.15	1044.48	1043.81	1043.14
1042.48	1041.81	1041.15	1040.48	1039.82	1039.16	1038.49	1037.83
1037.17	1036.51	1035.85	1035.19	1034.53	1033.87	1033.22	1032.56
1031.90	1031.24	1030.58	1029.92	1029.27	1028.61	1027.95	1027.29
1026.64	1025.97	1025.33	1024.65	1024.02	1018.76	1013.58	1008.31
1003.14	997.82	992.64	987.31	982.14	977.33	972.65	967.83
963.16	962.15	961.14	960.13	959.13	958.11	957.13	956.08
951.57	947.07	946.29	945.52	944.74	943.96	943.18	942.40
941.63	940.85	940.07	939.29	938.51	937.73	936.95	936.16
935.38	934.60	933.81	933.02	932.24	931.44	930.65	929.84
927.09	924.29	921.54	918.74	916.00	913.19	910.46	907.64
904.92	904.56	904.21	903.85	903.50	903.14	902.79	902.44
902.08	901.73	901.37	901.02	900.67	900.31	899.97	899.59
899.29	898.82	897.63	896.21	895.06	893.59	892.48	890.95
889.91	889.82	889.73	889.65	889.5[illegible]	889.4[illegible]	889.37	889.27
889.18	889.09	888.99	888.89	888.80	888.70	888.61	888.51
888.41	888.31	888.21	888.10	887.89	887.09	886.27	885.47
884.64	883.85	883.01	882.22	881.36	880.58	879.71	876.41

873.05	869.77	869.21	868.65	868.08	867.51	866.94	866.37
865.80	865.23	864.64	864.09	863.47	862.97	861.62	860.25
858.89	857.17	855.55	853.81	852.91	852.01	851.10	850.20
849.30	848.39	847.49	846.58	845.68	844.76		

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) == "*" YI(FEET) == "+"



X	HS	YI	DEPTH
0.00	1094.00	1111.20	17.20
0.38	1074.00	1075.01	1.01
0.76	1044.00	1045.15	1.15
1.14	1023.00	1024.02	1.02
1.52	1002.00	1003.14	1.14
1.89	981.00	982.14	1.14
2.27	962.00	963.16	1.16
2.46	955.00	956.08	1.08
2.65	946.00	947.07	1.07
3.03	929.00	929.84	0.84
3.60	904.00	904.92	0.92
3.79	898.00	898.82	0.82
3.98	889.00	889.91	0.91
4.17	887.00	887.89	0.89
4.36	879.00	879.71	0.71
4.55	869.00	869.77	0.77
4.73	862.00	862.97	0.97
4.92	858.00	858.89	0.89
5.11	853.00	853.81	0.81

5.30 844.00 844.76 0.76

+
844.0 870.7 897.4 924.2 950.9 977.6 1004.3 1031.0 1057.8 1084.5 1111.2

ELEVATION

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	13.500
TIME TO PEAK	HR	TP	0.500
TIME STEP SIZE	HR	DTHI	0.025

```
TT =    0 0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1111.20  QU(N) =      500.00  YU(N) =      844.76
FRDM=     1.67  IIFR=  112  FRM=0.00 IIFM=     1

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1111.20  QU(N) =      500.00  YU(N) =      844.77
FRDM=     1.85  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      G(I)      H2       YB       D       SUB      BB      QU(1)   QBRECH   QOVTOP   QOTHR
I    0    0.000    500.0   1111.20  1105.60  1075.02   1.00     0.0     500.0     0.0      0.0    500.0

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1111.21  QU(N) =      523.61  YU(N) =      844.77
FRDM=     1.75  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      G(I)      H2       YB       D       SUB      BB      QU(1)   QBRECH   QOVTOP   QOTHR
I    0    0.000    500.0   1111.21  1105.60  1075.02   1.00     0.0     500.0     0.0      0.0    500.0
```

```
TT =    0.0250          DTH =  0.0250          ITERR =   0
QU(1) =      520.94     YU(1) =     1111.21  QU(N) =      532.44  YU(N) =      844.78
FRDM=     1.88  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      0.025      520.9   1111.21   1105.32   1075.02       1.00       3.0      520.9      20.9       0.0     500.0

TT =    0.0500          DTH =  0.0250          ITERR =   0
QU(1) =      585.31     YU(1) =     1111.21  QU(N) =      534.91  YU(N) =      844.78
FRDM=     1.85  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      0.050      585.3   1111.21   1105.04   1075.05       1.00       6.0      585.3      83.8       0.0     501.5

TT =    0.0750          DTH =  0.0250          ITERR =   0
QU(1) =      691.24     YU(1) =     1111.22  QU(N) =      535.65  YU(N) =      844.78
FRDM=     1.90  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      0.075      691.2   1111.22   1104.76   1075.09       1.00       9.0      691.2     188.7       0.0     502.5

TT =    0.1000          DTH =  0.0250          ITERR =   0
QU(1) =      839.52     YU(1) =     1111.23  QU(N) =      535.86  YU(N) =      844.78
FRDM=     1.90  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      0.100      839.5   1111.23   1104.48   1075.13       1.00      12.0      839.5     335.7       0.0     503.8
```

```
TT =    0.1250          DTH =  0.0250          ITERR =   0
QU(1) =     1030.06     YU(1) =     1111.23  QU(N) =     535.97  YU(N) =     844.78
FRDM=     1.92  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0     0.125     1030.1   1111.23   1104.20   1075.19      1.00      15.0    1030.1     524.7       0.0    505.3

TT =    0.1500          DTH =  0.0250          ITERR =   0
QU(1) =     1162.88     YU(1) =     1111.24  QU(N) =     535.90  YU(N) =     844.78
FRDM=     1.92  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0     0.150     1162.9   1111.24   1103.92   1075.23      1.00      18.0    1162.9     756.1       0.0    406.8

TT =    0.1750          DTH =  0.0250          ITERR =   0
QU(1) =     1338.02     YU(1) =     1111.25  QU(N) =     535.94  YU(N) =     844.78
FRDM=     1.93  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0     0.175     1338.0   1111.25   1103.64   1075.27      1.00      21.0    1338.0    1029.6       0.0    308.4

TT =    0.2000          DTH =  0.0250          ITERR =   0
QU(1) =     1555.48     YU(1) =     1111.25  QU(N) =     535.91  YU(N) =     844.78
FRDM=     1.94  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0     0.200     1555.5   1111.25   1103.36   1075.33      1.00      24.0    1555.5    1345.3       0.0    210.2
```

```
TT =    0.2250          DTH =  0.0250          ITERR =   0
QU(1) =     1814.81     YU(1) =     1111.26  QU(N) =     535.93  YU(N) =     844.78
FRDM=     1.94  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.225     1814.8    1111.26   1103.08   1075.39      1.00      27.0     1814.8    1703.0       0.0     111.8


TT =    0.2500          DTH =  0.0250          ITERR =   0
QU(1) =     2115.60     YU(1) =     1111.26  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.95  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.250     2115.6    1111.26   1102.80   1075.45      1.00      30.0     2115.6    2102.6       0.0      13.0


TT =    0.2750          DTH =  0.0250          ITERR =   0
QU(1) =     2930.91     YU(1) =     1111.26  QU(N) =     535.93  YU(N) =     844.78
FRDM=     1.95  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.275     2930.9    1111.26   1102.52   1075.61      1.00      33.0     2930.9    2917.3       0.0      13.6


TT =    0.3000          DTH =  0.0250          ITERR =   0
QU(1) =     3329.77     YU(1) =     1111.25  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.96  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.300     3329.8    1111.25   1102.24   1075.66      1.00      36.0     3329.8    3317.2       0.0      12.6
```

```
TT =    0.3250          DTH =  0.0250          ITERR =   0
QU(1) =     3754.73     YU(1) =     1111.25  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.325    3754.7   1111.25   1101.96   1075.74      1.00     39.0    3754.7    3743.9       0.0      10.8

TT =    0.3500          DTH =  0.0250          ITERR =   0
QU(1) =     4205.92     YU(1) =     1111.24  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.350    4205.9   1111.24   1101.68   1075.80      1.00     42.0    4205.9    4196.5       0.0       9.4

TT =    0.3750          DTH =  0.0250          ITERR =   0
QU(1) =     4683.32     YU(1) =     1111.24  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.375    4683.3   1111.24   1101.40   1075.87      1.00     45.0    4683.3    4675.4       0.0       7.9

TT =    0.4000          DTH =  0.0250          ITERR =   0
QU(1) =     5187.21     YU(1) =     1111.23  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.400    5187.2   1111.23   1101.12   1075.93      1.00     48.0    5187.2    5181.0       0.0       6.2
```

```
TT =    0.4250          DTH =  0.0250          ITERR =    0
QU(1) =     5717.39     YU(1) =     1111.22  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.425    5717.4   1111.22   1100.84   1076.00      1.00      51.0    5717.4    5713.1       0.0       4.2

TT =    0.4500          DTH =  0.0250          ITERR =    0
QU(1) =     6273.84     YU(1) =     1111.21  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.450    6273.8   1111.21   1100.56   1076.06      1.00      54.0    6273.8    6271.6       0.0       2.2

TT =    0.4750          DTH =  0.0250          ITERR =    0
QU(1) =     6857.30     YU(1) =     1111.20  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.475    6857.3   1111.20   1100.28   1076.13      1.00      57.0    6857.3    6857.3       0.0       0.0

TT =    0.5000          DTH =  0.0250          ITERR =    0
QU(1) =     7467.47     YU(1) =     1111.18  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.500    7467.5   1111.18   1100.00   1076.20      1.00      60.0    7467.5    7467.5       0.0       0.0
```

```
TT =    0.5250          DTH =   0.0250          ITERR =    0
QU(1) =     7449.31     YU(1) =     1111.16  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.525     7449.3   1111.16   1100.00   1076.20      1.00      60.0    7449.3    7449.3       0.0       0.0

TT =    0.5500          DTH =   0.0250          ITERR =    0
QU(1) =     7431.31     YU(1) =     1111.15  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.550     7431.3   1111.15   1100.00   1076.19      1.00      60.0    7431.3    7431.3       0.0       0.0

TT =    0.5750          DTH =   0.0250          ITERR =    0
QU(1) =     7413.48     YU(1) =     1111.13  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.575     7413.5   1111.13   1100.00   1076.19      1.00      60.0    7413.5    7413.5       0.0       0.0

TT =    0.6000          DTH =   0.0250          ITERR =    0
QU(1) =     7395.79     YU(1) =     1111.11  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.600     7395.8   1111.11   1100.00   1076.19      1.00      60.0    7395.8    7395.8       0.0       0.0
```

```
TT =    0.6250          DTH =  0.0250          ITERR =   0
QU(1) =     7378.25     YU(1) =     1111.10  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.625     7378.2   1111.10   1100.00   1076.18      1.00      60.0    7378.2    7378.2       0.0       0.0

TT =    0.6500          DTH =  0.0250          ITERR =   0
QU(1) =     7360.97     YU(1) =     1111.08  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.650     7361.0   1111.08   1100.00   1076.18      1.00      60.0    7361.0    7361.0       0.0       0.0

TT =    0.6750          DTH =  0.0250          ITERR =   0
QU(1) =     7343.84     YU(1) =     1111.06  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.675     7343.8   1111.06   1100.00   1076.18      1.00      60.0    7343.8    7343.8       0.0       0.0

TT =    0.7000          DTH =  0.0250          ITERR =   0
QU(1) =     7326.85     YU(1) =     1111.05  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.700     7326.8   1111.05   1100.00   1076.18      1.00      60.0    7326.8    7326.8       0.0       0.0
```

```
TT =    0.7250          DTH =  0.0250          ITERR =    0
QU(1) =     7309.99     YU(1) =     1111.03  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.725    7310.0   1111.03   1100.00   1076.18      1.00      60.0    7310.0    7310.0       0.0       0.0

TT =    0.7500          DTH =  0.0250          ITERR =    0
QU(1) =     7293.28     YU(1) =     1111.01  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.750    7293.3   1111.01   1100.00   1076.17      1.00      60.0    7293.3    7293.3       0.0       0.0

TT =    0.7750          DTH =  0.0250          ITERR =    0
QU(1) =     7275.39     YU(1) =     1111.00  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.775    7275.4   1111.00   1100.00   1076.17      1.00      60.0    7275.4    7275.4       0.0       0.0

TT =    0.8000          DTH =  0.0250          ITERR =    0
QU(1) =     7255.07     YU(1) =     1110.98  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.800    7255.1   1110.98   1100.00   1076.17      1.00      60.0    7255.1    7255.1       0.0       0.0
```

```
TT =    0.8250          DTH =  0.0250          ITERR =   0
QU(1) =    7232.39     YU(1) =    1110.96  QU(N) =     535.92  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.825     7232.4   1110.96   1100.00   1076.17      1.00     60.0    7232.4    7232.4       0.0       0.0

TT =    0.8500          DTH =  0.0250          ITERR =   0
QU(1) =    7207.23     YU(1) =    1110.93  QU(N) =     535.92  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.850     7207.2   1110.93   1100.00   1076.16      1.00     60.0    7207.2    7207.2       0.0       0.0

TT =    0.8750          DTH =  0.0250          ITERR =   0
QU(1) =    7179.73     YU(1) =    1110.91  QU(N) =     535.92  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.875     7179.7   1110.91   1100.00   1076.16      1.00     60.0    7179.7    7179.7       0.0       0.0

TT =    0.9000          DTH =  0.0250          ITERR =   0
QU(1) =    7149.90     YU(1) =    1110.88  QU(N) =     535.92  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     0.900     7149.9   1110.88   1100.00   1076.16      1.00     60.0    7149.9    7149.9       0.0       0.0
```

```
TT =    0.9250          DTH =  0.0250          ITERR =    0
QU(1) =     7117.74     YU(1) =     1110.85  QU(N) =     535.92  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.925     7117.7   1110.85   1100.00   1076.15      1.00      60.0    7117.7    7117.7       0.0       0.0

TT =    0.9500          DTH =  0.0250          ITERR =    1
QU(1) =     7083.25     YU(1) =     1110.81  QU(N) =     535.88  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     0.950     7083.2   1110.81   1100.00   1076.15      1.00      60.0    7083.2    7083.2       0.0       0.0

TT =    0.9750          DTH =  0.0250          ITERR =    0
QU(1) =     7046.48     YU(1) =     1110.78  QU(N) =     535.95  YU(N) =     844.78
FRDM=     1.93  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.975     7046.5   1110.78   1100.00   1076.15      1.00      60.0    7046.5    7046.5       0.0       0.0

TT =    1.0000          DTH =  0.0250          ITERR =    1
QU(1) =     7007.39     YU(1) =     1110.74  QU(N) =     535.86  YU(N) =     844.78
FRDM=     2.00  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     1.000     7007.4   1110.74   1100.00   1076.14      1.00      60.0    7007.4    7007.4       0.0       0.0
```

```
TT =    1.0250          DTH =  0.0250          ITERR =    0
QU(1) =     6966.24     YU(1) =     1110.70  QU(N) =      535.96  YU(N) =      844.78
FRDM=     1.93  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.025     6966.2   1110.70   1100.00   1076.14      1.00      60.0    6966.2    6966.2       0.0       0.0

TT =    1.0500          DTH =  0.0250          ITERR =    1
QU(1) =     6923.23     YU(1) =     1110.65  QU(N) =      535.85  YU(N) =      844.78
FRDM=     2.01  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.050     6923.2   1110.65   1100.00   1076.13      1.00      60.0    6923.2    6923.2       0.0       0.0

TT =    1.0750          DTH =  0.0250          ITERR =    0
QU(1) =     6878.37     YU(1) =     1110.61  QU(N) =      535.97  YU(N) =      844.78
FRDM=     1.93  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.075     6878.4   1110.61   1100.00   1076.13      1.00      60.0    6878.4    6878.4       0.0       0.0

TT =    1.1000          DTH =  0.0250          ITERR =    1
QU(1) =     6831.61     YU(1) =     1110.56  QU(N) =      535.85  YU(N) =      844.78
FRDM=     2.01  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.100     6831.6   1110.56   1100.00   1076.12      1.00      60.0    6831.6    6831.6       0.0       0.0
```

```
TT =    1.1250          DTH =  0.0250          ITERR =   0
QU(1) =    6783.04     YU(1) =    1110.52  QU(N) =      535.97  YU(N) =      844.78
FRDM=    1.94  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.125    6783.0    1110.52   1100.00   1076.12      1.00     60.0    6783.0    6783.0       0.0       0.0

TT =    1.1500          DTH =  0.0250          ITERR =   1
QU(1) =    6732.59     YU(1) =    1110.47  QU(N) =      535.85  YU(N) =      844.78
FRDM=    2.01  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.150    6732.6    1110.47   1100.00   1076.11      1.00     60.0    6732.6    6732.6       0.0       0.0

TT =    1.1750          DTH =  0.0250          ITERR =   1
QU(1) =    6680.33     YU(1) =    1110.41  QU(N) =      535.91  YU(N) =      844.78
FRDM=    1.94  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.175    6680.3    1110.41   1100.00   1076.10      1.00     60.0    6680.3    6680.3       0.0       0.0

TT =    1.2000          DTH =  0.0250          ITERR =   0
QU(1) =    6626.30     YU(1) =    1110.36  QU(N) =      535.93  YU(N) =      844.78
FRDM=    1.96  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.200    6626.3    1110.36   1100.00   1076.10      1.00     60.0    6626.3    6626.3       0.0       0.0
```

```
TT =    1.2250          DTH =  0.0250          ITERR =   0
QU(1) =     6570.45     YU(1) =     1110.30  QU(N) =     535.92  YU(N) =     844.78
FRDM=    1.99  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.225     6570.5   1110.30   1100.00   1076.09      1.00      60.0    6570.5    6570.5       0.0       0.0

TT =    1.2500          DTH =  0.0250          ITERR =   1
QU(1) =     6512.81     YU(1) =     1110.25  QU(N) =     535.88  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.250     6512.8   1110.25   1100.00   1076.08      1.00      60.0    6512.8    6512.8       0.0       0.0

TT =    1.2750          DTH =  0.0250          ITERR =   0
QU(1) =     6453.90     YU(1) =     1110.19  QU(N) =     535.95  YU(N) =     844.78
FRDM=    1.95  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.275     6453.9   1110.19   1100.00   1076.08      1.00      60.0    6453.9    6453.9       0.0       0.0

TT =    1.3000          DTH =  0.0250          ITERR =   1
QU(1) =     6393.99     YU(1) =     1110.13  QU(N) =     535.86  YU(N) =     844.78
FRDM=    2.00  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.300     6394.0   1110.13   1100.00   1076.07      1.00      60.0    6394.0    6394.0       0.0       0.0
```

```
TT =    1.3250          DTH =  0.0250          ITERR =   0
QU(1) =     6333.27     YU(1) =     1110.07  QU(N) =      535.96  YU(N) =      844.78
FRDM=    1.94  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.325    6333.3   1110.07   1100.00   1076.06      1.00      60.0    6333.3    6333.3       0.0       0.0

TT =    1.3500          DTH =  0.0250          ITERR =   1
QU(1) =     6271.62     YU(1) =     1110.00  QU(N) =      535.85  YU(N) =      844.78
FRDM=    2.00  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.350    6271.6   1110.00   1100.00   1076.05      1.00      60.0    6271.6    6271.6       0.0       0.0

TT =    1.3750          DTH =  0.0250          ITERR =   0
QU(1) =     6209.06     YU(1) =     1109.94  QU(N) =      535.96  YU(N) =      844.78
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.375    6209.1   1109.94   1100.00   1076.05      1.00      60.0    6209.1    6209.1       0.0       0.0

TT =    1.4000          DTH =  0.0250          ITERR =   1
QU(1) =     6145.60     YU(1) =     1109.87  QU(N) =      535.85  YU(N) =      844.78
FRDM=    2.00  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.400    6145.6   1109.87   1100.00   1076.04      1.00      60.0    6145.6    6145.6       0.0       0.0
```

```
TT =    1.4250          DTH =  0.0250          ITERR =   0
QU(1) =     6081.14     YU(1) =     1109.81  QU(N) =     535.97  YU(N) =     844.78
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    1.425   6081.1   1109.81   1100.00   1076.03    1.00     60.0    6081.1    6081.1       0.0       0.0

TT =    1.4500          DTH =  0.0250          ITERR =   0
QU(1) =     6015.84     YU(1) =     1109.74  QU(N) =     535.90  YU(N) =     844.78
FRDM=    2.01  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    1.450   6015.8   1109.74   1100.00   1076.02    1.00     60.0    6015.8    6015.8       0.0       0.0

TT =    1.4750          DTH =  0.0250          ITERR =   1
QU(1) =     5949.57     YU(1) =     1109.67  QU(N) =     535.89  YU(N) =     844.78
FRDM=    1.97  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.475   5949.6   1109.67   1100.00   1076.01    1.00     60.0    5949.6    5949.6       0.0       0.0

TT =    1.5000          DTH =  0.0250          ITERR =   0
QU(1) =     5882.49     YU(1) =     1109.60  QU(N) =     535.94  YU(N) =     844.78
FRDM=    1.94  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    1.500   5882.5   1109.60   1100.00   1076.01    1.00     60.0    5882.5    5882.5       0.0       0.0
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```
TT =    1.5250          DTH =  0.0250          ITERR =   0
QU(1) =     5814.77     YU(1) =     1109.53  QU(N) =     535.91  YU(N) =     844.78
FRDM=     2.00  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.525     5814.8   1109.53   1100.00   1076.00      1.00      60.0     5814.8     5814.8       0.0       0.0

TT =    1.5500          DTH =  0.0250          ITERR =   1
QU(1) =     5746.66     YU(1) =     1109.46  QU(N) =     535.88  YU(N) =     844.78
FRDM=     1.97  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.550     5746.7   1109.46   1100.00   1075.99      1.00      60.0     5746.7     5746.7       0.0       0.0

TT =    1.5750          DTH =  0.0250          ITERR =   1
QU(1) =     5678.19     YU(1) =     1109.38  QU(N) =     535.90  YU(N) =     844.78
FRDM=     1.96  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.575     5678.2   1109.38   1100.00   1075.98      1.00      60.0     5678.2     5678.2       0.0       0.0

TT =    1.6000          DTH =  0.0250          ITERR =   0
QU(1) =     5609.51     YU(1) =     1109.31  QU(N) =     535.97  YU(N) =     844.78
FRDM=     1.95  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.600     5609.5   1109.31   1100.00   1075.97      1.00      60.0     5609.5     5609.5       0.0       0.0
```

```
TT =    1.6250          DTH =  0.0250          ITERR =    1
QU(1) =     5540.46     YU(1) =     1109.24  QU(N) =     535.89  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.625    5540.5   1109.24   1100.00   1075.96     1.00     60.0    5540.5    5540.5       0.0       0.0

TT =    1.6500          DTH =  0.0250          ITERR =    1
QU(1) =     5470.97     YU(1) =     1109.16  QU(N) =     535.96  YU(N) =     844.78
FRDM=     1.93  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.650    5471.0   1109.16   1100.00   1075.95     1.00     60.0    5471.0    5471.0       0.0       0.0

TT =    1.6750          DTH =  0.0250          ITERR =    0
QU(1) =     5401.18     YU(1) =     1109.09  QU(N) =     536.03  YU(N) =     844.78
FRDM=     1.95  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.675    5401.2   1109.09   1100.00   1075.95     1.00     60.0    5401.2    5401.2       0.0       0.0

TT =    1.7000          DTH =  0.0250          ITERR =    1
QU(1) =     5331.05     YU(1) =     1109.01  QU(N) =     536.25  YU(N) =     844.78
FRDM=     1.98  IIFR=  112  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.700    5331.1   1109.01   1100.00   1075.94     1.00     60.0    5331.1    5331.1       0.0       0.0
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```
TT =    1.7250          DTH =  0.0250          ITERR =    1
QU(1) =     5260.52     YU(1) =     1108.94  QU(N) =      536.45  YU(N) =      844.78
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.725    5260.5   1108.94   1100.00   1075.93      1.00     60.0     5260.5    5260.5       0.0       0.0

TT =    1.7500          DTH =  0.0250          ITERR =    1
QU(1) =     5189.66     YU(1) =     1108.86  QU(N) =      537.11  YU(N) =      844.78
FRDM=    1.95  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.750    5189.7   1108.86   1100.00   1075.92      1.00     60.0     5189.7    5189.7       0.0       0.0

TT =    1.7750          DTH =  0.0250          ITERR =    0
QU(1) =     5118.74     YU(1) =     1108.78  QU(N) =      537.85  YU(N) =      844.78
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.775    5118.7   1108.78   1100.00   1075.91      1.00     60.0     5118.7    5118.7       0.0       0.0

TT =    1.8000          DTH =  0.0250          ITERR =    1
QU(1) =     5048.17     YU(1) =     1108.70  QU(N) =      538.60  YU(N) =      844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.800    5048.2   1108.70   1100.00   1075.90      1.00     60.0     5048.2    5048.2       0.0       0.0
```

```
TT =    1.8250          DTH =  0.0250          ITERR =    1
QU(1) =     4977.79     YU(1) =     1108.62  QU(N) =     543.39  YU(N) =     844.78
FRDM=    1.92  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     1.825     4977.8   1108.62   1100.00   1075.89      1.00      60.0    4977.8    4977.8       0.0       0.0

TT =    1.8500          DTH =  0.0250          ITERR =    0
QU(1) =     4907.73     YU(1) =     1108.55  QU(N) =     550.06  YU(N) =     844.78
FRDM=    1.95  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.850     4907.7   1108.55   1100.00   1075.88      1.00      60.0    4907.7    4907.7       0.0       0.0

TT =    1.8750          DTH =  0.0250          ITERR =    1
QU(1) =     4837.81     YU(1) =     1108.47  QU(N) =     557.57  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     1.875     4837.8   1108.47   1100.00   1075.87      1.00      60.0    4837.8    4837.8       0.0       0.0

TT =    1.9000          DTH =  0.0250          ITERR =    1
QU(1) =     4768.10     YU(1) =     1108.39  QU(N) =     564.86  YU(N) =     844.78
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.900     4768.1   1108.39   1100.00   1075.86      1.00      60.0    4768.1    4768.1       0.0       0.0
```

```
TT =    1.9250          DTH =  0.0250          ITERR =   0
QU(1) =    4698.72     YU(1) =    1108.31  QU(N) =     572.09  YU(N) =     844.78
FRDM=    1.95  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     1.925     4698.7   1108.31   1100.00   1075.85      1.00      60.0     4698.7    4698.7       0.0      0.0

TT =    1.9500          DTH =  0.0250          ITERR =   1
QU(1) =    4629.49     YU(1) =    1108.23  QU(N) =     579.16  YU(N) =     844.78
FRDM=    1.98  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.950     4629.5   1108.23   1100.00   1075.84      1.00      60.0     4629.5    4629.5       0.0      0.0

TT =    1.9750          DTH =  0.0250          ITERR =   0
QU(1) =    4560.54     YU(1) =    1108.15  QU(N) =     586.12  YU(N) =     844.79
FRDM=    1.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     1.975     4560.5   1108.15   1100.00   1075.83      1.00      60.0     4560.5    4560.5       0.0      0.0

TT =    2.0000          DTH =  0.0250          ITERR =   0
QU(1) =    4491.80     YU(1) =    1108.07  QU(N) =     592.43  YU(N) =     844.79
FRDM=    2.01  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     2.000     4491.8   1108.07   1100.00   1075.82      1.00      60.0     4491.8    4491.8       0.0      0.0
```

```
TT =    2.0250          DTH =  0.0250          ITERR =    1
GU(1) =    4423.46     YU(1) =    1107.99  GU(N) =     598.28  YU(N) =     844.79
FRDM=    1.97  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.025     4423.5    1107.99   1100.00   1075.81      1.00      60.0    4423.5    4423.5       0.0       0.0

TT =    2.0500          DTH =  0.0250          ITERR =    0
GU(1) =    4355.76     YU(1) =    1107.91  GU(N) =     604.12  YU(N) =     844.79
FRDM=    1.94  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.050     4355.8    1107.91   1100.00   1075.80      1.00      60.0    4355.8    4355.8       0.0       0.0

TT =    2.0750          DTH =  0.0250          ITERR =    1
GU(1) =    4288.71     YU(1) =    1107.83  GU(N) =     609.01  YU(N) =     844.79
FRDM=    2.04  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.075     4288.7    1107.83   1100.00   1075.79      1.00      60.0    4288.7    4288.7       0.0       0.0

TT =    2.1000          DTH =  0.0250          ITERR =    0
GU(1) =    4222.35     YU(1) =    1107.76  GU(N) =     613.99  YU(N) =     844.79
FRDM=    1.91  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.100     4222.4    1107.76   1100.00   1075.78      1.00      60.0    4222.4    4222.4       0.0       0.0
```

```
TT =   2.1250          DTH =  0.0250          ITERR =   1
QU(1) =    4156.59     YU(1) =    1107.68  QU(N) =     618.14  YU(N) =     844.79
FRDM=    0.69  IIFR=    4  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.125    4156.6   1107.68   1100.00   1075.77      1.00      60.0    4156.6    4156.6       0.0      0.0

TT =   2.1500          DTH =  0.0250          ITERR =   0
QU(1) =    4091.51     YU(1) =    1107.60  QU(N) =     622.07  YU(N) =     844.79
FRDM=    0.69  IIFR=    4  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.150    4091.5   1107.60   1100.00   1075.76      1.00      60.0    4091.5    4091.5       0.0      0.0

TT =   2.1750          DTH =  0.0250          ITERR =   1
QU(1) =    4027.02     YU(1) =    1107.52  QU(N) =     625.12  YU(N) =     844.79
FRDM=    0.70  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    2.175    4027.0   1107.52   1100.00   1075.75      1.00      60.0    4027.0    4027.0       0.0      0.0

TT =   2.2000          DTH =  0.0250          ITERR =   0
QU(1) =    3963.20     YU(1) =    1107.44  QU(N) =     628.14  YU(N) =     844.79
FRDM=    0.73  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.200    3963.2   1107.44   1100.00   1075.74      1.00      60.0    3963.2    3963.2       0.0      0.0
```

```
TT =    2.2250          DTH =  0.0250          ITERR =   0
GU(1) =     3900.12     YU(1) =     1107.37  GU(N) =     630.42  YU(N) =     844.79
FRDM=    0.78  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.225     3900.1    1107.37   1100.00   1075.73      1.00     60.0    3900.1    3900.1       0.0       0.0

TT =    2.2500          DTH =  0.0250          ITERR =   0
GU(1) =     3837.61     YU(1) =     1107.29  GU(N) =     632.43  YU(N) =     844.79
FRDM=    0.79  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.250     3837.6    1107.29   1100.00   1075.73      1.00     60.0    3837.6    3837.6       0.0       0.0

TT =    2.2750          DTH =  0.0250          ITERR =   0
GU(1) =     3775.80     YU(1) =     1107.21  GU(N) =     634.35  YU(N) =     844.79
FRDM=    0.81  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.275     3775.8    1107.21   1100.00   1075.72      1.00     60.0    3775.8    3775.8       0.0       0.0

TT =    2.3000          DTH =  0.0250          ITERR =   0
GU(1) =     3714.68     YU(1) =     1107.14  GU(N) =     636.06  YU(N) =     844.80
FRDM=    0.82  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.300     3714.7    1107.14   1100.00   1075.71      1.00     60.0    3714.7    3714.7       0.0       0.0
```

```
TT =    2.3250          DTH =  0.0250          ITERR =    0
QU(1) =     3654.23     YU(1) =     1107.06  QU(N) =      637.41  YU(N) =      844.80
FRDM=    0.83  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.325     3654.2   1107.06   1100.00   1075.70      1.00      60.0     3654.2    3654.2       0.0       0.0

TT =    2.3500          DTH =  0.0250          ITERR =    0
QU(1) =     3594.44     YU(1) =     1106.99  QU(N) =      638.94  YU(N) =      844.80
FRDM=    0.84  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.350     3594.4   1106.99   1100.00   1075.69      1.00      60.0     3594.4    3594.4       0.0       0.0

TT =    2.3750          DTH =  0.0250          ITERR =    0
QU(1) =     3535.30     YU(1) =     1106.91  QU(N) =      639.85  YU(N) =      844.80
FRDM=    0.85  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.375     3535.3   1106.91   1100.00   1075.68      1.00      60.0     3535.3    3535.3       0.0       0.0

TT =    2.4000          DTH =  0.0250          ITERR =    0
QU(1) =     3476.81     YU(1) =     1106.84  QU(N) =      640.86  YU(N) =      844.80
FRDM=    0.85  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.400     3476.8   1106.84   1100.00   1075.67      1.00      60.0     3476.8    3476.8       0.0       0.0
```

```
TT =    2.4250          DTH =  0.0250          ITERR =    0
GU(1) =    3418.97     YU(1) =    1106.77  QU(N) =     641.57  YU(N) =     844.80
FRDM=    0.85  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.425     3419.0   1106.77   1100.00   1075.66      1.00      60.0    3419.0    3419.0       0.0       0.0

TT =    2.4500          DTH =  0.0250          ITERR =    0
GU(1) =    3361.76     YU(1) =    1106.69  QU(N) =     642.44  YU(N) =     844.80
FRDM=    0.86  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.450     3361.8   1106.69   1100.00   1075.65      1.00      60.0    3361.8    3361.8       0.0       0.0

TT =    2.4750          DTH =  0.0250          ITERR =    0
GU(1) =    3305.19     YU(1) =    1106.62  QU(N) =     642.93  YU(N) =     844.80
FRDM=    0.86  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.475     3305.2   1106.62   1100.00   1075.64      1.00      60.0    3305.2    3305.2       0.0       0.0

TT =    2.5000          DTH =  0.0250          ITERR =    0
GU(1) =    3249.26     YU(1) =    1106.55  QU(N) =     643.43  YU(N) =     844.80
FRDM=    0.86  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.500     3249.3   1106.55   1100.00   1075.63      1.00      60.0    3249.3    3249.3       0.0       0.0
```

```
TT =   2.5250          DTH =  0.0250          ITERR =   0
QU(1) =    3193.96     YU(1) =    1106.47  QU(N) =     643.85  YU(N) =     844.80
FRDM=    0.87  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.525    3194.0   1106.47   1100.00   1075.62    1.00     60.0    3194.0    3194.0       0.0      0.0

TT =   2.5500          DTH =  0.0250          ITERR =   0
QU(1) =    3139.31     YU(1) =    1106.40  QU(N) =     643.81  YU(N) =     844.80
FRDM=    0.87  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.550    3139.3   1106.40   1100.00   1075.61    1.00     60.0    3139.3    3139.3       0.0      0.0

TT =   2.5750          DTH =  0.0250          ITERR =   0
QU(1) =    3085.37     YU(1) =    1106.33  QU(N) =     643.80  YU(N) =     844.80
FRDM=    0.87  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.575    3085.4   1106.33   1100.00   1075.60    1.00     60.0    3085.4    3085.4       0.0      0.0

TT =   2.6000          DTH =  0.0250          ITERR =   0
QU(1) =    3032.04     YU(1) =    1106.26  QU(N) =     643.54  YU(N) =     844.80
FRDM=    0.87  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    2.600    3032.0   1106.26   1100.00   1075.60    1.00     60.0    3032.0    3032.0       0.0      0.0
```

```
TT =    2.6250          DTH =   0.0250          ITERR =    0
QU(1) =     2979.32     YU(1) =     1106.19  QU(N) =     643.42  YU(N) =     844.80
FRDM=    0.88  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     2.625    2979.3   1106.19   1100.00   1075.59      1.00      60.0    2979.3    2979.3       0.0      0.0

TT =    2.6500          DTH =   0.0250          ITERR =    0
QU(1) =     2927.21     YU(1) =     1106.12  QU(N) =     643.19  YU(N) =     844.80
FRDM=    0.88  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     2.650    2927.2   1106.12   1100.00   1075.58      1.00      60.0    2927.2    2927.2       0.0      0.0

TT =    2.6750          DTH =   0.0250          ITERR =    0
QU(1) =     2875.71     YU(1) =     1106.05  QU(N) =     642.80  YU(N) =     844.80
FRDM=    0.88  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     2.675    2875.7   1106.05   1100.00   1075.57      1.00      60.0    2875.7    2875.7       0.0      0.0

TT =    2.7000          DTH =   0.0250          ITERR =    0
QU(1) =     2824.89     YU(1) =     1105.98  QU(N) =     642.49  YU(N) =     844.80
FRDM=    0.89  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     2.700    2824.9   1105.98   1100.00   1075.56      1.00      60.0    2824.9    2824.9       0.0      0.0
```

```
TT =    2.7250          DTH =  0.0250          ITERR =   0
QU(1) =     2774.67     YU(1) =     1105.91  QU(N) =     642.11  YU(N) =     844.80
FRDM=    0.89  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.725     2774.7   1105.91   1100.00   1075.55      1.00      60.0    2774.7    2774.7       0.0       0.0

TT =   2.7500          DTH =  0.0250          ITERR =   0
QU(1) =     2725.04     YU(1) =     1105.84  QU(N) =     641.53  YU(N) =     844.80
FRDM=    0.90  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.750     2725.0   1105.84   1100.00   1075.54      1.00      60.0    2725.0    2725.0       0.0       0.0

TT =    2.7750          DTH =  0.0250          ITERR =   0
QU(1) =     2676.00     YU(1) =     1105.77  QU(N) =     641.09  YU(N) =     844.80
FRDM=    0.90  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.775     2676.0   1105.77   1100.00   1075.53      1.00      60.0    2676.0    2676.0       0.0       0.0

TT =   2.8000          DTH =  0.0250          ITERR =   0
QU(1) =     2627.54     YU(1) =     1105.70  QU(N) =     640.55  YU(N) =     844.80
FRDM=    0.90  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.800     2627.5   1105.70   1100.00   1075.52      1.00      60.0    2627.5    2627.5       0.0       0.0
```

```
TT =    2.8250          DTH =  0.0250          ITERR =   0
QU(1) =     2579.65     YU(1) =     1105.63  QU(N) =     640.08  YU(N) =     844.80
FRDM=    0.91  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.825    2579.7   1105.63   1100.00   1075.52      1.00     60.0     2579.7    2579.7       0.0       0.0

TT =    2.8500          DTH =  0.0250          ITERR =   1
QU(1) =     2532.30     YU(1) =     1105.57  QU(N) =     639.83  YU(N) =     844.80
FRDM=    0.91  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.850    2532.3   1105.57   1100.00   1075.51      1.00     60.0     2532.3    2532.3       0.0       0.0

TT =    2.8750          DTH =  0.0250          ITERR =   0
QU(1) =     2485.53     YU(1) =     1105.50  QU(N) =     639.19  YU(N) =     844.80
FRDM=    0.92  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.875    2485.5   1105.50   1100.00   1075.50      1.00     60.0     2485.5    2485.5       0.0       0.0

TT =    2.9000          DTH =  0.0250          ITERR =   0
QU(1) =     2439.36     YU(1) =     1105.43  QU(N) =     638.81  YU(N) =     844.80
FRDM=    0.92  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    2.900    2439.4   1105.43   1100.00   1075.49      1.00     60.0     2439.4    2439.4       0.0       0.0
```

```
TT =    2.9250          DTH =  0.0250          ITERR =   0
QU(1) =    2393.76     YU(1) =    1105.37  QU(N) =     638.51  YU(N) =     844.80
FRDM=    0.92  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.925     2393.8    1105.37   1100.00   1075.48      1.00      60.0    2393.8    2393.8       0.0       0.0

TT =    2.9500          DTH =  0.0250          ITERR =   0
QU(1) =    2348.71     YU(1) =    1105.30  QU(N) =     638.15  YU(N) =     844.80
FRDM=    0.93  IIFR=  112  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.950     2348.7    1105.30   1100.00   1075.47      1.00      60.0    2348.7    2348.7       0.0       0.0

TT =    2.9750          DTH =  0.0250          ITERR =   0
QU(1) =    2304.23     YU(1) =    1105.23  QU(N) =     637.81  YU(N) =     844.80
FRDM=    0.93  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.975     2304.2    1105.23   1100.00   1075.46      1.00      60.0    2304.2    2304.2       0.0       0.0

TT =    3.0000          DTH =  0.0250          ITERR =   0
QU(1) =    2260.29     YU(1) =    1105.17  QU(N) =     637.55  YU(N) =     844.80
FRDM=    0.94  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.000     2260.3    1105.17   1100.00   1075.46      1.00      60.0    2260.3    2260.3       0.0       0.0
```

```
TT =    3.0250          DTH =   0.0250          ITERR =    0
QU(1) =     2216.93     YU(1) =     1105.10  QU(N) =     637.87  YU(N) =     844.80
FRDM=     0.94  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    0    3.025    2216.9   1105.10   1100.00   1075.45      1.00      60.0    2216.9    2216.9      0.0      0.0

TT =    3.0500          DTH =   0.0250          ITERR =    0
QU(1) =     2174.21     YU(1) =     1105.04  QU(N) =     638.56  YU(N) =     844.80
FRDM=     0.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    0    3.050    2174.2   1105.04   1100.00   1075.44      1.00      60.0    2174.2    2174.2      0.0      0.0

TT =    3.0750          DTH =   0.0250          ITERR =    0
QU(1) =     2132.03     YU(1) =     1104.98  QU(N) =     638.79  YU(N) =     844.80
FRDM=     0.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    0    3.075    2132.0   1104.98   1100.00   1075.43      1.00      60.0    2132.0    2132.0      0.0      0.0

TT =    3.1000          DTH =   0.0250          ITERR =    0
QU(1) =     2090.39     YU(1) =     1104.91  QU(N) =     634.58  YU(N) =     844.80
FRDM=     0.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP    QOTHR
1    0    3.100    2090.4   1104.91   1100.00   1075.42      1.00      60.0    2090.4    2090.4      0.0      0.0
```

```
TT =    3.1250          DTH =  0.0250          ITERR =   0
QU(1) =     2049.37     YU(1) =     1104.85  QU(N) =     630.49  YU(N) =     844.79
FRDM=    0.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.125     2049.4    1104.85   1100.00   1075.41      1.00     60.0    2049.4    2049.4       0.0       0.0

TT =    3.1500          DTH =  0.0250          ITERR =   0
QU(1) =     2008.87     YU(1) =     1104.79  QU(N) =     638.61  YU(N) =     844.80
FRDM=    0.97  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.150     2008.9    1104.79   1100.00   1075.41      1.00     60.0    2008.9    2008.9       0.0       0.0

TT =    3.1750          DTH =  0.0250          ITERR =   0
QU(1) =     1968.97     YU(1) =     1104.72  QU(N) =     665.08  YU(N) =     844.80
FRDM=    0.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.175     1969.0    1104.72   1100.00   1075.40      1.00     60.0    1969.0    1969.0       0.0       0.0

TT =    3.2000          DTH =  0.0250          ITERR =   0
QU(1) =     1929.59     YU(1) =     1104.66  QU(N) =     691.85  YU(N) =     844.80
FRDM=    0.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.200     1929.6    1104.66   1100.00   1075.39      1.00     60.0    1929.6    1929.6       0.0       0.0
```

```
TT =    3.2250          DTH =   0.0250          ITERR =    0
GU(1) =     1890.81     YU(1) =     1104.60  GU(N) =     708.58  YU(N) =     844.81
FRDM=    0.99  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP    QOTHR
1    0     3.250    1890.8    1104.60   1100.00   1075.38      1.00      60.0    1890.8    1890.8       0.0      0.0

TT =    3.2500          DTH =   0.0250          ITERR =    0
GU(1) =     [illegible]  YU(1) =     1104.54  GU(N) =     778.90  YU(N) =     844.82
FRDM=    0.99  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP    QOTHR
1    0     3.250    1852.5    1104.54   1100.00   1075.37      1.00      60.0    1852.5    1852.5       0.0      0.0

TT =    3.2750          DTH =   0.0250          ITERR =    0
GU(1) =     1814.76     YU(1) =     1104.48  GU(N) =     1187.01  YU(N) =     844.88
FRDM=    1.00  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP    QOTHR
1    0     3.275    1814.8    1104.48   1100.00   1075.36      1.00      60.0    1814.8    1814.8       0.0      0.0

TT =    3.3000          DTH =   0.0250          ITERR =    0
GU(1) =     1777.57     YU(1) =     1104.42  GU(N) =     2504.26  YU(N) =     845.01
FRDM=    1.01  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      G(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP    QOTHR
1    0     3.300    1777.6    1104.42   1100.00   1075.36      1.00      60.0    1777.6    1777.6       0.0      0.0
```

```
TT =    3.3250          DTH =  0.0250          ITERR =   0
QU(1) =     1740.88     YU(1) =     1104.36  QU(N) =     3629.19  YU(N) =     845.06
FRDM=    1.01  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     3.325    1740.9    1104.36   1100.00   1075.35      1.00     60.0    1740.9    1740.9       0.0      0.0

TT =    3.3500          DTH =  0.0250          ITERR =   0
QU(1) =     1704.74     YU(1) =     1104.30  QU(N) =     4758.25  YU(N) =     845.12
FRDM=    1.02  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     3.350    1704.8    1104.30   1100.00   1075.34      1.00     60.0    1704.8    1704.8       0.0      0.0

TT =    3.3750          DTH =  0.0250          ITERR =   0
QU(1) =     1669.13     YU(1) =     1104.24  QU(N) =     5522.30  YU(N) =     845.16
FRDM=    1.02  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     3.375    1669.1    1104.24   1100.00   1075.33      1.00     60.0    1669.1    1669.1       0.0      0.0

TT =    3.4000          DTH =  0.0250          ITERR =   0
QU(1) =     1633.99     YU(1) =     1104.18  QU(N) =     5959.65  YU(N) =     845.18
FRDM=    1.03  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     3.400    1634.0    1104.18   1100.00   1075.33      1.00     60.0    1634.0    1634.0       0.0      0.0
```

```
TT =    3.4250          DTH =  0.0250          ITERR =    0
GU(1) =     1599.40     YU(1) =     1104.12  GU(N) =     6319.23  YU(N) =      845.19
FRDM=    1.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.425     1599.4    1104.12   1100.00   1075.32      1.00      60.0     1599.4    1599.4       0.0       0.0

TT =    3.4500          DTH =  0.0250          ITERR =    0
GU(1) =     1565.3      YU(1) =     1104.07  GU(N) =     6487.30  YU(N) =      845.20
FRDM=    1.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.450     1565.3    1104.07   1100.00   1075.31      1.00      60.0     1565.3    1565.3       0.0       0.0

TT =    3.4750          DTH =  0.0250          ITERR =    0
GU(1) =     1531.66     YU(1) =     1104.01  GU(N) =     6640.45  YU(N) =      845.21
FRDM=    1.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.475     1531.7    1104.01   1100.00   1075.30      1.00      60.0     1531.7    1531.7       0.0       0.0

TT =    3.5000          DTH =  0.0250          ITERR =    0
GU(1) =     1498.62     YU(1) =     1103.95  GU(N) =     6706.76  YU(N) =      845.21
FRDM=    1.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.500     1498.6    1103.95   1100.00   1075.29      1.00      60.0     1498.6    1498.6       0.0       0.0
```

```
TT =    3.5250          DTH =  0.0250          ITERR =   0
QU(1) =    1466.24     YU(1) =    1103.89  QU(N) =    6756.75  YU(N) =     845.21
FRDM=    1.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    [illegible]   1466.2   1103.89   1100.00   1075.29    1.00      60.0    1466.2    1466.2       0.0       0.0

TT =    [illegible]  DTH =  0.0250          ITERR =   0
QU(1) =    [illegible]  YU(1) =    1103.84  QU(N) =    6762.13  YU(N) =     845.21
FRDM=    1.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.550    1434.5   1103.84   1100.00   1075.28    1.00      60.0    1434.5    1434.5       0.0       0.0

TT =    3.5750          DTH =  0.0250          ITERR =   0
QU(1) =    1403.47     YU(1) =    1103.78  QU(N) =    6773.13  YU(N) =     845.21
FRDM=    1.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.575    1403.5   1103.78   1100.00   1075.27    1.00      60.0    1403.5    1403.5       0.0       0.0

TT =    3.6003          DTH =  0.0253          ITERR =   0
QU(1) =    1372.79     YU(1) =    1103.73  QU(N) =    6779.51  YU(N) =     845.21
FRDM=    1.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.600    1372.8   1103.73   1100.00   1075.26    1.00      60.0    1372.8    1372.8       0.0       0.0
```

TT = 3.6258 DTH = 0.0255 ITERR = 0
QU(1) = 1342.51 YU(1) = 1103.68 QU(N) = 6740.11 YU(N) = 845.21
FRDM= 1.09 IIFR= 112 FRM=0.00 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	[illegible]	[illegible]	1103.68	1100.00	1075.26	1.00	60.0	1342.5	1342.5	0.0	0.0

TT = 3.6515 DTH = 0.0259 ITERR = 0
QU(1) = 1312.60 YU(1) = 1103.62 QU(N) = 6712.15 YU(N) = 845.21
FRDM= 1.10 IIFR= 112 FRM=0.00 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.652	1312.6	1103.62	1100.00	1075.25	1.00	60.0	1312.6	1312.6	0.0	0.0

TT = 3.6775 DTH = 0.0260 ITERR = 0
QU(1) = 1283.08 YU(1) = 1103.57 QU(N) = 6678.75 YU(N) = 845.21
FRDM= 1.11 IIFR= 112 FRM=0.00 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.678	1283.1	1103.57	1100.00	1075.24	1.00	60.0	1283.1	1283.1	0.0	0.0

TT = 3.7036 DTH = 0.0269 ITERR = 0
QU(1) = 1253.93 YU(1) = 1103.51 QU(N) = 6642.55 YU(N) = 845.21
FRDM= 1.12 IIFR= 112 FRM=0.00 IIFM= 1

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.704	1253.9	1103.51	1100.00	1075.24	1.00	60.0	1253.9	1253.9	0.0	0.0

```
TT =    3.7303          DTH =  0.0265          ITERR =   0
QU(1) =     1225.16     YU(1) =     1103.46  QU(N) =     6602.31  YU(N) =     845.21
FRDM=    1.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.730     1225.2   1103.46   1100.00   1075.23      1.00      60.0    1225.2    1225.2       0.0       0.0

TT =    3.[illegible]          DTH =  0.0268          ITERR =   0
QU(1) =     [illegible]  YU(1) =     1103.41  QU(N) =     6560.20  YU(N) =     845.21
FRDM=    1.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.757     1196.8   1103.41   1100.00   1075.22      1.00      60.0    1196.8    1196.8       0.0       0.0

TT =    3.7842          DTH =  0.0271          ITERR =   0
QU(1) =     1168.82     YU(1) =     1103.36  QU(N) =     6514.16  YU(N) =     845.20
FRDM=    1.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.784     1168.8   1103.36   1100.00   1075.21      1.00      60.0    1168.8    1168.8       0.0       0.0

TT =    3.8116          DTH =  0.0273          ITERR =   0
QU(1) =     1141.29     YU(1) =     1103.30  QU(N) =     6466.90  YU(N) =     845.20
FRDM=    1.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.812     1141.3   1103.30   1100.00   1075.21      1.00      60.0    1141.3    1141.3       0.0       0.0
```

```
TT =    3.8392          DTH =  0.0276          ITERR =    0
GU(1) =     1114.14     YU(1) =     1103.25  GU(N) =     6418.65  YU(N) =     845.20
FRDM=    1.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.839    1114.1    1103.25   1100.00   1075.20      1.00      60.0    1114.1    1114.1       0.0       0.0

TT =    3.8[illegible]  DTH =  0.0279          ITERR =    0
GU(1) =     [illegible]  YU(1) =     1103.20  GU(N) =     6368.54  YU(N) =     845.20
FRDM=    1.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.867    1087.4    1103.20   1100.00   1075.19      1.00      60.0    1087.4    1087.4       0.0       0.0

TT =    3.8952          DTH =  0.0282          ITERR =    0
GU(1) =     1061.11     YU(1) =     1103.15  GU(N) =     6318.08  YU(N) =     845.20
FRDM=    1.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.895    1061.1    1103.15   1100.00   1075.19      1.00      60.0    1061.1    1061.1       0.0       0.0

TT =    3.9237          DTH =  0.0285          ITERR =    0
GU(1) =     1035.30     YU(1) =     1103.10  GU(N) =     6265.28  YU(N) =     845.19
FRDM=    1.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.924    1035.3    1103.10   1100.00   1075.18      1.00      60.0    1035.3    1035.3       0.0       0.0
```

```
TT =    3.9524          DTH =   0.0287          ITERR =    0
QU(1) =     1009.89     YU(1) =     1103.05  QU(N) =     6212.89  YU(N) =     845.19
FRDM=    1.20  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.952     1009.9   1103.05   1100.00   1075.17      1.00      60.0    1009.9    1009.9       0.0       0.0

TT =    3.9815          DTH =   0.0290          ITERR =    0
QU(1) =     984.91      YU(1) =     1103.00  QU(N) =     6158.03  YU(N) =     845.19
FRDM=    1.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     3.981      984.9   1103.00   1100.00   1075.17      1.00      60.0     984.9     984.9       0.0       0.0

TT =    4.0108          DTH =   0.0293          ITERR =    0
QU(1) =     960.39      YU(1) =     1102.95  QU(N) =     6102.75  YU(N) =     845.19
FRDM=    1.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.011      960.4   1102.95   1100.00   1075.16      1.00      60.0     960.4     960.4       0.0       0.0

TT =    4.0404          DTH =   0.0296          ITERR =    0
QU(1) =     936.33      YU(1) =     1102.90  QU(N) =     6046.47  YU(N) =     845.18
FRDM=    1.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     4.040      936.3   1102.90   1100.00   1075.15      1.00      60.0     936.3     936.3       0.0       0.0
```

```
TT =    4.0703          DTH =  0.0299          ITERR =    0
GU(1) =      912.73     YU(1) =     1102.85  GU(N) =     5990.28  YU(N) =      845.18
FRDM=    1.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.070      912.7   1102.85   1100.00   1075.14      1.00      60.0      912.7     912.7       0.0       0.0

TT =    4.1[illegible]          DTH =  0.0302          ITERR =    0
GU(1) =      [illegible]     YU(1) =     1102.80  GU(N) =     5931.88  YU(N) =      845.18
FRDM=    1.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.100      889.6   1102.80   1100.00   1075.14      1.00      60.0      889.6     889.6       0.0       0.0

TT =    4.1310          DTH =  0.0305          ITERR =    0
GU(1) =      866.89     YU(1) =     1102.76  GU(N) =     5872.72  YU(N) =      845.18
FRDM=    1.26  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.131      866.9   1102.76   1100.00   1075.13      1.00      60.0      866.9     866.9       0.0       0.0

TT =    4.1618          DTH =  0.0308          ITERR =    0
GU(1) =      844.64     YU(1) =     1102.71  GU(N) =     5812.86  YU(N) =      845.17
FRDM=    1.27  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.162      844.6   1102.71   1100.00   1075.13      1.00      60.0      844.6     844.6       0.0       0.0
```

```
TT =    4.1929          DTH =  0.0311          ITERR =    0
QU(1) =      822.83     YU(1) =     1102.66  QU(N) =     5750.44  YU(N) =      845.17
FRDM=    1.29  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.1929     822.8   1102.66   1100.00   1075.12      1.00      60.0     822.8     822.8       0.0       0.0

TT =    4.2242          DTH =  0.0318          ITERR =    0
QU(1) =      801.31     YU(1) =     1102.62  QU(N) =     5609.08  YU(N) =      845.17
FRDM=    1.30  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.224      801.5   1102.62   1100.00   1075.11      1.00      60.0     801.5     801.5       0.0       0.0

TT =    4.2561          DTH =  0.0317          ITERR =    0
QU(1) =      780.62     YU(1) =     1102.57  QU(N) =     5625.26  YU(N) =      845.17
FRDM=    1.31  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.256      780.6   1102.57   1100.00   1075.11      1.00      60.0     780.6     780.6       0.0       0.0

TT =    4.2881          DTH =  0.0321          ITERR =    0
QU(1) =      760.20     YU(1) =     1102.53  QU(N) =     5562.17  YU(N) =      845.16
FRDM=    1.32  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.288      760.2   1102.53   1100.00   1075.10      1.00      60.0     760.2     760.2       0.0       0.0
```

```
TT =    4.3205          DTH =  0.0324          ITERR =    0
QU(1) =      740.26     YU(1) =     1102.48  QU(N) =     5496.68  YU(N) =      845.16
FRDM=    1.32  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.321      740.3   1102.48   1100.00   1075.09      1.00      60.0      740.3     740.3       0.0       0.0

TT =    4.3532          DTH =  0.0327          ITERR =    0
QU(1) =      720.78     YU(1) =     1102.44  QU(N) =     5432.38  YU(N) =      845.16
FRDM=    1.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.353      720.8   1102.44   1100.00   1075.09      1.00      60.0      720.8     720.8       0.0       0.0

TT =    4.3863          DTH =  0.0330          ITERR =    0
QU(1) =      701.75     YU(1) =     1102.40  QU(N) =     5366.06  YU(N) =      845.15
FRDM=    1.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.386      701.8   1102.40   1100.00   1075.08      1.00      60.0      701.8     701.8       0.0       0.0

TT =    4.4196          DTH =  0.0334          ITERR =    0
QU(1) =      683.18     YU(1) =     1102.36  QU(N) =     5300.05  YU(N) =      845.15
FRDM=    1.37  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.420      683.2   1102.36   1100.00   1075.08      1.00      60.0      683.2     683.2       0.0       0.0
```

```
TT =    4.4533          DTH =   0.0337          ITERR =    0
QU(1) =      665.11     YU(1) =     1102.31  QU(N) =     5233.98  YU(N) =      845.15
FRDM=    1.38  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.453      665.1   1102.31   1100.00   1075.07      1.00      60.0     665.1     665.1       0.0       0.0

TT =    4.4874          DTH =   0.0340          ITERR =    0
QU(1) =      647.47     YU(1) =     1102.27  QU(N) =     5167.89  YU(N) =      845.14
FRDM=    1.40  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.487      647.5   1102.27   1100.00   1075.06      1.00      60.0     647.5     647.5       0.0       0.0

TT =    4.5217          DTH =   0.0344          ITERR =    0
QU(1) =      630.32     YU(1) =     1102.23  QU(N) =     5103.72  YU(N) =      845.14
FRDM=    1.41  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.522      630.3   1102.23   1100.00   1075.06      1.00      60.0     630.3     630.3       0.0       0.0

TT =    4.5564          DTH =   0.0347          ITERR =    0
QU(1) =      613.61     YU(1) =     1102.19  QU(N) =     5036.39  YU(N) =      845.14
FRDM=    1.43  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.556      613.6   1102.19   1100.00   1075.05      1.00      60.0     613.6     613.6       0.0       0.0
```

```
TT =    4.5915          DTH =  0.0351          ITERR =    0
QU(1) =      597.37     YU(1) =     1102.16  QU(N) =     4968.95  YU(N) =      845.13
FRDM=     1.44  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.592      597.4   1102.16   1100.00   1075.05      1.00     60.0     597.4     597.4       0.0       0.0

TT =    4.6269          DTH =  0.0354          ITERR =    0
QU(1) =      581.64     YU(1) =     1102.12  QU(N) =     4900.96  YU(N) =      845.13
FRDM=     1.46  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.627      581.6   1102.12   1100.00   1075.04      1.00     60.0     581.6     581.6       0.0       0.0

TT =    4.6627          DTH =  0.0358          ITERR =    0
QU(1) =      566.35     YU(1) =     1102.08  QU(N) =     4833.55  YU(N) =      845.13
FRDM=     1.47  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.663      566.4   1102.08   1100.00   1075.04      1.00     60.0     566.4     566.4       0.0       0.0

TT =    4.6988          DTH =  0.0361          ITERR =    0
QU(1) =      551.52     YU(1) =     1102.05  QU(N) =     4766.95  YU(N) =      845.13
FRDM=     1.49  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.699      551.5   1102.05   1100.00   1075.03      1.00     60.0     551.5     551.5       0.0       0.0
```

```
TT =    4.7353          DTH =  0.0365          ITERR =    0
QU(1) =      537.16     YU(1) =     1102.01  QU(N) =     4699.58  YU(N) =      845.12
FRDM=    1.50  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.738      537.2   1102.01   1100.00   1075.03      1.00      60.0      537.2     537.2       0.0       0.0

TT =    4.7722          DTH =  0.0369          ITERR =    0
QU(1) =      523.24     YU(1) =     1101.98  QU(N) =     4631.95  YU(N) =      845.12
FRDM=    1.52  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.772      523.2   1101.98   1100.00   1075.02      1.00      60.0      523.2     523.2       0.0       0.0

TT =    4.8094          DTH =  0.0372          ITERR =    0
QU(1) =      509.78     YU(1) =     1101 94  QU(N) =     4564.96  YU(N) =      845.12
FRDM=    1.54  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.809      509.8   1101.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    4.8470          DTH =  0.0376          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.91  QU(N) =     4496.12  YU(N) =      845.11
FRDM=    1.56  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.847      509.8   1101.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    4.8849          DTH =  0.0380          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.88  QU(N) =     4428.55  YU(N) =      845.11
FRDM=     1.58  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.885      509.8   1101.88   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    4.9233          DTH =  0.0383          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.84  QU(N) =     4361.93  YU(N) =      845.11
FRDM=     1.60  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.923      509.8   1101.84   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    4.9620          DTH =  0.0387          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.81  QU(N) =     4294.01  YU(N) =      845.10
FRDM=     1.62  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.962      509.8   1101.81   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    5.0012          DTH =  0.0391          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.78  QU(N) =     4229.01  YU(N) =      845.10
FRDM=     1.65  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.001      509.8   1101.78   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    5.0407          DTH =  0.0395          ITERR =   0
QU(1) =     509.78     YU(1) =     1101.74  QU(N) =     4161.93  YU(N) =     845.09
FRDM=    1.67  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.041      509.8   1101.74   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =    5.0804          DTH =  0.0399          ITERR =   0
QU(1) =     509.78     YU(1) =     1101.71  QU(N) =     4096.51  YU(N) =     845.09
FRDM=    1.69  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.081      509.8   1101.71   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =    5.1209          DTH =  0.0403          ITERR =   0
QU(1) =     509.78     YU(1) =     1101.67  QU(N) =     4030.83  YU(N) =     845.09
FRDM=    1.71  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.121      509.8   1101.67   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =    5.1616          DTH =  0.0407          ITERR =   0
QU(1) =     509.78     YU(1) =     1101.64  QU(N) =     3965.10  YU(N) =     845.08
FRDM=    1.74  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.162      509.8   1101.64   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0
```

```
TT =    5.2027          DTH =   0.0411          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.60  QU(N) =     3898.59  YU(N) =      845.08
FRDM=     1.76  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.203      509.8   1101.60   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.2442          DTH =   0.0415          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.57  QU(N) =     3831.83  YU(N) =      845.08
FRDM=     1.79  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.244      509.8   1101.57   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.2862          DTH =   0.0419          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.53  QU(N) =     3764.78  YU(N) =      845.07
FRDM=     1.81  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.286      509.8   1101.53   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.3285          DTH =   0.0424          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.50  QU(N) =     3698.00  YU(N) =      845.07
FRDM=     1.83  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.329      509.8   1101.50   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    5.3713          DTH =   0.0428          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.46  QU(N) =     3635.73  YU(N) =      845.07
FRDM=    1.86  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.371     509.8   1101.46   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =    5.4145          DTH =   0.0432          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.43  QU(N) =     3570.62  YU(N) =      845.06
FRDM=    1.88  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.415     509.8   1101.43   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =    5.4582          DTH =   0.0436          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.39  QU(N) =     3504.01  YU(N) =      845.06
FRDM=    1.91  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.458     509.8   1101.39   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =    5.5023          DTH =   0.0441          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.35  QU(N) =     3438.34  YU(N) =      845.06
FRDM=    1.93  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.502     509.8   1101.35   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    5.5468          DTH =   0.0445          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.32  QU(N) =     3373.54  YU(N) =      845.05
FRDM=    1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.547      509.8   1101.32   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    5.5917          DTH =   0.0450          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.28  QU(N) =     3310.08  YU(N) =      845.05
FRDM=    1.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.592      509.8   1101.28   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    5.6372          DTH =   0.0454          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.24  QU(N) =     3247.16  YU(N) =      845.05
FRDM=    2.01  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.637      509.8   1101.24   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    5.6830          DTH =   0.0459          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.20  QU(N) =     3185.08  YU(N) =      845.04
FRDM=    2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.683      509.8   1101.20   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =    5.7294          DTH =   0.0463          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.17  QU(N) =     3124.73  YU(N) =      845.04
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.729     509.8   1101.17   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.7762          DTH =   0.0468          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.13  QU(N) =     3064.49  YU(N) =      845.04
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.776     509.8   1101.13   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.8234          DTH =   0.0473          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.09  QU(N) =     3004.68  YU(N) =      845.03
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.823     509.8   1101.09   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.8712          DTH =   0.0477          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.05  QU(N) =     2945.41  YU(N) =      845.03
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.871     509.8   1101.05   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    5.9194          DTH =   0.0482          ITERR =    0
QU(1) =      509.78     YU(1) =     1101.01  QU(N) =     2885.48  YU(N) =      845.03
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.918      509.8   1101.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    5.9481          DTH =   0.0497          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.97  QU(N) =     2825.93  YU(N) =      845.02
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.968      509.8   1100.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.0172          DTH =   0.0492          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.93  QU(N) =     2766.23  YU(N) =      845.02
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.017      509.8   1100.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.0669          DTH =   0.0497          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.89  QU(N) =     2706.91  YU(N) =      845.02
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.067      509.8   1100.89   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    6.1171          DTH =   0.0502          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.84  QU(N) =     2647.50  YU(N) =      845.01
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.117     509.8   1100.84   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    6.1678          DTH =   0.0397          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.80  QU(N) =     2586.49  YU(N) =      845.01
FRDM=     2.27  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.168     509.8   1100.80   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    6.2189          DTH =   0.0512          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.76  QU(N) =     2531.15  YU(N) =      845.01
FRDM=     2.28  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.219     509.8   1100.76   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    6.2706          DTH =   0.0517          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.71  QU(N) =     2474.77  YU(N) =      845.00
FRDM=     2.30  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.271     509.8   1100.71   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    6.3228          DTH =   0.0522          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.66  QU(N) =     2420.09  YU(N) =      845.00
FRDM=     2.31  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)   QBRECH   QOVTOP   QOTHR
1    0     6.323      509.8   1100.66   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =    6.3756          DTH =   0.0527          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.61  QU(N) =     2365.84  YU(N) =      844.99
FRDM=     2.32  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)   QBRECH   QOVTOP   QOTHR
1    0     6.376      509.8   1100.61   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =    6.4288          DTH =   0.0533          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.56  QU(N) =     2310.76  YU(N) =      844.99
FRDM=     2.33  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)   QBRECH   QOVTOP   QOTHR
1    0     6.429      509.8   1100.56   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =    6.4826          DTH =   0.0538          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.51  QU(N) =     2255.90  YU(N) =      844.98
FRDM=     2.34  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     GU(1)   QBRECH   QOVTOP   QOTHR
1    0     6.483      509.8   1100.51   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0
```

```
TT =   6.5369          DTH =  0.0543          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.45  QU(N) =    2201.61  YU(N) =     844.98
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.537     509.8   1100.45   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =   6.5918          DTH =  0.0549          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.39  QU(N) =    2147.58  YU(N) =     844.98
FRDM=    2.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.592     509.8   1100.39   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =   6.6472          DTH =  0.0554          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.33  QU(N) =    2094.37  YU(N) =     844.97
FRDM=    2.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.647     509.8   1100.33   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =   6.7032          DTH =  0.0560          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.25  QU(N) =    2041.73  YU(N) =     844.97
FRDM=    2.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    6.703     509.8   1100.25   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =    6.7597          DTH =   0.0565          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.16  QU(N) =     1988.55  YU(N) =      844.96
FRDM=    2.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.760     509.8   1100.16   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.8169          DTH =   0.0571          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1937.71  YU(N) =      844.96
FRDM=    2.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.817     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.8456          DTH =   0.0288          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =     1911.98  YU(N) =      844.95
FRDM=    2.36  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.846     509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.8745          DTH =   0.0288          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.96  QU(N) =     1886.64  YU(N) =      844.95
FRDM=    2.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.874     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    6.9036          DTH =   0.0291          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =     1861.40  YU(N) =      844.95
FRDM=    2.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.904     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.9182          DTH =   0.0146          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.97  QU(N) =     1848.74  YU(N) =      844.95
FRDM=    2.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.918     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.9327          DTH =   0.0146          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.02  QU(N) =     1836.10  YU(N) =      844.95
FRDM=    2.35  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.933     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    6.9474          DTH =   0.0147          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.96  QU(N) =     1823.75  YU(N) =      844.95
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.947     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    6.9621          DTH =  0.0147          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.02  QU(N) =     1811.58  YU(N) =      844.94
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB       BB       QU(1)    QBRECH    QOVTOP    QOTHR
1    1     6.962     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8      0.0       0.0

TT =    6.9770          DTH =  0.0149          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.96  QU(N) =     1799.11  YU(N) =      844.94
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB       BB       QU(1)    QBRECH    QOVTOP    QOTHR
1    0     6.977     509.8   1099.96   1100.00   1075.02      1.00     60.0     509.8     509.8      0.0       0.0

TT =    6.9918          DTH =  0.0149          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.02  QU(N) =     1786.64  YU(N) =      844.94
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB       BB       QU(1)    QBRECH    QOVTOP    QOTHR
1    1     6.992     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8      0.0       0.0

TT =    7.0068          DTH =  0.0150          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =     1774.50  YU(N) =      844.94
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB       BB       QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.007     509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8      0.0       0.0
```

```
TT =    7.0218          DTH =  0.0150          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.02  QU(N) =     1762.02  YU(N) =      844.94
FRDM=    2.33  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1     7.022     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.0370          DTH =  0.0152          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =     1749.35  YU(N) =      844.94
FRDM=    2.33  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.037     509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.0522          DTH =  0.0152          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.02  QU(N) =     1737.88  YU(N) =      844.94
FRDM=    2.33  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1     7.052     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.0675          DTH =  0.0153          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =     1725.65  YU(N) =      844.94
FRDM=    2.34  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.067     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.0828          DTH =   0.0153          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1714.01  YU(N) =     844.93
FRDM=     2.34  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    7.083     509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.0982          DTH =   0.0155          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1701.85  YU(N) =     844.93
FRDM=     2.35  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    7.098     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.1137          DTH =   0.0155          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1689.39  YU(N) =     844.93
FRDM=     2.35  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    7.114     509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.1293          DTH =   0.0156          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1676.98  YU(N) =     844.93
FRDM=     2.36  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    7.129     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.1449          DTH =  0.0156          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1665.72  YU(N) =      844.93
FRDM=     2.36  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.145     509.8   1100.01   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.1697          DTH =  0.0158          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =     1653.26  YU(N) =      844.93
FRDM=     2.37  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.161     509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.1764          DTH =  0.0158          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1641.30  YU(N) =      844.93
FRDM=     2.37  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.176     509.8   1100.01   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.1924          DTH =  0.0159          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1629.36  YU(N) =      844.93
FRDM=     2.38  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.192     509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    7.2083          DTH =  0.0159          ITERR =    1
GU(1) =      509.78     YU(1) =     1100.00  GU(N) =     1617.68  YU(N) =      844.93
FRDM=    2.38  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.208      509.8   1100.00   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.2244          DTH =  0.0161          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.91  GU(N) =     1604.89  YU(N) =      844.92
FRDM=    2.38  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.224      509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.2405          DTH =  0.0161          ITERR =    1
GU(1) =      509.78     YU(1) =     1100.00  GU(N) =     1593.87  YU(N) =      844.92
FRDM=    2.39  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.240      509.8   1100.00   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.2567          DTH =  0.0162          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.90  GU(N) =     1581.30  YU(N) =      844.92
FRDM=    2.39  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.257      509.8   1099.90   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.2729          DTH =  0.0162          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1569.48  YU(N) =      844.92
FRDM=     2.40  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.273      509.8   1100.00   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.3058          DTH =  0.0328          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.90  QU(N) =     1546.27  YU(N) =      844.92
FRDM=     2.36  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.306      509.8   1099.90   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.3223          DTH =  0.0166          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.05  QU(N) =     1534.25  YU(N) =      844.92
FRDM=     2.35  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     7.322      509.8   1100.05   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.3389          DTH =  0.0166          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.96  QU(N) =     1522.44  YU(N) =      844.92
FRDM=     2.33  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     7.339      509.8   1099.96   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =   7.3556          DTH =  0.0167          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.04  QU(N) =     1510.85  YU(N) =     844.91
FRDM=    2.32  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.356     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   7.3724          DTH =  0.0167          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.95  QU(N) =     1499.35  YU(N) =     844.91
FRDM=    2.30  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.372     509.8   1099.95   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   7.3893          DTH =  0.0169          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.04  QU(N) =     1487.36  YU(N) =     844.91
FRDM=    2.29  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.389     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   7.4062          DTH =  0.0169          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.94  QU(N) =     1476.31  YU(N) =     844.91
FRDM=    2.28  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.406     509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.4233          DTH =  0.0171          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1464.61  YU(N) =     844.91
FRDM=    2.27  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.423     509.8    1100.04   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.4403          DTH =  0.0171          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =     1453.51  YU(N) =     844.91
FRDM=    2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.440     509.8    1099.94   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.4576          DTH =  0.0172          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1441.59  YU(N) =     844.91
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.458     509.8    1100.04   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.4748          DTH =  0.0172          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1430.82  YU(N) =     844.91
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.475     509.8    1099.93   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.4922          DTH =  0.0174          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1419.29  YU(N) =      844.90
FRDM=     2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.492      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.5097          DTH =  0.0174          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1407.64  YU(N) =      844.90
FRDM=     2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.510      509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.5273          DTH =  0.0176          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1396.41  YU(N) =      844.90
FRDM=     2.20  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.527      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.5448          DTH =  0.0176          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =     1385.66  YU(N) =      844.90
FRDM=     2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.545      509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    7.5626          DTH =  0.0178          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1374.92  YU(N) =      844.90
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.563      509.8   1100.04   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.5904          DTH =  0.0178          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1363.95  YU(N) =      844.90
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.580      509.8   1099.91   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.5983          DTH =  0.0179          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =     1353.48  YU(N) =      844.90
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.598      509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    7.6163          DTH =  0.0179          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1342.59  YU(N) =      844.90
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.616      509.8   1099.91   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =    7.6344          DTH =  0.0181          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =    1332.63  YU(N) =     844.89
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    7.634     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.6435          DTH =  0.0091          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =    1327.27  YU(N) =     844.89
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    7.643     509.8   1099.98   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.6525          DTH =  0.0091          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =    1321.77  YU(N) =     844.89
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    7.653     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.6651          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =    1314.17  YU(N) =     844.89
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    7.665     509.8   1099.96   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.6778          DTH =   0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1307.61  YU(N) =      844.89
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.678      509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.6905          DTH =   0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =     1300.31  YU(N) =      844.89
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     7.691      509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.7033          DTH =   0.0128          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.01  QU(N) =     1293.22  YU(N) =      844.89
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     7.703      509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    7.7162          DTH =   0.0129          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1285.88  YU(N) =      844.89
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     7.716      509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.7290          DTH =  0.0129          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1279.28  YU(N) =      844.89
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     7.729      509.8   1100.00   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    7.7420          DTH =  0.0130          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1271.74  YU(N) =      844.89
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.742      509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    7.7550          DTH =  0.0130          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1265.31  YU(N) =      844.89
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     7.755      509.8   1100.00   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =    7.7682          DTH =  0.0131          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =     1258.19  YU(N) =      844.89
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     7.768      509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =    7.7813          DTH =   0.0131          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1251.61  YU(N) =      844.88
FRDM=     2.13  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    7.781      509.8   1100.00   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    7.7946          DTH =   0.0133          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.90  QU(N) =     1244.22  YU(N) =      844.88
FRDM=     2.07  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.795      509.8   1099.90   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    7.8079          DTH =   0.0133          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1237.50  YU(N) =      844.88
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    7.808      509.8   1100.00   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    7.8213          DTH =   0.0134          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.90  QU(N) =     1230.25  YU(N) =      844.88
FRDM=     2.07  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.821      509.8   1099.90   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    7.8347          DTH =  0.0134          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.00  QU(N) =     1223.51  YU(N) =      844.88
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.835      509.8   1100.00   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.8617          DTH =  0.0271          ITERR =   1
QU(1) =      509.78     YU(1) =     1099.90  QU(N) =     1209.97  YU(N) =      844.88
FRDM=     1.99  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.862      509.8   1099.90   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.8891          DTH =  0.0273          ITERR =   1
QU(1) =      509.78     YU(1) =     1099.90  QU(N) =     1196.13  YU(N) =      844.88
FRDM=     2.00  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     7.889      509.8   1099.90   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.9029          DTH =  0.0138          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.05  QU(N) =     1189.81  YU(N) =      844.88
FRDM=     2.03  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.903      509.8   1100.05   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    7.9167          DTH =  0.0138          ITERR =    0
QU(1) =      509.78     YU(1) =    1099.96  QU(N) =     1183.13  YU(N) =      844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.917      509.8   1099.96   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.9306          DTH =  0.0139          ITERR =    0
QU(1) =      509.78     YU(1) =    1100.05  QU(N) =     1176.18  YU(N) =      844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.931      509.8   1100.05   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.9446          DTH =  0.0139          ITERR =    0
QU(1) =      509.78     YU(1) =    1099.96  QU(N) =     1169.89  YU(N) =      844.87
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.945      509.8   1099.96   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    7.9587          DTH =  0.0141          ITERR =    0
QU(1) =      509.78     YU(1) =    1100.04  QU(N) =     1163.19  YU(N) =      844.87
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     7.959      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.4757          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     944.15  YU(N) =     844.84
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.476     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.4889          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.94  QU(N) =     939.15  YU(N) =     844.84
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    8.489     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.5023          DTH =  0.0134          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     933.69  YU(N) =     844.84
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    8.502     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.5157          DTH =  0.0134          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.94  QU(N) =     928.54  YU(N) =     844.84
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    8.516     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    8.5293          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      923.21  YU(N) =      844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.529     509.8    1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.5428          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      918.40  YU(N) =      844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.543     509.8    1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.5565          DTH =  0.0137          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      912.93  YU(N) =      844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.556     509.8    1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    8.5702          DTH =  0.0137          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      908.22  YU(N) =      844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.570     509.8    1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =   8.5840          DTH =  0.0138          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     903.07  YU(N) =     844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.584     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   8.5978          DTH =  0.0138          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =     898.27  YU(N) =     844.84
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.598     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   8.6117          DTH =  0.0139          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     893.24  YU(N) =     844.84
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.612     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =   8.6257          DTH =  0.0139          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =     888.11  YU(N) =     844.84
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.626     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    8.6397          DTH =  0.0141          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      883.01  YU(N) =      844.84
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.640      509.8   1100.04   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.6538          DTH =  0.0141          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      877.64  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.654      509.8   1099.92   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.6681          DTH =  0.0142          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      872.05  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.668      509.8   1100.04   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.6823          DTH =  0.0142          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      867.34  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.682      509.8   1099.92   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.6967          DTH =  0.0144          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.04  GU(N) =      862.13  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.697      509.8   1100.04   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7110          DTH =  0.0144          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.92  GU(N) =      856.92  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.711      509.8   1099.92   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7255          DTH =  0.0145          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.03  GU(N) =      851.73  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.726      509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7400          DTH =  0.0145          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.91  GU(N) =      846.58  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.740      509.8   1099.91   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.7547          DTH =  0.0147          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      841.37  YU(N) =      844.83
FRDM=     2.10  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.755      509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7694          DTH =  0.0147          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      836.31  YU(N) =      844.83
FRDM=     2.10  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.769      509.8   1099.91   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7842          DTH =  0.0148          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      831.14  YU(N) =      844.83
FRDM=     2.10  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.784      509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.7916          DTH =  0.0074          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      828.60  YU(N) =      844.83
FRDM=     2.17  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.792      509.8   1099.98   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.7990          DTH =   0.0074          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      826.09  YU(N) =      844.83
FRDM=     2.16  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.799      509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.8116          DTH =   0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =      821.74  YU(N) =      844.83
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.812      509.8   1099.95   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.8242          DTH =   0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.99  QU(N) =      817.52  YU(N) =      844.83
FRDM=     2.13  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.824      509.8   1099.99   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.8370          DTH =   0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      813.21  YU(N) =      844.83
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.837      509.8   1100.04   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.8497          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      809.32  YU(N) =      844.82
FRDM=     2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.850      509.8   1099.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.8626          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      805.11  YU(N) =      844.82
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.863      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.8755          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      800.89  YU(N) =      844.82
FRDM=     2.13  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.875      509.8   1099.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.8885          DTH =  0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      796.93  YU(N) =      844.82
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.888      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.9015          DTH =  0.0130          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      792.94  YU(N) =      844.82
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.901      509.8   1099.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.9146          DTH =  0.0131          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      788.59  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.915      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.9278          DTH =  0.0131          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      784.49  YU(N) =      844.82
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.928      509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.9410          DTH =  0.0133          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      780.52  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.941      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.9543          DTH =  0.0133          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      776.87  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.984     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.9677          DTH =  0.0134          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      773.01  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.968     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.9811          DTH =  0.0134          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      769.34  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.981     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.9946          DTH =  0.0135          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      765.52  YU(N) =      844.82
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.995     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.0082          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      761.82  YU(N) =      844.82
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.008     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.0219          DTH =  0.0137          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      758.35  YU(N) =      844.82
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.022     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.0355          DTH =  0.0137          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      754.81  YU(N) =      844.82
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.036     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.0493          DTH =  0.0138          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      751.56  YU(N) =      844.82
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.049     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.0631          DTH =  0.0138          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      748.19  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.063     509.8   1099.92   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.0271          DTH =  0.0139          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      745.17  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.077     509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.0910          DTH =  0.0139          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      741.98  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.091     509.8   1099.91   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.1051          DTH =  0.0141          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      739.12  YU(N) =      844.81
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.105     509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.1192          DTH =  0.0141          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.91  QU(N) =     736.45  YU(N) =     844.81
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.119      509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.1334          DTH =  0.0142          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     733.93  YU(N) =     844.81
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.133      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.1405          DTH =  0.0071          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.98  QU(N) =     732.69  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.141      509.8   1099.98   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.1477          DTH =  0.0071          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     731.42  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     9.148      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.1603          DTH =   0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      729.08  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.160      509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.1729          DTH =   0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      726.98  YU(N) =      844.81
FRDM=     2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     9.173      509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.1857          DTH =   0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      724.99  YU(N) =      844.81
FRDM=     2.10  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.186      509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.1984          DTH =   0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      723.00  YU(N) =      844.81
FRDM=     2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.198      509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
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```
TT =    9.2113          DTH =  0.0129          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.04  GU(N) =      721.23  YU(N) =      844.81
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.211      509.8   1100.04    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.2242          DTH =  0.0129          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.93  GU(N) =      719.68  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.224      509.8   1099.93    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.2372          DTH =  0.0130          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.04  GU(N) =      718.28  YU(N) =      844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.237      509.8   1100.04    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.2502          DTH =  0.0130          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.93  GU(N) =      716.56  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.250      509.8   1099.93    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.2633          DTH =  0.0131          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     714.96  YU(N) =     844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.263     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.2765          DTH =  0.0131          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     713.60  YU(N) =     844.81
FRDM=     2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.276     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.2897          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     712.35  YU(N) =     844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.290     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.3030          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     711.09  YU(N) =     844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.303     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.3164          DTH =  0.0134          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      710.11  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.316      509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.3298          DTH =  0.0134          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      709.00  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.330      509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.3433          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      707.94  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.343      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.3569          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      706.88  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.357      509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.3705          DTH =  0.0137          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     705.75  YU(N) =     844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.371     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.3842          DTH =  0.0137          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.91  QU(N) =     704.97  YU(N) =     844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.384     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.3980          DTH =  0.0138          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     704.30  YU(N) =     844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.398     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.4049          DTH =  0.0069          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     703.98  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.405     509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.4118          DTH =  0.0069          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      703.62  YU(N) =      844.81
FRDM=     2.16  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     9.412      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.4244          DTH =  0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      702.92  YU(N) =      844.81
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.424      509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.4371          DTH =  0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      702.21  YU(N) =      844.81
FRDM=     2.14  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     9.437      509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.4498          DTH =  0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      701.49  YU(N) =      844.81
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.450      509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.4626          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      700.80  YU(N) =      844.81
FRDM=    2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)     QBRECH     QOVTOP     QOTHR
1    0      9.463     509.8    1099.93   1100.00   1075.02      1.00      60.0     509.8      509.8       0.0        0.0

TT =    9.4755          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      700.08  YU(N) =      844.81
FRDM=    2.29  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)     QBRECH     QOVTOP     QOTHR
1    0      9.475     509.8    1100.04   1100.00   1075.02      1.00      60.0     509.8      509.8       0.0        0.0

TT =    9.4883          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      699.34  YU(N) =      844.81
FRDM=    2.29  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)     QBRECH     QOVTOP     QOTHR
1    0      9.488     509.8    1099.92   1100.00   1075.02      1.00      60.0     509.8      509.8       0.0        0.0

TT =    9.5013          DTH =  0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      698.62  YU(N) =      844.81
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)     QBRECH     QOVTOP     QOTHR
1    0      9.501     509.8    1100.04   1100.00   1075.02      1.00      60.0     509.8      509.8       0.0        0.0
```

```
TT =    9.5143          DTH =  0.0130          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     698.16  YU(N) =     844.81
FRDM=    1.84  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.514     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.5275          DTH =  0.0131          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.04  QU(N) =     697.57  YU(N) =     844.81
FRDM=    1.65  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.527     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.5406          DTH =  0.0131          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     697.35  YU(N) =     844.81
FRDM=    1.53  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.541     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.5539          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     696.89  YU(N) =     844.81
FRDM=    1.46  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.554     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.5672          DTH =  0.0133          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      696.84  YU(N) =      844.81
FRDM=     1.43  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.547     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.5806          DTH =  0.0134          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      696.87  YU(N) =      844.81
FRDM=     1.47  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.581     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.5940          DTH =  0.0134          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      696.58  YU(N) =      844.81
FRDM=     1.53  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.594     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.6075          DTH =  0.0135          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      696.44  YU(N) =      844.81
FRDM=     1.61  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.608     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.6143          DTH =  0.0068          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      696.22  YU(N) =      844.81
FRDM=     1.64  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.614      509.8   1099.98   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.6210          DTH =  0.0068          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      696.31  YU(N) =      844.81
FRDM=     1.68  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1     9.621      509.8   1100.03   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.6337          DTH =  0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      696.28  YU(N) =      844.81
FRDM=     1.76  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.634      509.8   1099.94   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.6463          DTH =  0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      696.30  YU(N) =      844.81
FRDM=     1.82  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1     9.646      509.8   1099.98   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.6590          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      696.25  YU(N) =      844.81
FRDM=     1.88  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.659     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.6718          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      696.56  YU(N) =      844.81
FRDM=     1.94  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.672     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.6847          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      696.66  YU(N) =      844.81
FRDM=     1.99  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.685     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =    9.6975          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =      696.89  YU(N) =      844.81
FRDM=     2.03  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.698     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.7106          DTH =   0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      697.03  YU(N) =      844.81
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.711      509.8   1100.04    1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.7296          DTH =   0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      697.19  YU(N) =      844.81
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.724      509.8   1099.91    1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.7367          DTH =   0.0131          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      697.36  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.737      509.8   1100.03    1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.7498          DTH =   0.0131          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      697.81  YU(N) =      844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.750      509.8   1099.91    1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.7631          DTH =  0.0133          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     698.11  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.763      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.7697          DTH =  0.0066          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     698.33  YU(N) =     844.81
FRDM=    2.20  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.770      509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.7764          DTH =  0.0066          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     698.48  YU(N) =     844.81
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     9.776      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.7890          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.94  QU(N) =     698.82  YU(N) =     844.81
FRDM=    2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     9.789      509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =   9.8016          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =    1099.98  QU(N) =      699.18  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1     9.802     509.8   1099.98   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   9.8144          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =    1100.04  QU(N) =      699.53  YU(N) =      844.81
FRDM=    2.26  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.814     509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   9.8271          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =    1099.92  QU(N) =      699.89  YU(N) =      844.81
FRDM=    2.26  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.827     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   9.8400          DTH =  0.0129          ITERR =   0
QU(1) =      509.78    YU(1) =    1100.03  QU(N) =      700.20  YU(N) =      844.81
FRDM=    2.27  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     9.840     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.8529          DTH =  0.0129          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      700.59  YU(N) =      844.81
FRDM=     2.27  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.853      509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.8659          DTH =  0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      700.92  YU(N) =      844.81
FRDM=     2.26  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.866      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.8789          DTH =  0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.91  QU(N) =      701.29  YU(N) =      844.81
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.879      509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.8920          DTH =  0.0131          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      701.64  YU(N) =      844.81
FRDM=     2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.892      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.8986          DTH =  0.0066          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      701.82  YU(N) =      844.81
FRDM=     2.23  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.899      509.8   1099.98   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.9052          DTH =  0.0066          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      702.00  YU(N) =      844.81
FRDM=     2.21  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     9.905      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.9178          DTH =  0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      702.34  YU(N) =      844.81
FRDM=     2.19  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.918      509.8   1099.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    9.9304          DTH =  0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.97  QU(N) =      702.70  YU(N) =      844.81
FRDM=     2.16  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     9.930      509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    9.9432          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     703.02  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.943     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.9599          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.91  QU(N) =     703.63  YU(N) =     844.81
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.956     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.9688          DTH =  0.0129          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     704.14  YU(N) =     844.81
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.969     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    9.9817          DTH =  0.0129          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.91  QU(N) =     704.67  YU(N) =     844.81
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     9.982     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =    9.9947          DTH =  0.0130          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      704.91  YU(N) =      844.81
FRDM=     2.05  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0      9.995     509.8    1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.0012          DTH =  0.0065          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      705.29  YU(N) =      844.81
FRDM=     2.05  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     10.001     509.8    1099.98   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.0077          DTH =  0.0065          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      705.63  YU(N) =      844.81
FRDM=     2.04  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     10.008     509.8    1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.0203          DTH =  0.0126          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =      706.28  YU(N) =      844.81
FRDM=     2.04  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     10.020     509.8    1099.94   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.0330          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     707.06  YU(N) =     844.81
FRDM=     2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.033     509.8   1099.97   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.0457          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     707.51  YU(N) =     844.81
FRDM=     2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.046     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.0585          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.91  QU(N) =     707.77  YU(N) =     844.81
FRDM=     2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.058     509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.0713          DTH =  0.0129          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     708.46  YU(N) =     844.81
FRDM=     2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.071     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.0842          DTH =  0.0129          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.90  QU(N) =     708.94  YU(N) =     844.81
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.084    509.8   1099.90   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  10.0972          DTH =  0.0130          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     709.24  YU(N) =     844.81
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.097    509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  10.1037          DTH =  0.0065          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     709.46  YU(N) =     844.81
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.104    509.8   1099.98   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  10.1102          DTH =  0.0065          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     709.60  YU(N) =     844.81
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.110    509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0
```

```
TT =  10.1229          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      709.97  YU(N) =      844.81
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.123     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.1355          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      710.32  YU(N) =      844.81
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.135     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.1482          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      710.68  YU(N) =      844.81
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.148     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.1610          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.91  QU(N) =      711.03  YU(N) =      844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.161     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.1739          DTH =  0.0129          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     711.40  YU(N) =     844.81
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.174     509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0      0.0

TT =  10.1803          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.98  QU(N) =     711.58  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.180     509.8   1099.98   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0      0.0

TT =  10.1867          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     711.53  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.187     509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0      0.0

TT =  10.1994          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.93  QU(N) =     711.94  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.199     509.8   1099.93   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0      0.0
```

```
TT =  10.2120          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =     712.01  YU(N) =     844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.212     509.8   1099.97   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =  10.2247          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     712.54  YU(N) =     844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.225     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =  10.2311          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     712.43  YU(N) =     844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.231     509.8   1099.98   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0


TT =  10.2375          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     712.73  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.237     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.2501          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =     712.97  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.250      509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.2627          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =     713.13  YU(N) =     844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.263      509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.2755          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     713.31  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.275      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.2819          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     713.37  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.282      509.8   1099.98   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.2882          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      713.34  YU(N) =      844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    1    10.288     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.3009          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      713.49  YU(N) =      844.81
FRDM=    2.20  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    10.301     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.3135          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      713.66  YU(N) =      844.81
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    1    10.313     509.8   1099.97   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.3262          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      713.86  YU(N) =      844.81
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    10.326     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.3326          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.98  QU(N) =     713.98  YU(N) =     844.81
FRDM=    2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.333     509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.3390          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     713.93  YU(N) =     844.81
FRDM=    2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.339     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.3516          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.93  QU(N) =     714.01  YU(N) =     844.81
FRDM=    2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.352     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.3642          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     713.97  YU(N) =     844.81
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.364     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.3770          DTH =  0.0128          ITERR =   0
GU(1) =      509.78     YU(1) =     1100.03  GU(N) =      714.00  YU(N) =      844.81
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    0     10.377     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.3834          DTH =  0.0064          ITERR =   0
GU(1) =      509.78     YU(1) =     1099.98  GU(N) =      713.88  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    0     10.383     509.8   1099.98   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.3897          DTH =  0.0064          ITERR =   1
GU(1) =      509.78     YU(1) =     1100.03  GU(N) =      714.15  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    1     10.390     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.4024          DTH =  0.0126          ITERR =   0
GU(1) =      509.78     YU(1) =     1099.93  GU(N) =      714.45  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      GU(1)    QBRECH    QOVTOP    QOTHR
1    0     10.402     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.4150          DTH =  0.0126          ITERR =   1
QU(1) =      509.78     YU(1) =     1099.97  QU(N) =      714.25  YU(N) =      844.81
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.415     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.4277          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      714.64  YU(N) =      844.81
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.428     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.4341          DTH =  0.0064          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      714.64  YU(N) =      844.81
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.434     509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.4405          DTH =  0.0064          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      714.64  YU(N) =      844.81
FRDM=     2.25  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.440     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.4531          DTH =  0.0126          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      714.70  YU(N) =      844.81
FRDM=    2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.453     509.8   1099.93   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.4657          DTH =  0.0126          ITERR =   1
QU(1) =      509.78     YU(1) =     1099.97  QU(N) =      714.90  YU(N) =      844.81
FRDM=    2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.466     509.8   1099.97   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.4785          DTH =  0.0128          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      715.39  YU(N) =      844.81
FRDM=    2.25  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.478     509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.4849          DTH =  0.0064          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      715.39  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.485     509.8   1099.98   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.4912          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.38  YU(N) =      844.81
FRDM=    2.24  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.491      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5039          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      715.43  YU(N) =      844.81
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.504      509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5165          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      715.40  YU(N) =      844.81
FRDM=    2.23  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.516      509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5292          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.42  YU(N) =      844.81
FRDM=    2.22  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.529      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.5356          DTH =  0.0064          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =      715.37  YU(N) =      844.81
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0   10.536      509.8   1099.98   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5420          DTH =  0.0064          ITERR =   1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =      715.40  YU(N) =      844.81
FRDM=    2.21  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1   10.542      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5546          DTH =  0.0126          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =      715.42  YU(N) =      844.81
FRDM=    2.20  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0   10.555      509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.5672          DTH =  0.0126          ITERR =   1
QU(1) =      509.78     YU(1) =     1099.97  QU(N) =      715.41  YU(N) =      844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1   10.567      509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.5800          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.42  YU(N) =      844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    10.580     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.5844          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.98  QU(N) =      715.30  YU(N) =      844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    10.586     509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.5927          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.58  YU(N) =      844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    1    10.593     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.6054          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      715.88  YU(N) =      844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    10.605     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.6180          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =     715.71  YU(N) =     844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.618     509.8   1099.97   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.6307          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     715.80  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.631     509.8   1100.03   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.6371          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     715.71  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.637     509.8   1099.98   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.6435          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     715.74  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.644     509.8   1100.03   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.6561          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      715.79  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.656     509.8   1099.93   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.6687          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      715.77  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.669     509.8   1099.97   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.6815          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.75  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.682     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.6879          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.98  QU(N) =      715.85  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.688     509.8   1099.98   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  10.6943          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      715.76  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.694     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.7049          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      716.17  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.707     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.7195          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      716.75  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.720     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.7323          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      717.59  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.732     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.7386          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.98  QU(N) =      717.75  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.739      509.8   1099.98   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.7450          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      717.84  YU(N) =      844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.745      509.8   1100.03   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.7576          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =      718.61  YU(N) =      844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.758      509.8   1099.93   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =  10.7703          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =      719.02  YU(N) =      844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.770      509.8   1099.96   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.7830          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      719.61  YU(N) =      844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.783      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.7894          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.98  QU(N) =      720.08  YU(N) =      844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.789      509.8   1099.98   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.7958          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      720.33  YU(N) =      844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.796      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.8084          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.92  QU(N) =      721.13  YU(N) =      844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.808      509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.8210          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =     721.85  YU(N) =     844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1   10.821     509.8   1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.8238          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     722.44  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0   10.834     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.8401          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     722.28  YU(N) =     844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0   10.840     509.8   1099.98   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  10.8465          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     722.19  YU(N) =     844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1   10.847     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  10.8591          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     721.99  YU(N) =     844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.859     509.8   1099.92   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.8718          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =     720.83  YU(N) =     844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.872     509.8   1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.8845          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     719.95  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.885     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0

TT =  10.8909          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.98  QU(N) =     719.05  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.891     509.8   1099.98   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.8973          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     718.06  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1    10.897     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.9099          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     715.92  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    10.910     509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.9225          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =     713.61  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1    10.923     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  10.9353          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     710.73  YU(N) =     844.81
FRDM=    2.19  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    10.935     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  10.9416          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      709.17  YU(N) =      844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.942     509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.9480          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      708.00  YU(N) =      844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.948     509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.9606          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.92  QU(N) =      705.47  YU(N) =      844.81
FRDM=    2.18  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    10.961     509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  10.9733          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =      703.10  YU(N) =      844.81
FRDM=    2.17  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    10.973     509.8   1099.96   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  10.9860          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      701.32  YU(N) =      844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.986     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0


TT =  10.9924          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =      700.86  YU(N) =      844.81
FRDM=    2.16  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    10.992     509.8   1099.97   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0


TT =  10.9988          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =      700.40  YU(N) =      844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    10.999     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0


TT =  11.0114          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.92  QU(N) =      700.34  YU(N) =      844.81
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.011     509.8   1099.92   1100.00   1075.02    1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.0240          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =     701.72  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.024     509.8    1099.96    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.0368          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     704.79  YU(N) =     844.81
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.037     509.8    1100.03    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.0431          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =     707.06  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.043     509.8    1099.97    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.0495          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     709.58  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2         YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.050     509.8    1100.03    1100.00    1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  11.0621          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     715.81  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.062     509.8   1099.92   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.0748          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     723.95  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.075     509.8   1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.0875          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     734.48  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.088     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.0939          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     740.31  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.094     509.8   1099.97   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  11.1003          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     746.70  YU(N) =     844.81
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.100    509.8    1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.1129          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =     760.54  YU(N) =     844.82
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.113    509.8    1099.92   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.1255          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =     775.45  YU(N) =     844.82
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.126    509.8    1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.1383          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =     792.08  YU(N) =     844.82
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.138    509.8    1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  11.1446          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     800.90  YU(N) =     844.82
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.145     509.8    1099.97   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.1510          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     809.49  YU(N) =     844.82
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.151     509.8    1100.03   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.1636          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     827.41  YU(N) =     844.83
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.164     509.8    1099.92   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.1763          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     845.91  YU(N) =     844.83
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.176     509.8    1099.96   1100.00   1075.02     1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.1890          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     864.43  YU(N) =     844.83
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0    11.189     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =  11.1954          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     874.06  YU(N) =     844.83
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0    11.195     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =  11.2018          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     882.99  YU(N) =     844.84
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    1    11.202     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0

TT =  11.2144          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     901.23  YU(N) =     844.84
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0    11.214     509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8    509.8      0.0     0.0
```

```
TT =  11.2270          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     918.29  YU(N) =     844.84
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.227     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2398          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     935.61  YU(N) =     844.84
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.240     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2461          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     943.81  YU(N) =     844.84
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.246     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2525          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     951.41  YU(N) =     844.85
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.253     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.2651          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     966.46  YU(N) =     844.85
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.245     509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2778          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     980.73  YU(N) =     844.85
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.278     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2905          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     994.49  YU(N) =     844.85
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.291     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.2969          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =    1001.25  YU(N) =     844.85
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.297     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.3033          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     1007.25  YU(N) =     844.85
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.303     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0


TT =  11.3199          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     1019.69  YU(N) =     844.85
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.316     509.8   1099.92   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0


TT =  11.3285          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     1030.87  YU(N) =     844.86
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.329     509.8   1099.96   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0


TT =  11.3413          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     1041.69  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.341     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =  11.3476          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     1046.90  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.348     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.3540          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     1051.70  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.354     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.3666          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.92  QU(N) =     1061.77  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.367     509.8   1099.92   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.3793          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     1071.08  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.379     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.3920          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =     1080.73  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.392      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.3984          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =     1085.30  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.398      509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.4048          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =     1089.64  YU(N) =     844.86
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.405      509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.4174          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.91  QU(N) =     1098.49  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.417      509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.4300          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =    1106.63  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.430     509.8   1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.4428          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =    1114.95  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.443     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.4492          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =    1118.97  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.449     509.8   1099.97   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.4555          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =    1123.34  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.456     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  11.4682          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.91  QU(N) =     1131.67  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.468     509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.4808          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     1139.24  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.481     509.8   1099.96   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.4935          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.03  QU(N) =     1146.61  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.494     509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  11.4999          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.97  QU(N) =     1150.37  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.500     509.8   1099.97   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  11.5063          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =     1154.29  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.506     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.5189          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.91  QU(N) =     1161.31  YU(N) =     844.87
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.519     509.8   1099.91   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.5315          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =     1168.30  YU(N) =     844.87
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.532     509.8   1099.96   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.5443          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =     1175.08  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.544     509.8   1100.03   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  11.5507          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.97  QU(N) =     1178.40  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.551     509.8   1099.97   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.5570          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.03  QU(N) =     1181.08  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.557     509.8   1100.03   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.5697          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.91  QU(N) =     1187.23  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.570     509.8   1099.91   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  11.5823          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =     1192.93  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.582     509.8   1099.96   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.5950          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.03  QU(N) =    1199.00  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.595     509.8   1100.03   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.6054          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.97  QU(N) =    1201.68  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.601     509.8   1099.97   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.6078          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1204.53  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.608     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.6204          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.91  QU(N) =    1209.82  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.620     509.8   1099.91   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.6330          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.95  QU(N) =     1214.25  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.633      509.8   1099.95   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0      0.0

TT =  11.6458          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1218.80  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.646      509.8   1100.02   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0      0.0

TT =  11.6522          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =     1220.72  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.652      509.8   1099.96   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0      0.0

TT =  11.6585          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1222.42  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.659      509.8   1100.02   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0      0.0
```

```
TT =  11.6712          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.90  QU(N) =    1225.89  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.671     509.8   1099.90   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.6938          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.95  QU(N) =    1229.06  YU(N) =     844.88
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.684     509.8   1099.95   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.6965          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1232.05  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.697     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.7029          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.96  QU(N) =    1233.33  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.703     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.7093          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1234.29  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.709     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  11.7219          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.90  QU(N) =     1236.26  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.722     509.8   1099.90   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  11.7345          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.95  QU(N) =     1237.12  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.735     509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  11.7473          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1238.24  YU(N) =     844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.747     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =  11.7537          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.96  QU(N) =     1238.67  YU(N) =      844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2       YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.754    509.8   1099.96  1100.00  1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.7600          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1239.25  YU(N) =      844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2       YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.760    509.8   1100.02  1100.00  1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.7727          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.90  QU(N) =     1240.27  YU(N) =      844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2       YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.773    509.8   1099.90  1100.00  1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.7853          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.95  QU(N) =     1240.15  YU(N) =      844.88
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)      H2       YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.785    509.8   1099.95  1100.00  1075.02    1.00     60.0     509.8     509.8      0.0       0.0
```

```
TT =  11.7980          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1240.26  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    11.798     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.8044          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.96  QU(N) =     1239.81  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    11.804     509.8   1099.96   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.8108          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1239.42  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1    11.811     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.8234          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.89  QU(N) =     1238.41  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    11.823     509.8   1099.89   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  11.8360          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.95  QU(N) =    1237.84  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.836     509.8   1099.95   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  11.8488          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1236.23  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.849     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  11.8552          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.95  QU(N) =    1235.45  YU(N) =     844.88
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.855     509.8   1099.95   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  11.8615          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1235.03  YU(N) =     844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.862     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0
```

```
TT =  11.8742          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.89  QU(N) =     1233.95  YU(N) =      844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D        SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    11.874    509.8    1099.89   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.8868          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.94  QU(N) =     1232.61  YU(N) =      844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D        SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    1    11.887    509.8    1099.94   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.8995          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1231.05  YU(N) =      844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D        SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    11.900    509.8    1100.02   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0

TT =  11.9059          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.95  QU(N) =     1230.07  YU(N) =      844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D        SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0    11.906    509.8    1099.95   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0       0.0
```

```
TT =  11.9123          DTH =  0.0064          ITERR =  1
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1228.98  YU(N) =     844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.912    509.8   1100.02   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.9249          DTH =  0.0126          ITERR =  0
QU(1) =     509.78     YU(1) =     1099.89  QU(N) =     1227.62  YU(N) =     844.88
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.925    509.8   1099.89   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.9375          DTH =  0.0126          ITERR =  1
QU(1) =     509.78     YU(1) =     1099.94  QU(N) =     1226.04  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    11.938    509.8   1099.94   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  11.9503          DTH =  0.0128          ITERR =  0
QU(1) =     509.78     YU(1) =     1100.02  QU(N) =     1224.94  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    11.950    509.8   1100.02   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  11.9567          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.95  QU(N) =    1224.23  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.957      509.8   1099.95   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.9630          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1223.82  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.963      509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.9757          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.88  QU(N) =    1222.70  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    11.976      509.8   1099.88   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  11.9883          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.94  QU(N) =    1221.74  YU(N) =     844.88
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    11.988      509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  12.0010          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1221.07  YU(N) =     844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.001     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.0074          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.95  QU(N) =    1220.55  YU(N) =     844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.007     509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.0138          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.02  QU(N) =    1220.29  YU(N) =     844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.014     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.0264          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.88  QU(N) =    1219.89  YU(N) =     844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.026     509.8   1099.88   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  12.0390          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =    1099.94  QU(N) =    1220.06  YU(N) =     844.88
FRDM=    2.07  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.039     509.8   1099.94   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.0518          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =    1100.02  QU(N) =    1219.93  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.052     509.8   1100.02   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.0582          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =    1099.95  QU(N) =    1220.50  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.058     509.8   1099.95   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.0645          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =    1100.02  QU(N) =    1220.66  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.065     509.8   1100.02   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  12.0772          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.87  QU(N) =     1221.08  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.077     509.8   1099.87   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.0898          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.94  QU(N) =     1221.99  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.090     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.1025          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1222.68  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.103     509.8   1100.02   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.1089          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.94  QU(N) =     1223.21  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.109     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =  12.1153          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.02  QU(N) =     1223.30  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    1    12.115     509.8   1100.02   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  12.1279          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.87  QU(N) =     1223.87  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0    12.128     509.8   1099.87   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  12.1405          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.94  QU(N) =     1224.72  YU(N) =     844.88
FRDM=    2.06  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    1    12.141     509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0

TT =  12.1533          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.01  QU(N) =     1225.40  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0    12.153     509.8   1100.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0
```

```
TT =  12.1597          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.94  QU(N) =     1225.75  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.160     509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0


TT =  12.1661          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.01  QU(N) =     1226.31  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.166     509.8   1100.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0


TT =  12.1787          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.87  QU(N) =     1227.19  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.179     509.8   1099.87   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0


TT =  12.1913          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =     1099.93  QU(N) =     1228.24  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.191     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0      0.0
```

```
TT =  12.2041          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1228.84  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.204    509.8    1100.01   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.2104          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.94  QU(N) =    1229.18  YU(N) =     844.88
FRDM=    2.05  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.210    509.8    1099.94   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.2168          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1229.75  YU(N) =     844.88
FRDM=    2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.217    509.8    1100.01   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.2294          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.86  QU(N) =    1230.67  YU(N) =     844.88
FRDM=    2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT       Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.229    509.8    1099.86   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  12.2421          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =     1231.70  YU(N) =     844.88
FRDM=    2.04  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.242     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.2548          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.01  QU(N) =     1232.69  YU(N) =     844.88
FRDM=    2.03  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.255     509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.2612          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.94  QU(N) =     1233.25  YU(N) =     844.88
FRDM=    2.03  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.261     509.8   1099.94   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0

TT =  12.2676          DTH =  0.0064          ITERR =   1
QU(1) =      509.78    YU(1) =     1100.01  QU(N) =     1233.72  YU(N) =     844.88
FRDM=    2.03  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.268     509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0      0.0
```

```
TT =  12.2802          DTH =  0.0126          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.86  QU(N) =     1234.67  YU(N) =      844.88
FRDM=    2.02  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.280     509.8   1099.86   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.2928          DTH =  0.0126          ITERR =   1
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =     1235.69  YU(N) =      844.88
FRDM=    2.02  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1    12.293     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.3056          DTH =  0.0128          ITERR =   0
QU(1) =      509.78    YU(1) =     1100.01  QU(N) =     1236.69  YU(N) =      844.88
FRDM=    2.01  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.306     509.8   1100.01   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =  12.3119          DTH =  0.0064          ITERR =   0
QU(1) =      509.78    YU(1) =     1099.93  QU(N) =     1237.27  YU(N) =      844.88
FRDM=    2.01  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0    12.312     509.8   1099.93   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
```

```
TT =  12.3183          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1237.73  YU(N) =     844.88
FRDM=    2.00  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1   12.318    509.8   1100.01   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.3309          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.86  QU(N) =    1238.66  YU(N) =     844.88
FRDM=    2.00  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0   12.331    509.8   1099.86   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.3436          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =    1239.31  YU(N) =     844.88
FRDM=    1.99  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    1   12.344    509.8   1099.93   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0

TT =  12.3563          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1240.50  YU(N) =     844.88
FRDM=    1.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0   12.356    509.8   1100.01   1100.00   1075.02    1.00     60.0     509.8     509.8      0.0      0.0
```

```
TT =  12.3627          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =    1240.94  YU(N) =     844.88
FRDM=    1.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    12.363     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.3691          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1241.45  YU(N) =     844.88
FRDM=    1.98  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1    12.369     509.8   1100.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.3817          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.85  QU(N) =    1242.43  YU(N) =     844.88
FRDM=    1.97  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0    12.382     509.8   1099.85   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.3943          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =    1243.43  YU(N) =     844.88
FRDM=    1.97  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    1    12.394     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  12.4071          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =     1100.01  QU(N) =     1244.45  YU(N) =     844.88
FRDM=    1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.407     509.8   1100.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.4134          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.93  QU(N) =     1245.09  YU(N) =     844.88
FRDM=    1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.413     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.4198          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =     1100.01  QU(N) =     1245.19  YU(N) =     844.88
FRDM=    1.96  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.420     509.8   1100.01   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =  12.4324          DTH =  0.0126          ITERR =   0
QU(1) =     509.78     YU(1) =     1099.85  QU(N) =     1245.81  YU(N) =     844.88
FRDM=    1.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.432     509.8   1099.85   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
```

```
TT =  12.4451          DTH =  0.0126          ITERR =   1
QU(1) =     509.78     YU(1) =    1099.92  QU(N) =    1247.01  YU(N) =     844.88
FRDM=    1.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT        Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.445       509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.4578          DTH =  0.0128          ITERR =   0
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1247.53  YU(N) =     844.88
FRDM=    1.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT        Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.458       509.8   1100.01   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.4642          DTH =  0.0064          ITERR =   0
QU(1) =     509.78     YU(1) =    1099.93  QU(N) =    1248.03  YU(N) =     844.88
FRDM=    1.95  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT        Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0    12.464       509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =  12.4706          DTH =  0.0064          ITERR =   1
QU(1) =     509.78     YU(1) =    1100.01  QU(N) =    1248.50  YU(N) =     844.88
FRDM=    1.94  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT        Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1    12.471       509.8   1100.01   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =  12.4832          DTH =  0.0126          ITERR =  0
GU(1) =     509.78     YU(1) =     1099.84  GU(N) =     1249.45  YU(N) =     844.88
FRDM=    1.94  IIFR=  112  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YG	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	12.483	509.8	1099.84	1100.00	1075.02	1.00	60.0	509.8	509.8	0.0	0.0

```
TT =  12.4958          DTH =  0.0126          ITERR =  1
GU(1) =     509.78     YU(1) =     1099.92  GU(N) =     1250.46  YU(N) =     844.88
FRDM=    1.94  IIFR=  112  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YG	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	1	12.496	509.8	1099.92	1100.00	1075.02	1.00	60.0	509.8	509.8	0.0	0.0

```
TT =  12.5008          DTH =  0.0128          ITERR =  0
GU(1) =     509.78     YU(1) =     1100.01  GU(N) =     1251.05  YU(N) =     844.88
FRDM=    1.94  IIFR=  112  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YG	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	12.509	509.8	1100.01	1100.00	1075.02	1.00	60.0	509.8	509.8	0.0	0.0

```
TT =  12.5149          DTH =  0.0064          ITERR =  0
GU(1) =     509.78     YU(1) =     1099.92  GU(N) =     1251.75  YU(N) =     844.88
FRDM=    1.94  IIFR=  112  FRM=0.00 IIFM=    1
```

KTIME= 699 ALLOWABLE KTIME= 699 TT= 12.5

PROFILE OF CRESTS AND TIMES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.000	1111.26	7467	0.250	0.15	0.00	0.00
0.300	1076.20	7467	0.525	[illegible]	0.00	0.00
0.507	1066.38	7421	0.600	3.79	0.00	0.00
0.633	1056.34	7410	0.625	4.33	0.00	0.00
0.760	1046.63	7401	0.675	3.82	0.00	0.00
0.772	1045.88	7400	0.675	3.76	0.00	0.00
0.784	1045.15	7400	0.675	3.69	0.00	0.00
0.796	1044.42	7401	0.675	3.62	0.00	0.00
0.807	1043.71	7400	0.675	3.55	0.00	0.00
0.819	1043.00	7398	0.700	3.49	0.00	0.00
0.831	1042.30	7399	0.700	3.43	0.00	0.00
0.843	1041.60	7400	0.700	3.37	0.00	0.00
0.855	1040.91	7399	0.700	3.31	0.00	0.00
0.867	1040.23	7399	0.700	3.25	0.00	0.00
0.879	1039.54	7398	0.700	3.20	0.00	0.00
0.891	1038.86	7396	0.700	3.15	0.00	0.00
0.902	1038.19	7397	0.725	3.10	0.00	0.00
0.914	1037.51	7397	0.725	3.05	0.00	0.00
0.926	1036.84	7398	0.725	3.01	0.00	0.00
0.938	1036.17	7396	0.725	2.97	0.00	0.00
0.950	1035.50	7395	0.725	2.92	0.00	0.00
0.962	1034.83	7396	0.725	2.89	0.00	0.00
0.974	1034.17	7394	0.750	2.85	0.00	0.00
0.986	1033.50	7396	0.750	2.81	0.00	0.00
0.997	1032.84	7396	0.750	2.78	0.00	0.00
1.009	1032.18	7393	0.750	2.74	0.00	0.00
1.021	1031.52	7395	0.750	2.71	0.00	0.00
1.033	1030.86	7395	0.750	2.68	0.00	0.00
1.045	1030.20	7395	0.775	2.65	0.00	0.00
1.057	1029.55	7394	0.775	2.62	0.00	0.00
1.069	1028.89	7394	0.775	2.59	0.00	0.00
1.081	1028.23	7394	0.775	2.57	0.00	0.00
1.092	1027.58	7392	0.775	2.54	0.00	0.00
1.104	1026.92	7395	0.800	2.52	0.00	0.00
1.116	1026.27	7392	0.800	2.49	0.00	0.00
1.128	1025.61	7394	0.800	2.49	0.00	0.00
1.140	1024.96	7396	0.825	2.47	0.00	0.00
1.235	1019.80	7376	0.900	[illegible]	0.00	0.00
1.330	1014.62	7362	0.925	2.71	0.00	0.00
1.425	1009.45	7360	0.950	2.81	0.00	0.00
1.520	1004.27	7347	1.150	2.90	0.00	0.00
1.615	998.97	7347	1.050	[illegible]	0.00	0.00
1.705	[illegible]	7338	1.200	[illegible]	0.00	0.00
1.775	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00
[illegible]	983.28	7327	1.225	[illegible]	0.00	0.00
[illegible]	978.48	7326	1.175	[illegible]	0.00	0.00
2.030	975.82	7318	1.300	[illegible]	0.00	0.00

2.175	968-96	7314	1.325	3.03	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
2.270	964.39	7308	1.375	2.53	0.00	0.00
2.297	963.34	7305	1.375	2.50	0.00	0.00
2.324	962.31	7305	1.400	2.48	0.00	0.00
2.351	961.29	7303	1.425	2.46	0.00	0.00
2.379	960.27	7303	1.425	2.45	0.00	0.00
2.406	959.24	7300	1.450	2.45	0.00	0.00
2.433	958.25	7297	1.450	2.39	0.00	0.00
2.460	957.15	7296	1.475	2.63	0.00	0.00
2.555	952.61	7291	1.525	2.67	0.00	0.00
2.650	948.11	7284	1.575	2.54	0.00	0.00
2.667	947.33	7284	1.575	2.53	0.00	0.00
2.685	946.54	7283	1.575	2.51	0.00	0.00
2.702	945.76	7282	1.600	2.49	0.00	0.00
2.719	944.97	7282	1.600	2.47	0.00	0.00
2.736	944.18	7281	1.600	2.46	0.00	0.00
2.754	943.40	7279	1.625	2.44	0.00	0.00
2.771	942.61	7279	1.625	2.41	0.00	0.00
2.788	941.82	7278	1.625	2.39	0.00	0.00
2.805	941.03	7278	1.650	2.36	0.00	0.00
2.823	940.24	7278	1.650	2.34	0.00	0.00
2.840	939.44	7277	1.650	2.31	0.00	0.00
2.857	938.65	7274	1.675	2.28	0.00	0.00
2.875	937.85	7274	1.675	2.24	0.00	0.00
2.892	937.05	7274	1.700	2.21	0.00	0.00
2.909	936.25	7272	1.700	2.16	0.00	0.00
2.926	935.44	7272	1.700	2.13	0.00	0.00
2.944	934.62	7272	1.725	2.13	0.00	0.00
2.961	933.79	7273	1.750	2.13	0.00	0.00
2.978	932.96	7272	1.725	2.14	0.00	0.00
2.995	932.14	7269	1.750	2.14	0.00	0.00
3.013	931.30	7286	1.725	2.18	0.00	0.00
3.030	930.50	7286	1.775	2.11	0.00	0.00
3.093	927.74	7281	1.800	2.11	0.00	0.00
3.157	924.97	7279	1.775	2.15	0.00	0.00
3.220	922.21	7282	1.800	2.14	0.00	0.00
3.283	919.44	7268	1.850	2.19	0.00	0.00
3.347	916.70	7253	1.925	2.14	0.00	0.00
3.410	913.90	7249	1.950	2.22	0.00	0.00
3.473	911.19	7249	1.975	2.13	0.00	0.00
3.537	908.35	7246	2.000	2.32	0.00	0.00
3.600	905.70	7235	2.075	2.02	0.00	0.00
3.611	905.32	7235	2.075	[illegible]	0.00	0.00
3.622	904.95	7239	[illegible]	[illegible]	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00
3.645	904.22	7231	2.075	1.83	0.00	0.00
3.656	903.86	7231	2.100	1.78	0.00	0.00
3.667	903.51	7240	2.100	1.75	0.00	0.00

3.678	903.15	7242	2.100	1.71	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
3.689	902.80	7236	2.125	1.67	0.00	0.00
3.701	902.46	7230	2.125	1.64	0.00	0.00
3.712	902.11	7225	2.125	1.61	0.00	0.00
3.723	901.76	7229	2.150	1.63	0.00	0.00
3.734	901.40	7236	2.150	1.64	0.00	0.00
3.745	901.05	7234	2.150	1.63	0.00	0.00
3.756	900.69	7219	2.175	1.61	0.00	0.00
3.768	900.34	7224	2.175	1.62	0.00	0.00
3.779	899.98	7226	2.200	1.63	0.00	0.00
3.790	899.53	7223	2.175	1.93	0.00	0.00
3.817	898.25	7222	2.250	1.86	0.00	0.00
3.844	896.91	7214	2.175	1.93	0.00	0.00
3.871	895.66	7217	2.300	1.74	0.00	0.00
3.899	894.23	7210	2.175	2.07	0.00	0.00
3.926	893.07	7214	2.350	1.52	0.00	0.00
3.953	891.47	7230	2.200	4.33	0.00	0.00
3.980	890.67	7178	2.425	1.19	0.00	0.00
3.989	890.60	7145	2.450	1.11	0.00	0.00
3.999	890.52	7124	2.475	1.09	0.00	0.00
4.008	890.44	7096	2.475	1.11	0.00	0.00
4.018	890.37	7080	2.500	1.11	0.00	0.00
4.027	890.29	7063	2.525	1.08	0.00	0.00
4.037	890.21	7043	2.525	1.07	0.00	0.00
4.046	890.13	7026	2.550	1.10	0.00	0.00
4.056	890.05	7008	2.575	1.08	0.00	0.00
4.065	889.96	6992	2.575	1.09	0.00	0.00
4.075	889.87	6980	2.600	1.10	0.00	0.00
4.084	889.77	6967	2.600	1.10	0.00	0.00
4.094	889.68	6959	2.625	1.10	0.00	0.00
4.103	889.58	6951	2.625	1.11	0.00	0.00
4.113	889.48	6945	2.625	1.11	0.00	0.00
4.122	889.38	6940	2.650	1.12	0.00	0.00
4.132	889.27	6936	2.650	1.14	0.00	0.00
4.141	889.15	6934	2.650	1.18	0.00	0.00
4.151	889.02	6932	2.650	1.26	0.00	0.00
4.161	888.86	6930	2.675	1.41	0.00	0.00
4.170	888.59	6931	2.675	1.91	0.00	0.00
4.189	887.76	6929	2.675	1.83	0.00	0.00
4.208	886.93	6928	2.700	1.84	0.00	0.00
4.227	886.10	6928	2.700	1.79	0.00	0.00
4.246	885.26	6927	2.725	1.75	0.00	0.00
4.335	884.42	6925	2.750	1.49	0.00	0.00
4.384	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00
4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00
4.322	881.82	6922	2.675	1.96	0.00	0.00
4.341	881.03	6922	2.800	1.37	0.00	0.00
[illegible]	880.06	6925	2.650	[illegible]	0.00	0.00

4.423	876.82	6921	2.850	1.42	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 300+00PIPING
BELOW FRS#2 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
4.487	873.43	6914	2.875	1.78	0.00	0.00
4.550	870.23	6913	2.900	1.43	0.00	0.00
4.565	869.72	6909	2.925	1.42	0.00	0.00
4.580	869.21	6913	2.950	1.43	0.00	0.00
4.595	868.68	6907	2.950	1.49	0.00	0.00
4.610	868.13	6910	2.950	1.55	0.00	0.00
4.625	867.59	6906	2.975	1.61	0.00	0.00
4.640	867.04	6906	3.000	1.66	0.00	0.00
4.655	866.48	6903	3.000	1.70	0.00	0.00
4.670	865.93	6905	3.000	1.74	0.00	0.00
4.685	865.37	6901	3.025	1.78	0.00	0.00
4.700	864.81	6902	3.025	1.81	0.00	0.00
4.715	864.24	6900	3.050	1.88	0.00	0.00
4.730	863.81	6898	3.050	1.53	0.00	0.00
4.793	862.39	6881	3.175	1.49	0.00	0.00
4.857	860.99	6881	3.150	1.38	0.00	0.00
4.920	859.54	6846	3.275	1.36	0.00	0.00
4.983	857.78	6830	3.250	1.49	0.00	0.00
5.047	856.19	6798	3.375	1.21	0.00	0.00
5.110	854.34	6787	3.425	1.67	0.00	0.00
5.129	853.44	6784	3.450	1.66	0.00	0.00
5.148	852.53	6781	3.450	1.64	0.00	0.00
5.167	851.63	6781	3.475	1.63	0.00	0.00
5.186	850.72	6778	3.475	1.61	0.00	0.00
5.205	849.81	6776	3.500	1.59	0.00	0.00
5.224	848.91	6777	3.525	1.56	0.00	0.00
5.243	847.99	6776	3.525	1.55	0.00	0.00
5.262	847.06	6774	3.550	1.58	0.00	0.00
5.281	846.14	6776	3.550	1.63	0.00	0.00
5.300	845.21	6773	3.575	1.67	0.00	0.00

```
TT =   7.9728          DTH =  0.0141          ITERR =   0
QU(1) =      509.78    YU(1) =    1099.95  QU(N) =    1157.23  YU(N) =     844.87
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.973    509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   7.9870          DTH =  0.0142          ITERR =   0
QU(1) =      509.78    YU(1) =    1100.04  QU(N) =    1150.79  YU(N) =     844.87
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    7.987    509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   8.0012          DTH =  0.0142          ITERR =   0
QU(1) =      509.78    YU(1) =    1099.95  QU(N) =    1144.38  YU(N) =     844.87
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    8.001    509.8   1099.95   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0

TT =   8.0156          DTH =  0.0144          ITERR =   0
QU(1) =      509.78    YU(1) =    1100.04  QU(N) =    1137.86  YU(N) =     844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    8.016    509.8   1100.04   1100.00   1075.02      1.00     60.0     509.8     509.8       0.0       0.0
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TT =    8.0299          DTH =  0.0144          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =     1131.55  YU(N) =      844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.030      509.8   1099.95   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.0445          DTH =  0.0145          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1124.73  YU(N) =      844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.044      509.8   1100.04   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.0590          DTH =  0.0145          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.94  QU(N) =     1118.28  YU(N) =      844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.059      509.8   1099.94   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.0736          DTH =  0.0147          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1111.60  YU(N) =      844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D        SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
1    0     8.074      509.8   1100.04   1100.00   1075.02       1.00      60.0      509.8     509.8       0.0       0.0
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```
TT =    8.0883          DTH =  0.0147          ITERR =   0
GU(1) =     509.78     YU(1) =    1099.94  GU(N) =    1105.15  YU(N) =     844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.088     509.8   1099.94   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.1031          DTH =  0.0148          ITERR =   0
GU(1) =     509.78     YU(1) =    1100.04  GU(N) =    1098.51  YU(N) =     844.87
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.103     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.1179          DTH =  0.0148          ITERR =   0
GU(1) =     509.78     YU(1) =    1099.93  GU(N) =    1092.10  YU(N) =     844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.118     509.8   1099.93   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0

TT =    8.1328          DTH =  0.0150          ITERR =   0
GU(1) =     509.78     YU(1) =    1100.04  GU(N) =    1085.91  YU(N) =     844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.133     509.8   1100.04   1100.00   1075.02      1.00      60.0     509.8     509.8       0.0       0.0
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```
TT =    8.1478          DTH =  0.0150          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1079.34  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.148     509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.1629          DTH =  0.0151          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1072.91  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.163     509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.1780          DTH =  0.0151          ITERR =   0
QU(1) =      509.78     YU(1) =     1099.93  QU(N) =     1066.20  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.178     509.8   1099.93   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.1932          DTH =  0.0153          ITERR =   0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1059.59  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.193     509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.2085          DTH =  0.0153          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =     1053.04  YU(N) =      844.86
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.208      509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.2239          DTH =  0.0154          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1046.78  YU(N) =      844.86
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.224      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.2393          DTH =  0.0154          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.92  QU(N) =     1039.75  YU(N) =      844.86
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.239      509.8   1099.92   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.2549          DTH =  0.0156          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =     1033.12  YU(N) =      844.86
FRDM=     2.09  IIFR=  112  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
I    0     8.255      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.2704          DTH =  0.0156          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.91  GU(N) =     1026.41  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.270      509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.2861          DTH =  0.0157          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.03  GU(N) =     1020.03  YU(N) =      844.86
FRDM=    2.09  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.286      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.3019          DTH =  0.0157          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.91  GU(N) =     1013.24  YU(N) =      844.85
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.302      509.8   1099.91   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.3177          DTH =  0.0159          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.03  GU(N) =     1007.00  YU(N) =      844.85
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.318      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.3257          DTH =  0.0079          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.98  QU(N) =     1003.73  YU(N) =     844.85
FRDM=    2.15  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.326      509.8   1099.98   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.3336          DTH =  0.0079          ITERR =    1
QU(1) =      509.78     YU(1) =     1100.03  QU(N) =     1000.81  YU(N) =     844.85
FRDM=    2.14  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.334      509.8   1100.03   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.3462          DTH =  0.0126          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =      995.79  YU(N) =     844.85
FRDM=    2.10  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.346      509.8   1099.95   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.3588          DTH =  0.0126          ITERR =    1
QU(1) =      509.78     YU(1) =     1099.99  QU(N) =      990.81  YU(N) =     844.85
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     8.359      509.8   1099.99   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.3716          DTH =  0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.05  QU(N) =      985.37  YU(N) =      844.85
FRDM=    2.08  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     8.372      509.8   1100.05   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.3844          DTH =  0.0128          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.96  QU(N) =      980.29  YU(N) =      844.85
FRDM=    2.13  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     8.384      509.8   1099.96   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.3972          DTH =  0.0129          ITERR =    0
QU(1) =      509.78     YU(1) =     1100.04  QU(N) =      974.96  YU(N) =      844.85
FRDM=    2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     8.397      509.8   1100.04   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0

TT =    8.4101          DTH =  0.0129          ITERR =    0
QU(1) =      509.78     YU(1) =     1099.95  QU(N) =      969.91  YU(N) =      844.85
FRDM=    2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     8.410      509.8   1099.95   1100.00   1075.02      1.00     60.0      509.8     509.8       0.0       0.0
```

```
TT =    8.4231          DTH =  0.0130          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.04  GU(N) =      964.65  YU(N) =      844.85
FRDM=     2.11  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.423      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.4361          DTH =  0.0130          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.95  GU(N) =      959.58  YU(N) =      844.85
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.436      509.8   1099.95   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.4493          DTH =  0.0131          ITERR =    0
GU(1) =      509.78     YU(1) =     1100.04  GU(N) =      954.34  YU(N) =      844.85
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.449      509.8   1100.04   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0

TT =    8.4624          DTH =  0.0131          ITERR =    0
GU(1) =      509.78     YU(1) =     1099.95  GU(N) =      949.32  YU(N) =      844.85
FRDM=     2.12  IIFR=  112  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB      GU(1)    QBRECH    QOVTOP     QOTHR
1    0     8.462      509.8   1099.95   1100.00   1075.02      1.00      60.0      509.8     509.8       0.0       0.0
```

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#3 MCFCD

ON

STN. 161+400VERTOP

ANALYSIS BY

DAMES & MOORE PHOENIX
ARIZONA

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***                         ***
***  SUMMARY OF INPUT DATA  ***
***                         ***
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INPUT CONTROL PARAMETERS FOR FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	18
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#3 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
410.0	1174.00
335.0	1170.00
298.0	1168.00
264.0	1166.00

210.0	1163.20
153.0	1160.00
78.0	1156.00
0.1	1149.00

DAM NUMBER 1

FRS#3 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1163.20
SIDE SLOPE OF BREACH		Z	1.00
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1149.00
WIDTH OF BASE OF BREACH	FEET	BB	200.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1169.00
ELEVATION OF TOP OF DAM	FEET	HD	1170.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1163.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	1080.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	45497.70
DISCHARGE THRU TURBINES	CFS	QT	1500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 6.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#3 MCFCD
****

85.00	1428.00	2871.00	5488.00	12341.00	26126.00	34422.00	47348.00
53328.00	37324.00	22784.00	14852.00	9747.00	6919.00	4384.00	2758.00
1398.00	253.00						

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	2.0000	2.2500	2.5000	2.7500	3.0000
3.2500	3.5000	3.7500	4.0000	4.2500	4.5000	5.0000	5.5000
6.0000	6.5000						

CROSS-SECTIONAL PARAMETERS FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	18
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1140.0	1140.2	1145.0	1148.0	1156.0	1171.0
BS ...	0.0	30.0	500.0	1000.0	2000.0	3000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTG(I) = 0.00

HS ...	1099.0	1099.5	1100.0	1110.0	1120.0	1130.0
BS ...	0.0	30.0	100.0	2200.0	3400.0	5000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTG(I) = 0.00

HS ...	1077.0	1077.5	1080.0	1090.0	1100.0	1110.0
BS ...	0.0	30.0	4500.0	6700.0	9300.0	10800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTG(I) = 0.00

HS ...	1047.0	1047.5	1050.0	1060.0	1070.0	1080.0
BS ...	0.0	30.0	2800.0	7000.0	10200.0	13000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.705 FSTG(I) = 0.00

HS ...	1017.0	1017.5	1020.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	6000.0	11200.0	14400.0	17100.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.894 FSTG(I) = 0.00

HS ...	1006.0	1006.5	1010.0	1020.0	1030.0	1040.0
BS ...	0.0	30.0	6400.0	12400.0	15500.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.083 FSTG(I) = 0.00

HS ...	998.0	998.5	1000.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	6400.0	13800.0	16200.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.273 FSTG(I) = 0.00

HS ...	989.0	989.5	990.0	995.0	1000.0	1010.0
BS ...	0.0	30.0	4000.0	10000.0	13600.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.462 FSTG(I) = 0.00

HS ...	978.0	978.5	980.0	985.0	990.0	1000.0
BS ...	0.0	30.0	5400.0	10200.0	13200.0	18500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 2.652 FSTG(I) = 0.00

HS ...	967.0	967.5	970.0	975.0	980.0	990.0
BS ...	0.0	30.0	4700.0	10900.0	14000.0	18600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 2.841 FSTG(I) = 0.00

HS ...	958.0	958.5	960.0	965.0	970.0	980.0
BS ...	0.0	30.0	6000.0	11200.0	14000.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	949.0	949.5	950.0	955.0	960.0	970.0
BS ...	0.0	30.0	6200.0	10400.0	13200.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.409 FSTG(I) = 0.00

HS ...	929.0	929.5	930.0	935.0	940.0	950.0
BS ...	0.0	30.0	4200.0	10500.0	13800.0	18600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 3.788 FSTG(I) = 0.00

HS ...	907.0	907.5	910.0	915.0	920.0	930.0
BS ...	0.0	30.0	5000.0	10000.0	13200.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 4.167 FSTG(I) = 0.00

HS ...	893.0	893.5	895.0	900.0	910.0	920.0
BS ...	0.0	30.0	7400.0	11000.0	18500.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 4.356 FSTG(I) = 0.00

HS ...	881.0	881.5	885.0	890.0	895.0	900.0
BS ...	0.0	30.0	7400.0	10800.0	14400.0	18400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.545 FSTG(I) = 0.00

HS ...	874.0	874.5	880.0	885.0	890.0	900.0
BS ...	0.0	30.0	8400.0	13300.0	17600.0	21600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.735 FSTG(I) = 0.00

HS ...	862.0	862.5	865.0	870.0	875.0	880.0
BS ...	0.0	30.0	7000.0	13100.0	17800.0	21800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
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REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	GMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.002 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.327 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.328 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.109 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.041 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.047 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.082 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.065 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 14 DXM WAS CHANGED TO 0.327 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 15 DXM WAS CHANGED TO 0.109 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 16 DXM WAS CHANGED TO 0.163 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 17 DXM WAS CHANGED TO 0.082 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.239 DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.216 DUE TO (WAVE SPEED * DT) CRITERIA

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AT REACH=    5  DXM WAS CHANGED TO 0.216  DUE TO (WAVE SPEED * DT) CRITERIA

AT REACH=    9  DXM WAS CHANGED TO 0.193  DUE TO (WAVE SPEED * DT) CRITERIA

AT REACH=   10  DXM WAS CHANGED TO 0.183  DUE TO (WAVE SPEED * DT) CRITERIA

AT REACH=   12  DXM WAS CHANGED TO 0.173  DUE TO (WAVE SPEED * DT) CRITERIA

AT REACH=   14  DXM WAS CHANGED TO 0.176  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000   0.002   0.239   0.216   0.216   0.109   0.041   0.047   0.193   0.183   0.082   0.173   0.065   0.176   0.109
  0.163   0.082

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =    195     (MAXIMUM ALLOWABLE =    200
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***                           ***
***  SUMMARY OF OUTPUT DATA   ***
***                           ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1140.00				
2	0.38	1099.00	1	0.38	108.18	
3	0.76	1077.00	2	0.38	58.05	
4	1.14	1047.00	3	0.38	79.37	
5	1.71	1017.00	4	0.57	52.72	
6	1.89	1006.00	5	0.19	58.20	
7	2.08	998.00	6	0.19	42.33	
8	2.27	989.00	7	0.19	47.37	
9	2.46	978.00	8	0.19	58.20	
10	2.65	967.00	9	0.19	57.89	
11	2.84	958.00	10	0.19	47.62	
12	3.03	949.00	11	0.19	47.62	
13	3.41	929.00	12	0.38	52.77	
14	3.79	907.00	13	0.38	58.05	
15	4.17	893.00	14	0.38	36.94	
16	4.36	881.00	15	0.19	63.49	
17	4.55	874.00	16	0.19	37.04	
18	4.74	862.00	17	0.19	63.16	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,I)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1143.44	DEPN=	3.44	YC=	1142.16	DEPC=	2.16	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.379	YN=	1101.41	DEPN=	2.41	YC=	1101.13	DEPC=	2.13	IFR=	0	ITN=	11	ITC=	11
I=	3	X=	0.381	YN=	1101.36	DEPN=	2.49	YC=	1100.90	DEPC=	2.04	IFR=	0	ITN=	11	ITC=	11
I=	4	X=	0.384	YN=	1101.13	DEPN=	2.40	YC=	1100.69	DEPC=	1.96	IFR=	0	ITN=	11	ITC=	11
I=	5	X=	0.386	YN=	1100.92	DEPN=	2.33	YC=	1100.48	DEPC=	1.89	IFR=	0	ITN=	11	ITC=	11
I=	6	X=	0.388	YN=	1100.71	DEPN=	2.25	YC=	1100.29	DEPC=	1.83	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.391	YN=	1100.52	DEPN=	2.19	YC=	1100.09	DEPC=	1.77	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.393	YN=	1100.32	DEPN=	2.13	YC=	1099.91	DEPC=	1.72	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	0.395	YN=	1100.13	DEPN=	2.07	YC=	1099.73	DEPC=	1.68	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	0.398	YN=	1099.95	DEPN=	2.03	YC=	1099.55	DEPC=	1.63	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	0.400	YN=	1099.77	DEPN=	1.98	YC=	1099.39	DEPC=	1.60	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	0.402	YN=	1099.59	DEPN=	1.94	YC=	1099.22	DEPC=	1.57	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	0.405	YN=	1099.42	DEPN=	1.91	YC=	1099.06	DEPC=	1.54	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	0.407	YN=	1099.26	DEPN=	1.88	YC=	1098.89	DEPC=	1.51	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	0.409	YN=	1099.09	DEPN=	1.85	YC=	1098.74	DEPC=	1.50	IFR=	0	ITN=	11	ITC=	11
I=	16	X=	0.412	YN=	1098.93	DEPN=	1.82	YC=	1098.59	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	17	X=	0.414	YN=	1098.76	DEPN=	1.79	YC=	1098.45	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.416	YN=	1098.62	DEPN=	1.77	YC=	1098.30	DEPC=	1.45	IFR=	0	ITN=	11	ITC=	11

I=	19	X=	0.419	YN=	1098.47	DEPN=	1.76	YC=	1098.15	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.421	YN=	1098.30	DEPN=	1.73	YC=	1098.00	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.423	YN=	1098.15	DEPN=	1.72	YC=	1097.85	DEPC=	1.41	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.426	YN=	1098.00	DEPN=	1.70	YC=	1097.70	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.428	YN=	1097.85	DEPN=	1.69	YC=	1097.56	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.430	YN=	1097.70	DEPN=	1.67	YC=	1097.41	DEPC=	1.38	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	0.432	YN=	1097.55	DEPN=	1.66	YC=	1097.28	DEPC=	1.38	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	0.435	YN=	1097.42	DEPN=	1.66	YC=	1097.13	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	0.437	YN=	1097.27	DEPN=	1.64	YC=	1096.99	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	0.439	YN=	1097.12	DEPN=	1.63	YC=	1096.86	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	0.442	YN=	1096.99	DEPN=	1.63	YC=	1096.71	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	0.444	YN=	1096.84	DEPN=	1.61	YC=	1096.58	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	0.446	YN=	1096.70	DEPN=	1.62	YC=	1096.44	DEPC=	1.36	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	0.449	YN=	1096.55	DEPN=	1.60	YC=	1096.29	DEPC=	1.34	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	0.451	YN=	1096.42	DEPN=	1.60	YC=	1096.16	DEPC=	1.34	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	0.453	YN=	1096.27	DEPN=	1.59	YC=	1096.02	DEPC=	1.34	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	0.456	YN=	1096.13	DEPN=	1.59	YC=	1095.87	DEPC=	1.33	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	0.458	YN=	1096.00	DEPN=	1.59	YC=	1095.74	DEPC=	1.33	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	0.460	YN=	1095.85	DEPN=	1.57	YC=	1095.60	DEPC=	1.33	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	0.463	YN=	1095.71	DEPN=	1.57	YC=	1095.45	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	0.465	YN=	1095.58	DEPN=	1.57	YC=	1095.32	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	0.467	YN=	1095.43	DEPN=	1.56	YC=	1095.19	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	0.470	YN=	1095.30	DEPN=	1.56	YC=	1095.05	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	42	X=	0.472	YN=	1095.16	DEPN=	1.56	YC=	1094.90	DEPC=	1.30	IFR=	0	ITN=	11	ITC=	11
I=	43	X=	0.474	YN=	1095.03	DEPN=	1.56	YC=	1094.77	DEPC=	1.30	IFR=	0	ITN=	11	ITC=	11
I=	44	X=	0.477	YN=	1094.89	DEPN=	1.56	YC=	1094.63	DEPC=	1.30	IFR=	0	ITN=	11	ITC=	11
I=	45	X=	0.479	YN=	1094.76	DEPN=	1.56	YC=	1094.50	DEPC=	1.30	IFR=	0	ITN=	11	ITC=	11
I=	46	X=	0.481	YN=	1094.62	DEPN=	1.56	YC=	1094.35	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11
I=	47	X=	0.484	YN=	1094.47	DEPN=	1.55	YC=	1094.21	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11
I=	48	X=	0.486	YN=	1094.34	DEPN=	1.55	YC=	1094.08	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11
I=	49	X=	0.488	YN=	1094.21	DEPN=	1.55	YC=	1093.94	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11
I=	50	X=	0.491	YN=	1094.07	DEPN=	1.55	YC=	1093.81	DEPC=	1.29	IFR=	0	ITN=	11	ITC=	11
I=	51	X=	0.493	YN=	1093.92	DEPN=	1.54	YC=	1093.66	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	52	X=	0.495	YN=	1093.79	DEPN=	1.54	YC=	1093.53	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	0.498	YN=	1093.65	DEPN=	1.54	YC=	1093.39	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	0.500	YN=	1093.52	DEPN=	1.54	YC=	1093.26	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	0.502	YN=	1093.37	DEPN=	1.52	YC=	1093.12	DEPC=	1.28	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	0.505	YN=	1093.23	DEPN=	1.52	YC=	1092.97	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	0.507	YN=	1093.10	DEPN=	1.52	YC=	1092.84	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	0.509	YN=	1092.97	DEPN=	1.52	YC=	1092.70	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	0.512	YN=	1092.82	DEPN=	1.51	YC=	1092.57	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	0.514	YN=	1092.68	DEPN=	1.51	YC=	1092.43	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	0.516	YN=	1092.55	DEPN=	1.51	YC=	1092.30	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	0.519	YN=	1092.41	DEPN=	1.51	YC=	1092.16	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	0.521	YN=	1092.28	DEPN=	1.51	YC=	1092.01	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	0.523	YN=	1092.13	DEPN=	1.50	YC=	1091.88	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	0.525	YN=	1091.99	DEPN=	1.50	YC=	1091.75	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	0.528	YN=	1091.86	DEPN=	1.50	YC=	1091.61	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	0.530	YN=	1091.73	DEPN=	1.50	YC=	1091.48	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	0.532	YN=	1091.59	DEPN=	1.50	YC=	1091.34	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	0.535	YN=	1091.44	DEPN=	1.48	YC=	1091.21	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	0.537	YN=	1091.31	DEPN=	1.48	YC=	1091.06	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	0.539	YN=	1091.17	DEPN=	1.49	YC=	1090.92	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	0.542	YN=	1091.04	DEPN=	1.49	YC=	1090.79	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	0.544	YN=	1090.90	DEPN=	1.49	YC=	1090.65	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	0.546	YN=	1090.77	DEPN=	1.49	YC=	1090.52	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	0.549	YN=	1090.62	DEPN=	1.47	YC=	1090.39	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	76	X=	0.551	YN=	1090.48	DEPN=	1.47	YC=	1090.25	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	77	X=	0.553	YN=	1090.35	DEPN=	1.47	YC=	1090.12	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	78	X=	0.556	YN=	1090.22	DEPN=	1.47	YC=	1089.98	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11

I=	79	X=	0.558	YN=	1090.08	DEPN=	1.47	YC=	1089.83	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	80	X=	0.560	YN=	1089.95	DEPN=	1.47	YC=	1089.70	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	0.563	YN=	1089.80	DEPN=	1.46	YC=	1089.56	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	82	X=	0.565	YN=	1089.66	DEPN=	1.46	YC=	1089.43	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	83	X=	0.567	YN=	1089.53	DEPN=	1.46	YC=	1089.29	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	84	X=	0.570	YN=	1089.39	DEPN=	1.46	YC=	1089.16	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	85	X=	0.572	YN=	1089.26	DEPN=	1.46	YC=	1089.02	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	86	X=	0.574	YN=	1089.13	DEPN=	1.46	YC=	1088.89	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	87	X=	0.577	YN=	1088.99	DEPN=	1.46	YC=	1088.76	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	88	X=	0.579	YN=	1088.86	DEPN=	1.46	YC=	1088.62	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	89	X=	0.581	YN=	1088.71	DEPN=	1.45	YC=	1088.47	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	90	X=	0.584	YN=	1088.57	DEPN=	1.45	YC=	1088.34	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	91	X=	0.586	YN=	1088.44	DEPN=	1.45	YC=	1088.20	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	92	X=	0.588	YN=	1088.30	DEPN=	1.45	YC=	1088.07	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	93	X=	0.591	YN=	1088.17	DEPN=	1.45	YC=	1087.93	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	94	X=	0.593	YN=	1088.03	DEPN=	1.45	YC=	1087.80	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	95	X=	0.595	YN=	1087.90	DEPN=	1.45	YC=	1087.66	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	96	X=	0.598	YN=	1087.77	DEPN=	1.45	YC=	1087.53	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	97	X=	0.600	YN=	1087.63	DEPN=	1.45	YC=	1087.40	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	98	X=	0.602	YN=	1087.48	DEPN=	1.44	YC=	1087.26	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	99	X=	0.605	YN=	1087.35	DEPN=	1.44	YC=	1087.13	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	100	X=	0.607	YN=	1087.21	DEPN=	1.44	YC=	1086.99	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	101	X=	0.609	YN=	1087.08	DEPN=	1.44	YC=	1086.86	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	102	X=	0.612	YN=	1086.94	DEPN=	1.44	YC=	1086.71	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	103	X=	0.614	YN=	1086.81	DEPN=	1.44	YC=	1086.57	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	104	X=	0.616	YN=	1086.67	DEPN=	1.44	YC=	1086.44	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	105	X=	0.618	YN=	1086.54	DEPN=	1.44	YC=	1086.30	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	106	X=	0.621	YN=	1086.41	DEPN=	1.44	YC=	1086.17	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	107	X=	0.623	YN=	1086.26	DEPN=	1.43	YC=	1086.03	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	108	X=	0.625	YN=	1086.12	DEPN=	1.43	YC=	1085.90	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	109	X=	0.628	YN=	1085.99	DEPN=	1.43	YC=	1085.77	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	110	X=	0.630	YN=	1085.85	DEPN=	1.43	YC=	1085.63	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	111	X=	0.632	YN=	1085.72	DEPN=	1.43	YC=	1085.50	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	112	X=	0.635	YN=	1085.58	DEPN=	1.43	YC=	1085.36	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	113	X=	0.637	YN=	1085.45	DEPN=	1.43	YC=	1085.23	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	114	X=	0.639	YN=	1085.31	DEPN=	1.43	YC=	1085.09	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	115	X=	0.642	YN=	1085.18	DEPN=	1.43	YC=	1084.96	DEPC=	1.21	IFR=	0	ITN=	11	ITC=	11
I=	116	X=	0.644	YN=	1085.05	DEPN=	1.43	YC=	1084.81	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	117	X=	0.646	YN=	1084.91	DEPN=	1.43	YC=	1084.67	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	118	X=	0.649	YN=	1084.76	DEPN=	1.42	YC=	1084.54	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	119	X=	0.651	YN=	1084.63	DEPN=	1.42	YC=	1084.40	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	120	X=	0.653	YN=	1084.49	DEPN=	1.42	YC=	1084.27	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	121	X=	0.656	YN=	1084.36	DEPN=	1.42	YC=	1084.14	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	122	X=	0.658	YN=	1084.22	DEPN=	1.42	YC=	1084.00	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	123	X=	0.660	YN=	1084.09	DEPN=	1.42	YC=	1083.87	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	124	X=	0.663	YN=	1083.95	DEPN=	1.42	YC=	1083.73	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	125	X=	0.665	YN=	1083.82	DEPN=	1.42	YC=	1083.60	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	126	X=	0.667	YN=	1083.69	DEPN=	1.42	YC=	1083.46	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	127	X=	0.670	YN=	1083.55	DEPN=	1.42	YC=	1083.33	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	128	X=	0.672	YN=	1083.42	DEPN=	1.42	YC=	1083.19	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	129	X=	0.674	YN=	1083.28	DEPN=	1.42	YC=	1083.06	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	130	X=	0.677	YN=	1083.13	DEPN=	1.41	YC=	1082.92	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	131	X=	0.679	YN=	1083.00	DEPN=	1.41	YC=	1082.79	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	132	X=	0.681	YN=	1082.86	DEPN=	1.41	YC=	1082.66	DEPC=	1.20	IFR=	0	ITN=	11	ITC=	11
I=	133	X=	0.684	YN=	1082.73	DEPN=	1.41	YC=	1082.51	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	134	X=	0.686	YN=	1082.59	DEPN=	1.41	YC=	1082.37	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	135	X=	0.688	YN=	1082.46	DEPN=	1.41	YC=	1082.24	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	136	X=	0.691	YN=	1082.32	DEPN=	1.41	YC=	1082.10	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	137	X=	0.693	YN=	1082.19	DEPN=	1.41	YC=	1081.97	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	138	X=	0.695	YN=	1082.06	DEPN=	1.41	YC=	1081.83	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11

I=	139	X=	0.698	YN=	1081.92	DEPN=	1.41	YC=	1081.70	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	140	X=	0.700	YN=	1081.79	DEPN=	1.41	YC=	1081.56	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	141	X=	0.702	YN=	1081.65	DEPN=	1.41	YC=	1081.43	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	142	X=	0.705	YN=	1081.52	DEPN=	1.41	YC=	1081.29	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	143	X=	0.707	YN=	1081.38	DEPN=	1.41	YC=	1081.16	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	144	X=	0.709	YN=	1081.23	DEPN=	1.40	YC=	1081.03	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	145	X=	0.711	YN=	1081.10	DEPN=	1.40	YC=	1080.89	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	146	X=	0.714	YN=	1080.96	DEPN=	1.40	YC=	1080.76	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	147	X=	0.716	YN=	1080.83	DEPN=	1.40	YC=	1080.62	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	148	X=	0.718	YN=	1080.70	DEPN=	1.40	YC=	1080.49	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	149	X=	0.721	YN=	1080.56	DEPN=	1.40	YC=	1080.35	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	150	X=	0.723	YN=	1080.43	DEPN=	1.40	YC=	1080.22	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	151	X=	0.725	YN=	1080.29	DEPN=	1.40	YC=	1080.07	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	152	X=	0.728	YN=	1080.16	DEPN=	1.40	YC=	1079.93	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	153	X=	0.730	YN=	1080.02	DEPN=	1.40	YC=	1079.80	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	154	X=	0.732	YN=	1079.89	DEPN=	1.40	YC=	1079.66	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	155	X=	0.735	YN=	1079.75	DEPN=	1.40	YC=	1079.53	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	156	X=	0.737	YN=	1079.62	DEPN=	1.41	YC=	1079.40	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	157	X=	0.739	YN=	1079.49	DEPN=	1.41	YC=	1079.26	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	158	X=	0.742	YN=	1079.35	DEPN=	1.41	YC=	1079.13	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	159	X=	0.744	YN=	1079.22	DEPN=	1.41	YC=	1078.99	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	160	X=	0.746	YN=	1079.07	DEPN=	1.39	YC=	1078.86	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	161	X=	0.749	YN=	1078.93	DEPN=	1.39	YC=	1078.72	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	162	X=	0.751	YN=	1078.80	DEPN=	1.39	YC=	1078.59	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	163	X=	0.753	YN=	1078.66	DEPN=	1.39	YC=	1078.45	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	164	X=	0.756	YN=	1078.53	DEPN=	1.39	YC=	1078.32	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	165	X=	0.758	YN=	1078.39	DEPN=	1.39	YC=	1078.18	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	166	X=	1.136	YN=	1048.52	DEPN=	1.52	YC=	1048.31	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	167	X=	1.421	YN=	1033.43	DEPN=	1.43	YC=	1033.18	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	168	X=	1.705	YN=	1018.26	DEPN=	1.26	YC=	1018.10	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	169	X=	1.894	YN=	1007.39	DEPN=	1.39	YC=	1007.17	DEPC=	1.17	IFR=	0	ITN=	11	ITC=	11
I=	170	X=	2.083	YN=	999.13	DEPN=	1.13	YC=	998.99	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	171	X=	2.131	YN=	996.91	DEPN=	1.16	YC=	996.73	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	172	X=	2.178	YN=	994.63	DEPN=	1.13	YC=	994.45	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	173	X=	2.226	YN=	992.36	DEPN=	1.11	YC=	992.17	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	174	X=	2.273	YN=	990.03	DEPN=	1.03	YC=	989.89	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	175	X=	2.320	YN=	987.34	DEPN=	1.09	YC=	987.18	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	176	X=	2.368	YN=	984.64	DEPN=	1.14	YC=	984.47	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	177	X=	2.415	YN=	981.92	DEPN=	1.17	YC=	981.75	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	178	X=	2.462	YN=	979.23	DEPN=	1.23	YC=	979.03	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	179	X=	2.652	YN=	968.40	DEPN=	1.40	YC=	968.17	DEPC=	1.17	IFR=	0	ITN=	11	ITC=	11
I=	180	X=	2.841	YN=	959.15	DEPN=	1.15	YC=	959.00	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	181	X=	2.936	YN=	954.60	DEPN=	1.10	YC=	954.43	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	182	X=	3.030	YN=	949.97	DEPN=	0.97	YC=	949.83	DEPC=	0.83	IFR=	0	ITN=	11	ITC=	11
I=	183	X=	3.220	YN=	939.99	DEPN=	0.99	YC=	939.85	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	184	X=	3.409	YN=	929.98	DEPN=	0.98	YC=	929.88	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	185	X=	3.485	YN=	925.73	DEPN=	1.13	YC=	925.57	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	186	X=	3.561	YN=	921.42	DEPN=	1.22	YC=	921.23	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	187	X=	3.636	YN=	917.07	DEPN=	1.27	YC=	916.88	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	188	X=	3.712	YN=	912.72	DEPN=	1.32	YC=	912.52	DEPC=	1.12	IFR=	0	ITN=	11	ITC=	11
I=	189	X=	3.788	YN=	908.47	DEPN=	1.47	YC=	908.15	DEPC=	1.15	IFR=	0	ITN=	11	ITC=	11
I=	190	X=	3.978	YN=	901.30	DEPN=	1.30	YC=	901.06	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	191	X=	4.167	YN=	894.13	DEPN=	1.13	YC=	893.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	192	X=	4.356	YN=	882.36	DEPN=	1.36	YC=	882.14	DEPC=	1.14	IFR=	0	ITN=	10	ITC=	10
I=	193	X=	4.545	YN=	875.43	DEPN=	1.43	YC=	875.23	DEPC=	1.23	IFR=	0	ITN=	11	ITC=	11
I=	194	X=	4.640	YN=	869.35	DEPN=	1.35	YC=	869.17	DEPC=	1.17	IFR=	0	ITN=	11	ITC=	11
I=	195	X=	4.735	YN=	863.20	DEPN=	1.20	YC=	863.08	DEPC=	1.08	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1, N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0					

IN=	195	YNN=	863.20	DEP=	1.20								
	I=	194	X=	4.640	QIL=	1500.	YIL=	869.40	DEP=	1.40	ITB=	4
	I=	193	X=	4.545	QIL=	1500.	YIL=	875.38	DEP=	1.38	ITB=	4
	I=	192	X=	4.356	QIL=	1500.	YIL=	882.52	DEP=	1.52	ITB=	6
	I=	191	X=	4.167	QIL=	1500.	YIL=	893.96	DEP=	0.96	ITB=	4
	I=	190	X=	3.978	QIL=	1500.	YIL=	901.49	DEP=	1.49	ITB=	4
	I=	189	X=	3.788	QIL=	1500.	YIL=	908.13	DEP=	1.13	ITB=	5
	I=	188	X=	3.712	QIL=	1500.	YIL=	912.87	DEP=	1.47	ITB=	3
	I=	187	X=	3.636	QIL=	1500.	YIL=	916.92	DEP=	1.12	ITB=	5
	I=	186	X=	3.561	QIL=	1500.	YIL=	921.51	DEP=	1.31	ITB=	4
	I=	185	X=	3.485	QIL=	1500.	YIL=	925.65	DEP=	1.05	ITB=	4
	I=	184	X=	3.409	QIL=	1500.	YIL=	930.07	DEP=	1.07	ITB=	5
	I=	183	X=	3.220	QIL=	1500.	YIL=	939.95	DEP=	0.95	ITB=	5
	I=	182	X=	3.030	QIL=	1500.	YIL=	949.99	DEP=	0.99	ITB=	4
	I=	181	X=	2.936	QIL=	1500.	YIL=	954.56	DEP=	1.06	ITB=	4
	I=	180	X=	2.841	QIL=	1500.	YIL=	959.24	DEP=	1.24	ITB=	4
	I=	179	X=	2.652	QIL=	1500.	YIL=	968.36	DEP=	1.36	ITB=	4
	I=	178	X=	2.462	QIL=	1500.	YIL=	979.22	DEP=	1.22	ITB=	3
	I=	177	X=	2.415	QIL=	1500.	YIL=	981.90	DEP=	1.15	ITB=	4
	I=	176	X=	2.368	QIL=	1500.	YIL=	984.66	DEP=	1.16	ITB=	4
	I=	175	X=	2.320	QIL=	1500.	YIL=	987.34	DEP=	1.09	ITB=	4
	I=	174	X=	2.273	QIL=	1500.	YIL=	990.04	DEP=	1.04	ITB=	5
	I=	173	X=	2.226	QIL=	1500.	YIL=	992.36	DEP=	1.11	ITB=	4
	I=	172	X=	2.178	QIL=	1500.	YIL=	994.63	DEP=	1.13	ITB=	4
	I=	171	X=	2.131	QIL=	1500.	YIL=	996.92	DEP=	1.17	ITB=	4
	I=	170	X=	2.083	QIL=	1500.	YIL=	999.18	DEP=	1.18	ITB=	4
	I=	169	X=	1.894	QIL=	1500.	YIL=	1007.47	DEP=	1.47	ITB=	4
	I=	168	X=	1.705	QIL=	1500.	YIL=	1018.24	DEP=	1.24	ITB=	4
	I=	167	X=	1.421	QIL=	1500.	YIL=	1033.51	DEP=	1.51	ITB=	4
	I=	166	X=	1.136	QIL=	1500.	YIL=	1048.47	DEP=	1.47	ITB=	4
	I=	165	X=	0.758	QIL=	1500.	YIL=	1078.37	DEP=	1.38	ITB=	4
	I=	164	X=	0.756	QIL=	1500.	YIL=	1078.53	DEP=	1.39	ITB=	6
	I=	163	X=	0.753	QIL=	1500.	YIL=	1078.67	DEP=	1.40	ITB=	6
	I=	162	X=	0.751	QIL=	1500.	YIL=	1078.80	DEP=	1.40	ITB=	6
	I=	161	X=	0.749	QIL=	1500.	YIL=	1078.94	DEP=	1.40	ITB=	6
	I=	160	X=	0.746	QIL=	1500.	YIL=	1079.07	DEP=	1.40	ITB=	6
	I=	159	X=	0.744	QIL=	1500.	YIL=	1079.21	DEP=	1.40	ITB=	6
	I=	158	X=	0.742	QIL=	1500.	YIL=	1079.35	DEP=	1.40	ITB=	6

I=	157	X=	0.739	QIL=	1500.	YIL=	1079.48	DEP=	1.40	ITB=	6
I=	156	X=	0.737	QIL=	1500.	YIL=	1079.62	DEP=	1.40	ITB=	6
I=	155	X=	0.735	QIL=	1500.	YIL=	1079.75	DEP=	1.40	ITB=	6
I=	154	X=	0.732	QIL=	1500.	YIL=	1079.89	DEP=	1.40	ITB=	6
I=	153	X=	0.730	QIL=	1500.	YIL=	1080.02	DEP=	1.40	ITB=	6
I=	152	X=	0.728	QIL=	1500.	YIL=	1080.16	DEP=	1.40	ITB=	6
I=	151	X=	0.725	QIL=	1500.	YIL=	1080.29	DEP=	1.40	ITB=	6
I=	150	X=	0.723	QIL=	1500.	YIL=	1080.43	DEP=	1.40	ITB=	6
I=	149	X=	0.721	QIL=	1500.	YIL=	1080.56	DEP=	1.40	ITB=	6
I=	148	X=	0.718	QIL=	1500.	YIL=	1080.70	DEP=	1.41	ITB=	6
I=	147	X=	0.716	QIL=	1500.	YIL=	1080.84	DEP=	1.41	ITB=	6
I=	146	X=	0.714	QIL=	1500.	YIL=	1080.97	DEP=	1.41	ITB=	6
I=	145	X=	0.711	QIL=	1500.	YIL=	1081.11	DEP=	1.41	ITB=	6
I=	144	X=	0.709	QIL=	1500.	YIL=	1081.24	DEP=	1.41	ITB=	6
I=	143	X=	0.707	QIL=	1500.	YIL=	1081.38	DEP=	1.41	ITB=	6
I=	142	X=	0.705	QIL=	1500.	YIL=	1081.51	DEP=	1.41	ITB=	6
I=	141	X=	0.702	QIL=	1500.	YIL=	1081.65	DEP=	1.41	ITB=	6
I=	140	X=	0.700	QIL=	1500.	YIL=	1081.78	DEP=	1.41	ITB=	6
I=	139	X=	0.698	QIL=	1500.	YIL=	1081.92	DEP=	1.41	ITB=	6
I=	138	X=	0.695	QIL=	1500.	YIL=	1082.06	DEP=	1.41	ITB=	6
I=	137	X=	0.693	QIL=	1500.	YIL=	1082.19	DEP=	1.41	ITB=	6
I=	136	X=	0.691	QIL=	1500.	YIL=	1082.33	DEP=	1.41	ITB=	6
I=	135	X=	0.688	QIL=	1500.	YIL=	1082.46	DEP=	1.41	ITB=	6
I=	134	X=	0.686	QIL=	1500.	YIL=	1082.60	DEP=	1.41	ITB=	6
I=	133	X=	0.684	QIL=	1500.	YIL=	1082.73	DEP=	1.41	ITB=	6
I=	132	X=	0.681	QIL=	1500.	YIL=	1082.87	DEP=	1.41	ITB=	6
I=	131	X=	0.679	QIL=	1500.	YIL=	1083.00	DEP=	1.42	ITB=	6
I=	130	X=	0.677	QIL=	1500.	YIL=	1083.14	DEP=	1.42	ITB=	6
I=	129	X=	0.674	QIL=	1500.	YIL=	1083.28	DEP=	1.42	ITB=	6
I=	128	X=	0.672	QIL=	1500.	YIL=	1083.41	DEP=	1.42	ITB=	6
I=	127	X=	0.670	QIL=	1500.	YIL=	1083.55	DEP=	1.42	ITB=	6
I=	126	X=	0.667	QIL=	1500.	YIL=	1083.68	DEP=	1.42	ITB=	6
I=	125	X=	0.665	QIL=	1500.	YIL=	1083.82	DEP=	1.42	ITB=	6
I=	124	X=	0.663	QIL=	1500.	YIL=	1083.95	DEP=	1.42	ITB=	6
I=	123	X=	0.660	QIL=	1500.	YIL=	1084.09	DEP=	1.42	ITB=	6
I=	122	X=	0.658	QIL=	1500.	YIL=	1084.23	DEP=	1.42	ITB=	6
I=	121	X=	0.656	QIL=	1500.	YIL=	1084.36	DEP=	1.42	ITB=	6
I=	120	X=	0.653	QIL=	1500.	YIL=	1084.50	DEP=	1.42	ITB=	6
I=	119	X=	0.651	QIL=	1500.	YIL=	1084.63	DEP=	1.42	ITB=	6
I=	118	X=	0.649	QIL=	1500.	YIL=	1084.77	DEP=	1.42	ITB=	6
I=	117	X=	0.646	QIL=	1500.	YIL=	1084.90	DEP=	1.43	ITB=	6
I=	116	X=	0.644	QIL=	1500.	YIL=	1085.04	DEP=	1.43	ITB=	6
I=	115	X=	0.642	QIL=	1500.	YIL=	1085.18	DEP=	1.43	ITB=	6
I=	114	X=	0.639	QIL=	1500.	YIL=	1085.31	DEP=	1.43	ITB=	6
I=	113	X=	0.637	QIL=	1500.	YIL=	1085.45	DEP=	1.43	ITB=	6
I=	112	X=	0.635	QIL=	1500.	YIL=	1085.58	DEP=	1.43	ITB=	6
I=	111	X=	0.632	QIL=	1500.	YIL=	1085.72	DEP=	1.43	ITB=	6
I=	110	X=	0.630	QIL=	1500.	YIL=	1085.85	DEP=	1.43	ITB=	6
I=	109	X=	0.628	QIL=	1500.	YIL=	1085.99	DEP=	1.43	ITB=	6
I=	108	X=	0.625	QIL=	1500.	YIL=	1086.13	DEP=	1.43	ITB=	6
I=	107	X=	0.623	QIL=	1500.	YIL=	1086.26	DEP=	1.43	ITB=	6
I=	106	X=	0.621	QIL=	1500.	YIL=	1086.40	DEP=	1.44	ITB=	6
I=	105	X=	0.618	QIL=	1500.	YIL=	1086.53	DEP=	1.44	ITB=	6
I=	104	X=	0.616	QIL=	1500.	YIL=	1086.67	DEP=	1.44	ITB=	6
I=	103	X=	0.614	QIL=	1500.	YIL=	1086.81	DEP=	1.44	ITB=	6
I=	102	X=	0.612	QIL=	1500.	YIL=	1086.94	DEP=	1.44	ITB=	6
I=	101	X=	0.609	QIL=	1500.	YIL=	1087.08	DEP=	1.44	ITB=	6
I=	100	X=	0.607	QIL=	1500.	YIL=	1087.21	DEP=	1.44	ITB=	6
I=	99	X=	0.605	QIL=	1500.	YIL=	1087.35	DEP=	1.44	ITB=	6
I=	98	X=	0.602	QIL=	1500.	YIL=	1087.49	DEP=	1.44	ITB=	6

I=	97	X=	0.600	QIL=	1500.	YIL=	1087.62	DEP=	1.44	ITB=	6
I=	96	X=	0.598	QIL=	1500.	YIL=	1087.76	DEP=	1.45	ITB=	6
I=	95	X=	0.595	QIL=	1500.	YIL=	1087.89	DEP=	1.45	ITB=	6
I=	94	X=	0.593	QIL=	1500.	YIL=	1088.03	DEP=	1.45	ITB=	6
I=	93	X=	0.591	QIL=	1500.	YIL=	1088.17	DEP=	1.45	ITB=	6
I=	92	X=	0.588	QIL=	1500.	YIL=	1088.30	DEP=	1.45	ITB=	6
I=	91	X=	0.586	QIL=	1500.	YIL=	1088.44	DEP=	1.45	ITB=	6
I=	90	X=	0.584	QIL=	1500.	YIL=	1088.58	DEP=	1.45	ITB=	6
I=	89	X=	0.581	QIL=	1500.	YIL=	1088.71	DEP=	1.45	ITB=	6
I=	88	X=	0.579	QIL=	1500.	YIL=	1088.85	DEP=	1.46	ITB=	6
I=	87	X=	0.577	QIL=	1500.	YIL=	1088.98	DEP=	1.46	ITB=	6
I=	86	X=	0.574	QIL=	1500.	YIL=	1089.12	DEP=	1.46	ITB=	6
I=	85	X=	0.572	QIL=	1500.	YIL=	1089.26	DEP=	1.46	ITB=	6
I=	84	X=	0.570	QIL=	1500.	YIL=	1089.39	DEP=	1.46	ITB=	6
I=	83	X=	0.567	QIL=	1500.	YIL=	1089.53	DEP=	1.46	ITB=	6
I=	82	X=	0.565	QIL=	1500.	YIL=	1089.67	DEP=	1.46	ITB=	6
I=	81	X=	0.563	QIL=	1500.	YIL=	1089.80	DEP=	1.47	ITB=	6
I=	80	X=	0.560	QIL=	1500.	YIL=	1089.94	DEP=	1.47	ITB=	6
I=	79	X=	0.558	QIL=	1500.	YIL=	1090.08	DEP=	1.47	ITB=	6
I=	78	X=	0.556	QIL=	1500.	YIL=	1090.21	DEP=	1.47	ITB=	6
I=	77	X=	0.553	QIL=	1500.	YIL=	1090.35	DEP=	1.47	ITB=	6
I=	76	X=	0.551	QIL=	1500.	YIL=	1090.49	DEP=	1.47	ITB=	6
I=	75	X=	0.549	QIL=	1500.	YIL=	1090.62	DEP=	1.48	ITB=	6
I=	74	X=	0.546	QIL=	1500.	YIL=	1090.76	DEP=	1.48	ITB=	6
I=	73	X=	0.544	QIL=	1500.	YIL=	1090.90	DEP=	1.48	ITB=	6
I=	72	X=	0.542	QIL=	1500.	YIL=	1091.03	DEP=	1.48	ITB=	6
I=	71	X=	0.539	QIL=	1500.	YIL=	1091.17	DEP=	1.48	ITB=	6
I=	70	X=	0.537	QIL=	1500.	YIL=	1091.31	DEP=	1.49	ITB=	6
I=	69	X=	0.535	QIL=	1500.	YIL=	1091.44	DEP=	1.49	ITB=	6
I=	68	X=	0.532	QIL=	1500.	YIL=	1091.58	DEP=	1.49	ITB=	6
I=	67	X=	0.530	QIL=	1500.	YIL=	1091.72	DEP=	1.49	ITB=	6
I=	66	X=	0.528	QIL=	1500.	YIL=	1091.86	DEP=	1.49	ITB=	6
I=	65	X=	0.525	QIL=	1500.	YIL=	1091.99	DEP=	1.50	ITB=	6
I=	64	X=	0.523	QIL=	1500.	YIL=	1092.13	DEP=	1.50	ITB=	6
I=	63	X=	0.521	QIL=	1500.	YIL=	1092.27	DEP=	1.50	ITB=	6
I=	62	X=	0.519	QIL=	1500.	YIL=	1092.41	DEP=	1.50	ITB=	6
I=	61	X=	0.516	QIL=	1500.	YIL=	1092.54	DEP=	1.51	ITB=	6
I=	60	X=	0.514	QIL=	1500.	YIL=	1092.68	DEP=	1.51	ITB=	6
I=	59	X=	0.512	QIL=	1500.	YIL=	1092.82	DEP=	1.51	ITB=	6
I=	58	X=	0.509	QIL=	1500.	YIL=	1092.96	DEP=	1.51	ITB=	6
I=	57	X=	0.507	QIL=	1500.	YIL=	1093.09	DEP=	1.52	ITB=	6
I=	56	X=	0.505	QIL=	1500.	YIL=	1093.23	DEP=	1.52	ITB=	6
I=	55	X=	0.502	QIL=	1500.	YIL=	1093.37	DEP=	1.52	ITB=	6
I=	54	X=	0.500	QIL=	1500.	YIL=	1093.51	DEP=	1.53	ITB=	6
I=	53	X=	0.498	QIL=	1500.	YIL=	1093.65	DEP=	1.53	ITB=	6
I=	52	X=	0.495	QIL=	1500.	YIL=	1093.78	DEP=	1.53	ITB=	6
I=	51	X=	0.493	QIL=	1500.	YIL=	1093.92	DEP=	1.54	ITB=	6
I=	50	X=	0.491	QIL=	1500.	YIL=	1094.06	DEP=	1.54	ITB=	6
I=	49	X=	0.488	QIL=	1500.	YIL=	1094.20	DEP=	1.54	ITB=	6
I=	48	X=	0.486	QIL=	1500.	YIL=	1094.34	DEP=	1.55	ITB=	6
I=	47	X=	0.484	QIL=	1500.	YIL=	1094.48	DEP=	1.55	ITB=	5
I=	46	X=	0.481	QIL=	1500.	YIL=	1094.62	DEP=	1.55	ITB=	5
I=	45	X=	0.479	QIL=	1500.	YIL=	1094.75	DEP=	1.56	ITB=	5
I=	44	X=	0.477	QIL=	1500.	YIL=	1094.89	DEP=	1.56	ITB=	5
I=	43	X=	0.474	QIL=	1500.	YIL=	1095.03	DEP=	1.56	ITB=	5
I=	42	X=	0.472	QIL=	1500.	YIL=	1095.16	DEP=	1.56	ITB=	5
I=	41	X=	0.470	QIL=	1500.	YIL=	1095.30	DEP=	1.56	ITB=	5
I=	40	X=	0.467	QIL=	1500.	YIL=	1095.44	DEP=	1.56	ITB=	5
I=	39	X=	0.465	QIL=	1500.	YIL=	1095.57	DEP=	1.57	ITB=	5
I=	38	X=	0.463	QIL=	1500.	YIL=	1095.71	DEP=	1.57	ITB=	5

I=	37	X=	0.460	QIL=	1500.	YIL=	1095.85	DEP=	1.57	ITB=	5
I=	36	X=	0.458	QIL=	1500.	YIL=	1095.99	DEP=	1.58	ITB=	5
I=	35	X=	0.456	QIL=	1500.	YIL=	1096.13	DEP=	1.58	ITB=	5
I=	34	X=	0.453	QIL=	1500.	YIL=	1096.27	DEP=	1.58	ITB=	5
I=	33	X=	0.451	QIL=	1500.	YIL=	1096.41	DEP=	1.59	ITB=	5
I=	32	X=	0.449	QIL=	1500.	YIL=	1096.55	DEP=	1.59	ITB=	5
I=	31	X=	0.446	QIL=	1500.	YIL=	1096.69	DEP=	1.60	ITB=	5
I=	30	X=	0.444	QIL=	1500.	YIL=	1096.83	DEP=	1.61	ITB=	5
I=	29	X=	0.442	QIL=	1500.	YIL=	1096.97	DEP=	1.61	ITB=	5
I=	28	X=	0.439	QIL=	1500.	YIL=	1097.11	DEP=	1.62	ITB=	5
I=	27	X=	0.437	QIL=	1500.	YIL=	1097.25	DEP=	1.63	ITB=	5
I=	26	X=	0.435	QIL=	1500.	YIL=	1097.40	DEP=	1.64	ITB=	5
I=	25	X=	0.432	QIL=	1500.	YIL=	1097.54	DEP=	1.64	ITB=	5
I=	24	X=	0.430	QIL=	1500.	YIL=	1097.69	DEP=	1.65	ITB=	5
I=	23	X=	0.428	QIL=	1500.	YIL=	1097.83	DEP=	1.67	ITB=	5
I=	22	X=	0.426	QIL=	1500.	YIL=	1097.98	DEP=	1.68	ITB=	5
I=	21	X=	0.423	QIL=	1500.	YIL=	1098.13	DEP=	1.69	ITB=	5
I=	20	X=	0.421	QIL=	1500.	YIL=	1098.27	DEP=	1.70	ITB=	5
I=	19	X=	0.419	QIL=	1500.	YIL=	1098.43	DEP=	1.72	ITB=	5
I=	18	X=	0.416	QIL=	1500.	YIL=	1098.58	DEP=	1.74	ITB=	5
I=	17	X=	0.414	QIL=	1500.	YIL=	1098.73	DEP=	1.75	ITB=	5
I=	16	X=	0.412	QIL=	1500.	YIL=	1098.88	DEP=	1.77	ITB=	5
I=	15	X=	0.409	QIL=	1500.	YIL=	1099.04	DEP=	1.80	ITB=	5
I=	14	X=	0.407	QIL=	1500.	YIL=	1099.20	DEP=	1.82	ITB=	5
I=	13	X=	0.405	QIL=	1500.	YIL=	1099.36	DEP=	1.84	ITB=	5
I=	12	X=	0.402	QIL=	1500.	YIL=	1099.52	DEP=	1.87	ITB=	5
I=	11	X=	0.400	QIL=	1500.	YIL=	1099.69	DEP=	1.90	ITB=	5
I=	10	X=	0.398	QIL=	1500.	YIL=	1099.86	DEP=	1.94	ITB=	5
I=	9	X=	0.395	QIL=	1500.	YIL=	1100.03	DEP=	1.98	ITB=	5
I=	8	X=	0.393	QIL=	1500.	YIL=	1100.21	DEP=	2.02	ITB=	5
I=	7	X=	0.391	QIL=	1500.	YIL=	1100.39	DEP=	2.06	ITB=	6
I=	6	X=	0.388	QIL=	1500.	YIL=	1100.57	DEP=	2.11	ITB=	6
I=	5	X=	0.386	QIL=	1500.	YIL=	1100.77	DEP=	2.17	ITB=	6
I=	4	X=	0.384	QIL=	1500.	YIL=	1100.97	DEP=	2.24	ITB=	6
I=	3	X=	0.381	QIL=	1500.	YIL=	1101.17	DEP=	2.31	ITB=	6
I=	2	X=	0.379	QIL=	1500.	YIL=	1101.39	DEP=	2.39	ITB=	6
I=	1	X=	0.000	QIL=	1500.	YIL=	1163.20	DEP=	23.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

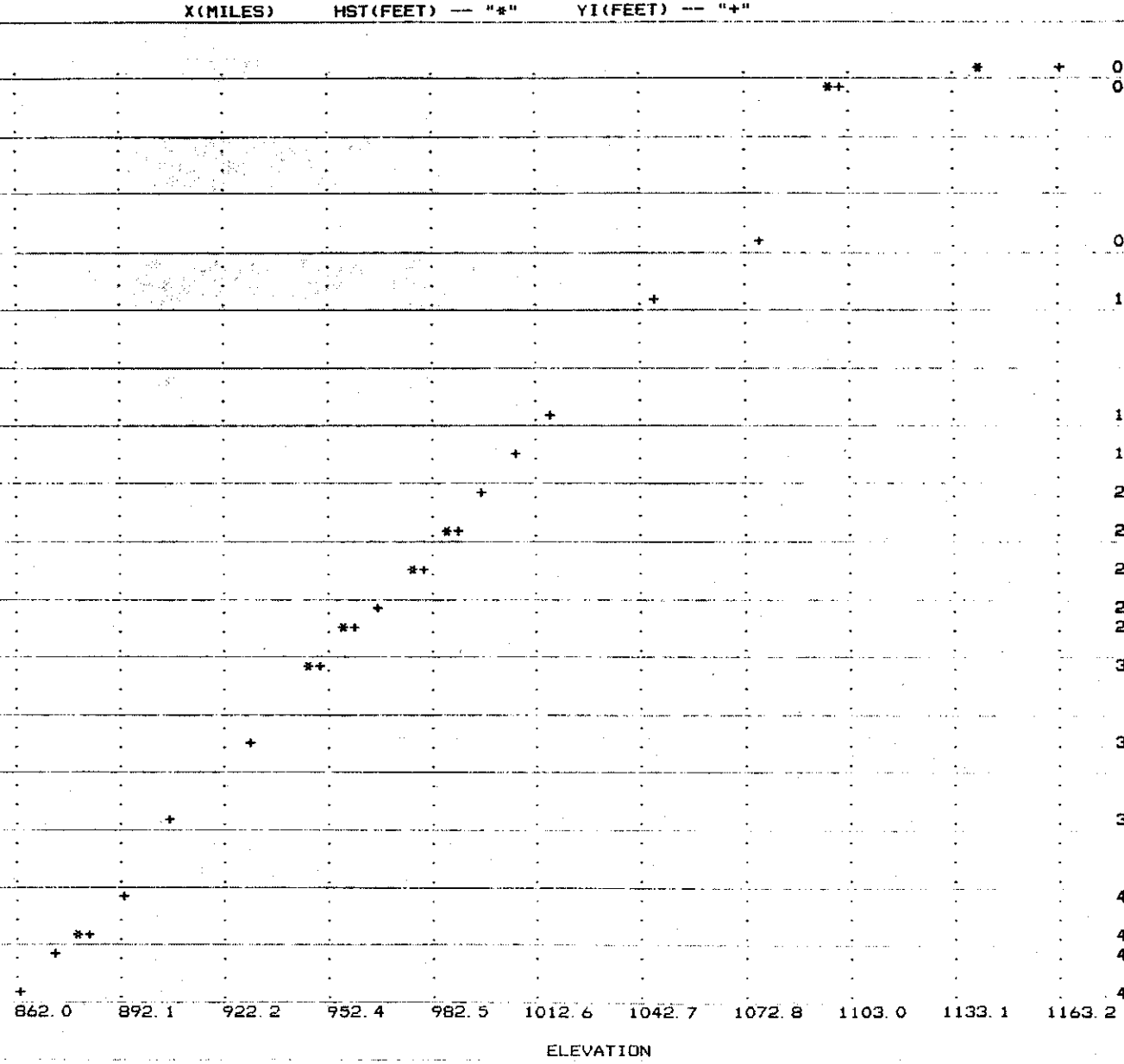
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.

1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.					

(YI(I), I=1, N)

1163.20	1101.39	1101.17	1100.97	1100.77	1100.57	1100.39	1100.21
1100.03	1099.86	1099.69	1099.52	1099.36	1099.20	1099.04	1098.88
1098.73	1098.58	1098.43	1098.27	1098.13	1097.98	1097.83	1097.69
1097.54	1097.40	1097.25	1097.11	1096.97	1096.83	1096.69	1096.55
1096.41	1096.27	1096.13	1095.99	1095.85	1095.71	1095.57	1095.44
1095.30	1095.16	1095.03	1094.89	1094.75	1094.62	1094.48	1094.34
1094.20	1094.06	1093.92	1093.78	1093.65	1093.51	1093.37	1093.23
1093.09	1092.96	1092.82	1092.68	1092.54	1092.41	1092.27	1092.13
1091.99	1091.86	1091.72	1091.58	1091.44	1091.31	1091.17	1091.03
1090.90	1090.76	1090.62	1090.49	1090.35	1090.21	1090.08	1089.94
1089.80	1089.67	1089.53	1089.39	1089.26	1089.12	1088.98	1088.85
1088.71	1088.58	1088.44	1088.30	1088.17	1088.03	1087.89	1087.76
1087.62	1087.49	1087.35	1087.21	1087.08	1086.94	1086.81	1086.67
1086.53	1086.40	1086.26	1086.13	1085.99	1085.85	1085.72	1085.58
1085.45	1085.31	1085.18	1085.04	1084.90	1084.77	1084.63	1084.50
1084.36	1084.23	1084.09	1083.95	1083.82	1083.68	1083.55	1083.41
1083.28	1083.14	1083.00	1082.87	1082.73	1082.60	1082.46	1082.33
1082.19	1082.06	1081.92	1081.78	1081.65	1081.51	1081.38	1081.24
1081.11	1080.97	1080.84	1080.70	1080.56	1080.43	1080.29	1080.16
1080.02	1079.89	1079.75	1079.62	1079.48	1079.35	1079.21	1079.07
1078.94	1078.80	1078.67	1078.53	1078.37	1048.47	1033.51	1018.24
1007.47	999.18	996.92	994.63	992.36	990.04	987.34	984.66
981.90	979.22	968.36	959.24	954.56	949.99	939.95	930.07
925.65	921.51	916.92	912.87	908.13	901.49	893.96	882.52
875.38	869.40	863.20					

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)
X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1140.00	1163.20	23.20
0.38	1099.00	1101.39	2.39
0.76	1077.00	1078.37	1.37
1.14	1047.00	1048.47	1.47
1.71	1017.00	1018.24	1.24
1.89	1006.00	1007.47	1.47
2.08	998.00	999.18	1.18
2.27	989.00	990.04	1.04
2.46	978.00	979.22	1.22
2.65	967.00	968.36	1.36
2.84	958.00	959.24	1.24
3.03	949.00	949.99	0.99
3.41	929.00	930.07	1.07
3.79	907.00	908.13	1.13
4.17	893.00	893.96	0.96
4.36	881.00	882.52	1.52
4.55	874.00	875.38	1.38
4.74	862.00	863.20	1.20

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	6.500
TIME TO PEAK	HR	TP	3.250
TIME STEP SIZE	HR	DTHI	0.025

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.20  QU(N) =    1500.00  YU(N) =     863.20
FRDM=    1.09  IIFR=  189  FRM=0.00 IIFM=    1

TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.19  QU(N) =    1500.00  YU(N) =     863.24
FRDM=    0.83  IIFR=  191  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	1500.0	1163.19	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.17  QU(N) =    1640.33  YU(N) =     863.27
FRDM=    0.95  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	1500.0	1163.17	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   0.1625          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.09  QU(N) =    1629.12  YU(N) =     863.27
FRDM=    0.83  IIFR=  191  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.162	1500.0	1163.09	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   0.3250          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.02  QU(N) =    1676.84  YU(N) =     863.28
FRDM=    0.89  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.325	1500.0	1163.02	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   0.4875          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1162.96  QU(N) =    1649.95  YU(N) =     863.27
FRDM=    0.84  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.487	1500.0	1162.96	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   0.6500          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1162.92  QU(N) =    1666.06  YU(N) =     863.28
FRDM=    0.88  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.650	1500.0	1162.92	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.8125          DTH =  0.1625          ITERR =   0
QU(1) =     1500.00     YU(1) =     1162.89  QU(N) =     1668.91  YU(N) =     863.28
FRDM=     0.86  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.813	1500.0	1162.89	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.9750          DTH =  0.1625          ITERR =   0
QU(1) =     1500.00     YU(1) =     1162.88  QU(N) =     1679.18  YU(N) =     863.28
FRDM=     0.88  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.975	1500.0	1162.88	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    1.1375          DTH =  0.1625          ITERR =   0
QU(1) =     1500.00     YU(1) =     1162.88  QU(N) =     1674.55  YU(N) =     863.28
FRDM=     0.87  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	1.138	1500.0	1162.88	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    1.3000          DTH =  0.1625          ITERR =   0
QU(1) =     1500.00     YU(1) =     1162.92  QU(N) =     1675.69  YU(N) =     863.28
FRDM=     0.87  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	1.300	1500.0	1162.92	1170.00	1101.41	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =   1.4625          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1162.99  QU(N) =    1670.68  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.463     1500.0   1162.99   1170.00   1101.41      1.00       0.0    1500.0       0.0       0.0    1500.0

TT =   1.6250          DTH =  0.1625          ITERR =   0
QU(1) =    1500.00     YU(1) =    1163.09  QU(N) =    1671.78  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.625     1500.0   1163.09   1170.00   1101.41      1.00       0.0    1500.0       0.0       0.0    1500.0

TT =   1.7875          DTH =  0.1625          ITERR =   1
QU(1) =    1512.37     YU(1) =    1163.25  QU(N) =    1669.87  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.788     1512.4   1163.25   1170.00   1101.41      1.00       0.0    1512.4       0.0       0.0    1512.4

TT =   1.9500          DTH =  0.1625          ITERR =   1
QU(1) =    1638.43     YU(1) =    1163.45  QU(N) =    1670.95  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.950     1638.4   1163.45   1170.00   1101.47      1.00       0.0    1638.4       0.0       0.0    1638.4
```

```
TT =   2.1125          DTH =  0.1625          ITERR =   1
QU(1) =    1962.87     YU(1) =    1163.77  QU(N) =    1671.01  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.113	1962.9	1163.77	1170.00	1101.61	1.00	0.0	1962.9	0.0	0.0	1962.9

```
TT =   2.2750          DTH =  0.1625          ITERR =   1
QU(1) =    2731.24     YU(1) =    1164.29  QU(N) =    1671.12  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.275	2731.2	1164.29	1170.00	1101.89	1.00	0.0	2731.2	0.0	0.0	2731.2

```
TT =   2.4375          DTH =  0.1625          ITERR =   1
QU(1) =    4361.43     YU(1) =    1165.11  QU(N) =    1671.23  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.438	4361.4	1165.11	1170.00	1102.36	1.00	0.0	4361.4	0.0	0.0	4361.4

```
TT =   2.6000          DTH =  0.1625          ITERR =   1
QU(1) =    7051.77     YU(1) =    1166.18  QU(N) =    1671.12  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.600	7051.8	1166.18	1170.00	1102.93	1.00	0.0	7051.8	0.0	0.0	7051.8

```
TT =   2.7625          DTH =  0.1625          ITERR =   1
QU(1) =   10523.52     YU(1) =    1167.32  QU(N) =    1671.21  YU(N) =     863.28
FRDM=    0.87  IIFR=  189  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.762   10523.5   1167.32   1170.00   1103.50      1.00       0.0   10523.5       0.0       0.0   10523.5

TT =   2.7875          DTH =  0.0250          ITERR =   1
QU(1) =   11117.23     YU(1) =    1167.50  QU(N) =    1701.76  YU(N) =     863.28
FRDM=    0.86  IIFR=  189  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.787   11117.2   1167.50   1170.00   1103.58      1.00       0.0   11117.2       0.0       0.0   11117.2

TT =   2.8125          DTH =  0.0250          ITERR =   0
QU(1) =   11732.60     YU(1) =    1167.68  QU(N) =    1715.36  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.813   11732.6   1167.68   1170.00   1103.67      1.00       0.0   11732.6       0.0       0.0   11732.6

TT =   2.8375          DTH =  0.0250          ITERR =   0
QU(1) =   12372.03     YU(1) =    1167.86  QU(N) =    1721.84  YU(N) =     863.29
FRDM=    0.85  IIFR=  189  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.838   12372.0   1167.86   1170.00   1103.75      1.00       0.0   12372.0       0.0       0.0   12372.0
```

```
TT =    2.8625          DTH =  0.0250          ITERR =    0
QU(1) =    13033.40     YU(1) =     1168.05  QU(N) =     1724.60  YU(N) =     863.29
FRDM=     0.86  IIFR=  191  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.863    13033.4   1168.05   1170.00   1103.84      1.00       0.0   13033.4       0.0       0.0   13033.4

TT =    2.8875          DTH =  0.0250          ITERR =    0
QU(1) =    13715.31     YU(1) =     1168.24  QU(N) =     1725.08  YU(N) =     863.29
FRDM=     0.86  IIFR=  191  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.888    13715.3   1168.24   1170.00   1103.92      1.00       0.0   13715.3       0.0       0.0   13715.3

TT =    2.9125          DTH =  0.0250          ITERR =    0
QU(1) =    14417.27     YU(1) =     1168.43  QU(N) =     1725.16  YU(N) =     863.29
FRDM=     0.85  IIFR=  191  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.913    14417.3   1168.43   1170.00   1104.01      1.00       0.0   14417.3       0.0       0.0   14417.3

TT =    2.9375          DTH =  0.0250          ITERR =    0
QU(1) =    15138.36     YU(1) =     1168.62  QU(N) =     1724.98  YU(N) =     863.29
FRDM=     0.85  IIFR=  189  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.938    15138.4   1168.62   1170.00   1104.09      1.00       0.0   15138.4       0.0       0.0   15138.4
```

```
TT =    2.9625          DTH =  0.0250          ITERR =    0
QU(1) =    15878.25     YU(1) =     1168.82  QU(N) =     1725.00  YU(N) =     863.29
FRDM=     0.86  IIFR=  189  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.963   15878.2   1168.82   1170.00   1104.18      1.00       0.0   15878.2       0.0       0.0   15878.2

TT =    2.9875          DTH =  0.0250          ITERR =    0
QU(1) =    16636.57     YU(1) =     1169.01  QU(N) =     1725.37  YU(N) =     863.29
FRDM=     0.86  IIFR=  189  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.988   16636.6   1169.01   1170.00   1104.26      1.00       0.0   16636.6       0.0       0.0   16636.6

TT =    3.0125          DTH =  0.0250          ITERR =    0
QU(1) =    17408.08     YU(1) =     1169.21  QU(N) =     1726.24  YU(N) =     863.29
FRDM=     0.86  IIFR=  189  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.013   17408.1   1169.21   1170.00   1104.34      1.00       0.0   17408.1       0.0       0.0   17408.1

TT =    3.0375          DTH =  0.0250          ITERR =    0
QU(1) =    18192.67     YU(1) =     1169.40  QU(N) =     1726.76  YU(N) =     863.29
FRDM=     0.86  IIFR=  189  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.038   18192.7   1169.40   1168.95   1104.43      1.00      10.0   18192.7       7.0       0.0   18185.7
```

```
TT =   3.0625          DTH =  0.0250          ITERR =   0
QU(1) =   19100.92     YU(1) =    1169.59  QU(N) =    1727.40  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.063	19100.9	1169.59	1167.90	1104.52	1.00	20.0	19100.9	136.4	0.0	18964.5

```
TT =   3.0875          DTH =  0.0250          ITERR =   0
QU(1) =   20222.07     YU(1) =    1169.78  QU(N) =    1727.72  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.088	20222.1	1169.78	1166.85	1104.63	1.00	30.0	20222.1	488.0	0.0	19734.1

```
TT =   3.1125          DTH =  0.0250          ITERR =   0
QU(1) =   21608.41     YU(1) =    1169.96  QU(N) =    1727.81  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.113	21608.4	1169.96	1165.80	1104.76	1.00	40.0	21608.4	1122.2	0.0	20486.2

```
TT =   3.1375          DTH =  0.0250          ITERR =   1
QU(1) =   25225.93     YU(1) =    1170.12  QU(N) =    1727.41  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.138	25225.9	1170.12	1164.75	1105.06	1.00	50.0	25225.9	2094.5	1982.4	21149.1

```
TT =   3.1625          DTH =  0.0250          ITERR =   1
QU(1) =   30959.19     YU(1) =    1170.26  QU(N) =    1726.96  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.163	30959.2	1170.26	1163.70	1105.51	1.00	60.0	30959.2	3400.2	6097.8	21461.2

```
TT =   3.1875          DTH =  0.0250          ITERR =   1
QU(1) =   36852.52     YU(1) =    1170.37  QU(N) =    1726.52  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.188	36852.5	1170.37	1162.65	1105.93	1.00	70.0	36852.5	5066.9	10155.9	21629.7

```
TT =   3.2125          DTH =  0.0250          ITERR =   1
QU(1) =   42201.35     YU(1) =    1170.45  QU(N) =    1725.68  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.213	42201.4	1170.45	1161.60	1106.27	1.00	80.0	42201.4	7106.4	13433.4	21661.6

```
TT =   3.2375          DTH =  0.0250          ITERR =   1
QU(1) =   46826.82     YU(1) =    1170.49  QU(N) =    1725.08  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.238	46826.8	1170.49	1160.55	1106.55	1.00	90.0	46826.8	9531.4	15718.4	21577.0

```
TT =   3.2625          DTH =  0.0250          ITERR =   1
QU(1) =   50610.50     YU(1) =    1170.52  QU(N) =    1724.28  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.263   50610.5   1170.52   1159.50   1106.77      1.00     100.0   50610.5   12351.9   16872.9   21385.8

TT =   3.2875          DTH =  0.0250          ITERR =   1
QU(1) =   53674.99     YU(1) =    1170.52  QU(N) =    1723.36  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.288   53675.0   1170.52   1158.45   1106.94      1.00     110.0   53675.0   15563.6   16738.6   21372.7

TT =   3.3125          DTH =  0.0250          ITERR =   1
QU(1) =   55823.31     YU(1) =    1170.49  QU(N) =    1722.51  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.313   55823.3   1170.49   1157.40   1107.05      1.00     120.0   55823.3   19173.3   15397.9   21252.1

TT =   3.3375          DTH =  0.0250          ITERR =   1
QU(1) =   57380.07     YU(1) =    1170.44  QU(N) =    1722.00  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    3.338   57380.1   1170.44   1156.35   1107.13      1.00     130.0   57380.1   23186.5   13154.2   21039.4
```

```
TT =   3.3625          DTH =  0.0250          ITERR =   1
QU(1) =   58629.32     YU(1) =    1170.37  QU(N) =    1721.38  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.363	58629.3	1170.37	1155.30	1107.20	1.00	140.0	58629.3	27611.9	10269.6	20747.8

```
TT =   3.3875          DTH =  0.0250          ITERR =   1
QU(1) =   59835.01     YU(1) =    1170.29  QU(N) =    1720.81  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.388	59835.0	1170.29	1154.25	1107.26	1.00	150.0	59835.0	32453.2	6998.5	20383.3

```
TT =   3.4125          DTH =  0.0250          ITERR =   1
QU(1) =   61283.24     YU(1) =    1170.19  QU(N) =    1720.25  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.413	61283.2	1170.19	1153.20	1107.33	1.00	160.0	61283.2	37705.9	3635.2	19942.1

```
TT =   3.4375          DTH =  0.0250          ITERR =   1
QU(1) =   63489.32     YU(1) =    1170.06  QU(N) =    1720.08  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.438	63489.3	1170.06	1152.15	1107.43	1.00	170.0	63489.3	43356.5	719.6	19413.2

```
TT =    3.4625          DTH =  0.0250          ITERR =    1
QU(1) =    68136.90     YU(1) =     1169.91  QU(N) =     1719.72  YU(N) =     863.29
FRDM=     0.87  IIFR=  189  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.463   68136.9   1169.91   1151.10   1107.65      1.00    180.0   68136.9   49378.1       0.0   18758.8

TT =    3.4875          DTH =  0.0250          ITERR =    1
QU(1) =    73605.00     YU(1) =     1169.71  QU(N) =     1719.56  YU(N) =     863.29
FRDM=     0.87  IIFR=  189  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.488   73605.0   1169.71   1150.05   1107.89      1.00    190.0   73605.0   55676.1       0.0   17928.9

TT =    3.5125          DTH =  0.0250          ITERR =    1
QU(1) =    79129.32     YU(1) =     1169.46  QU(N) =     1719.31  YU(N) =     863.29
FRDM=     0.87  IIFR=  189  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.513   79129.3   1169.46   1149.00   1108.13      1.00    200.0   79129.3   62207.5       0.0   16921.8

TT =    3.5375          DTH =  0.0250          ITERR =    1
QU(1) =    76760.93     YU(1) =     1169.19  QU(N) =     1719.49  YU(N) =     863.29
FRDM=     0.87  IIFR=  189  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.538   76760.9   1169.19   1149.00   1108.05      1.00    200.0   76760.9   60919.8       0.0   15841.1
```

```
TT =   3.5625          DTH =  0.0250          ITERR =   1
QU(1) =   74440.34     YU(1) =    1168.92  QU(N) =    1719.37  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.563	74440.3	1168.92	1149.00	1107.95	1.00	200.0	74440.3	59650.1	0.0	14790.3

```
TT =   3.5875          DTH =  0.0250          ITERR =   1
QU(1) =   72166.08     YU(1) =    1168.66  QU(N) =    1719.53  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.588	72166.1	1168.66	1149.00	1107.85	1.00	200.0	72166.1	58397.0	0.0	13769.1

```
TT =   3.6125          DTH =  0.0250          ITERR =   1
QU(1) =   69936.10     YU(1) =    1168.39  QU(N) =    1719.44  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.613	69936.1	1168.39	1149.00	1107.75	1.00	200.0	69936.1	57159.4	0.0	12776.7

```
TT =   3.6375          DTH =  0.0250          ITERR =   1
QU(1) =   67748.61     YU(1) =    1168.13  QU(N) =    1719.65  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.638	67748.6	1168.13	1149.00	1107.65	1.00	200.0	67748.6	55936.3	0.0	11812.3

```
TT =   3.6625          DTH =  0.0250          ITERR =   1
QU(1) =   65602.66     YU(1) =    1167.86  QU(N) =    1719.94  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.663	65602.7	1167.86	1149.00	1107.55	1.00	200.0	65602.7	54726.8	0.0	10875.8

```
TT =   3.6875          DTH =  0.0250          ITERR =   1
QU(1) =   63497.40     YU(1) =    1167.60  QU(N) =    1720.34  YU(N) =     863.29
FRDM=    0.87  IIFR=  189  FRM=0.07 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.688	63497.4	1167.60	1149.00	1107.45	1.00	200.0	63497.4	53529.7	0.0	9967.7

```
TT =   3.7125          DTH =  0.0250          ITERR =   1
QU(1) =   61432.68     YU(1) =    1167.34  QU(N) =    1720.14  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.713	61432.7	1167.34	1149.00	1107.35	1.00	200.0	61432.7	52345.3	0.0	9087.4

```
TT =   3.7375          DTH =  0.0250          ITERR =   1
QU(1) =   59407.53     YU(1) =    1167.07  QU(N) =    1720.52  YU(N) =     863.29
FRDM=    0.86  IIFR=  189  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.738	59407.5	1167.07	1149.00	1107.25	1.00	200.0	59407.5	51171.9	0.0	8235.6

```
TT =   3.7625          DTH =  0.0250          ITERR =   1
QU(1) =   57428.95     YU(1) =    1166.81  QU(N) =    1720.22  YU(N) =     863.29
FRDM=    0.85  IIFR=  191  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.763	57428.9	1166.81	1149.00	1107.15	1.00	200.0	57428.9	50013.8	0.0	7415.1

```
TT =   3.7963          DTH =  0.0338          ITERR =   1
QU(1) =   54859.46     YU(1) =    1166.46  QU(N) =    1716.88  YU(N) =     863.29
FRDM=    0.85  IIFR=  191  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.796	54859.5	1166.46	1149.00	1107.01	1.00	200.0	54859.5	48487.6	0.0	6371.8

```
TT =   3.8300          DTH =  0.0338          ITERR =   1
QU(1) =   52414.56     YU(1) =    1166.12  QU(N) =    1714.57  YU(N) =     863.29
FRDM=    0.85  IIFR=  191  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.830	52414.6	1166.12	1149.00	1106.88	1.00	200.0	52414.6	47014.7	0.0	5399.9

```
TT =   3.8638          DTH =  0.0338          ITERR =   2
QU(1) =   50085.05     YU(1) =    1165.79  QU(N) =    1715.25  YU(N) =     863.29
FRDM=    0.84  IIFR=    2  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.864	50085.1	1165.79	1149.00	1106.76	1.00	200.0	50085.1	45586.3	0.0	4498.7

```
TT =   3.8975          DTH =  0.0338          ITERR =   2
QU(1) =   47861.89     YU(1) =    1165.46  QU(N) =    1717.50  YU(N) =     863.29
FRDM=    0.89  IIFR=  191  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.898	47861.9	1165.46	1149.00	1106.63	1.00	200.0	47861.9	44194.3	0.0	3667.6

```
TT =   3.9313          DTH =  0.0338          ITERR =   2
QU(1) =   45739.09     YU(1) =    1165.13  QU(N) =    1711.31  YU(N) =     863.29
FRDM=    0.84  IIFR=    2  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.931	45739.1	1165.13	1149.00	1106.51	1.00	200.0	45739.1	42835.0	0.0	2904.1

```
TT =   3.9650          DTH =  0.0338          ITERR =   2
QU(1) =   43714.27     YU(1) =    1164.81  QU(N) =    1715.68  YU(N) =     863.29
FRDM=    0.84  IIFR=    2  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.965	43714.3	1164.81	1149.00	1106.39	1.00	200.0	43714.3	41505.5	0.0	2208.8

```
TT =   3.9988          DTH =  0.0338          ITERR =   2
QU(1) =   41784.86     YU(1) =    1164.49  QU(N) =    1710.50  YU(N) =     863.29
FRDM=    0.83  IIFR=    2  FRM=0.06 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.999	41784.9	1164.49	1149.00	1106.27	1.00	200.0	41784.9	40200.6	0.0	1584.2

```
TT =    4.0325          DTH =  0.0338          ITERR =    2
QU(1) =    39964.59     YU(1) =     1164.17  QU(N) =     1735.17  YU(N) =     863.29
FRDM=     0.83  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.033    39964.6   1164.17   1149.00   1106.16      1.00     200.0   39964.6   38926.1       0.0    1038.5

TT =    4.0663          DTH =  0.0338          ITERR =    1
QU(1) =    38267.49     YU(1) =     1163.86  QU(N) =     1744.35  YU(N) =     863.29
FRDM=     0.83  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.066    38267.5   1163.86   1149.00   1106.05      1.00     200.0   38267.5   37684.4       0.0     583.1

TT =    4.1000          DTH =  0.0338          ITERR =    4
QU(1) =    36700.86     YU(1) =     1163.55  QU(N) =     1697.73  YU(N) =     863.28
FRDM=     0.83  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    4     4.100    36700.9   1163.55   1149.00   1105.94      1.00     200.0   36700.9   36474.1       0.0     226.8

TT =    4.1338          DTH =  0.0338          ITERR =    2
QU(1) =    35296.10     YU(1) =     1163.25  QU(N) =     2056.34  YU(N) =     863.34
FRDM=     0.83  IIFR=    2  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.134    35296.1   1163.25   1149.00   1105.85      1.00     200.0   35296.1   35285.3       0.0      10.8
```

```
TT =    4.1675          DTH =  0.0338          ITERR =   2
QU(1) =   34111.01     YU(1) =    1162.94  QU(N) =    4122.10  YU(N) =     863.59
FRDM=     0.83  IIFR=    2  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    4.168   34111.0   1162.94   1149.00   1105.76      1.00     200.0   34111.0   34111.0       0.0       0.0

TT =    4.2013          DTH =  0.0338          ITERR =   3
QU(1) =   32945.31     YU(1) =    1162.63  QU(N) =    3227.60  YU(N) =     863.51
FRDM=     0.83  IIFR=    2  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    4.201   32945.3   1162.63   1149.00   1105.68      1.00     200.0   32945.3   32945.3       0.0       0.0

TT =    4.2350          DTH =  0.0338          ITERR =   3
QU(1) =   31787.49     YU(1) =    1162.32  QU(N) =    5064.60  YU(N) =     863.70
FRDM=     0.82  IIFR=    2  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    4.235   31787.5   1162.32   1149.00   1105.60      1.00     200.0   31787.5   31787.5       0.0       0.0

TT =    4.2688          DTH =  0.0338          ITERR =   2
QU(1) =   30641.55     YU(1) =    1162.01  QU(N) =   20746.16  YU(N) =     864.52
FRDM=     0.82  IIFR=    2  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K      TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    4.269   30641.6   1162.01   1149.00   1105.51      1.00     200.0   30641.6   30641.6       0.0       0.0
```

```
TT =    4.3025          DTH =  0.0338          ITERR =    1
QU(1) =    29515.10     YU(1) =     1161.70  QU(N) =    42365.08  YU(N) =      865.15
FRDM=     0.85  IIFR=  191  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.303	29515.1	1161.70	1149.00	1105.43	1.00	200.0	29515.1	29515.1	0.0	0.0

```
TT =    4.3363          DTH =  0.0338          ITERR =    1
QU(1) =    28410.88     YU(1) =     1161.39  QU(N) =    57114.83  YU(N) =      865.46
FRDM=     0.87  IIFR=  191  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.336	28410.9	1161.39	1149.00	1105.34	1.00	200.0	28410.9	28410.9	0.0	0.0

```
TT =    4.3700          DTH =  0.0338          ITERR =    1
QU(1) =    27328.15     YU(1) =     1161.08  QU(N) =    64287.99  YU(N) =      865.61
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.370	27328.2	1161.08	1149.00	1105.26	1.00	200.0	27328.2	27328.2	0.0	0.0

```
TT =    4.4038          DTH =  0.0338          ITERR =    1
QU(1) =    26265.91     YU(1) =     1160.77  QU(N) =    67420.58  YU(N) =      865.67
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.404	26265.9	1160.77	1149.00	1105.17	1.00	200.0	26265.9	26265.9	0.0	0.0

```
TT =    4.4375          DTH =  0.0338          ITERR =    1
QU(1) =    25223.62     YU(1) =     1160.47  QU(N) =    68463.09  YU(N) =      865.69
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.438   25223.6   1160.47   1149.00   1105.08      1.00     200.0   25223.6   25223.6       0.0       0.0

TT =    4.4713          DTH =  0.0338          ITERR =    1
QU(1) =    24200.33     YU(1) =     1160.17  QU(N) =    68220.48  YU(N) =      865.69
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.471   24200.3   1160.17   1149.00   1105.00      1.00     200.0   24200.3   24200.3       0.0       0.0

TT =    4.5050          DTH =  0.0338          ITERR =    1
QU(1) =    23196.08     YU(1) =     1159.86  QU(N) =    67229.13  YU(N) =      865.67
FRDM=     0.90  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.505   23196.1   1159.86   1149.00   1104.91      1.00     200.0   23196.1   23196.1       0.0       0.0

TT =    4.5391          DTH =  0.0341          ITERR =    1
QU(1) =    22205.29     YU(1) =     1159.56  QU(N) =    65754.88  YU(N) =      865.64
FRDM=     0.90  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.539   22205.3   1159.56   1149.00   1104.82      1.00     200.0   22205.3   22205.3       0.0       0.0
```

```
TT =    4.5735          DTH =  0.0344          ITERR =    1
QU(1) =    21233.65     YU(1) =     1159.26  QU(N) =    64003.01  YU(N) =      865.61
FRDM=     0.90  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.574   21233.7   1159.26   1149.00   1104.73      1.00     200.0   21233.7   21233.7       0.0       0.0

TT =    4.6083          DTH =  0.0348          ITERR =    1
QU(1) =    20280.61     YU(1) =     1158.95  QU(N) =    62095.25  YU(N) =      865.58
FRDM=     0.90  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.608   20280.6   1158.95   1149.00   1104.64      1.00     200.0   20280.6   20280.6       0.0       0.0

TT =    4.6434          DTH =  0.0351          ITERR =    1
QU(1) =    19346.19     YU(1) =     1158.65  QU(N) =    60109.77  YU(N) =      865.54
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.643   19346.2   1158.65   1149.00   1104.55      1.00     200.0   19346.2   19346.2       0.0       0.0

TT =    4.6789          DTH =  0.0355          ITERR =    1
QU(1) =    18430.37     YU(1) =     1158.35  QU(N) =    58111.64  YU(N) =      865.50
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.679   18430.4   1158.35   1149.00   1104.46      1.00     200.0   18430.4   18430.4       0.0       0.0
```

```
TT =    4.7147          DTH =   0.0358          ITERR =    1
QU(1) =    17533.14     YU(1) =     1158.06  QU(N) =    56131.41  YU(N) =      865.47
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.715   17533.1   1158.06   1149.00   1104.36      1.00     200.0   17533.1   17533.1       0.0       0.0

TT =    4.7509          DTH =   0.0362          ITERR =    1
QU(1) =    16654.16     YU(1) =     1157.76  QU(N) =    54174.07  YU(N) =      865.43
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.751   16654.2   1157.76   1149.00   1104.27      1.00     200.0   16654.2   16654.2       0.0       0.0

TT =    4.7874          DTH =   0.0365          ITERR =    1
QU(1) =    15793.08     YU(1) =     1157.46  QU(N) =    52269.45  YU(N) =      865.39
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.787   15793.1   1157.46   1149.00   1104.17      1.00     200.0   15793.1   15793.1       0.0       0.0

TT =    4.8244          DTH =   0.0369          ITERR =    1
QU(1) =    14949.96     YU(1) =     1157.16  QU(N) =    50422.07  YU(N) =      865.35
FRDM=     0.89  IIFR=  191  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    4.824   14950.0   1157.16   1149.00   1104.08      1.00     200.0   14950.0   14950.0       0.0       0.0
```

```
TT =    4.8616          DTH =  0.0373          ITERR =   1
QU(1) =   14124.16     YU(1) =    1156.86  QU(N) =   48639.75  YU(N) =     865.32
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.862    14124.2   1156.86   1149.00   1103.98      1.00     200.0   14124.2   14124.2       0.0       0.0

TT =    4.8993          DTH =  0.0377          ITERR =   1
QU(1) =   13315.75     YU(1) =    1156.57  QU(N) =   46918.45  YU(N) =     865.28
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.899    13315.8   1156.57   1149.00   1103.88      1.00     200.0   13315.8   13315.8       0.0       0.0

TT =    4.9373          DTH =  0.0380          ITERR =   1
QU(1) =   12523.84     YU(1) =    1156.27  QU(N) =   45255.84  YU(N) =     865.25
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.937    12523.8   1156.27   1149.00   1103.78      1.00     200.0   12523.8   12523.8       0.0       0.0

TT =    4.9757          DTH =  0.0384          ITERR =   1
QU(1) =   11749.26     YU(1) =    1155.97  QU(N) =   43647.52  YU(N) =     865.21
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     4.976    11749.3   1155.97   1149.00   1103.68      1.00     200.0   11749.3   11749.3       0.0       0.0
```

```
TT =    5.0145          DTH =  0.0388          ITERR =    1
QU(1) =    11003.39     YU(1) =     1155.68  QU(N) =    42101.73  YU(N) =     865.18
FRDM=     0.88  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.015    11003.4    1155.68   1149.00   1103.57      1.00     200.0   11003.4   11003.4       0.0       0.0

TT =    5.0537          DTH =  0.0392          ITERR =    1
QU(1) =    10298.56     YU(1) =     1155.39  QU(N) =    40642.18  YU(N) =     865.15
FRDM=     0.87  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.054    10298.6    1155.39   1149.00   1103.47      1.00     200.0   10298.6   10298.6       0.0       0.0

TT =    5.0933          DTH =  0.0396          ITERR =    1
QU(1) =     9635.61     YU(1) =     1155.12  QU(N) =    39293.14  YU(N) =     865.11
FRDM=     0.87  IIFR=  191  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.093     9635.6    1155.12   1149.00   1103.37      1.00     200.0    9635.6    9635.6       0.0       0.0

TT =    5.1333          DTH =  0.0400          ITERR =    1
QU(1) =     9012.65     YU(1) =     1154.86  QU(N) =    38017.15  YU(N) =     865.09
FRDM=     0.87  IIFR=  191  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.133     9012.6    1154.86   1149.00   1103.28      1.00     200.0    9012.6    9012.6       0.0       0.0
```

```
TT =    5.1736          DTH =  0.0404          ITERR =    1
QU(1) =     8427.82     YU(1) =     1154.61  QU(N) =    36760.68  YU(N) =      865.06
FRDM=     0.87  IIFR=  191  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.174     8427.8   1154.61   1149.00   1103.18      1.00     200.0    8427.8    8427.8       0.0       0.0

TT =    5.2144          DTH =  0.0408          ITERR =    1
QU(1) =     7879.32     YU(1) =     1154.36  QU(N) =    35531.07  YU(N) =      865.03
FRDM=     0.87  IIFR=  191  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.214     7879.3   1154.36   1149.00   1103.09      1.00     200.0    7879.3    7879.3       0.0       0.0

TT =    5.2556          DTH =  0.0412          ITERR =    1
QU(1) =     7364.86     YU(1) =     1154.13  QU(N) =    34345.11  YU(N) =      865.00
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.256     7364.9   1154.13   1149.00   1103.00      1.00     200.0    7364.9    7364.9       0.0       0.0

TT =    5.2972          DTH =  0.0416          ITERR =    1
QU(1) =     6882.56     YU(1) =     1153.91  QU(N) =    33268.67  YU(N) =      864.97
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.297     6882.6   1153.91   1149.00   1102.91      1.00     200.0    6882.6    6882.6       0.0       0.0
```

```
TT =    5.3392          DTH =  0.0420          ITERR =    1
QU(1) =     6430.58     YU(1) =     1153.69  QU(N) =    32185.76  YU(N) =     864.94
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     5.339     6430.6   1153.69   1149.00   1102.82      1.00     200.0    6430.6    6430.6       0.0       0.0

TT =    5.3816          DTH =  0.0424          ITERR =    0
QU(1) =     6007.74     YU(1) =     1153.49  QU(N) =    31144.85  YU(N) =     864.91
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.382     6007.7   1153.49   1149.00   1102.74      1.00     200.0    6007.7    6007.7       0.0       0.0

TT =    5.4245          DTH =  0.0429          ITERR =    0
QU(1) =     5612.05     YU(1) =     1153.29  QU(N) =    30153.43  YU(N) =     864.88
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.424     5612.0   1153.29   1149.00   1102.66      1.00     200.0    5612.0    5612.0       0.0       0.0

TT =    5.4677          DTH =  0.0433          ITERR =    0
QU(1) =     5240.13     YU(1) =     1153.10  QU(N) =    29175.76  YU(N) =     864.85
FRDM=     0.86  IIFR=  191  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.468     5240.1   1153.10   1149.00   1102.57      1.00     200.0    5240.1    5240.1       0.0       0.0
```

```
TT =    5.5115          DTH =  0.0437          ITERR =    0
QU(1) =     4890.65     YU(1) =     1152.92  QU(N) =    28211.45  YU(N) =      864.82
FRDM=     0.86  IIFR=  191  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.511     4890.7   1152.92   1149.00   1102.49      1.00     200.0    4890.7    4890.7       0.0       0.0

TT =    5.5556          DTH =  0.0442          ITERR =    0
QU(1) =     4563.35     YU(1) =     1152.74  QU(N) =    27252.89  YU(N) =      864.79
FRDM=     0.85  IIFR=  191  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.556     4563.4   1152.74   1149.00   1102.42      1.00     200.0    4563.4    4563.4       0.0       0.0

TT =    5.6002          DTH =  0.0446          ITERR =    0
QU(1) =     4257.84     YU(1) =     1152.58  QU(N) =    26301.23  YU(N) =      864.76
FRDM=     0.86  IIFR=  191  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.600     4257.8   1152.58   1149.00   1102.34      1.00     200.0    4257.8    4257.8       0.0       0.0

TT =    5.6452          DTH =  0.0450          ITERR =    0
QU(1) =     3971.91     YU(1) =     1152.42  QU(N) =    25365.58  YU(N) =      864.72
FRDM=     0.86  IIFR=  191  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.645     3971.9   1152.42   1149.00   1102.27      1.00     200.0    3971.9    3971.9       0.0       0.0
```

```
TT =   5.6907          DTH =  0.0455          ITERR =   0
QU(1) =    3703.48     YU(1) =    1152.26  QU(N) =   24472.71  YU(N) =     864.69
FRDM=    0.86  IIFR=  191  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.691	3703.5	1152.26	1149.00	1102.19	1.00	200.0	3703.5	3703.5	0.0	0.0

```
TT =   5.7367          DTH =  0.0459          ITERR =   0
QU(1) =    3451.06     YU(1) =    1152.11  QU(N) =   23630.91  YU(N) =     864.66
FRDM=    0.86  IIFR=  191  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.737	3451.1	1152.11	1149.00	1102.12	1.00	200.0	3451.1	3451.1	0.0	0.0

```
TT =   5.7831          DTH =  0.0464          ITERR =   0
QU(1) =    3212.60     YU(1) =    1151.97  QU(N) =   22800.39  YU(N) =     864.63
FRDM=    0.87  IIFR=  191  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.783	3212.6	1151.97	1149.00	1102.05	1.00	200.0	3212.6	3212.6	0.0	0.0

```
TT =   5.8300          DTH =  0.0469          ITERR =   0
QU(1) =    2986.48     YU(1) =    1151.83  QU(N) =   21958.72  YU(N) =     864.60
FRDM=    0.87  IIFR=  191  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.830	2986.5	1151.83	1149.00	1101.98	1.00	200.0	2986.5	2986.5	0.0	0.0

```
TT =    5.8773          DTH =  0.0473          ITERR =    0
QU(1) =     2771.13     YU(1) =     1151.69  QU(N) =    21115.08  YU(N) =      864.57
FRDM=     0.87  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.877	2771.1	1151.69	1149.00	1101.91	1.00	200.0	2771.1	2771.1	0.0	0.0

```
TT =    5.9251          DTH =  0.0478          ITERR =    0
QU(1) =     2565.16     YU(1) =     1151.56  QU(N) =    20283.47  YU(N) =      864.54
FRDM=     0.87  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.925	2565.2	1151.56	1149.00	1101.84	1.00	200.0	2565.2	2565.2	0.0	0.0

```
TT =    5.9734          DTH =  0.0483          ITERR =    0
QU(1) =     2367.09     YU(1) =     1151.43  QU(N) =    19472.61  YU(N) =      864.51
FRDM=     0.88  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.973	2367.1	1151.43	1149.00	1101.77	1.00	200.0	2367.1	2367.1	0.0	0.0

```
TT =    6.0222          DTH =  0.0488          ITERR =    0
QU(1) =     2176.70     YU(1) =     1151.30  QU(N) =    18685.92  YU(N) =      864.48
FRDM=     0.88  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.022	2176.7	1151.30	1149.00	1101.70	1.00	200.0	2176.7	2176.7	0.0	0.0

```
TT =   6.0714          DTH =  0.0493          ITERR =   0
QU(1) =    1994.80     YU(1) =    1151.17  QU(N) =   17923.74  YU(N) =     864.45
FRDM=    0.88  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.071    1994.8   1151.17   1149.00   1101.63      1.00     200.0    1994.8    1994.8       0.0       0.0

TT =   6.1212          DTH =  0.0498          ITERR =   0
QU(1) =    1821.12     YU(1) =    1151.04  QU(N) =   17185.01  YU(N) =     864.41
FRDM=    0.88  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.121    1821.1   1151.04   1149.00   1101.55      1.00     200.0    1821.1    1821.1       0.0       0.0

TT =   6.1714          DTH =  0.0502          ITERR =   0
QU(1) =    1654.29     YU(1) =    1150.91  QU(N) =   16469.44  YU(N) =     864.38
FRDM=    0.89  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.171    1654.3   1150.91   1149.00   1101.48      1.00     200.0    1654.3    1654.3       0.0       0.0

TT =   6.2222          DTH =  0.0508          ITERR =   0
QU(1) =    1654.29     YU(1) =    1150.79  QU(N) =   15769.14  YU(N) =     864.35
FRDM=    0.89  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.222    1654.3   1150.79   1149.00   1101.48      1.00     200.0    1654.3    1654.3       0.0       0.0
```

```
TT =    6.2734          DTH =  0.0513          ITERR =    1
QU(1) =     1654.29     YU(1) =     1150.64  QU(N) =    15089.03  YU(N) =     864.32
FRDM=     0.89  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.273	1654.3	1150.64	1149.00	1101.48	1.00	200.0	1654.3	1654.3	0.0	0.0

```
TT =    6.3252          DTH =  0.0518          ITERR =    1
QU(1) =     1654.29     YU(1) =     1150.48  QU(N) =    14423.23  YU(N) =     864.29
FRDM=     0.89  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.325	1654.3	1150.48	1149.00	1101.48	1.00	200.0	1654.3	1654.3	0.0	0.0

```
TT =    6.3775          DTH =  0.0523          ITERR =    1
QU(1) =     1654.29     YU(1) =     1150.29  QU(N) =    13779.72  YU(N) =     864.26
FRDM=     0.89  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	6.377	1654.3	1150.29	1149.00	1101.48	1.00	200.0	1654.3	1654.3	0.0	0.0

```
TT =    6.4303          DTH =  0.0528          ITERR =    2
QU(1) =     1654.29     YU(1) =     1150.06  QU(N) =    13159.88  YU(N) =     864.23
FRDM=     0.90  IIFR=  191  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	6.430	1654.3	1150.06	1149.00	1101.48	1.00	200.0	1654.3	1654.3	0.0	0.0

```
TT =    6.4837          DTH =  0.0533          ITERR =    2
QU(1) =     1654.29     YU(1) =     1149.76  QU(N) =    12558.67  YU(N) =     864.20
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	G(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	6.484	1654.3	1149.76	1149.00	1101.48	1.00	200.0	1654.3	1654.3	0.0	0.0

ROUTING COMPLETED.

KTIME= 125 ALLOWABLE KTIME= 699 TT= 6.5

PROFILE OF CRESTS AND TIMES FOR STN. 161+40OVERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.000	1170.52	79129	3.263	1.63	0.00	0.00
0.379	1108.13	79129	3.513	10.16	0.00	0.00
0.381	1107.89	79070	3.513	10.13	0.00	0.00
0.384	1107.65	79010	3.513	10.09	0.00	0.00
0.386	1107.42	78952	3.513	10.06	0.00	0.00
0.388	1107.19	78893	3.513	10.03	0.00	0.00
0.391	1106.96	78834	3.513	9.99	0.00	0.00
0.393	1106.73	78776	3.513	9.95	0.00	0.00
0.395	1106.51	78717	3.513	9.92	0.00	0.00
0.398	1106.28	78659	3.513	9.88	0.00	0.00
0.400	1106.06	78601	3.513	9.84	0.00	0.00
0.402	1105.84	78543	3.513	9.80	0.00	0.00
0.405	1105.63	78485	3.513	9.76	0.00	0.00
0.407	1105.41	78427	3.513	9.73	0.00	0.00
0.409	1105.20	78369	3.513	9.69	0.00	0.00
0.412	1104.99	78311	3.513	9.65	0.00	0.00
0.414	1104.78	78253	3.513	9.61	0.00	0.00
0.416	1104.57	78195	3.513	9.57	0.00	0.00
0.419	1104.36	78137	3.513	9.53	0.00	0.00
0.421	1104.16	78079	3.538	9.49	0.00	0.00
0.423	1103.96	78020	3.538	9.44	0.00	0.00
0.426	1103.76	77962	3.538	9.40	0.00	0.00
0.428	1103.56	77904	3.538	9.36	0.00	0.00
0.430	1103.37	77853	3.538	9.32	0.00	0.00
0.432	1103.17	77884	3.538	9.28	0.00	0.00
0.435	1102.98	77913	3.538	9.24	0.00	0.00
0.437	1102.79	77941	3.538	9.20	0.00	0.00
0.439	1102.60	77967	3.538	9.16	0.00	0.00
0.442	1102.41	77992	3.538	9.12	0.00	0.00
0.444	1102.22	78016	3.538	9.08	0.00	0.00
0.446	1102.03	78039	3.538	9.04	0.00	0.00
0.449	1101.85	78060	3.538	9.00	0.00	0.00
0.451	1101.66	78080	3.538	8.96	0.00	0.00
0.453	1101.48	78098	3.538	8.92	0.00	0.00
0.456	1101.30	78116	3.538	8.88	0.00	0.00
0.458	1101.11	78132	3.538	8.85	0.00	0.00
0.460	1100.93	78147	3.538	8.81	0.00	0.00
0.463	1100.75	78161	3.538	8.78	0.00	0.00
0.465	1100.58	78174	3.538	8.74	0.00	0.00
0.467	1100.40	78185	3.538	8.70	0.00	0.00
0.470	1100.22	78196	3.538	8.67	0.00	0.00
0.472	1100.05	78205	3.538	8.63	0.00	0.00
0.474	1099.87	78213	3.538	8.60	0.00	0.00
0.477	1099.70	78220	3.538	8.57	0.00	0.00
0.479	1099.52	78226	3.538	8.53	0.00	0.00
0.481	1099.35	78230	3.538	8.50	0.00	0.00
0.484	1099.18	78234	3.538	8.46	0.00	0.00
0.486	1099.01	78237	3.538	8.43	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.488	1098.84	78238	3.538	8.40	0.00	0.00
0.491	1098.67	78239	3.538	8.36	0.00	0.00
0.493	1098.50	78238	3.538	8.33	0.00	0.00
0.495	1098.33	78237	3.538	8.30	0.00	0.00
0.498	1098.16	78234	3.538	8.27	0.00	0.00
0.500	1097.99	78231	3.538	8.24	0.00	0.00
0.502	1097.83	78226	3.538	8.20	0.00	0.00
0.505	1097.66	78221	3.538	8.17	0.00	0.00
0.507	1097.50	78215	3.538	8.14	0.00	0.00
0.509	1097.33	78207	3.538	8.11	0.00	0.00
0.512	1097.17	78198	3.538	8.08	0.00	0.00
0.514	1097.01	78189	3.538	8.05	0.00	0.00
0.516	1096.84	78179	3.538	8.02	0.00	0.00
0.519	1096.68	78167	3.538	7.99	0.00	0.00
0.521	1096.52	78155	3.538	7.96	0.00	0.00
0.523	1096.36	78142	3.538	7.93	0.00	0.00
0.525	1096.20	78127	3.538	7.90	0.00	0.00
0.528	1096.03	78112	3.538	7.87	0.00	0.00
0.530	1095.87	78096	3.538	7.84	0.00	0.00
0.532	1095.72	78079	3.538	7.82	0.00	0.00
0.535	1095.56	78061	3.538	7.79	0.00	0.00
0.537	1095.40	78042	3.538	7.76	0.00	0.00
0.539	1095.24	78023	3.538	7.73	0.00	0.00
0.542	1095.08	78002	3.538	7.70	0.00	0.00
0.544	1094.92	77981	3.538	7.68	0.00	0.00
0.546	1094.77	77958	3.538	7.65	0.00	0.00
0.549	1094.61	77935	3.538	7.62	0.00	0.00
0.551	1094.45	77911	3.538	7.60	0.00	0.00
0.553	1094.30	77886	3.538	7.57	0.00	0.00
0.556	1094.14	77861	3.538	7.54	0.00	0.00
0.558	1093.99	77834	3.538	7.52	0.00	0.00
0.560	1093.83	77807	3.538	7.49	0.00	0.00
0.563	1093.68	77778	3.538	7.47	0.00	0.00
0.565	1093.52	77749	3.538	7.44	0.00	0.00
0.567	1093.37	77719	3.538	7.42	0.00	0.00
0.570	1093.22	77688	3.538	7.39	0.00	0.00
0.572	1093.06	77657	3.538	7.37	0.00	0.00
0.574	1092.91	77624	3.538	7.34	0.00	0.00
0.577	1092.76	77591	3.538	7.32	0.00	0.00
0.579	1092.61	77557	3.538	7.29	0.00	0.00
0.581	1092.45	77522	3.538	7.27	0.00	0.00
0.584	1092.30	77486	3.538	7.25	0.00	0.00
0.586	1092.15	77450	3.563	7.22	0.00	0.00
0.588	1092.00	77413	3.563	7.20	0.00	0.00
0.591	1091.85	77375	3.563	7.18	0.00	0.00
0.593	1091.70	77336	3.563	7.15	0.00	0.00
0.595	1091.55	77297	3.563	7.13	0.00	0.00
0.598	1091.41	77318	3.563	7.11	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+400VERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.600	1091.26	77337	3.563	7.09	0.00	0.00
0.602	1091.11	77356	3.563	7.06	0.00	0.00
0.605	1090.96	77375	3.563	7.04	0.00	0.00
0.607	1090.81	77392	3.563	7.02	0.00	0.00
0.609	1090.67	77409	3.563	7.00	0.00	0.00
0.612	1090.52	77425	3.563	6.98	0.00	0.00
0.614	1090.37	77440	3.563	6.96	0.00	0.00
0.616	1090.23	77454	3.563	6.94	0.00	0.00
0.618	1090.08	77468	3.563	6.92	0.00	0.00
0.621	1089.93	77481	3.563	6.90	0.00	0.00
0.623	1089.79	77493	3.563	6.88	0.00	0.00
0.625	1089.64	77504	3.563	6.86	0.00	0.00
0.628	1089.49	77514	3.563	6.84	0.00	0.00
0.630	1089.35	77523	3.563	6.82	0.00	0.00
0.632	1089.20	77532	3.563	6.81	0.00	0.00
0.635	1089.06	77540	3.563	6.79	0.00	0.00
0.637	1088.91	77546	3.563	6.77	0.00	0.00
0.639	1088.77	77552	3.563	6.75	0.00	0.00
0.642	1088.62	77558	3.563	6.73	0.00	0.00
0.644	1088.48	77562	3.563	6.72	0.00	0.00
0.646	1088.33	77565	3.563	6.70	0.00	0.00
0.649	1088.19	77567	3.563	6.68	0.00	0.00
0.651	1088.05	77569	3.563	6.66	0.00	0.00
0.653	1087.90	77570	3.563	6.65	0.00	0.00
0.656	1087.76	77569	3.563	6.63	0.00	0.00
0.658	1087.61	77568	3.563	6.61	0.00	0.00
0.660	1087.47	77566	3.563	6.60	0.00	0.00
0.663	1087.33	77564	3.563	6.58	0.00	0.00
0.665	1087.18	77560	3.563	6.56	0.00	0.00
0.667	1087.04	77555	3.563	6.55	0.00	0.00
0.670	1086.90	77550	3.563	6.53	0.00	0.00
0.672	1086.75	77543	3.563	6.52	0.00	0.00
0.674	1086.61	77536	3.563	6.50	0.00	0.00
0.677	1086.47	77528	3.563	6.48	0.00	0.00
0.679	1086.32	77519	3.563	6.47	0.00	0.00
0.681	1086.18	77509	3.563	6.45	0.00	0.00
0.684	1086.04	77498	3.563	6.44	0.00	0.00
0.686	1085.90	77486	3.563	6.42	0.00	0.00
0.688	1085.75	77473	3.563	6.41	0.00	0.00
0.691	1085.61	77460	3.563	6.39	0.00	0.00
0.693	1085.47	77445	3.563	6.38	0.00	0.00
0.695	1085.33	77430	3.563	6.36	0.00	0.00
0.698	1085.18	77414	3.563	6.35	0.00	0.00
0.700	1085.04	77396	3.563	6.34	0.00	0.00
0.702	1084.90	77379	3.563	6.32	0.00	0.00
0.705	1084.76	77360	3.563	6.31	0.00	0.00
0.707	1084.61	77340	3.563	6.30	0.00	0.00
0.709	1084.47	77320	3.563	6.29	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN 161+400VERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.711	1084.33	77298	3.563	6.27	0.00	0.00
0.714	1084.19	77276	3.563	6.26	0.00	0.00
0.716	1084.04	77253	3.563	6.25	0.00	0.00
0.718	1083.90	77229	3.563	6.24	0.00	0.00
0.721	1083.76	77205	3.563	6.24	0.00	0.00
0.723	1083.61	77180	3.563	6.23	0.00	0.00
0.725	1083.47	77154	3.563	6.22	0.00	0.00
0.728	1083.32	77127	3.563	6.22	0.00	0.00
0.730	1083.18	77100	3.563	6.22	0.00	0.00
0.732	1083.03	77072	3.563	6.22	0.00	0.00
0.735	1082.88	77043	3.563	6.22	0.00	0.00
0.737	1082.74	77014	3.563	6.23	0.00	0.00
0.739	1082.58	76985	3.563	6.24	0.00	0.00
0.742	1082.43	76955	3.563	6.26	0.00	0.00
0.744	1082.28	76925	3.563	6.28	0.00	0.00
0.746	1082.12	76894	3.563	6.32	0.00	0.00
0.749	1081.95	76873	3.588	6.36	0.00	0.00
0.751	1081.78	76893	3.588	6.43	0.00	0.00
0.753	1081.61	76912	3.588	6.51	0.00	0.00
0.756	1081.42	76931	3.588	6.63	0.00	0.00
0.758	1081.22	76950	3.588	6.79	0.00	0.00
1.136	1052.38	75638	3.638	6.64	0.00	0.00
1.421	1036.76	74793	3.688	5.33	0.00	0.00
1.705	1021.01	74120	3.738	5.35	0.00	0.00
1.894	1010.61	73831	3.763	4.83	0.00	0.00
2.083	1001.60	73286	3.796	4.57	0.00	0.00
2.131	999.37	73234	3.830	4.61	0.00	0.00
2.178	997.14	73215	3.830	4.65	0.00	0.00
2.226	994.94	73001	3.830	4.57	0.00	0.00
2.273	992.53	72965	3.864	4.86	0.00	0.00
2.320	989.84	72948	3.864	4.89	0.00	0.00
2.368	987.14	72770	3.864	4.89	0.00	0.00
2.415	984.42	72712	3.898	4.93	0.00	0.00
2.462	981.76	72759	3.898	4.83	0.00	0.00
2.652	971.55	72266	3.931	4.92	0.00	0.00
2.841	961.63	71852	3.999	4.58	0.00	0.00
2.936	956.87	71771	3.999	4.46	0.00	0.00
3.030	952.00	71676	4.033	4.57	0.00	0.00
3.220	942.28	71337	4.100	4.49	0.00	0.00
3.409	932.44	70805	4.134	4.72	0.00	0.00
3.485	928.25	70947	4.134	4.78	0.00	0.00
3.561	924.04	70783	4.168	4.86	0.00	0.00
3.636	919.84	70529	4.168	4.92	0.00	0.00
3.712	915.61	70417	4.235	5.08	0.00	0.00
3.788	911.39	70801	4.168	5.37	0.00	0.00
3.978	904.49	69457	4.303	3.70	0.00	0.00
4.167	895.91	69781	4.201	5.97	0.00	0.00
4.356	885.78	69163	4.370	3.71	0.00	0.00
4.545	878.54	68661	4.404	5.47	0.00	0.00
4.640	872.21	68502	4.438	5.14	0.00	0.00
4.735	865.69	68463	4.438	4.92	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH
PRODUCED BY THE DAM BREAK OF

FRS#3 MCFCD

ON

STN. 161+40 PIPING

ANALYSIS BY

DAMES $ MOORE PHOENIX
ARIZONA

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***                       ***
***  SUMMARY OF INPUT DATA  ***
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INPUT CONTROL PARAMETERS FOR FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	16
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#3 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
410.0	1174.00
335.0	1170.00
298.0	1168.00
264.0	1166.00

210.0	1163.20
153.0	1160.00
78.0	1156.00
0.1	1149.00

DAM NUMBER 1

FRS#3 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1163.20
SIDE SLOPE OF BREACH		Z	0.50
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1149.00
WIDTH OF BASE OF BREACH	FEET	BB	95.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1163.20
ELEVATION OF TOP OF DAM	FEET	HD	1170.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1163.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	1080.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	-1152.00
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 6.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#3 MCFCD
****

141.00	284.00	902.00	2656.00	4962.00	6555.00	8819.00	8149.00
4798.00	2677.00	1655.00	1089.00	863.00	746.00	545.00	446.00

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	1.7500	2.0000	2.2500	2.5000	2.7500
3.0000	3.2500	3.5000	3.7500	4.0000	4.5000	5.5000	6.5000

CROSS-SECTIONAL PARAMETERS FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	18
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1140.0	1140.2	1145.0	1148.0	1156.0	1171.0
BS ...	0.0	30.0	500.0	1000.0	2000.0	3000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTG(I) = 0.00

HS ...	1099.0	1099.5	1100.0	1110.0	1120.0	1130.0
BS ...	0.0	30.0	100.0	2200.0	3400.0	5000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTG(I) = 0.00

HS ...	1077.0	1077.5	1080.0	1090.0	1100.0	1110.0
BS ...	0.0	30.0	4500.0	6700.0	9300.0	10800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTG(I) = 0.00

HS ...	1047.0	1047.5	1050.0	1060.0	1070.0	1080.0
BS ...	0.0	30.0	2800.0	7000.0	10200.0	13000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.705 FSTG(I) = 0.00

HS ...	1017.0	1017.5	1020.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	6000.0	11200.0	14400.0	17100.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.894 FSTG(I) = 0.00

HS ...	1006.0	1006.5	1010.0	1020.0	1030.0	1040.0
BS ...	0.0	30.0	6400.0	12400.0	15500.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 2.083 FSTG(I) = 0.00

HS ...	998.0	998.5	1000.0	1010.0	1020.0	1030.0
BS ...	0.0	30.0	6400.0	13800.0	16200.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.273 FSTG(I) = 0.00

HS ...	989.0	989.5	990.0	995.0	1000.0	1010.0
BS ...	0.0	30.0	4000.0	10000.0	13600.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.462 FSTG(I) = 0.00

HS ...	978.0	978.5	980.0	985.0	990.0	1000.0
BS ...	0.0	30.0	5400.0	10200.0	13200.0	18500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 2.652 FSTG(I) = 0.00

HS ...	967.0	967.5	970.0	975.0	980.0	990.0
BS ...	0.0	30.0	4700.0	10900.0	14000.0	18600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 2.841 FSTG(I) = 0.00

HS ...	958.0	958.5	960.0	965.0	970.0	980.0
BS ...	0.0	30.0	6000.0	11200.0	14000.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	949.0	949.5	950.0	955.0	960.0	970.0
BS ...	0.0	30.0	6200.0	10400.0	13200.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.409 FSTQ(I) = 0.00

HS ...	929.0	929.5	930.0	935.0	940.0	950.0
BS ...	0.0	30.0	4200.0	10500.0	13800.0	18600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 3.788 FSTQ(I) = 0.00

HS ...	907.0	907.5	910.0	915.0	920.0	930.0
BS ...	0.0	30.0	5000.0	10000.0	13200.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 4.167 FSTQ(I) = 0.00

HS ...	893.0	893.5	895.0	900.0	910.0	920.0
BS ...	0.0	30.0	7400.0	11000.0	18500.0	25000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 4.356 FSTQ(I) = 0.00

HS ...	881.0	881.5	885.0	890.0	895.0	900.0
BS ...	0.0	30.0	7400.0	10800.0	14400.0	18400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.545 FSTQ(I) = 0.00

HS ...	874.0	874.5	880.0	885.0	890.0	900.0
BS ...	0.0	30.0	8400.0	13300.0	17600.0	21600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.735 FSTQ(I) = 0.00

HS ...	862.0	862.5	865.0	870.0	875.0	880.0
BS ...	0.0	30.0	7000.0	13100.0	17800.0	21800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

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AT REACH=    2  DXM WAS CHANGED TO 0.002  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    3  DXM WAS CHANGED TO 0.327  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    4  DXM WAS CHANGED TO 0.328  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    6  DXM WAS CHANGED TO 0.109  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    7  DXM WAS CHANGED TO 0.041  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    8  DXM WAS CHANGED TO 0.047  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   11  DXM WAS CHANGED TO 0.082  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   13  DXM WAS CHANGED TO 0.065  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   14  DXM WAS CHANGED TO 0.327  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   15  DXM WAS CHANGED TO 0.109  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   16  DXM WAS CHANGED TO 0.163  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.082  DUE TO EXP/CONTRACT CRITERIA
AT REACH=    3  DXM WAS CHANGED TO 0.179  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    4  DXM WAS CHANGED TO 0.165  DUE TO (WAVE SPEED * DT) CRITERIA
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AT REACH=    5  DXM WAS CHANGED TO 0.177  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=    9  DXM WAS CHANGED TO 0.153  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   10  DXM WAS CHANGED TO 0.137  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   12  DXM WAS CHANGED TO 0.128  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   14  DXM WAS CHANGED TO 0.131  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000   0.002   0.179   0.165   0.177   0.109   0.041   0.047   0.153   0.137   0.082   0.128   0.065   0.131   0.109
  0.163   0.082

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =   197     (MAXIMUM ALLOWABLE =   200
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***  SUMMARY OF OUTPUT DATA ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1140.00				
2	0.38	1099.00	1	0.38	108.18	
3	0.76	1077.00	2	0.38	58.05	
4	1.14	1047.00	3	0.38	79.37	
5	1.71	1017.00	4	0.57	52.72	
6	1.89	1006.00	5	0.19	58.20	
7	2.08	998.00	6	0.19	42.33	
8	2.27	989.00	7	0.19	47.37	
9	2.46	978.00	8	0.19	58.20	
10	2.65	967.00	9	0.19	57.89	
11	2.84	958.00	10	0.19	47.62	
12	3.03	949.00	11	0.19	47.62	
13	3.41	929.00	12	0.38	52.77	
14	3.79	907.00	13	0.38	58.05	
15	4.17	893.00	14	0.38	36.94	
16	4.36	881.00	15	0.19	63.49	
17	4.55	874.00	16	0.19	37.04	
18	4.74	862.00	17	0.19	63.16	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1142.25	DEPN=	2.25	YC=	1141.35	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.379	YN=	1100.73	DEPN=	1.73	YC=	1100.51	DEPC=	1.51	IFR=	0	ITN=	11	ITC=	11
I=	3	X=	0.381	YN=	1100.63	DEPN=	1.76	YC=	1100.30	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	4	X=	0.384	YN=	1100.42	DEPN=	1.69	YC=	1100.10	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	5	X=	0.386	YN=	1100.22	DEPN=	1.63	YC=	1099.91	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	6	X=	0.388	YN=	1100.03	DEPN=	1.57	YC=	1099.74	DEPC=	1.28	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.391	YN=	1099.85	DEPN=	1.52	YC=	1099.58	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.393	YN=	1099.68	DEPN=	1.49	YC=	1099.41	DEPC=	1.22	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	0.395	YN=	1099.52	DEPN=	1.46	YC=	1099.25	DEPC=	1.19	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	0.398	YN=	1099.36	DEPN=	1.44	YC=	1099.10	DEPC=	1.18	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	0.400	YN=	1099.19	DEPN=	1.41	YC=	1098.95	DEPC=	1.16	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	0.402	YN=	1099.04	DEPN=	1.39	YC=	1098.80	DEPC=	1.15	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	0.405	YN=	1098.89	DEPN=	1.38	YC=	1098.66	DEPC=	1.15	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	0.407	YN=	1098.73	DEPN=	1.35	YC=	1098.51	DEPC=	1.13	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	0.409	YN=	1098.59	DEPN=	1.35	YC=	1098.36	DEPC=	1.12	IFR=	0	ITN=	11	ITC=	11
I=	16	X=	0.412	YN=	1098.44	DEPN=	1.33	YC=	1098.21	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	17	X=	0.414	YN=	1098.29	DEPN=	1.32	YC=	1098.08	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.416	YN=	1098.14	DEPN=	1.30	YC=	1097.93	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11

I=	19	X=	0.419	YN=	1098.01	DEPN=	1.30	YC=	1097.80	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.421	YN=	1097.86	DEPN=	1.29	YC=	1097.65	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.423	YN=	1097.72	DEPN=	1.29	YC=	1097.51	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.426	YN=	1097.57	DEPN=	1.27	YC=	1097.38	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.428	YN=	1097.44	DEPN=	1.27	YC=	1097.23	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.430	YN=	1097.31	DEPN=	1.28	YC=	1097.09	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	0.432	YN=	1097.16	DEPN=	1.26	YC=	1096.94	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	0.435	YN=	1097.02	DEPN=	1.26	YC=	1096.81	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	0.437	YN=	1096.87	DEPN=	1.25	YC=	1096.67	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	0.439	YN=	1096.74	DEPN=	1.25	YC=	1096.54	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	0.442	YN=	1096.60	DEPN=	1.25	YC=	1096.39	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	0.444	YN=	1096.45	DEPN=	1.23	YC=	1096.25	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	0.446	YN=	1096.32	DEPN=	1.23	YC=	1096.12	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	0.449	YN=	1096.18	DEPN=	1.23	YC=	1095.97	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	0.451	YN=	1096.03	DEPN=	1.22	YC=	1095.84	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	0.453	YN=	1095.90	DEPN=	1.22	YC=	1095.70	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	0.456	YN=	1095.77	DEPN=	1.22	YC=	1095.57	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	0.458	YN=	1095.62	DEPN=	1.20	YC=	1095.43	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	0.460	YN=	1095.48	DEPN=	1.20	YC=	1095.28	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	0.463	YN=	1095.35	DEPN=	1.21	YC=	1095.15	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	0.465	YN=	1095.21	DEPN=	1.21	YC=	1095.01	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	0.467	YN=	1095.06	DEPN=	1.19	YC=	1094.88	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	0.470	YN=	1094.93	DEPN=	1.19	YC=	1094.74	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	42	X=	0.472	YN=	1094.79	DEPN=	1.19	YC=	1094.61	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	43	X=	0.474	YN=	1094.66	DEPN=	1.19	YC=	1094.46	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	44	X=	0.477	YN=	1094.51	DEPN=	1.18	YC=	1094.32	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	45	X=	0.479	YN=	1094.37	DEPN=	1.18	YC=	1094.19	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	46	X=	0.481	YN=	1094.24	DEPN=	1.18	YC=	1094.05	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	47	X=	0.484	YN=	1094.11	DEPN=	1.18	YC=	1093.92	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	48	X=	0.486	YN=	1093.97	DEPN=	1.18	YC=	1093.79	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	49	X=	0.488	YN=	1093.82	DEPN=	1.16	YC=	1093.65	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	50	X=	0.491	YN=	1093.69	DEPN=	1.16	YC=	1093.50	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	51	X=	0.493	YN=	1093.55	DEPN=	1.17	YC=	1093.37	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	52	X=	0.495	YN=	1093.42	DEPN=	1.17	YC=	1093.23	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	0.498	YN=	1093.28	DEPN=	1.17	YC=	1093.10	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	0.500	YN=	1093.15	DEPN=	1.17	YC=	1092.96	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	0.502	YN=	1093.00	DEPN=	1.15	YC=	1092.83	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	0.505	YN=	1092.86	DEPN=	1.15	YC=	1092.69	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	0.507	YN=	1092.73	DEPN=	1.15	YC=	1092.56	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	0.509	YN=	1092.59	DEPN=	1.15	YC=	1092.42	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	0.512	YN=	1092.46	DEPN=	1.15	YC=	1092.27	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	0.514	YN=	1092.33	DEPN=	1.15	YC=	1092.14	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	0.516	YN=	1092.19	DEPN=	1.15	YC=	1092.01	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	0.519	YN=	1092.04	DEPN=	1.14	YC=	1091.87	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	0.521	YN=	1091.91	DEPN=	1.14	YC=	1091.74	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	0.523	YN=	1091.77	DEPN=	1.14	YC=	1091.60	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	0.525	YN=	1091.64	DEPN=	1.14	YC=	1091.47	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	0.528	YN=	1091.50	DEPN=	1.14	YC=	1091.33	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	0.530	YN=	1091.37	DEPN=	1.14	YC=	1091.20	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	0.532	YN=	1091.23	DEPN=	1.14	YC=	1091.06	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	0.535	YN=	1091.10	DEPN=	1.14	YC=	1090.93	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	0.537	YN=	1090.95	DEPN=	1.13	YC=	1090.79	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	0.539	YN=	1090.81	DEPN=	1.13	YC=	1090.64	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	0.542	YN=	1090.68	DEPN=	1.13	YC=	1090.51	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	0.544	YN=	1090.55	DEPN=	1.13	YC=	1090.37	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	0.546	YN=	1090.41	DEPN=	1.13	YC=	1090.24	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	0.549	YN=	1090.28	DEPN=	1.13	YC=	1090.11	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	76	X=	0.551	YN=	1090.14	DEPN=	1.13	YC=	1089.97	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	77	X=	0.553	YN=	1090.01	DEPN=	1.13	YC=	1089.84	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	78	X=	0.556	YN=	1089.87	DEPN=	1.13	YC=	1089.70	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11

I=	79	X=	0.558	YN=	1089.74	DEPN=	1.13	YC=	1089.57	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	80	X=	0.560	YN=	1089.59	DEPN=	1.12	YC=	1089.43	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	0.563	YN=	1089.45	DEPN=	1.12	YC=	1089.30	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	82	X=	0.565	YN=	1089.32	DEPN=	1.12	YC=	1089.16	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	83	X=	0.567	YN=	1089.18	DEPN=	1.12	YC=	1089.03	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	84	X=	0.570	YN=	1089.05	DEPN=	1.12	YC=	1088.89	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	85	X=	0.572	YN=	1088.92	DEPN=	1.12	YC=	1088.74	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	86	X=	0.574	YN=	1088.78	DEPN=	1.12	YC=	1088.61	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	87	X=	0.577	YN=	1088.65	DEPN=	1.12	YC=	1088.47	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	88	X=	0.579	YN=	1088.51	DEPN=	1.12	YC=	1088.34	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	89	X=	0.581	YN=	1088.38	DEPN=	1.12	YC=	1088.21	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	90	X=	0.584	YN=	1088.24	DEPN=	1.12	YC=	1088.07	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	91	X=	0.586	YN=	1088.11	DEPN=	1.12	YC=	1087.94	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	92	X=	0.588	YN=	1087.96	DEPN=	1.11	YC=	1087.80	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	93	X=	0.591	YN=	1087.82	DEPN=	1.11	YC=	1087.67	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	94	X=	0.593	YN=	1087.69	DEPN=	1.11	YC=	1087.53	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	95	X=	0.595	YN=	1087.55	DEPN=	1.11	YC=	1087.40	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	96	X=	0.598	YN=	1087.42	DEPN=	1.11	YC=	1087.26	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	97	X=	0.600	YN=	1087.29	DEPN=	1.11	YC=	1087.13	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	98	X=	0.602	YN=	1087.15	DEPN=	1.11	YC=	1086.99	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	99	X=	0.605	YN=	1087.02	DEPN=	1.11	YC=	1086.86	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	100	X=	0.607	YN=	1086.88	DEPN=	1.11	YC=	1086.72	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	101	X=	0.609	YN=	1086.75	DEPN=	1.11	YC=	1086.59	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	102	X=	0.612	YN=	1086.61	DEPN=	1.11	YC=	1086.46	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	103	X=	0.614	YN=	1086.48	DEPN=	1.11	YC=	1086.30	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	104	X=	0.616	YN=	1086.34	DEPN=	1.11	YC=	1086.17	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	105	X=	0.618	YN=	1086.21	DEPN=	1.11	YC=	1086.04	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	106	X=	0.621	YN=	1086.07	DEPN=	1.11	YC=	1085.90	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	107	X=	0.623	YN=	1085.92	DEPN=	1.10	YC=	1085.77	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	108	X=	0.625	YN=	1085.79	DEPN=	1.10	YC=	1085.63	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	109	X=	0.628	YN=	1085.66	DEPN=	1.10	YC=	1085.50	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	110	X=	0.630	YN=	1085.52	DEPN=	1.10	YC=	1085.36	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	111	X=	0.632	YN=	1085.39	DEPN=	1.10	YC=	1085.23	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	112	X=	0.635	YN=	1085.25	DEPN=	1.10	YC=	1085.09	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	113	X=	0.637	YN=	1085.12	DEPN=	1.10	YC=	1084.96	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	114	X=	0.639	YN=	1084.98	DEPN=	1.10	YC=	1084.82	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	115	X=	0.642	YN=	1084.85	DEPN=	1.10	YC=	1084.69	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	116	X=	0.644	YN=	1084.71	DEPN=	1.10	YC=	1084.55	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	117	X=	0.646	YN=	1084.58	DEPN=	1.10	YC=	1084.42	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	118	X=	0.649	YN=	1084.44	DEPN=	1.10	YC=	1084.29	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	119	X=	0.651	YN=	1084.31	DEPN=	1.10	YC=	1084.15	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	120	X=	0.653	YN=	1084.17	DEPN=	1.10	YC=	1084.02	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	121	X=	0.656	YN=	1084.04	DEPN=	1.10	YC=	1083.88	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	122	X=	0.658	YN=	1083.91	DEPN=	1.10	YC=	1083.75	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	123	X=	0.660	YN=	1083.77	DEPN=	1.10	YC=	1083.61	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	124	X=	0.663	YN=	1083.62	DEPN=	1.09	YC=	1083.48	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	125	X=	0.665	YN=	1083.49	DEPN=	1.09	YC=	1083.33	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	126	X=	0.667	YN=	1083.35	DEPN=	1.09	YC=	1083.19	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	127	X=	0.670	YN=	1083.22	DEPN=	1.09	YC=	1083.06	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	128	X=	0.672	YN=	1083.08	DEPN=	1.09	YC=	1082.92	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	129	X=	0.674	YN=	1082.95	DEPN=	1.09	YC=	1082.79	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	130	X=	0.677	YN=	1082.81	DEPN=	1.09	YC=	1082.65	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	131	X=	0.679	YN=	1082.68	DEPN=	1.09	YC=	1082.52	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	132	X=	0.681	YN=	1082.54	DEPN=	1.09	YC=	1082.39	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	133	X=	0.684	YN=	1082.41	DEPN=	1.09	YC=	1082.25	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	134	X=	0.686	YN=	1082.28	DEPN=	1.09	YC=	1082.12	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	135	X=	0.688	YN=	1082.14	DEPN=	1.09	YC=	1081.98	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	136	X=	0.691	YN=	1082.01	DEPN=	1.09	YC=	1081.85	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	137	X=	0.693	YN=	1081.87	DEPN=	1.09	YC=	1081.71	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	138	X=	0.695	YN=	1081.74	DEPN=	1.09	YC=	1081.58	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11

I=	139	X=	0.698	YN=	1081.60	DEPN=	1.09	YC=	1081.44	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	140	X=	0.700	YN=	1081.47	DEPN=	1.09	YC=	1081.31	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	141	X=	0.702	YN=	1081.33	DEPN=	1.09	YC=	1081.17	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	142	X=	0.705	YN=	1081.20	DEPN=	1.09	YC=	1081.04	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	143	X=	0.707	YN=	1081.06	DEPN=	1.09	YC=	1080.90	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	144	X=	0.709	YN=	1080.91	DEPN=	1.08	YC=	1080.77	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	145	X=	0.711	YN=	1080.78	DEPN=	1.08	YC=	1080.64	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	146	X=	0.714	YN=	1080.64	DEPN=	1.08	YC=	1080.50	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	147	X=	0.716	YN=	1080.51	DEPN=	1.08	YC=	1080.37	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	148	X=	0.718	YN=	1080.38	DEPN=	1.08	YC=	1080.23	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	149	X=	0.721	YN=	1080.24	DEPN=	1.08	YC=	1080.10	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	150	X=	0.723	YN=	1080.11	DEPN=	1.08	YC=	1079.96	DEPC=	0.94	IFR=	0	ITN=	11	ITC=	11
I=	151	X=	0.725	YN=	1079.97	DEPN=	1.08	YC=	1079.81	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	152	X=	0.728	YN=	1079.84	DEPN=	1.08	YC=	1079.68	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	153	X=	0.730	YN=	1079.70	DEPN=	1.08	YC=	1079.54	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	154	X=	0.732	YN=	1079.57	DEPN=	1.08	YC=	1079.41	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	155	X=	0.735	YN=	1079.43	DEPN=	1.08	YC=	1079.27	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	156	X=	0.737	YN=	1079.30	DEPN=	1.08	YC=	1079.14	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	157	X=	0.739	YN=	1079.16	DEPN=	1.08	YC=	1079.00	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	158	X=	0.742	YN=	1079.03	DEPN=	1.08	YC=	1078.87	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	159	X=	0.744	YN=	1078.90	DEPN=	1.09	YC=	1078.73	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	160	X=	0.746	YN=	1078.76	DEPN=	1.09	YC=	1078.60	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	161	X=	0.749	YN=	1078.63	DEPN=	1.09	YC=	1078.47	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	162	X=	0.751	YN=	1078.49	DEPN=	1.09	YC=	1078.33	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	163	X=	0.753	YN=	1078.36	DEPN=	1.09	YC=	1078.20	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	164	X=	0.756	YN=	1078.22	DEPN=	1.09	YC=	1078.06	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	165	X=	0.758	YN=	1078.07	DEPN=	1.07	YC=	1077.93	DEPC=	0.93	IFR=	0	ITN=	11	ITC=	11
I=	166	X=	0.947	YN=	1063.09	DEPN=	1.09	YC=	1062.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	167	X=	1.136	YN=	1048.17	DEPN=	1.17	YC=	1048.01	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	168	X=	1.326	YN=	1038.12	DEPN=	1.12	YC=	1037.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	169	X=	1.515	YN=	1028.07	DEPN=	1.07	YC=	1027.91	DEPC=	0.91	IFR=	0	ITN=	11	ITC=	11
I=	170	X=	1.705	YN=	1018.02	DEPN=	1.02	YC=	1017.88	DEPC=	0.88	IFR=	0	ITN=	11	ITC=	11
I=	171	X=	1.894	YN=	1007.09	DEPN=	1.09	YC=	1006.92	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	172	X=	2.083	YN=	998.91	DEPN=	0.91	YC=	998.80	DEPC=	0.80	IFR=	0	ITN=	11	ITC=	11
I=	173	X=	2.131	YN=	996.69	DEPN=	0.94	YC=	996.54	DEPC=	0.79	IFR=	0	ITN=	11	ITC=	11
I=	174	X=	2.178	YN=	994.41	DEPN=	0.91	YC=	994.28	DEPC=	0.78	IFR=	0	ITN=	11	ITC=	11
I=	175	X=	2.226	YN=	992.14	DEPN=	0.89	YC=	992.02	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	176	X=	2.273	YN=	989.85	DEPN=	0.85	YC=	989.74	DEPC=	0.74	IFR=	0	ITN=	11	ITC=	11
I=	177	X=	2.320	YN=	987.14	DEPN=	0.89	YC=	987.02	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	178	X=	2.368	YN=	984.42	DEPN=	0.92	YC=	984.29	DEPC=	0.79	IFR=	0	ITN=	11	ITC=	11
I=	179	X=	2.415	YN=	981.69	DEPN=	0.94	YC=	981.56	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	180	X=	2.462	YN=	978.98	DEPN=	0.98	YC=	978.83	DEPC=	0.83	IFR=	0	ITN=	11	ITC=	11
I=	181	X=	2.652	YN=	968.06	DEPN=	1.06	YC=	967.92	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	182	X=	2.841	YN=	958.93	DEPN=	0.93	YC=	958.81	DEPC=	0.81	IFR=	0	ITN=	11	ITC=	11
I=	183	X=	2.936	YN=	954.39	DEPN=	0.89	YC=	954.27	DEPC=	0.77	IFR=	0	ITN=	11	ITC=	11
I=	184	X=	3.030	YN=	949.80	DEPN=	0.80	YC=	949.70	DEPC=	0.70	IFR=	0	ITN=	11	ITC=	11
I=	185	X=	3.220	YN=	939.82	DEPN=	0.82	YC=	939.72	DEPC=	0.72	IFR=	0	ITN=	11	ITC=	11
I=	186	X=	3.409	YN=	929.82	DEPN=	0.82	YC=	929.73	DEPC=	0.73	IFR=	0	ITN=	11	ITC=	11
I=	187	X=	3.485	YN=	925.51	DEPN=	0.91	YC=	925.39	DEPC=	0.79	IFR=	0	ITN=	11	ITC=	11
I=	188	X=	3.561	YN=	921.16	DEPN=	0.96	YC=	921.04	DEPC=	0.84	IFR=	0	ITN=	11	ITC=	11
I=	189	X=	3.636	YN=	916.80	DEPN=	1.00	YC=	916.66	DEPC=	0.86	IFR=	0	ITN=	11	ITC=	11
I=	190	X=	3.712	YN=	912.43	DEPN=	1.03	YC=	912.29	DEPC=	0.89	IFR=	0	ITN=	11	ITC=	11
I=	191	X=	3.788	YN=	908.13	DEPN=	1.13	YC=	907.92	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	192	X=	3.978	YN=	901.02	DEPN=	1.02	YC=	900.85	DEPC=	0.85	IFR=	0	ITN=	11	ITC=	11
I=	193	X=	4.167	YN=	893.92	DEPN=	0.92	YC=	893.80	DEPC=	0.80	IFR=	0	ITN=	11	ITC=	11
I=	194	X=	4.356	YN=	882.07	DEPN=	1.07	YC=	881.90	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	195	X=	4.545	YN=	875.10	DEPN=	1.10	YC=	874.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	196	X=	4.640	YN=	869.06	DEPN=	1.06	YC=	868.92	DEPC=	0.92	IFR=	0	ITN=	11	ITC=	11
I=	197	X=	4.735	YN=	862.96	DEPN=	0.96	YC=	862.87	DEPC=	0.87	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1, N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0			

IN=	197	YNN=	862.96	DEP=	0.96							
	I=	196	X=	4.640	QIL=	500.	YIL=	869.08	DEP=	1.08	ITB=	5
	I=	195	X=	4.545	QIL=	500.	YIL=	875.07	DEP=	1.07	ITB=	5
	I=	194	X=	4.356	QIL=	500.	YIL=	882.17	DEP=	1.17	ITB=	6
	I=	193	X=	4.167	QIL=	500.	YIL=	893.79	DEP=	0.79	ITB=	5
	I=	192	X=	3.978	QIL=	500.	YIL=	901.15	DEP=	1.15	ITB=	6
	I=	191	X=	3.788	QIL=	500.	YIL=	907.89	DEP=	0.89	ITB=	5
	I=	190	X=	3.712	QIL=	500.	YIL=	912.54	DEP=	1.14	ITB=	2
	I=	189	X=	3.636	QIL=	500.	YIL=	916.69	DEP=	0.89	ITB=	5
	I=	188	X=	3.561	QIL=	500.	YIL=	921.23	DEP=	1.03	ITB=	4
	I=	187	X=	3.485	QIL=	500.	YIL=	925.44	DEP=	0.84	ITB=	5
	I=	186	X=	3.409	QIL=	500.	YIL=	929.88	DEP=	0.88	ITB=	4
	I=	185	X=	3.220	QIL=	500.	YIL=	939.79	DEP=	0.79	ITB=	4
	I=	184	X=	3.030	QIL=	500.	YIL=	949.82	DEP=	0.82	ITB=	5
	I=	183	X=	2.936	QIL=	500.	YIL=	954.36	DEP=	0.86	ITB=	5
	I=	182	X=	2.841	QIL=	500.	YIL=	958.99	DEP=	0.99	ITB=	5
	I=	181	X=	2.652	QIL=	500.	YIL=	968.04	DEP=	1.04	ITB=	4
	I=	180	X=	2.462	QIL=	500.	YIL=	978.98	DEP=	0.98	ITB=	3
	I=	179	X=	2.415	QIL=	500.	YIL=	981.67	DEP=	0.92	ITB=	5
	I=	178	X=	2.368	QIL=	500.	YIL=	984.43	DEP=	0.93	ITB=	5
	I=	177	X=	2.320	QIL=	500.	YIL=	987.12	DEP=	0.87	ITB=	5
	I=	176	X=	2.273	QIL=	500.	YIL=	989.86	DEP=	0.86	ITB=	4
	I=	175	X=	2.226	QIL=	500.	YIL=	992.15	DEP=	0.90	ITB=	4
	I=	174	X=	2.178	QIL=	500.	YIL=	994.41	DEP=	0.91	ITB=	4
	I=	173	X=	2.131	QIL=	500.	YIL=	996.69	DEP=	0.94	ITB=	4
	I=	172	X=	2.083	QIL=	500.	YIL=	998.94	DEP=	0.94	ITB=	5
	I=	171	X=	1.894	QIL=	500.	YIL=	1007.13	DEP=	1.13	ITB=	5
	I=	170	X=	1.705	QIL=	500.	YIL=	1017.97	DEP=	0.97	ITB=	5
	I=	169	X=	1.515	QIL=	500.	YIL=	1028.13	DEP=	1.13	ITB=	5
	I=	168	X=	1.326	QIL=	500.	YIL=	1038.05	DEP=	1.05	ITB=	4
	I=	167	X=	1.136	QIL=	500.	YIL=	1048.28	DEP=	1.28	ITB=	4
	I=	166	X=	0.947	QIL=	500.	YIL=	1062.94	DEP=	0.94	ITB=	5
	I=	165	X=	0.758	QIL=	500.	YIL=	1078.14	DEP=	1.14	ITB=	4
	I=	164	X=	0.756	QIL=	500.	YIL=	1078.23	DEP=	1.10	ITB=	7
	I=	163	X=	0.753	QIL=	500.	YIL=	1078.35	DEP=	1.08	ITB=	7
	I=	162	X=	0.751	QIL=	500.	YIL=	1078.49	DEP=	1.08	ITB=	7

I=	161	X=	0.749	QIL=	500.	YIL=	1078.62	DEP=	1.08	ITB=	7
I=	160	X=	0.746	QIL=	500.	YIL=	1078.76	DEP=	1.08	ITB=	7
I=	159	X=	0.744	QIL=	500.	YIL=	1078.89	DEP=	1.08	ITB=	7
I=	158	X=	0.742	QIL=	500.	YIL=	1079.03	DEP=	1.08	ITB=	7
I=	157	X=	0.739	QIL=	500.	YIL=	1079.16	DEP=	1.08	ITB=	7
I=	156	X=	0.737	QIL=	500.	YIL=	1079.30	DEP=	1.08	ITB=	7
I=	155	X=	0.735	QIL=	500.	YIL=	1079.43	DEP=	1.08	ITB=	7
I=	154	X=	0.732	QIL=	500.	YIL=	1079.57	DEP=	1.08	ITB=	7
I=	153	X=	0.730	QIL=	500.	YIL=	1079.70	DEP=	1.08	ITB=	7
I=	152	X=	0.728	QIL=	500.	YIL=	1079.84	DEP=	1.08	ITB=	7
I=	151	X=	0.725	QIL=	500.	YIL=	1079.97	DEP=	1.08	ITB=	7
I=	150	X=	0.723	QIL=	500.	YIL=	1080.11	DEP=	1.08	ITB=	7
I=	149	X=	0.721	QIL=	500.	YIL=	1080.24	DEP=	1.09	ITB=	7
I=	148	X=	0.718	QIL=	500.	YIL=	1080.38	DEP=	1.09	ITB=	7
I=	147	X=	0.716	QIL=	500.	YIL=	1080.52	DEP=	1.09	ITB=	7
I=	146	X=	0.714	QIL=	500.	YIL=	1080.65	DEP=	1.09	ITB=	7
I=	145	X=	0.711	QIL=	500.	YIL=	1080.79	DEP=	1.09	ITB=	7
I=	144	X=	0.709	QIL=	500.	YIL=	1080.92	DEP=	1.09	ITB=	7
I=	143	X=	0.707	QIL=	500.	YIL=	1081.06	DEP=	1.09	ITB=	7
I=	142	X=	0.705	QIL=	500.	YIL=	1081.19	DEP=	1.09	ITB=	7
I=	141	X=	0.702	QIL=	500.	YIL=	1081.33	DEP=	1.09	ITB=	7
I=	140	X=	0.700	QIL=	500.	YIL=	1081.46	DEP=	1.09	ITB=	7
I=	139	X=	0.698	QIL=	500.	YIL=	1081.60	DEP=	1.09	ITB=	7
I=	138	X=	0.695	QIL=	500.	YIL=	1081.73	DEP=	1.09	ITB=	7
I=	137	X=	0.693	QIL=	500.	YIL=	1081.87	DEP=	1.09	ITB=	7
I=	136	X=	0.691	QIL=	500.	YIL=	1082.00	DEP=	1.09	ITB=	7
I=	135	X=	0.688	QIL=	500.	YIL=	1082.14	DEP=	1.09	ITB=	7
I=	134	X=	0.686	QIL=	500.	YIL=	1082.27	DEP=	1.09	ITB=	7
I=	133	X=	0.684	QIL=	500.	YIL=	1082.41	DEP=	1.09	ITB=	7
I=	132	X=	0.681	QIL=	500.	YIL=	1082.55	DEP=	1.09	ITB=	7
I=	131	X=	0.679	QIL=	500.	YIL=	1082.68	DEP=	1.09	ITB=	7
I=	130	X=	0.677	QIL=	500.	YIL=	1082.82	DEP=	1.09	ITB=	7
I=	129	X=	0.674	QIL=	500.	YIL=	1082.95	DEP=	1.09	ITB=	7
I=	128	X=	0.672	QIL=	500.	YIL=	1083.09	DEP=	1.09	ITB=	7
I=	127	X=	0.670	QIL=	500.	YIL=	1083.22	DEP=	1.09	ITB=	7
I=	126	X=	0.667	QIL=	500.	YIL=	1083.36	DEP=	1.09	ITB=	7
I=	125	X=	0.665	QIL=	500.	YIL=	1083.49	DEP=	1.09	ITB=	7
I=	124	X=	0.663	QIL=	500.	YIL=	1083.63	DEP=	1.09	ITB=	7
I=	123	X=	0.660	QIL=	500.	YIL=	1083.76	DEP=	1.09	ITB=	7
I=	122	X=	0.658	QIL=	500.	YIL=	1083.90	DEP=	1.10	ITB=	7
I=	121	X=	0.656	QIL=	500.	YIL=	1084.03	DEP=	1.10	ITB=	7
I=	120	X=	0.653	QIL=	500.	YIL=	1084.17	DEP=	1.10	ITB=	7
I=	119	X=	0.651	QIL=	500.	YIL=	1084.31	DEP=	1.10	ITB=	7
I=	118	X=	0.649	QIL=	500.	YIL=	1084.44	DEP=	1.10	ITB=	7
I=	117	X=	0.646	QIL=	500.	YIL=	1084.58	DEP=	1.10	ITB=	7
I=	116	X=	0.644	QIL=	500.	YIL=	1084.71	DEP=	1.10	ITB=	7
I=	115	X=	0.642	QIL=	500.	YIL=	1084.85	DEP=	1.10	ITB=	7
I=	114	X=	0.639	QIL=	500.	YIL=	1084.98	DEP=	1.10	ITB=	7
I=	113	X=	0.637	QIL=	500.	YIL=	1085.12	DEP=	1.10	ITB=	7
I=	112	X=	0.635	QIL=	500.	YIL=	1085.25	DEP=	1.10	ITB=	7
I=	111	X=	0.632	QIL=	500.	YIL=	1085.39	DEP=	1.10	ITB=	7
I=	110	X=	0.630	QIL=	500.	YIL=	1085.52	DEP=	1.10	ITB=	7
I=	109	X=	0.628	QIL=	500.	YIL=	1085.66	DEP=	1.10	ITB=	7
I=	108	X=	0.625	QIL=	500.	YIL=	1085.80	DEP=	1.10	ITB=	7
I=	107	X=	0.623	QIL=	500.	YIL=	1085.93	DEP=	1.10	ITB=	7
I=	106	X=	0.621	QIL=	500.	YIL=	1086.07	DEP=	1.10	ITB=	7
I=	105	X=	0.618	QIL=	500.	YIL=	1086.20	DEP=	1.10	ITB=	7
I=	104	X=	0.616	QIL=	500.	YIL=	1086.34	DEP=	1.10	ITB=	7
I=	103	X=	0.614	QIL=	500.	YIL=	1086.48	DEP=	1.11	ITB=	6
I=	102	X=	0.612	QIL=	500.	YIL=	1086.61	DEP=	1.11	ITB=	7

I=	101	X=	0.609	QIL=	500.	YIL=	1086.75	DEP=	1.11	ITB=	6
I=	100	X=	0.607	QIL=	500.	YIL=	1086.88	DEP=	1.11	ITB=	6
I=	99	X=	0.605	QIL=	500.	YIL=	1087.02	DEP=	1.11	ITB=	6
I=	98	X=	0.602	QIL=	500.	YIL=	1087.15	DEP=	1.11	ITB=	6
I=	97	X=	0.600	QIL=	500.	YIL=	1087.29	DEP=	1.11	ITB=	6
I=	96	X=	0.598	QIL=	500.	YIL=	1087.43	DEP=	1.11	ITB=	6
I=	95	X=	0.595	QIL=	500.	YIL=	1087.56	DEP=	1.11	ITB=	6
I=	94	X=	0.593	QIL=	500.	YIL=	1087.70	DEP=	1.11	ITB=	6
I=	93	X=	0.591	QIL=	500.	YIL=	1087.83	DEP=	1.11	ITB=	6
I=	92	X=	0.588	QIL=	500.	YIL=	1087.97	DEP=	1.11	ITB=	6
I=	91	X=	0.586	QIL=	500.	YIL=	1088.10	DEP=	1.12	ITB=	6
I=	90	X=	0.584	QIL=	500.	YIL=	1088.24	DEP=	1.12	ITB=	6
I=	89	X=	0.581	QIL=	500.	YIL=	1088.37	DEP=	1.12	ITB=	6
I=	88	X=	0.579	QIL=	500.	YIL=	1088.51	DEP=	1.12	ITB=	6
I=	87	X=	0.577	QIL=	500.	YIL=	1088.65	DEP=	1.12	ITB=	6
I=	86	X=	0.574	QIL=	500.	YIL=	1088.78	DEP=	1.12	ITB=	6
I=	85	X=	0.572	QIL=	500.	YIL=	1088.92	DEP=	1.12	ITB=	6
I=	84	X=	0.570	QIL=	500.	YIL=	1089.05	DEP=	1.12	ITB=	6
I=	83	X=	0.567	QIL=	500.	YIL=	1089.19	DEP=	1.12	ITB=	6
I=	82	X=	0.565	QIL=	500.	YIL=	1089.33	DEP=	1.12	ITB=	6
I=	81	X=	0.563	QIL=	500.	YIL=	1089.46	DEP=	1.12	ITB=	6
I=	80	X=	0.560	QIL=	500.	YIL=	1089.60	DEP=	1.12	ITB=	6
I=	79	X=	0.558	QIL=	500.	YIL=	1089.73	DEP=	1.13	ITB=	6
I=	78	X=	0.556	QIL=	500.	YIL=	1089.87	DEP=	1.13	ITB=	6
I=	77	X=	0.553	QIL=	500.	YIL=	1090.00	DEP=	1.13	ITB=	6
I=	76	X=	0.551	QIL=	500.	YIL=	1090.14	DEP=	1.13	ITB=	6
I=	75	X=	0.549	QIL=	500.	YIL=	1090.28	DEP=	1.13	ITB=	6
I=	74	X=	0.546	QIL=	500.	YIL=	1090.41	DEP=	1.13	ITB=	6
I=	73	X=	0.544	QIL=	500.	YIL=	1090.55	DEP=	1.13	ITB=	6
I=	72	X=	0.542	QIL=	500.	YIL=	1090.68	DEP=	1.13	ITB=	6
I=	71	X=	0.539	QIL=	500.	YIL=	1090.82	DEP=	1.13	ITB=	6
I=	70	X=	0.537	QIL=	500.	YIL=	1090.96	DEP=	1.14	ITB=	6
I=	69	X=	0.535	QIL=	500.	YIL=	1091.09	DEP=	1.14	ITB=	6
I=	68	X=	0.532	QIL=	500.	YIL=	1091.23	DEP=	1.14	ITB=	6
I=	67	X=	0.530	QIL=	500.	YIL=	1091.37	DEP=	1.14	ITB=	6
I=	66	X=	0.528	QIL=	500.	YIL=	1091.50	DEP=	1.14	ITB=	6
I=	65	X=	0.525	QIL=	500.	YIL=	1091.64	DEP=	1.14	ITB=	6
I=	64	X=	0.523	QIL=	500.	YIL=	1091.77	DEP=	1.14	ITB=	6
I=	63	X=	0.521	QIL=	500.	YIL=	1091.91	DEP=	1.14	ITB=	6
I=	62	X=	0.519	QIL=	500.	YIL=	1092.05	DEP=	1.15	ITB=	6
I=	61	X=	0.516	QIL=	500.	YIL=	1092.18	DEP=	1.15	ITB=	6
I=	60	X=	0.514	QIL=	500.	YIL=	1092.32	DEP=	1.15	ITB=	6
I=	59	X=	0.512	QIL=	500.	YIL=	1092.46	DEP=	1.15	ITB=	6
I=	58	X=	0.509	QIL=	500.	YIL=	1092.59	DEP=	1.15	ITB=	6
I=	57	X=	0.507	QIL=	500.	YIL=	1092.73	DEP=	1.15	ITB=	6
I=	56	X=	0.505	QIL=	500.	YIL=	1092.87	DEP=	1.16	ITB=	6
I=	55	X=	0.502	QIL=	500.	YIL=	1093.00	DEP=	1.16	ITB=	6
I=	54	X=	0.500	QIL=	500.	YIL=	1093.14	DEP=	1.16	ITB=	6
I=	53	X=	0.498	QIL=	500.	YIL=	1093.28	DEP=	1.16	ITB=	6
I=	52	X=	0.495	QIL=	500.	YIL=	1093.41	DEP=	1.16	ITB=	6
I=	51	X=	0.493	QIL=	500.	YIL=	1093.55	DEP=	1.16	ITB=	6
I=	50	X=	0.491	QIL=	500.	YIL=	1093.69	DEP=	1.17	ITB=	6
I=	49	X=	0.488	QIL=	500.	YIL=	1093.83	DEP=	1.17	ITB=	6
I=	48	X=	0.486	QIL=	500.	YIL=	1093.96	DEP=	1.17	ITB=	6
I=	47	X=	0.484	QIL=	500.	YIL=	1094.10	DEP=	1.17	ITB=	6
I=	46	X=	0.481	QIL=	500.	YIL=	1094.24	DEP=	1.18	ITB=	6
I=	45	X=	0.479	QIL=	500.	YIL=	1094.37	DEP=	1.18	ITB=	6
I=	44	X=	0.477	QIL=	500.	YIL=	1094.51	DEP=	1.18	ITB=	6
I=	43	X=	0.474	QIL=	500.	YIL=	1094.65	DEP=	1.18	ITB=	6
I=	42	X=	0.472	QIL=	500.	YIL=	1094.79	DEP=	1.19	ITB=	6

I=	41	X=	0.470	QIL=	500.	YIL=	1094.93	DEP=	1.19	ITB=	6
I=	40	X=	0.467	QIL=	500.	YIL=	1095.06	DEP=	1.19	ITB=	6
I=	39	X=	0.465	QIL=	500.	YIL=	1095.20	DEP=	1.20	ITB=	6
I=	38	X=	0.463	QIL=	500.	YIL=	1095.34	DEP=	1.20	ITB=	6
I=	37	X=	0.460	QIL=	500.	YIL=	1095.48	DEP=	1.20	ITB=	6
I=	36	X=	0.458	QIL=	500.	YIL=	1095.62	DEP=	1.21	ITB=	6
I=	35	X=	0.456	QIL=	500.	YIL=	1095.76	DEP=	1.21	ITB=	6
I=	34	X=	0.453	QIL=	500.	YIL=	1095.89	DEP=	1.21	ITB=	6
I=	33	X=	0.451	QIL=	500.	YIL=	1096.03	DEP=	1.22	ITB=	6
I=	32	X=	0.449	QIL=	500.	YIL=	1096.17	DEP=	1.22	ITB=	6
I=	31	X=	0.446	QIL=	500.	YIL=	1096.31	DEP=	1.23	ITB=	6
I=	30	X=	0.444	QIL=	500.	YIL=	1096.45	DEP=	1.23	ITB=	6
I=	29	X=	0.442	QIL=	500.	YIL=	1096.59	DEP=	1.24	ITB=	6
I=	28	X=	0.439	QIL=	500.	YIL=	1096.73	DEP=	1.24	ITB=	6
I=	27	X=	0.437	QIL=	500.	YIL=	1096.87	DEP=	1.25	ITB=	6
I=	26	X=	0.435	QIL=	500.	YIL=	1097.01	DEP=	1.25	ITB=	6
I=	25	X=	0.432	QIL=	500.	YIL=	1097.15	DEP=	1.26	ITB=	6
I=	24	X=	0.430	QIL=	500.	YIL=	1097.30	DEP=	1.27	ITB=	6
I=	23	X=	0.428	QIL=	500.	YIL=	1097.44	DEP=	1.27	ITB=	6
I=	22	X=	0.426	QIL=	500.	YIL=	1097.58	DEP=	1.28	ITB=	6
I=	21	X=	0.423	QIL=	500.	YIL=	1097.72	DEP=	1.28	ITB=	6
I=	20	X=	0.421	QIL=	500.	YIL=	1097.86	DEP=	1.29	ITB=	6
I=	19	X=	0.419	QIL=	500.	YIL=	1098.00	DEP=	1.29	ITB=	6
I=	18	X=	0.416	QIL=	500.	YIL=	1098.14	DEP=	1.30	ITB=	6
I=	17	X=	0.414	QIL=	500.	YIL=	1098.28	DEP=	1.31	ITB=	6
I=	16	X=	0.412	QIL=	500.	YIL=	1098.42	DEP=	1.31	ITB=	6
I=	15	X=	0.409	QIL=	500.	YIL=	1098.57	DEP=	1.32	ITB=	6
I=	14	X=	0.407	QIL=	500.	YIL=	1098.72	DEP=	1.34	ITB=	6
I=	13	X=	0.405	QIL=	500.	YIL=	1098.86	DEP=	1.35	ITB=	6
I=	12	X=	0.402	QIL=	500.	YIL=	1099.01	DEP=	1.36	ITB=	6
I=	11	X=	0.400	QIL=	500.	YIL=	1099.16	DEP=	1.38	ITB=	6
I=	10	X=	0.398	QIL=	500.	YIL=	1099.32	DEP=	1.40	ITB=	6
I=	9	X=	0.395	QIL=	500.	YIL=	1099.48	DEP=	1.42	ITB=	6
I=	8	X=	0.393	QIL=	500.	YIL=	1099.64	DEP=	1.45	ITB=	6
I=	7	X=	0.391	QIL=	500.	YIL=	1099.80	DEP=	1.48	ITB=	6
I=	6	X=	0.388	QIL=	500.	YIL=	1099.97	DEP=	1.51	ITB=	6
I=	5	X=	0.386	QIL=	500.	YIL=	1100.15	DEP=	1.55	ITB=	6
I=	4	X=	0.384	QIL=	500.	YIL=	1100.33	DEP=	1.60	ITB=	6
I=	3	X=	0.381	QIL=	500.	YIL=	1100.52	DEP=	1.66	ITB=	6
I=	2	X=	0.379	QIL=	500.	YIL=	1100.72	DEP=	1.72	ITB=	6
I=	1	X=	0.000	QIL=	500.	YIL=	1163.20	DEP=	23.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.

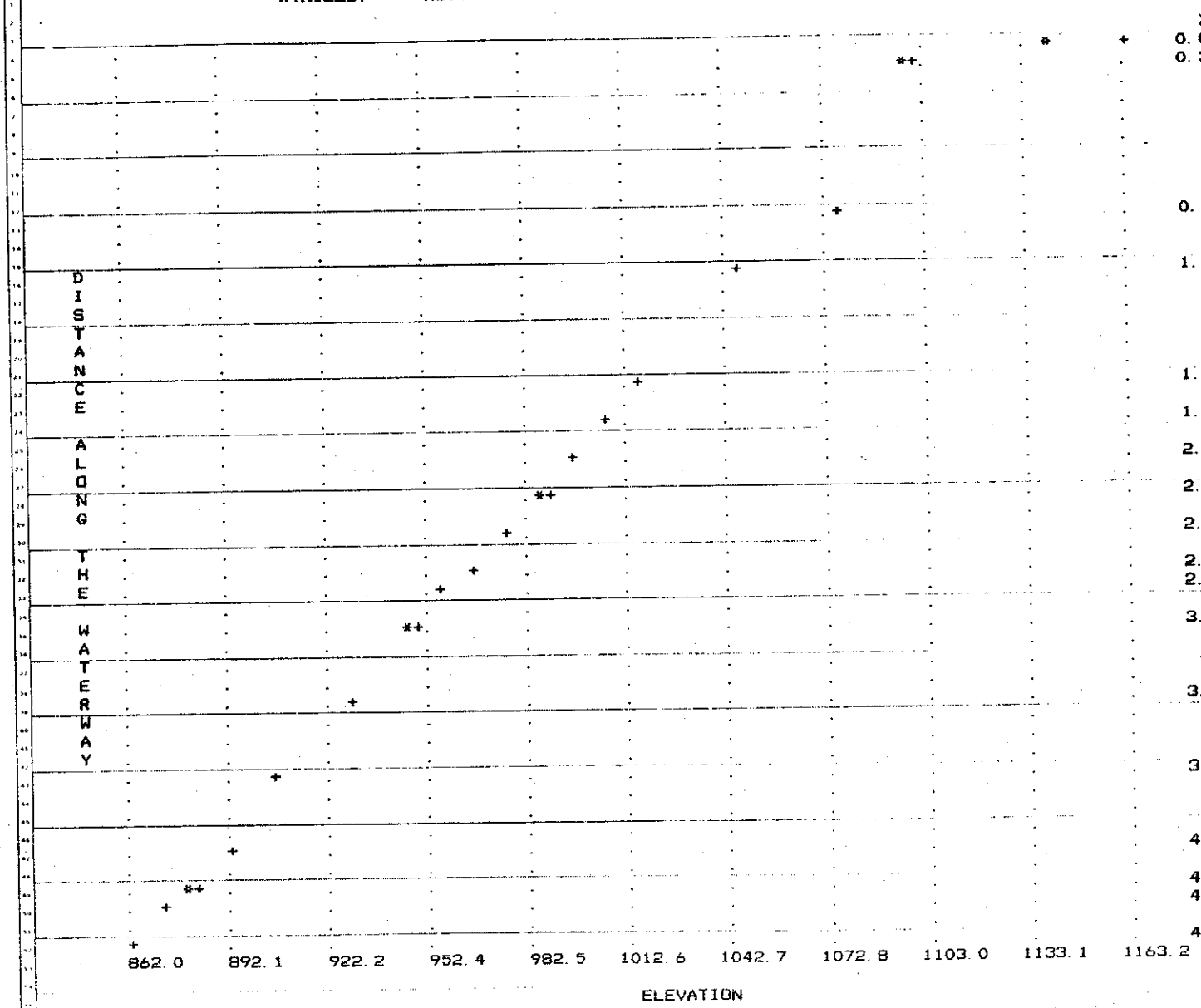
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.			

(YI(I), I=1, N)

1163.20	1100.72	1100.52	1100.33	1100.15	1099.97	1099.80	1099.64
1099.48	1099.32	1099.16	1099.01	1098.86	1098.72	1098.57	1098.42
1098.28	1098.14	1098.00	1097.86	1097.72	1097.58	1097.44	1097.30
1097.15	1097.01	1096.87	1096.73	1096.59	1096.45	1096.31	1096.17
1096.03	1095.89	1095.76	1095.62	1095.48	1095.34	1095.20	1095.06
1094.93	1094.79	1094.65	1094.51	1094.37	1094.24	1094.10	1093.96
1093.83	1093.69	1093.55	1093.41	1093.28	1093.14	1093.00	1092.87
1092.73	1092.59	1092.46	1092.32	1092.18	1092.05	1091.91	1091.77
1091.64	1091.50	1091.37	1091.23	1091.09	1090.96	1090.82	1090.68
1090.55	1090.41	1090.28	1090.14	1090.00	1089.87	1089.73	1089.60
1089.46	1089.33	1089.19	1089.05	1088.92	1088.78	1088.65	1088.51
1088.37	1088.24	1088.10	1087.97	1087.83	1087.70	1087.56	1087.43
1087.29	1087.15	1087.02	1086.88	1086.75	1086.61	1086.48	1086.34
1086.20	1086.07	1085.93	1085.80	1085.66	1085.52	1085.39	1085.25
1085.12	1084.98	1084.85	1084.71	1084.58	1084.44	1084.31	1084.17
1084.03	1083.90	1083.76	1083.63	1083.49	1083.36	1083.22	1083.09
1082.95	1082.82	1082.68	1082.55	1082.41	1082.27	1082.14	1082.00
1081.87	1081.73	1081.60	1081.46	1081.33	1081.19	1081.06	1080.92
1080.79	1080.65	1080.52	1080.38	1080.24	1080.11	1079.97	1079.84
1079.70	1079.57	1079.43	1079.30	1079.16	1079.03	1078.89	1078.76
1078.62	1078.49	1078.35	1078.23	1078.14	1062.94	1048.28	1038.05
1028.13	1017.97	1007.13	998.94	996.69	994.41	992.15	989.86
987.12	984.43	981.67	978.98	968.04	958.99	954.36	949.82
939.79	929.88	925.44	921.23	916.69	912.54	907.89	901.15
893.79	882.17	875.07	869.08	862.96			

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1140.00	1163.20	23.20
0.38	1099.00	1100.72	1.72
0.76	1077.00	1078.14	1.14
1.14	1047.00	1048.28	1.28
1.71	1017.00	1017.97	0.97
1.89	1006.00	1007.13	1.13
2.08	998.00	998.94	0.94
2.27	989.00	989.86	0.86
2.46	978.00	978.98	0.98
2.65	967.00	968.04	1.04
2.84	958.00	958.99	0.99
3.03	949.00	949.82	0.82
3.41	929.00	929.88	0.88
3.79	907.00	907.89	0.89
4.17	893.00	893.79	0.79
4.36	881.00	882.17	1.17
4.55	874.00	875.07	1.07
4.74	862.00	862.96	0.96

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	6.500
TIME TO PEAK	HR	TP	2.500
TIME STEP SIZE	HR	DTHI	0.025

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1163.20  QU(N) =      500.00  YU(N) =      862.96
FRDM=     1.14  IIFR=  191  FRM=0.00 IIFM=    1

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1163.20  QU(N) =      500.00  YU(N) =      862.98
FRDM=     1.07  IIFR=  166  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1163.20	1152.00	1100.74	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =      500.00     YU(1) =     1163.19  QU(N) =      545.89  YU(N) =      863.00
FRDM=     1.10  IIFR=  166  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1163.19	1152.00	1100.74	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =    0.0250          DTH =  0.0250          ITERR =    0
QU(1) =      595.73     YU(1) =     1163.19  QU(N) =      571.31  YU(N) =      863.01
FRDM=     1.08  IIFR=  166  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     0.025     595.7   1163.19   1151.44   1100.82      1.00       4.8     595.7      95.7       0.0     500.0

TT =    0.0500          DTH =  0.0250          ITERR =    1
QU(1) =      882.80     YU(1) =     1163.18  QU(N) =      575.71  YU(N) =      863.01
FRDM=     1.09  IIFR=  166  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     0.050     882.8   1163.18   1150.88   1101.04      1.00       9.5     882.8     382.8       0.0     500.0

TT =    0.0750          DTH =  0.0250          ITERR =    1
QU(1) =     1360.97     YU(1) =     1163.17  QU(N) =      579.55  YU(N) =      863.01
FRDM=     1.08  IIFR=  166  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1     0.075    1361.0   1163.17   1150.32   1101.32      1.00      14.3    1361.0     861.0       0.0     500.0

TT =    0.1000          DTH =  0.0250          ITERR =    1
QU(1) =     2029.52     YU(1) =     1163.16  QU(N) =      579.75  YU(N) =      863.02
FRDM=     1.09  IIFR=  166  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.100    2029.5   1163.16   1149.76   1101.63      1.00      19.0    2029.5    1529.5       0.0     500.0
```

```
TT =    0.1250          DTH =  0.0250          ITERR =    1
QU(1) =     2887.43     YU(1) =     1163.14  QU(N) =      580.36  YU(N) =      863.02
FRDM=     1.09  IIFR=  166  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.125     2887.4   1163.14   1149.20   1101.94      1.00     23.8    2887.4    2387.4       0.0     500.0

TT =    0.1500          DTH =  0.0250          ITERR =    1
QU(1) =     3604.61     YU(1) =     1163.10  QU(N) =      579.62  YU(N) =      863.02
FRDM=     1.09  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.150     3604.6   1163.10   1149.00   1102.16      1.00     28.5    3604.6    3204.6       0.0     400.0

TT =    0.1750          DTH =  0.0250          ITERR =    1
QU(1) =     4281.28     YU(1) =     1163.07  QU(N) =      579.34  YU(N) =      863.01
FRDM=     1.08  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.175     4281.3   1163.07   1149.00   1102.34      1.00     33.3    4281.3    3981.3       0.0     300.0

TT =    0.2000          DTH =  0.0250          ITERR =    1
QU(1) =     5017.62     YU(1) =     1163.02  QU(N) =      578.73  YU(N) =      863.01
FRDM=     1.08  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.200     5017.6   1163.02   1149.00   1102.51      1.00     38.0    5017.6    4817.6       0.0     200.0
```

```
TT =    0.2250          DTH =  0.0250          ITERR =    1
QU(1) =     5807.78     YU(1) =     1162.97  QU(N) =     578.27  YU(N) =     863.01
FRDM=     1.08  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    0.225    5807.8   1162.97   1149.00   1102.69      1.00     42.8    5807.8    5707.8       0.0    100.0

TT =    0.2500          DTH =  0.0250          ITERR =    1
QU(1) =     6645.05     YU(1) =     1162.91  QU(N) =     577.86  YU(N) =     863.01
FRDM=     1.08  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    0.250    6645.0   1162.91   1149.00   1102.85      1.00     47.5    6645.0    6645.0       0.0      0.0

TT =    0.2750          DTH =  0.0250          ITERR =    1
QU(1) =     7622.18     YU(1) =     1162.84  QU(N) =     577.79  YU(N) =     863.01
FRDM=     1.08  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    0.275    7622.2   1162.84   1149.00   1103.03      1.00     52.3    7622.2    7622.2       0.0      0.0

TT =    0.3000          DTH =  0.0250          ITERR =    1
QU(1) =     9871.78     YU(1) =     1162.75  QU(N) =     577.89  YU(N) =     863.01
FRDM=     1.10  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1    0.300    9871.8   1162.75   1149.00   1103.39      1.00     57.0    9871.8    9871.8       0.0      0.0
```

```
TT =   0.3250          DTH =  0.0250          ITERR =   1
QU(1) =   10497.94     YU(1) =    1162.65  QU(N) =     577.99  YU(N) =     863.01
FRDM=    0.90  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.325   10497.9   1162.65   1149.00   1103.50      1.00      61.8   10497.9   10497.9       0.0       0.0

TT =   0.3500          DTH =  0.0250          ITERR =   1
QU(1) =   11098.50     YU(1) =    1162.54  QU(N) =     578.35  YU(N) =     863.01
FRDM=    0.90  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.350   11098.5   1162.54   1149.00   1103.58      1.00      66.5   11098.5   11098.5       0.0       0.0

TT =   0.3750          DTH =  0.0250          ITERR =   0
QU(1) =   11672.12     YU(1) =    1162.42  QU(N) =     578.69  YU(N) =     863.01
FRDM=    0.90  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    0.375   11672.1   1162.42   1149.00   1103.66      1.00      71.3   11672.1   11672.1       0.0       0.0

TT =   0.4000          DTH =  0.0250          ITERR =   1
QU(1) =   12217.71     YU(1) =    1162.30  QU(N) =     579.06  YU(N) =     863.01
FRDM=    0.90  IIFR=  191  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.400   12217.7   1162.30   1149.00   1103.73      1.00      76.0   12217.7   12217.7       0.0       0.0
```

```
TT =    0.4250          DTH =  0.0250          ITERR =    1
QU(1) =    12733.15     YU(1) =     1162.17  QU(N) =      579.39  YU(N) =      863.01
FRDM=     0.90  IIFR=  191  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.425   12733.1   1162.17   1149.00   1103.80      1.00      80.8   12733.1   12733.1       0.0       0.0

TT =    0.4500          DTH =  0.0250          ITERR =    1
QU(1) =    13217.65     YU(1) =     1162.03  QU(N) =      579.73  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.450   13217.6   1162.03   1149.00   1103.86      1.00      85.5   13217.6   13217.6       0.0       0.0

TT =    0.4750          DTH =  0.0250          ITERR =    1
QU(1) =    13669.92     YU(1) =     1161.88  QU(N) =      580.06  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.475   13669.9   1161.88   1149.00   1103.92      1.00      90.3   13669.9   13669.9       0.0       0.0

TT =    0.5000          DTH =  0.0250          ITERR =    1
QU(1) =    14088.93     YU(1) =     1161.73  QU(N) =      580.35  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.500   14088.9   1161.73   1149.00   1103.97      1.00      95.0   14088.9   14088.9       0.0       0.0
```

```
TT =    0.5250          DTH =   0.0250          ITERR =    1
QU(1) =    13822.91     YU(1) =     1161.57  QU(N) =      580.63  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.525	13822.9	1161.57	1149.00	1103.94	1.00	95.0	13822.9	13822.9	0.0	0.0

```
TT =    0.5500          DTH =   0.0250          ITERR =    1
QU(1) =    13559.87     YU(1) =     1161.42  QU(N) =      580.78  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.550	13559.9	1161.42	1149.00	1103.91	1.00	95.0	13559.9	13559.9	0.0	0.0

```
TT =    0.5750          DTH =   0.0250          ITERR =    1
QU(1) =    13299.94     YU(1) =     1161.26  QU(N) =      580.61  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.575	13299.9	1161.26	1149.00	1103.88	1.00	95.0	13299.9	13299.9	0.0	0.0

```
TT =    0.6000          DTH =   0.0250          ITERR =    1
QU(1) =    13042.90     YU(1) =     1161.11  QU(N) =      580.44  YU(N) =      863.02
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.600	13042.9	1161.11	1149.00	1103.84	1.00	95.0	13042.9	13042.9	0.0	0.0

```
TT =    0.6250          DTH =  0.0250          ITERR =   1
QU(1) =   12788.95     YU(1) =    1160.96  QU(N) =     580.23  YU(N) =     863.02
FRDM=    0.90  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.625   12789.0   1160.96   1149.00   1103.81      1.00     95.0   12789.0   12789.0       0.0       0.0

TT =    0.6500          DTH =  0.0250          ITERR =   1
QU(1) =   12537.86     YU(1) =    1160.81  QU(N) =     580.04  YU(N) =     863.02
FRDM=    0.90  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.650   12537.9   1160.81   1149.00   1103.78      1.00     95.0   12537.9   12537.9       0.0       0.0

TT =    0.6750          DTH =  0.0250          ITERR =   1
QU(1) =   12289.82     YU(1) =    1160.65  QU(N) =     579.82  YU(N) =     863.02
FRDM=    0.91  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.675   12289.8   1160.65   1149.00   1103.75      1.00     95.0   12289.8   12289.8       0.0       0.0

TT =    0.7000          DTH =  0.0250          ITERR =   1
QU(1) =   12044.60     YU(1) =    1160.50  QU(N) =     579.68  YU(N) =     863.02
FRDM=    0.91  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.700   12044.6   1160.50   1149.00   1103.72      1.00     95.0   12044.6   12044.6       0.0       0.0
```

```
TT =    0.7250          DTH =  0.0250          ITERR =    1
QU(1) =    11802.39     YU(1) =     1160.35  QU(N) =     579.50  YU(N) =     863.01
FRDM=     0.91  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.725   11802.4   1160.35   1149.00   1103.68      1.00     95.0   11802.4   11802.4       0.0       0.0

TT =    0.7500          DTH =  0.0250          ITERR =    1
QU(1) =    11562.98     YU(1) =     1160.20  QU(N) =     579.40  YU(N) =     863.01
FRDM=     0.91  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.750   11563.0   1160.20   1149.00   1103.65      1.00     95.0   11563.0   11563.0       0.0       0.0

TT =    0.7750          DTH =  0.0250          ITERR =    1
QU(1) =    11326.54     YU(1) =     1160.05  QU(N) =     579.23  YU(N) =     863.01
FRDM=     0.90  IIFR=  191  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.775   11326.5   1160.05   1149.00   1103.62      1.00     95.0   11326.5   11326.5       0.0       0.0

TT =    0.8000          DTH =  0.0250          ITERR =    1
QU(1) =    11092.79     YU(1) =     1159.91  QU(N) =     579.15  YU(N) =     863.01
FRDM=     0.90  IIFR=  166  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.800   11092.8   1159.91   1149.00   1103.59      1.00     95.0   11092.8   11092.8       0.0       0.0
```

```
TT =    0.8250          DTH =  0.0250          ITERR =    1
QU(1) =    10861.69     YU(1) =     1159.76  QU(N) =      579.18  YU(N) =      863.01
FRDM=     0.92  IIFR=  166  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.825	10861.7	1159.76	1149.00	1103.55	1.00	95.0	10861.7	10861.7	0.0	0.0

```
TT =    0.8500          DTH =  0.0250          ITERR =    1
QU(1) =    10633.09     YU(1) =     1159.61  QU(N) =      579.17  YU(N) =      863.01
FRDM=     0.93  IIFR=  166  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.850	10633.1	1159.61	1149.00	1103.52	1.00	95.0	10633.1	10633.1	0.0	0.0

```
TT =    0.8750          DTH =  0.0250          ITERR =    1
QU(1) =    10407.03     YU(1) =     1159.46  QU(N) =      579.20  YU(N) =      863.01
FRDM=     0.93  IIFR=  166  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.875	10407.0	1159.46	1149.00	1103.49	1.00	95.0	10407.0	10407.0	0.0	0.0

```
TT =    0.9000          DTH =  0.0250          ITERR =    1
QU(1) =    10183.48     YU(1) =     1159.32  QU(N) =      579.17  YU(N) =      863.01
FRDM=     0.93  IIFR=  166  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.900	10183.5	1159.32	1149.00	1103.46	1.00	95.0	10183.5	10183.5	0.0	0.0

```
TT =    0.9250          DTH =  0.0250          ITERR =    1
QU(1) =     9962.46     YU(1) =     1159.17  QU(N) =      579.20  YU(N) =     863.01
FRDM=    0.94  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.925    9962.5   1159.17   1149.00   1103.42      1.00      95.0    9962.5    9962.5       0.0       0.0

TT =    0.9500          DTH =  0.0250          ITERR =    1
QU(1) =     9743.93     YU(1) =     1159.03  QU(N) =      579.28  YU(N) =     863.01
FRDM=    0.94  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.950    9743.9   1159.03   1149.00   1103.39      1.00      95.0    9743.9    9743.9       0.0       0.0

TT =    0.9750          DTH =  0.0250          ITERR =    1
QU(1) =     9527.90     YU(1) =     1158.88  QU(N) =      578.95  YU(N) =     863.01
FRDM=    0.94  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.975    9527.9   1158.88   1149.00   1103.36      1.00      95.0    9527.9    9527.9       0.0       0.0

TT =    1.0000          DTH =  0.0250          ITERR =    1
QU(1) =     9314.35     YU(1) =     1158.74  QU(N) =      579.42  YU(N) =     863.01
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.000    9314.3   1158.74   1149.00   1103.32      1.00      95.0    9314.3    9314.3       0.0       0.0
```

```
TT =    1.0250          DTH =  0.0250          ITERR =   1
QU(1) =     9103.42     YU(1) =     1158.59  QU(N) =     579.43  YU(N) =     863.01
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.025    9103.4   1158.59   1149.00   1103.29      1.00      95.0    9103.4    9103.4       0.0       0.0

TT =    1.0500          DTH =  0.0250          ITERR =   2
QU(1) =     8895.64     YU(1) =     1158.45  QU(N) =     579.49  YU(N) =     863.01
FRDM=     0.95  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     1.050    8895.6   1158.45   1149.00   1103.26      1.00      95.0    8895.6    8895.6       0.0       0.0

TT =    1.0750          DTH =  0.0250          ITERR =   1
QU(1) =     8690.85     YU(1) =     1158.31  QU(N) =     579.15  YU(N) =     863.01
FRDM=     0.95  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.075    8690.8   1158.31   1149.00   1103.22      1.00      95.0    8690.8    8690.8       0.0       0.0

TT =    1.1000          DTH =  0.0250          ITERR =   1
QU(1) =     8489.03     YU(1) =     1158.17  QU(N) =     579.32  YU(N) =     863.01
FRDM=     0.95  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.100    8489.0   1158.17   1149.00   1103.19      1.00      95.0    8489.0    8489.0       0.0       0.0
```

```
TT =    1.1250          DTH =  0.0250          ITERR =    1
QU(1) =     8290.16     YU(1) =     1158.03  QU(N) =     580.34  YU(N) =     863.02
FRDM=     0.96  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.125    8290.2   1158.03   1149.00   1103.16      1.00     95.0    8290.2    8290.2       0.0       0.0

TT =    1.1500          DTH =  0.0250          ITERR =    1
QU(1) =     8094.39     YU(1) =     1157.89  QU(N) =     580.08  YU(N) =     863.02
FRDM=     0.96  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.150    8094.4   1157.89   1149.00   1103.13      1.00     95.0    8094.4    8094.4       0.0       0.0

TT =    1.1750          DTH =  0.0250          ITERR =    1
QU(1) =     7901.52     YU(1) =     1157.75  QU(N) =     579.16  YU(N) =     863.01
FRDM=     0.96  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.175    7901.5   1157.75   1149.00   1103.09      1.00     95.0    7901.5    7901.5       0.0       0.0

TT =    1.2000          DTH =  0.0250          ITERR =    1
QU(1) =     7711.53     YU(1) =     1157.61  QU(N) =     583.56  YU(N) =     863.02
FRDM=     0.96  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.200    7711.5   1157.61   1149.00   1103.06      1.00     95.0    7711.5    7711.5       0.0       0.0
```

```
TT =    1.2250          DTH =  0.0250          ITERR =    1
QU(1) =     7524.57     YU(1) =     1157.47  QU(N) =     578.37  YU(N) =     863.01
FRDM=     0.97  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.225	7524.6	1157.47	1149.00	1103.03	1.00	95.0	7524.6	7524.6	0.0	0.0

```
TT =    1.2500          DTH =  0.0250          ITERR =    1
QU(1) =     7340.61     YU(1) =     1157.34  QU(N) =     576.78  YU(N) =     863.01
FRDM=     0.97  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.250	7340.6	1157.34	1149.00	1102.99	1.00	95.0	7340.6	7340.6	0.0	0.0

```
TT =    1.2750          DTH =  0.0250          ITERR =    1
QU(1) =     7159.45     YU(1) =     1157.20  QU(N) =     577.40  YU(N) =     863.01
FRDM=     0.97  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.275	7159.5	1157.20	1149.00	1102.96	1.00	95.0	7159.5	7159.5	0.0	0.0

```
TT =    1.3000          DTH =  0.0250          ITERR =    1
QU(1) =     6981.25     YU(1) =     1157.07  QU(N) =     580.54  YU(N) =     863.02
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.300	6981.2	1157.07	1149.00	1102.93	1.00	95.0	6981.2	6981.2	0.0	0.0

```
TT =    1.3250          DTH =  0.0250          ITERR =    1
QU(1) =     6805.97     YU(1) =     1156.94  QU(N) =      582.50  YU(N) =      863.02
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.325     6806.0   1156.94   1149.00   1102.89      1.00     95.0    6806.0    6806.0       0.0       0.0

TT =    1.3500          DTH =  0.0250          ITERR =    1
QU(1) =     6633.60     YU(1) =     1156.81  QU(N) =      571.38  YU(N) =      863.01
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.350     6633.6   1156.81   1149.00   1102.86      1.00     95.0    6633.6    6633.6       0.0       0.0

TT =    1.3750          DTH =  0.0250          ITERR =    1
QU(1) =     6464.10     YU(1) =     1156.67  QU(N) =      578.10  YU(N) =      863.01
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.375     6464.1   1156.67   1149.00   1102.83      1.00     95.0    6464.1    6464.1       0.0       0.0

TT =    1.4000          DTH =  0.0250          ITERR =    1
QU(1) =     6297.45     YU(1) =     1156.54  QU(N) =      577.31  YU(N) =      863.01
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.400     6297.4   1156.54   1149.00   1102.80      1.00     95.0    6297.4    6297.4       0.0       0.0
```

```
TT =    1.4250          DTH =  0.0250          ITERR =    1
QU(1) =     6133.78     YU(1) =     1156.42  QU(N) =      607.29  YU(N) =      863.02
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.425    6133.8   1156.42   1149.00   1102.76      1.00      95.0    6133.8    6133.8       0.0       0.0

TT =    1.4500          DTH =  0.0250          ITERR =    1
QU(1) =     5972.91     YU(1) =     1156.29  QU(N) =      628.62  YU(N) =      863.03
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.450    5972.9   1156.29   1149.00   1102.73      1.00      95.0    5972.9    5972.9       0.0       0.0

TT =    1.4750          DTH =  0.0250          ITERR =    1
QU(1) =     5814.97     YU(1) =     1156.16  QU(N) =      617.14  YU(N) =      863.03
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.475    5815.0   1156.16   1149.00   1102.70      1.00      95.0    5815.0    5815.0       0.0       0.0

TT =    1.5000          DTH =  0.0250          ITERR =    1
QU(1) =     5659.93     YU(1) =     1156.04  QU(N) =      597.44  YU(N) =      863.02
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.500    5659.9   1156.04   1149.00   1102.66      1.00      95.0    5659.9    5659.9       0.0       0.0
```

```
TT =    1.5250          DTH =  0.0250          ITERR =    1
QU(1) =     5510.73     YU(1) =     1155.91  QU(N) =     611.68  YU(N) =     863.03
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.525    5510.7   1155.91   1149.00   1102.63      1.00      95.0    5510.7    5510.7       0.0       0.0

TT =    1.5500          DTH =  0.0250          ITERR =    1
QU(1) =     5370.56     YU(1) =     1155.80  QU(N) =     659.48  YU(N) =     863.04
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.550    5370.6   1155.80   1149.00   1102.60      1.00      95.0    5370.6    5370.6       0.0       0.0

TT =    1.5750          DTH =  0.0250          ITERR =    1
QU(1) =     5239.63     YU(1) =     1155.69  QU(N) =     653.15  YU(N) =     863.04
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.575    5239.6   1155.69   1149.00   1102.57      1.00      95.0    5239.6    5239.6       0.0       0.0

TT =    1.6000          DTH =  0.0250          ITERR =    1
QU(1) =     5117.76     YU(1) =     1155.59  QU(N) =     646.61  YU(N) =     863.04
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.600    5117.8   1155.59   1149.00   1102.55      1.00      95.0    5117.8    5117.8       0.0       0.0
```

```
TT =    1.6250          DTH =  0.0250          ITERR =   2
QU(1) =     5004.88     YU(1) =     1155.49  QU(N) =     606.64  YU(N) =     863.02
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    2     1.625     5004.9   1155.49   1149.00   1102.52      1.00     95.0    5004.9    5004.9       0.0      0.0

TT =    1.6500          DTH =  0.0250          ITERR =   1
QU(1) =     4900.79     YU(1) =     1155.40  QU(N) =     515.96  YU(N) =     863.02
FRDM=     1.01  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.650     4900.8   1155.40   1149.00   1102.50      1.00     95.0    4900.8    4900.8       0.0      0.0

TT =    1.6750          DTH =  0.0250          ITERR =   1
QU(1) =     4805.44     YU(1) =     1155.32  QU(N) =     906.34  YU(N) =     863.11
FRDM=     2.13  IIFR=  193  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.675     4805.4   1155.32   1149.00   1102.47      1.00     95.0    4805.4    4805.4       0.0      0.0

TT =    1.7000          DTH =  0.0250          ITERR =   7
QU(1) =     4718.65     YU(1) =     1155.25  QU(N) =     955.32  YU(N) =     863.13
FRDM=     2.13  IIFR=  193  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    7     1.700     4718.6   1155.25   1149.00   1102.45      1.00     95.0    4718.6    4718.6       0.0      0.0
```

```
TT =    1.7250          DTH =  0.0250          ITERR =    1
QU(1) =     4640.24     YU(1) =     1155.18  QU(N) =     721.12  YU(N) =     863.06
FRDM=     2.13  IIFR=  193  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.725    4640.2   1155.18   1149.00   1102.43      1.00     95.0    4640.2    4640.2       0.0       0.0

TT =    1.7500          DTH =  0.0250          ITERR =    1
QU(1) =     4570.06     YU(1) =     1155.12  QU(N) =     769.78  YU(N) =     863.07
FRDM=     2.13  IIFR=  193  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.750    4570.1   1155.12   1149.00   1102.42      1.00     95.0    4570.1    4570.1       0.0       0.0

TT =    1.7750          DTH =  0.0250          ITERR =    1
QU(1) =     4508.90     YU(1) =     1155.06  QU(N) =     850.29  YU(N) =     863.10
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.775    4508.9   1155.06   1149.00   1102.40      1.00     95.0    4508.9    4508.9       0.0       0.0

TT =    1.8000          DTH =  0.0250          ITERR =    1
QU(1) =     4457.45     YU(1) =     1155.02  QU(N) =     876.61  YU(N) =     863.10
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.800    4457.4   1155.02   1149.00   1102.39      1.00     95.0    4457.4    4457.4       0.0       0.0
```

```
TT =   1.8250          DTH =  0.0250          ITERR =   1
GU(1) =    4415.56     YU(1) =    1154.98  GU(N) =    1474.99  YU(N) =     863.24
FRDM=    1.03  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1    1.825    4415.6   1154.98   1149.00   1102.38      1.00      95.0    4415.6    4415.6       0.0       0.0

TT =   1.8500          DTH =  0.0250          ITERR =   2
GU(1) =    4382.83     YU(1) =    1154.95  GU(N) =    1718.32  YU(N) =     863.29
FRDM=    1.02  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    2    1.850    4382.8   1154.95   1149.00   1102.37      1.00      95.0    4382.8    4382.8       0.0       0.0

TT =   1.8750          DTH =  0.0250          ITERR =   2
GU(1) =    4359.17     YU(1) =    1154.93  GU(N) =    1760.05  YU(N) =     863.29
FRDM=    1.03  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    2    1.875    4359.2   1154.93   1149.00   1102.36      1.00      95.0    4359.2    4359.2       0.0       0.0

TT =   1.9000          DTH =  0.0250          ITERR =   1
GU(1) =    4344.21     YU(1) =    1154.92  GU(N) =    1659.96  YU(N) =     863.28
FRDM=    1.02  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    1    1.900    4344.2   1154.92   1149.00   1102.36      1.00      95.0    4344.2    4344.2       0.0       0.0
```

```
TT =    1.9250          DTH =  0.0250          ITERR =    1
QU(1) =     4337.62     YU(1) =     1154.91  QU(N) =     1597.53  YU(N) =     863.27
FRDM=     1.03  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.925    4337.6   1154.91   1149.00   1102.36    1.00     95.0    4337.6    4337.6       0.0      0.0

TT =    1.9500          DTH =  0.0250          ITERR =    1
QU(1) =     4339.24     YU(1) =     1154.91  QU(N) =     1122.40  YU(N) =     863.17
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.950    4339.2   1154.91   1149.00   1102.36    1.00     95.0    4339.2    4339.2       0.0      0.0

TT =    1.9750          DTH =  0.0250          ITERR =    1
QU(1) =     4348.77     YU(1) =     1154.92  QU(N) =      875.34  YU(N) =     863.10
FRDM=     1.03  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     1.975    4348.8   1154.92   1149.00   1102.36    1.00     95.0    4348.8    4348.8       0.0      0.0

TT =    2.0000          DTH =  0.0250          ITERR =    1
QU(1) =     4365.94     YU(1) =     1154.94  QU(N) =     1230.08  YU(N) =     863.18
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    1     2.000    4365.9   1154.94   1149.00   1102.37    1.00     95.0    4365.9    4365.9       0.0      0.0
```

```
TT =    2.0250          DTH =  0.0250          ITERR =    1
QU(1) =     4389.12     YU(1) =     1154.96  QU(N) =     2432.34  YU(N) =     863.39
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.025	4389.1	1154.96	1149.00	1102.37	1.00	95.0	4389.1	4389.1	0.0	0.0

```
TT =    2.0500          DTH =  0.0250          ITERR =    1
QU(1) =     4417.04     YU(1) =     1154.98  QU(N) =     4200.08  YU(N) =     863.60
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.050	4417.0	1154.98	1149.00	1102.38	1.00	95.0	4417.0	4417.0	0.0	0.0

```
TT =    2.0750          DTH =  0.0250          ITERR =    0
QU(1) =     4449.36     YU(1) =     1155.01  QU(N) =     6052.61  YU(N) =     863.77
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.075	4449.4	1155.01	1149.00	1102.39	1.00	95.0	4449.4	4449.4	0.0	0.0

```
TT =    2.1000          DTH =  0.0250          ITERR =    0
QU(1) =     4485.96     YU(1) =     1155.04  QU(N) =     7700.44  YU(N) =     863.89
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.100	4486.0	1155.04	1149.00	1102.40	1.00	95.0	4486.0	4486.0	0.0	0.0

```
TT =    2.1250          DTH =  0.0250          ITERR =    0
GU(1) =     4526.62     YU(1) =     1155.08  GU(N) =     8974.51  YU(N) =     863.98
FRDM=     1.01  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0    2.125    4526.6   1155.08   1149.00   1102.41      1.00      95.0    4526.6    4526.6       0.0       0.0

TT =    2.1500          DTH =  0.0250          ITERR =    0
GU(1) =     4571.23     YU(1) =     1155.12  GU(N) =     9935.52  YU(N) =     864.04
FRDM=     1.01  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0    2.150    4571.2   1155.12   1149.00   1102.42      1.00      95.0    4571.2    4571.2       0.0       0.0

TT =    2.1750          DTH =  0.0250          ITERR =    0
GU(1) =     4619.56     YU(1) =     1155.16  GU(N) =    10614.47  YU(N) =     864.08
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0    2.175    4619.6   1155.16   1149.00   1102.43      1.00      95.0    4619.6    4619.6       0.0       0.0

TT =    2.2000          DTH =  0.0250          ITERR =    0
GU(1) =     4671.52     YU(1) =     1155.21  GU(N) =    11076.16  YU(N) =     864.11
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0    2.200    4671.5   1155.21   1149.00   1102.44      1.00      95.0    4671.5    4671.5       0.0       0.0
```

```
TT =    2.2250          DTH =  0.0250          ITERR =    0
QU(1) =     4727.00     YU(1) =     1155.25  QU(N) =    11366.59  YU(N) =      864.13
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.225    4727.0   1155.25   1149.00   1102.45      1.00     95.0    4727.0    4727.0       0.0       0.0

TT =    2.2500          DTH =  0.0250          ITERR =    0
QU(1) =     4785.78     YU(1) =     1155.30  QU(N) =    11530.31  YU(N) =      864.14
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.250    4785.8   1155.30   1149.00   1102.47      1.00     95.0    4785.8    4785.8       0.0       0.0

TT =    2.2750          DTH =  0.0250          ITERR =    0
QU(1) =     4848.73     YU(1) =     1155.36  QU(N) =    11598.47  YU(N) =      864.14
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.275    4848.7   1155.36   1149.00   1102.48      1.00     95.0    4848.7    4848.7       0.0       0.0

TT =    2.3000          DTH =  0.0250          ITERR =    0
QU(1) =     4916.99     YU(1) =     1155.42  QU(N) =    11596.26  YU(N) =      864.14
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.300    4917.0   1155.42   1149.00   1102.50      1.00     95.0    4917.0    4917.0       0.0       0.0
```

```
TT =    2.3252          DTH =  0.0253          ITERR =    0
QU(1) =     4990.92     YU(1) =     1155.48  QU(N) =    11544.63  YU(N) =      864.14
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.325     4990.9   1155.48   1149.00   1102.51      1.00     95.0    4990.9    4990.9       0.0       0.0

TT =    2.3508          DTH =  0.0255          ITERR =    0
QU(1) =     5070.42     YU(1) =     1155.55  QU(N) =    11450.84  YU(N) =      864.14
FRDM=     0.97  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.351     5070.4   1155.55   1149.00   1102.53      1.00     95.0    5070.4    5070.4       0.0       0.0

TT =    2.3765          DTH =  0.0258          ITERR =    0
QU(1) =     5155.57     YU(1) =     1155.62  QU(N) =    11327.25  YU(N) =      864.13
FRDM=     0.97  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.377     5155.6   1155.62   1149.00   1102.55      1.00     95.0    5155.6    5155.6       0.0       0.0

TT =    2.4025          DTH =  0.0260          ITERR =    0
QU(1) =     5246.17     YU(1) =     1155.70  QU(N) =    11185.68  YU(N) =      864.12
FRDM=     0.96  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.403     5246.2   1155.70   1149.00   1102.57      1.00     95.0    5246.2    5246.2       0.0       0.0
```

```
TT =   2.4288          DTH =  0.0263          ITERR =   0
QU(1) =    5342.16     YU(1) =    1155.78  QU(N) =   11033.18  YU(N) =     864.11
FRDM=    0.96  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.429	5342.2	1155.78	1149.00	1102.59	1.00	95.0	5342.2	5342.2	0.0	0.0

```
TT =   2.4553          DTH =  0.0265          ITERR =   0
QU(1) =    5443.63     YU(1) =    1155.86  QU(N) =   10876.67  YU(N) =     864.10
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.455	5443.6	1155.86	1149.00	1102.62	1.00	95.0	5443.6	5443.6	0.0	0.0

```
TT =   2.4821          DTH =  0.0268          ITERR =   0
QU(1) =    5550.24     YU(1) =    1155.95  QU(N) =   10718.07  YU(N) =     864.09
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.482	5550.2	1155.95	1149.00	1102.64	1.00	95.0	5550.2	5550.2	0.0	0.0

```
TT =   2.5092          DTH =  0.0271          ITERR =   0
QU(1) =    5660.21     YU(1) =    1156.04  QU(N) =   10557.47  YU(N) =     864.09
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.509	5660.2	1156.04	1149.00	1102.66	1.00	95.0	5660.2	5660.2	0.0	0.0

```
TT =    2.5366          DTH =   0.0273          ITERR =    0
QU(1) =     5767.17     YU(1) =     1156.12  QU(N) =    10395.59  YU(N) =      864.08
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.537     5767.2   1156.12   1149.00   1102.69      1.00     95.0    5767.2    5767.2       0.0       0.0

TT =    2.5642          DTH =   0.0276          ITERR =    0
QU(1) =     5867.52     YU(1) =     1156.20  QU(N) =    10231.56  YU(N) =      864.07
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.564     5867.5   1156.20   1149.00   1102.71      1.00     95.0    5867.5    5867.5       0.0       0.0

TT =    2.5921          DTH =   0.0279          ITERR =    0
QU(1) =     5961.66     YU(1) =     1156.28  QU(N) =    10065.14  YU(N) =      864.06
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.592     5961.7   1156.28   1149.00   1102.73      1.00     95.0    5961.7    5961.7       0.0       0.0

TT =    2.6202          DTH =   0.0282          ITERR =    0
QU(1) =     6049.98     YU(1) =     1156.35  QU(N) =     9898.11  YU(N) =      864.05
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.620     6050.0   1156.35   1149.00   1102.74      1.00     95.0    6050.0    6050.0       0.0       0.0
```

```
TT =    2.6487          DTH =  0.0285          ITERR =    0
QU(1) =     6132.64     YU(1) =     1156.42  QU(N) =     9728.26  YU(N) =     864.04
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.649    6132.6   1156.42   1149.00   1102.76      1.00      95.0    6132.6    6132.6       0.0       0.0

TT =    2.6774          DTH =  0.0287          ITERR =    0
QU(1) =     6209.83     YU(1) =     1156.48  QU(N) =     9556.93  YU(N) =     864.03
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.677    6209.8   1156.48   1149.00   1102.78      1.00      95.0    6209.8    6209.8       0.0       0.0

TT =    2.7064          DTH =  0.0290          ITERR =    0
QU(1) =     6281.89     YU(1) =     1156.53  QU(N) =     9385.00  YU(N) =     864.02
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.706    6281.9   1156.53   1149.00   1102.79      1.00      95.0    6281.9    6281.9       0.0       0.0

TT =    2.7358          DTH =  0.0293          ITERR =    0
QU(1) =     6348.86     YU(1) =     1156.58  QU(N) =     9212.13  YU(N) =     864.00
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.736    6348.9   1156.58   1149.00   1102.80      1.00      95.0    6348.9    6348.9       0.0       0.0
```

```
TT =    2.7654          DTH =  0.0296          ITERR =    0
QU(1) =     6408.14     YU(1) =     1156.63  QU(N) =     9038.62  YU(N) =     863.99
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.765     6408.1   1156.63   1149.00   1102.82      1.00      95.0    6408.1    6408.1       0.0       0.0

TT =    2.7953          DTH =  0.0299          ITERR =    0
QU(1) =     6454.36     YU(1) =     1156.67  QU(N) =     8865.24  YU(N) =     863.98
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.795     6454.4   1156.67   1149.00   1102.82      1.00      95.0    6454.4    6454.4       0.0       0.0

TT =    2.8255          DTH =  0.0302          ITERR =    0
QU(1) =     6485.31     YU(1) =     1156.69  QU(N) =     8694.20  YU(N) =     863.97
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.825     6485.3   1156.69   1149.00   1102.83      1.00      95.0    6485.3    6485.3       0.0       0.0

TT =    2.8560          DTH =  0.0305          ITERR =    0
QU(1) =     6501.02     YU(1) =     1156.70  QU(N) =     8524.53  YU(N) =     863.96
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.856     6501.0   1156.70   1149.00   1102.83      1.00      95.0    6501.0    6501.0       0.0       0.0
```

```
TT =    2.8868          DTH =  0.0308          ITERR =    0
QU(1) =     6501.81     YU(1) =     1156.70  QU(N) =     8355.91  YU(N) =     863.95
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.887    6501.8   1156.70   1149.00   1102.83      1.00      95.0    6501.8    6501.8       0.0       0.0


TT =    2.9179          DTH =  0.0311          ITERR =    0
QU(1) =     6487.72     YU(1) =     1156.69  QU(N) =     8190.53  YU(N) =     863.94
FRDM=     0.92  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.918    6487.7   1156.69   1149.00   1102.83      1.00      95.0    6487.7    6487.7       0.0       0.0


TT =    2.9493          DTH =  0.0314          ITERR =    0
QU(1) =     6458.69     YU(1) =     1156.67  QU(N) =     8026.62  YU(N) =     863.93
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.949    6458.7   1156.67   1149.00   1102.83      1.00      95.0    6458.7    6458.7       0.0       0.0


TT =    2.9811          DTH =  0.0317          ITERR =    0
QU(1) =     6414.85     YU(1) =     1156.64  QU(N) =     7864.38  YU(N) =     863.92
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.981    6414.8   1156.64   1149.00   1102.82      1.00      95.0    6414.8    6414.8       0.0       0.0
```

```
TT =    3.0131          DTH =  0.0321          ITERR =    0
QU(1) =     6357.25     YU(1) =     1156.59  QU(N) =     7703.63  YU(N) =     863.90
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.013    6357.2   1156.59   1149.00   1102.81      1.00      95.0    6357.2    6357.2       0.0       0.0

TT =    3.0455          DTH =  0.0324          ITERR =    0
QU(1) =     6288.84     YU(1) =     1156.54  QU(N) =     7542.66  YU(N) =     863.89
FRDM=     0.93  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.046    6288.8   1156.54   1149.00   1102.79      1.00      95.0    6288.8    6288.8       0.0       0.0

TT =    3.0782          DTH =  0.0327          ITERR =    0
QU(1) =     6211.23     YU(1) =     1156.48  QU(N) =     7382.08  YU(N) =     863.88
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.078    6211.2   1156.48   1149.00   1102.78      1.00      95.0    6211.2    6211.2       0.0       0.0

TT =    3.1113          DTH =  0.0330          ITERR =    0
QU(1) =     6124.26     YU(1) =     1156.41  QU(N) =     7222.10  YU(N) =     863.87
FRDM=     0.94  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.111    6124.3   1156.41   1149.00   1102.76      1.00      95.0    6124.3    6124.3       0.0       0.0
```

```
TT =   3.1446          DTH =  0.0334          ITERR =   0
QU(1) =    6027.73     YU(1) =    1156.33  QU(N) =    7062.04  YU(N) =     863.86
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.145	6027.7	1156.33	1149.00	1102.74	1.00	95.0	6027.7	6027.7	0.0	0.0

```
TT =   3.1783          DTH =  0.0337          ITERR =   0
QU(1) =    5921.44     YU(1) =    1156.25  QU(N) =    6902.11  YU(N) =     863.85
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.178	5921.4	1156.25	1149.00	1102.72	1.00	95.0	5921.4	5921.4	0.0	0.0

```
TT =   3.2124          DTH =  0.0340          ITERR =   0
QU(1) =    5805.22     YU(1) =    1156.15  QU(N) =    6745.13  YU(N) =     863.83
FRDM=    0.95  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.212	5805.2	1156.15	1149.00	1102.69	1.00	95.0	5805.2	5805.2	0.0	0.0

```
TT =   3.2467          DTH =  0.0344          ITERR =   0
QU(1) =    5678.61     YU(1) =    1156.05  QU(N) =    6591.31  YU(N) =     863.82
FRDM=    0.96  IIFR=  166  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.247	5678.6	1156.05	1149.00	1102.67	1.00	95.0	5678.6	5678.6	0.0	0.0

```
TT =   3.2814          DTH =  0.0347          ITERR =   0
QU(1) =    5544.38     YU(1) =    1155.94  QU(N) =    6443.07  YU(N) =     863.81
FRDM=    0.96  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    3.281    5544.4   1155.94   1149.00   1102.64      1.00      95.0    5544.4    5544.4       0.0       0.0


TT =   3.3165          DTH =  0.0351          ITERR =   0
QU(1) =    5407.02     YU(1) =    1155.83  QU(N) =    6297.25  YU(N) =     863.80
FRDM=    0.97  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    3.317    5407.0   1155.83   1149.00   1102.61      1.00      95.0    5407.0    5407.0       0.0       0.0


TT =   3.3519          DTH =  0.0354          ITERR =   0
QU(1) =    5266.98     YU(1) =    1155.71  QU(N) =    6155.86  YU(N) =     863.79
FRDM=    0.97  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    3.352    5267.0   1155.71   1149.00   1102.58      1.00      95.0    5267.0    5267.0       0.0       0.0


TT =   3.3877          DTH =  0.0358          ITERR =   0
QU(1) =    5124.19     YU(1) =    1155.59  QU(N) =    6015.31  YU(N) =     863.78
FRDM=    0.98  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    3.388    5124.2   1155.59   1149.00   1102.55      1.00      95.0    5124.2    5124.2       0.0       0.0
```

```
TT =    3.4238          DTH =  0.0361          ITERR =    0
GU(1) =     4978.76     YU(1) =     1155.47  GU(N) =     5878.31  YU(N) =     863.77
FRDM=     0.98  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.424     4978.8   1155.47   1149.00   1102.51      1.00      95.0    4978.8    4978.8       0.0       0.0

TT =    3.4603          DTH =  0.0365          ITERR =    0
GU(1) =     4830.51     YU(1) =     1155.34  GU(N) =     5742.65  YU(N) =     863.75
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.460     4830.5   1155.34   1149.00   1102.48      1.00      95.0    4830.5    4830.5       0.0       0.0

TT =    3.4972          DTH =  0.0369          ITERR =    0
GU(1) =     4679.30     YU(1) =     1155.21  GU(N) =     5611.30  YU(N) =     863.74
FRDM=     0.99  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.497     4679.3   1155.21   1149.00   1102.44      1.00      95.0    4679.3    4679.3       0.0       0.0

TT =    3.5344          DTH =  0.0372          ITERR =    0
GU(1) =     4526.71     YU(1) =     1155.08  GU(N) =     5482.27  YU(N) =     863.73
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.534     4526.7   1155.08   1149.00   1102.41      1.00      95.0    4526.7    4526.7       0.0       0.0
```

```
TT =    3.5720          DTH =  0.0376          ITERR =    0
GU(1) =     4374.47     YU(1) =     1154.94  GU(N) =     5357.82  YU(N) =     863.72
FRDM=     1.00  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.572	4374.5	1154.94	1149.00	1102.37	1.00	95.0	4374.5	4374.5	0.0	0.0

```
TT =    3.6099          DTH =  0.0380          ITERR =    0
GU(1) =     4222.62     YU(1) =     1154.81  GU(N) =     5236.85  YU(N) =     863.71
FRDM=     1.01  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.610	4222.6	1154.81	1149.00	1102.33	1.00	95.0	4222.6	4222.6	0.0	0.0

```
TT =    3.6483          DTH =  0.0383          ITERR =    0
GU(1) =     4071.24     YU(1) =     1154.67  GU(N) =     5121.58  YU(N) =     863.70
FRDM=     1.01  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.648	4071.2	1154.67	1149.00	1102.29	1.00	95.0	4071.2	4071.2	0.0	0.0

```
TT =    3.6870          DTH =  0.0387          ITERR =    0
GU(1) =     3920.10     YU(1) =     1154.53  GU(N) =     5010.81  YU(N) =     863.69
FRDM=     1.02  IIFR=  166  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.687	3920.1	1154.53	1149.00	1102.25	1.00	95.0	3920.1	3920.1	0.0	0.0

```
TT =    3.7261          DTH =  0.0391          ITERR =    0
QU(1) =     3769.31     YU(1) =     1154.39  QU(N) =     4907.24  YU(N) =     863.68
FRDM=     1.03  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.726     3769.3   1154.39   1149.00   1102.21      1.00      95.0    3769.3    3769.3       0.0       0.0

TT =    3.7657          DTH =  0.0395          ITERR =    0
QU(1) =     3619.26     YU(1) =     1154.25  QU(N) =     4810.25  YU(N) =     863.67
FRDM=     1.03  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.766     3619.3   1154.25   1149.00   1102.17      1.00      95.0    3619.3    3619.3       0.0       0.0

TT =    3.8056          DTH =  0.0399          ITERR =    0
QU(1) =     3471.68     YU(1) =     1154.11  QU(N) =     4722.59  YU(N) =     863.66
FRDM=     1.04  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.806     3471.7   1154.11   1149.00   1102.13      1.00      95.0    3471.7    3471.7       0.0       0.0

TT =    3.8459          DTH =  0.0403          ITERR =    0
QU(1) =     3327.30     YU(1) =     1153.97  QU(N) =     4644.71  YU(N) =     863.66
FRDM=     1.05  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.846     3327.3   1153.97   1149.00   1102.09      1.00      95.0    3327.3    3327.3       0.0       0.0
```

```
TT =    3.8866          DTH =  0.0407          ITERR =    0
QU(1) =     3186.18     YU(1) =     1153.83  QU(N) =     4577.80  YU(N) =     863.65
FRDM=     1.05  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.887    3186.2   1153.83   1149.00   1102.04      1.00     95.0    3186.2    3186.2       0.0       0.0

TT =    3.9277          DTH =  0.0411          ITERR =    0
QU(1) =     3048.17     YU(1) =     1153.69  QU(N) =     4523.95  YU(N) =     863.64
FRDM=     1.06  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.928    3048.2   1153.69   1149.00   1102.00      1.00     95.0    3048.2    3048.2       0.0       0.0

TT =    3.9692          DTH =  0.0415          ITERR =    0
QU(1) =     2913.36     YU(1) =     1153.55  QU(N) =     4483.01  YU(N) =     863.64
FRDM=     1.07  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.969    2913.4   1153.55   1149.00   1101.96      1.00     95.0    2913.4    2913.4       0.0       0.0

TT =    4.0112          DTH =  0.0419          ITERR =    0
QU(1) =     2781.85     YU(1) =     1153.41  QU(N) =     4457.86  YU(N) =     863.64
FRDM=     1.08  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.011    2781.8   1153.41   1149.00   1101.91      1.00     95.0    2781.8    2781.8       0.0       0.0
```

```
TT =    4.0535          DTH =  0.0424          ITERR =    0
QU(1) =     2654.65     YU(1) =     1153.28  QU(N) =     4448.47  YU(N) =     863.64
FRDM=     1.09  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.054    2654.7   1153.28   1149.00   1101.87      1.00      95.0    2654.7    2654.7       0.0       0.0

TT =    4.0963          DTH =  0.0428          ITERR =    0
QU(1) =     2532.32     YU(1) =     1153.15  QU(N) =     4459.78  YU(N) =     863.64
FRDM=     1.10  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.096    2532.3   1153.15   1149.00   1101.83      1.00      95.0    2532.3    2532.3       0.0       0.0

TT =    4.1395          DTH =  0.0432          ITERR =    0
QU(1) =     2414.85     YU(1) =     1153.02  QU(N) =     4495.18  YU(N) =     863.64
FRDM=     1.11  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.140    2414.8   1153.02   1149.00   1101.79      1.00      95.0    2414.8    2414.8       0.0       0.0

TT =    4.1832          DTH =  0.0436          ITERR =    0
QU(1) =     2302.12     YU(1) =     1152.90  QU(N) =     4557.94  YU(N) =     863.65
FRDM=     1.12  IIFR=  166  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0    4.183    2302.1   1152.90   1149.00   1101.75      1.00      95.0    2302.1    2302.1       0.0       0.0
```

```
TT =    4.2273          DTH =  0.0441          ITERR =    0
QU(1) =     2194.13     YU(1) =     1152.77  QU(N) =     4650.41  YU(N) =     863.66
FRDM=     1.13  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
I    0     4.227     2194.1   1152.77   1149.00   1101.70      1.00     95.0    2194.1    2194.1       0.0      0.0

TT =    4.2718          DTH =  0.0445          ITERR =    0
QU(1) =     2090.74     YU(1) =     1152.66  QU(N) =     4774.50  YU(N) =     863.67
FRDM=     1.13  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.272     2090.7   1152.66   1149.00   1101.66      1.00     95.0    2090.7    2090.7       0.0      0.0

TT =    4.3167          DTH =  0.0450          ITERR =    0
QU(1) =     1991.95     YU(1) =     1152.54  QU(N) =     4931.76  YU(N) =     863.68
FRDM=     1.14  IIFR=  166  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.317     1992.0   1152.54   1149.00   1101.62      1.00     95.0    1992.0    1992.0       0.0      0.0

TT =    4.3622          DTH =  0.0454          ITERR =    0
QU(1) =     1897.62     YU(1) =     1152.43  QU(N) =     5116.59  YU(N) =     863.70
FRDM=     1.15  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.362     1897.6   1152.43   1149.00   1101.58      1.00     95.0    1897.6    1897.6       0.0      0.0
```

```
TT =    4.4080          DTH =  0.0459          ITERR =    0
GU(1) =     1807.63     YU(1) =     1152.32  GU(N) =     5319.67  YU(N) =     863.72
FRDM=     1.16  IIFR=  166  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.408	1807.6	1152.32	1149.00	1101.55	1.00	95.0	1807.6	1807.6	0.0	0.0

```
TT =    4.4544          DTH =  0.0463          ITERR =    0
GU(1) =     1721.95     YU(1) =     1152.22  GU(N) =     5528.47  YU(N) =     863.73
FRDM=     1.16  IIFR=  166  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.454	1722.0	1152.22	1149.00	1101.51	1.00	95.0	1722.0	1722.0	0.0	0.0

```
TT =    4.5012          DTH =  0.0468          ITERR =    0
GU(1) =     1640.46     YU(1) =     1152.12  GU(N) =     5730.93  YU(N) =     863.75
FRDM=     1.17  IIFR=  166  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.501	1640.5	1152.12	1149.00	1101.47	1.00	95.0	1640.5	1640.5	0.0	0.0

```
TT =    4.5484          DTH =  0.0473          ITERR =    0
GU(1) =     1563.10     YU(1) =     1152.02  GU(N) =     5915.44  YU(N) =     863.77
FRDM=     1.18  IIFR=  166  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.548	1563.1	1152.02	1149.00	1101.43	1.00	95.0	1563.1	1563.1	0.0	0.0

```
TT =    4.5961          DTH =  0.0477          ITERR =    0
QU(1) =     1489.83     YU(1) =     1151.92  QU(N) =     6071.22  YU(N) =     863.78
FRDM=     1.18  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.596	1489.8	1151.92	1149.00	1101.40	1.00	95.0	1489.8	1489.8	0.0	0.0

```
TT =    4.6444          DTH =  0.0482          ITERR =    0
QU(1) =     1420.55     YU(1) =     1151.83  QU(N) =     6192.99  YU(N) =     863.79
FRDM=     1.19  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.644	1420.5	1151.83	1149.00	1101.36	1.00	95.0	1420.5	1420.5	0.0	0.0

```
TT =    4.6931          DTH =  0.0487          ITERR =    0
QU(1) =     1355.13     YU(1) =     1151.75  QU(N) =     6277.82  YU(N) =     863.80
FRDM=     1.20  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.693	1355.1	1151.75	1149.00	1101.33	1.00	95.0	1355.1	1355.1	0.0	0.0

```
TT =    4.7422          DTH =  0.0492          ITERR =    0
QU(1) =     1293.36     YU(1) =     1151.66  QU(N) =     6326.67  YU(N) =     863.80
FRDM=     1.21  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.742	1293.4	1151.66	1149.00	1101.30	1.00	95.0	1293.4	1293.4	0.0	0.0

```
TT =   4.7919          DTH =  0.0497          ITERR =   0
QU(1) =    1235.11     YU(1) =    1151.58  QU(N) =    6341.57  YU(N) =     863.80
FRDM=    1.22  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.792     1235.1   1151.58   1149.00   1101.27      1.00      95.0     1235.1    1235.1       0.0       0.0

TT =   4.8421          DTH =  0.0502          ITERR =   0
QU(1) =    1180.27     YU(1) =    1151.51  QU(N) =    6325.86  YU(N) =     863.80
FRDM=    1.22  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.842     1180.3   1151.51   1149.00   1101.23      1.00      95.0     1180.3    1180.3       0.0       0.0

TT =   4.8927          DTH =  0.0507          ITERR =   0
QU(1) =    1128.73     YU(1) =    1151.43  QU(N) =    6283.08  YU(N) =     863.80
FRDM=    1.23  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.893     1128.7   1151.43   1149.00   1101.20      1.00      95.0     1128.7    1128.7       0.0       0.0

TT =   4.9439          DTH =  0.0512          ITERR =   0
QU(1) =    1080.28     YU(1) =    1151.36  QU(N) =    6217.73  YU(N) =     863.79
FRDM=    1.23  IIFR=  166  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.944     1080.3   1151.36   1149.00   1101.18      1.00      95.0     1080.3    1080.3       0.0       0.0
```

```
TT =    4.9956          DTH =  0.0517          ITERR =    0
QU(1) =     1034.74     YU(1) =     1151.30  QU(N) =     6135.04  YU(N) =     863.79
FRDM=     1.23  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.996     1034.7   1151.30   1149.00   1101.15      1.00      95.0    1034.7    1034.7       0.0       0.0

TT =    5.0478          DTH =  0.0522          ITERR =    0
QU(1) =     992.01      YU(1) =     1151.23  QU(N) =     6037.21  YU(N) =     863.78
FRDM=     1.23  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.048      992.0   1151.23   1149.00   1101.12      1.00      95.0     992.0     992.0       0.0       0.0

TT =    5.1005          DTH =  0.0527          ITERR =    0
QU(1) =     951.93      YU(1) =     1151.17  QU(N) =     5927.94  YU(N) =     863.77
FRDM=     1.24  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.101      951.9   1151.17   1149.00   1101.09      1.00      95.0     951.9     951.9       0.0       0.0

TT =    5.1538          DTH =  0.0533          ITERR =    0
QU(1) =     914.24      YU(1) =     1151.12  QU(N) =     5806.94  YU(N) =     863.76
FRDM=     1.24  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.154      914.2   1151.12   1149.00   1101.07      1.00      95.0     914.2     914.2       0.0       0.0
```

```
TT =    5.2076          DTH =  0.0538          ITERR =    0
QU(1) =      878.87     YU(1) =     1151.06  QU(N) =     5677.54  YU(N) =      863.75
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.208      878.9   1151.06   1149.00   1101.05      1.00     95.0      878.9     878.9       0.0       0.0

TT =    5.2619          DTH =  0.0543          ITERR =    0
QU(1) =      845.67     YU(1) =     1151.01  QU(N) =     5540.00  YU(N) =      863.74
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.262      845.7   1151.01   1149.00   1101.02      1.00     95.0      845.7     845.7       0.0       0.0

TT =    5.3168          DTH =  0.0549          ITERR =    0
QU(1) =      814.42     YU(1) =     1150.96  QU(N) =     5396.68  YU(N) =      863.72
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.317      814.4   1150.96   1149.00   1101.00      1.00     95.0      814.4     814.4       0.0       0.0

TT =    5.3722          DTH =  0.0554          ITERR =    0
QU(1) =      785.07     YU(1) =     1150.91  QU(N) =     5250.44  YU(N) =      863.71
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.372      785.1   1150.91   1149.00   1100.98      1.00     95.0      785.1     785.1       0.0       0.0
```

```
TT =    5.4282          DTH =   0.0560          ITERR =    0
QU(1) =      757.40     YU(1) =     1150.87  QU(N) =     5101.18  YU(N) =      863.70
FRDM=     1.26  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.428	757.4	1150.87	1149.00	1100.96	1.00	95.0	757.4	757.4	0.0	0.0

```
TT =    5.4847          DTH =   0.0565          ITERR =    0
QU(1) =      731.23     YU(1) =     1150.82  QU(N) =     4949.09  YU(N) =      863.68
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.485	731.2	1150.82	1149.00	1100.94	1.00	95.0	731.2	731.2	0.0	0.0

```
TT =    5.5418          DTH =   0.0571          ITERR =    0
QU(1) =      706.79     YU(1) =     1150.78  QU(N) =     4794.36  YU(N) =      863.67
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.542	706.8	1150.78	1149.00	1100.92	1.00	95.0	706.8	706.8	0.0	0.0

```
TT =    5.5995          DTH =   0.0577          ITERR =    0
QU(1) =      684.22     YU(1) =     1150.75  QU(N) =     4641.12  YU(N) =      863.66
FRDM=     1.25  IIFR=  166  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.599	684.2	1150.75	1149.00	1100.90	1.00	95.0	684.2	684.2	0.0	0.0

```
TT =    5.6577          DTH =  0.0582          ITERR =    0
QU(1) =      663.53     YU(1) =     1150.71  QU(N) =     4489.95  YU(N) =      863.64
FRDM=     1.24  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.658      663.5   1150.71   1149.00   1100.88      1.00      95.0      663.5     663.5       0.0       0.0

TT =    5.7165          DTH =  0.0588          ITERR =    0
QU(1) =      644.55     YU(1) =     1150.68  QU(N) =     4340.06  YU(N) =      863.63
FRDM=     1.24  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.717      644.5   1150.68   1149.00   1100.87      1.00      95.0      644.5     644.5       0.0       0.0

TT =    5.7760          DTH =  0.0594          ITERR =    0
QU(1) =      627.03     YU(1) =     1150.65  QU(N) =     4191.23  YU(N) =      863.61
FRDM=     1.24  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.776      627.0   1150.65   1149.00   1100.85      1.00      95.0      627.0     627.0       0.0       0.0

TT =    5.8360          DTH =  0.0600          ITERR =    0
QU(1) =      610.88     YU(1) =     1150.62  QU(N) =     4042.88  YU(N) =      863.60
FRDM=     1.23  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.836      610.9   1150.62   1149.00   1100.84      1.00      95.0      610.9     610.9       0.0       0.0
```

```
TT =    5.8966          DTH =  0.0606          ITERR =    0
QU(1) =      595.99     YU(1) =     1150.59  QU(N) =     3895.36  YU(N) =      863.58
FRDM=     1.23  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.897      596.0   1150.59   1149.00   1100.82      1.00      95.0      596.0     596.0       0.0       0.0

TT =    5.9578          DTH =  0.0612          ITERR =    0
QU(1) =      582.13     YU(1) =     1150.57  QU(N) =     3749.13  YU(N) =      863.56
FRDM=     1.23  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.958      582.1   1150.57   1149.00   1100.81      1.00      95.0      582.1     582.1       0.0       0.0

TT =    6.0196          DTH =  0.0618          ITERR =    0
QU(1) =      569.23     YU(1) =     1150.54  QU(N) =     3604.86  YU(N) =      863.55
FRDM=     1.22  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.020      569.2   1150.54   1149.00   1100.80      1.00      95.0      569.2     569.2       0.0       0.0

TT =    6.0821          DTH =  0.0624          ITERR =    0
QU(1) =      557.14     YU(1) =     1150.52  QU(N) =     3462.80  YU(N) =      863.53
FRDM=     1.22  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.082      557.1   1150.52   1149.00   1100.79      1.00      95.0      557.1     557.1       0.0       0.0
```

```
TT =    6.1451          DTH =  0.0631          ITERR =    0
QU(1) =      545.78     YU(1) =     1150.50  QU(N) =     3323.86  YU(N) =      863.52
FRDM=     1.20  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.145      545.8   1150.50   1149.00   1100.78      1.00      95.0     545.8     545.8       0.0       0.0

TT =    6.2088          DTH =  0.0637          ITERR =    0
QU(1) =      535.08     YU(1) =     1150.48  QU(N) =     3189.06  YU(N) =      863.50
FRDM=     1.20  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.209      535.1   1150.48   1149.00   1100.77      1.00      95.0     535.1     535.1       0.0       0.0

TT =    6.2732          DTH =  0.0643          ITERR =    0
QU(1) =      524.90     YU(1) =     1150.46  QU(N) =     3058.54  YU(N) =      863.48
FRDM=     1.19  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.273      524.9   1150.46   1149.00   1100.76      1.00      95.0     524.9     524.9       0.0       0.0

TT =    6.3382          DTH =  0.0650          ITERR =    0
QU(1) =      515.18     YU(1) =     1150.45  QU(N) =     2932.94  YU(N) =      863.47
FRDM=     1.18  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.338      515.2   1150.45   1149.00   1100.75      1.00      95.0     515.2     515.2       0.0       0.0
```

```
TT =    6.4038          DTH =  0.0656          ITERR =    0
QU(1) =      505.85     YU(1) =     1150.43  QU(N) =     2812.31  YU(N) =      863.45
FRDM=     1.17  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     6.404      505.9   1150.43   1149.00   1100.74      1.00     95.0      505.9     505.9       0.0      0.0

TT =    6.4701          DTH =  0.0663          ITERR =    0
QU(1) =      505.85     YU(1) =     1150.41  QU(N) =     2696.92  YU(N) =      863.44
FRDM=     1.16  IIFR=  166  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB      QU(1)    QBRECH    QOVTOP    QOTHR
I    0     6.470      505.9   1150.41   1149.00   1100.74      1.00     95.0      505.9     505.9       0.0      0.0

ROUTING COMPLETED.

KTIME=  190     ALLOWABLE KTIME= 699          TT=    6.5
```

PROFILE OF CRESTS AND TIMES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.000	1163.20	14088	0.000	0.50	0.00	0.00
0.379	1103.97	14088	0.500	6.73	0.00	0.00
0.381	1103.74	14081	0.500	6.69	0.00	0.00
0.384	1103.51	14075	0.500	6.64	0.00	0.00
0.386	1103.29	14068	0.500	6.59	0.00	0.00
0.388	1103.07	14062	0.500	6.54	0.00	0.00
0.391	1102.86	14056	0.500	6.49	0.00	0.00
0.393	1102.65	14050	0.500	6.44	0.00	0.00
0.395	1102.44	14044	0.500	6.39	0.00	0.00
0.398	1102.24	14038	0.500	6.33	0.00	0.00
0.400	1102.03	14031	0.500	6.28	0.00	0.00
0.402	1101.84	14025	0.500	6.23	0.00	0.00
0.405	1101.64	14019	0.500	6.17	0.00	0.00
0.407	1101.45	14013	0.500	6.12	0.00	0.00
0.409	1101.26	14006	0.500	6.07	0.00	0.00
0.412	1101.07	14000	0.500	6.02	0.00	0.00
0.414	1100.88	13993	0.500	5.97	0.00	0.00
0.416	1100.70	13987	0.500	5.92	0.00	0.00
0.419	1100.51	13980	0.500	5.87	0.00	0.00
0.421	1100.34	13973	0.525	5.82	0.00	0.00
0.423	1100.16	13966	0.525	5.77	0.00	0.00
0.426	1099.98	13959	0.525	5.72	0.00	0.00
0.428	1099.81	13960	0.525	5.67	0.00	0.00
0.430	1099.64	13964	0.525	5.63	0.00	0.00
0.432	1099.47	13967	0.525	5.58	0.00	0.00
0.435	1099.30	13970	0.525	5.54	0.00	0.00
0.437	1099.13	13973	0.525	5.49	0.00	0.00
0.439	1098.96	13976	0.525	5.45	0.00	0.00
0.442	1098.80	13978	0.525	5.41	0.00	0.00
0.444	1098.63	13981	0.525	5.37	0.00	0.00
0.446	1098.47	13982	0.525	5.33	0.00	0.00
0.449	1098.31	13984	0.525	5.29	0.00	0.00
0.451	1098.15	13986	0.525	5.25	0.00	0.00
0.453	1097.99	13987	0.525	5.21	0.00	0.00
0.456	1097.83	13988	0.525	5.18	0.00	0.00
0.458	1097.67	13988	0.525	5.14	0.00	0.00
0.460	1097.51	13989	0.525	5.10	0.00	0.00
0.463	1097.36	13989	0.525	5.07	0.00	0.00
0.465	1097.20	13989	0.525	5.04	0.00	0.00
0.467	1097.04	13989	0.525	5.00	0.00	0.00
0.470	1096.89	13988	0.525	4.97	0.00	0.00
0.472	1096.74	13988	0.525	4.94	0.00	0.00
0.474	1096.58	13987	0.525	4.90	0.00	0.00
0.477	1096.43	13986	0.525	4.87	0.00	0.00
0.479	1096.28	13985	0.525	4.84	0.00	0.00
0.481	1096.13	13983	0.525	4.81	0.00	0.00
0.484	1095.98	13981	0.525	4.78	0.00	0.00

0.486	1095.83	13980	0.525	4.75	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.488	1095.68	13978	0.525	4.72	0.00	0.00
0.491	1095.53	13975	0.525	4.70	0.00	0.00
0.493	1095.38	13973	0.525	4.67	0.00	0.00
0.495	1095.23	13970	0.525	4.64	0.00	0.00
0.498	1095.08	13968	0.525	4.61	0.00	0.00
0.500	1094.94	13965	0.525	4.59	0.00	0.00
0.502	1094.79	13962	0.525	4.56	0.00	0.00
0.505	1094.64	13959	0.525	4.54	0.00	0.00
0.507	1094.50	13955	0.525	4.51	0.00	0.00
0.509	1094.35	13952	0.525	4.49	0.00	0.00
0.512	1094.20	13948	0.525	4.46	0.00	0.00
0.514	1094.06	13945	0.525	4.44	0.00	0.00
0.516	1093.91	13941	0.525	4.42	0.00	0.00
0.519	1093.77	13937	0.525	4.39	0.00	0.00
0.521	1093.63	13933	0.525	4.37	0.00	0.00
0.523	1093.48	13928	0.525	4.35	0.00	0.00
0.525	1093.34	13924	0.525	4.32	0.00	0.00
0.528	1093.20	13919	0.525	4.30	0.00	0.00
0.530	1093.05	13914	0.525	4.28	0.00	0.00
0.532	1092.91	13910	0.550	4.26	0.00	0.00
0.535	1092.77	13905	0.550	4.24	0.00	0.00
0.537	1092.63	13903	0.550	4.22	0.00	0.00
0.539	1092.49	13905	0.550	4.20	0.00	0.00
0.542	1092.34	13908	0.550	4.18	0.00	0.00
0.544	1092.20	13910	0.550	4.16	0.00	0.00
0.546	1092.06	13912	0.550	4.14	0.00	0.00
0.549	1091.92	13914	0.550	4.12	0.00	0.00
0.551	1091.78	13916	0.550	4.10	0.00	0.00
0.553	1091.64	13918	0.550	4.09	0.00	0.00
0.556	1091.50	13919	0.550	4.07	0.00	0.00
0.558	1091.36	13920	0.550	4.05	0.00	0.00
0.560	1091.22	13921	0.550	4.03	0.00	0.00
0.563	1091.08	13922	0.550	4.02	0.00	0.00
0.565	1090.94	13923	0.550	4.00	0.00	0.00
0.567	1090.80	13923	0.550	3.98	0.00	0.00
0.570	1090.66	13924	0.550	3.97	0.00	0.00
0.572	1090.53	13924	0.550	3.95	0.00	0.00
0.574	1090.39	13924	0.550	3.94	0.00	0.00
0.577	1090.25	13924	0.550	3.92	0.00	0.00
0.579	1090.11	13923	0.550	3.91	0.00	0.00
0.581	1089.97	13923	0.550	3.89	0.00	0.00
0.584	1089.83	13922	0.550	3.88	0.00	0.00
0.586	1089.70	13921	0.550	3.86	0.00	0.00
0.588	1089.56	13920	0.550	3.85	0.00	0.00
0.591	1089.42	13919	0.550	3.83	0.00	0.00
0.593	1089.28	13917	0.550	3.82	0.00	0.00
0.595	1089.15	13915	0.550	3.80	0.00	0.00

0.598	1089.01	13913	0.550	3.79	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.600	1088.87	13911	0.550	3.77	0.00	0.00
0.602	1088.73	13909	0.550	3.76	0.00	0.00
0.605	1088.60	13907	0.550	3.75	0.00	0.00
0.607	1088.46	13904	0.550	3.73	0.00	0.00
0.609	1088.32	13901	0.550	3.72	0.00	0.00
0.612	1088.19	13898	0.550	3.71	0.00	0.00
0.614	1088.05	13895	0.550	3.69	0.00	0.00
0.616	1087.91	13891	0.550	3.68	0.00	0.00
0.618	1087.78	13888	0.550	3.67	0.00	0.00
0.621	1087.64	13884	0.550	3.66	0.00	0.00
0.623	1087.50	13880	0.550	3.64	0.00	0.00
0.625	1087.37	13876	0.550	3.63	0.00	0.00
0.628	1087.23	13871	0.550	3.62	0.00	0.00
0.630	1087.10	13867	0.575	3.61	0.00	0.00
0.632	1086.96	13862	0.575	3.59	0.00	0.00
0.635	1086.82	13860	0.575	3.58	0.00	0.00
0.637	1086.69	13862	0.575	3.57	0.00	0.00
0.639	1086.55	13864	0.575	3.56	0.00	0.00
0.642	1086.42	13866	0.575	3.55	0.00	0.00
0.644	1086.28	13867	0.575	3.54	0.00	0.00
0.646	1086.15	13869	0.575	3.53	0.00	0.00
0.649	1086.01	13871	0.575	3.51	0.00	0.00
0.651	1085.88	13873	0.575	3.50	0.00	0.00
0.653	1085.74	13875	0.575	3.49	0.00	0.00
0.656	1085.61	13877	0.575	3.48	0.00	0.00
0.658	1085.47	13878	0.575	3.47	0.00	0.00
0.660	1085.34	13878	0.575	3.46	0.00	0.00
0.663	1085.20	13879	0.575	3.45	0.00	0.00
0.665	1085.07	13879	0.575	3.44	0.00	0.00
0.667	1084.94	13879	0.575	3.43	0.00	0.00
0.670	1084.80	13878	0.575	3.42	0.00	0.00
0.672	1084.67	13878	0.575	3.41	0.00	0.00
0.674	1084.53	13877	0.575	3.40	0.00	0.00
0.677	1084.40	13876	0.575	3.40	0.00	0.00
0.679	1084.26	13875	0.575	3.39	0.00	0.00
0.681	1084.13	13874	0.575	3.38	0.00	0.00
0.684	1083.99	13872	0.575	3.37	0.00	0.00
0.686	1083.86	13870	0.575	3.36	0.00	0.00
0.688	1083.72	13868	0.575	3.35	0.00	0.00
0.691	1083.59	13865	0.575	3.35	0.00	0.00
0.693	1083.45	13863	0.575	3.34	0.00	0.00
0.695	1083.32	13859	0.575	3.34	0.00	0.00
0.698	1083.18	13856	0.575	3.34	0.00	0.00
0.700	1083.04	13852	0.575	3.34	0.00	0.00
0.702	1082.91	13847	0.575	3.34	0.00	0.00
0.705	1082.77	13842	0.575	3.34	0.00	0.00
0.707	1082.63	13837	0.575	3.34	0.00	0.00

0.709	1082.50	13832	0.575	3.34	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.711	1082.36	13827	0.600	3.34	0.00	0.00
0.714	1082.22	13821	0.600	3.34	0.00	0.00
0.716	1082.09	13819	0.600	3.34	0.00	0.00
0.718	1081.95	13822	0.600	3.34	0.00	0.00
0.721	1081.81	13824	0.600	3.34	0.00	0.00
0.723	1081.68	13826	0.600	3.34	0.00	0.00
0.725	1081.54	13827	0.600	3.34	0.00	0.00
0.728	1081.41	13828	0.600	3.34	0.00	0.00
0.730	1081.27	13829	0.600	3.34	0.00	0.00
0.732	1081.13	13830	0.600	3.34	0.00	0.00
0.735	1081.00	13830	0.600	3.34	0.00	0.00
0.737	1080.86	13830	0.600	3.34	0.00	0.00
0.739	1080.72	13830	0.600	3.34	0.00	0.00
0.742	1080.59	13829	0.600	3.34	0.00	0.00
0.744	1080.45	13828	0.600	3.34	0.00	0.00
0.746	1080.31	13826	0.600	3.35	0.00	0.00
0.749	1080.18	13823	0.600	3.35	0.00	0.00
0.751	1080.04	13820	0.600	3.35	0.00	0.00
0.753	1079.90	13816	0.600	3.36	0.00	0.00
0.756	1079.77	13810	0.600	3.37	0.00	0.00
0.758	1079.63	13803	0.625	3.38	0.00	0.00
0.947	1064.51	13718	0.650	5.03	0.00	0.00
1.136	1050.14	13677	0.775	3.57	0.00	0.00
1.326	1039.71	13649	0.725	3.72	0.00	0.00
1.515	1029.70	13460	0.850	2.88	0.00	0.00
1.705	1019.28	13326	0.950	3.49	0.00	0.00
1.894	1008.72	13216	1.000	2.92	0.00	0.00
2.083	1000.06	13106	1.075	2.51	0.00	0.00
2.131	997.76	13086	1.100	2.53	0.00	0.00
2.178	995.42	13071	1.100	2.68	0.00	0.00
2.226	993.17	13058	1.125	2.59	0.00	0.00
2.273	990.78	13050	1.150	2.89	0.00	0.00
2.320	988.14	13043	1.150	2.81	0.00	0.00
2.368	985.44	13020	1.200	2.89	0.00	0.00
2.415	982.81	13042	1.175	2.76	0.00	0.00
2.462	980.09	13022	1.325	2.90	0.00	0.00
2.652	969.64	12967	1.275	3.16	0.00	0.00
2.841	960.10	12751	1.350	2.62	0.00	0.00
2.936	955.36	12653	1.425	2.51	0.00	0.00
3.030	950.56	12576	1.475	2.55	0.00	0.00
3.220	940.65	12400	1.550	2.54	0.00	0.00
3.409	930.73	12286	1.625	2.82	0.00	0.00
3.485	926.55	12244	1.700	2.78	0.00	0.00
3.561	922.27	12274	1.750	2.99	0.00	0.00
3.636	918.11	12261	1.700	3.12	0.00	0.00
3.712	913.81	12223	2.050	3.41	0.00	0.00
3.788	909.55	12258	1.725	4.15	0.00	0.00

3.978	902.54	11827	2.075	2.12	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 161+40 PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
4.167	894.72	11794	1.950	5.04	0.00	0.00
4.356	883.69	11738	2.150	2.72	0.00	0.00
4.545	876.54	11635	2.225	3.59	0.00	0.00
4.640	870.38	11622	2.250	3.37	0.00	0.00
4.735	864.14	11598	2.300	3.04	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#3 MCFCD

ON

STN. 88+00DVERTOP

ANALYSIS BY

DAMES&MOORE 15448-003-022
PHOENIX, AZ.

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***  SUMMARY OF INPUT DATA  ***
***                         ***
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INPUT CONTROL PARAMETERS FOR FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	18
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNK=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#3 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
410.0	1174.00
335.0	1170.00
298.0	1168.00
264.0	1166.00

210.0	1163.20
153.0	1160.00
78.0	1156.00
0.1	1149.00

DAM NUMBER 1

FRS#3 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1163.20
SIDE SLOPE OF BREACH		Z	1.00
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1149.00
WIDTH OF BASE OF BREACH	FEET	BB	250.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1169.00
ELEVATION OF TOP OF DAM	FEET	HD	1170.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1163.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	1080.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	45497.70
DISCHARGE THRU TURBINES	CFS	QT	1500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 6.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#3 MCFCD
****

85.00	1428.00	2871.00	5488.00	12341.00	26126.00	34422.00	47348.00
53328.00	37324.00	22784.00	14852.00	9747.00	6919.00	4384.00	2758.00
1398.00	253.00						

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	2.0000	2.2500	2.5000	2.7500	3.0000
3.2500	3.5000	3.7500	4.0000	4.2500	4.5000	5.0000	5.5000
6.0000	6.5000						

CROSS-SECTIONAL PARAMETERS FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	20
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LG	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1144.0	1144.2	1146.0	1147.0	1148.0	1171.0
BS ...	0.0	30.0	500.0	1000.0	2000.0	3000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTG(I) = 0.00

HS ...	1119.0	1119.5	1120.0	1130.0	1140.0	1150.0
BS ...	0.0	30.0	800.0	3700.0	6000.0	7300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTG(I) = 0.00

HS ...	1090.0	1090.5	1095.0	1100.0	1120.0	1130.0
BS ...	0.0	30.0	3000.0	6000.0	10800.0	12600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTG(I) = 0.00

HS ...	1063.0	1063.5	1065.0	1070.0	1080.0	1090.0
BS ...	0.0	30.0	2200.0	4200.0	9100.0	11200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.515 FSTG(I) = 0.00

HS ...	1040.0	1040.5	1045.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	4000.0	7000.0	12200.0	14400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.705 FSTG(I) = 0.00

HS ...	1034.0	1034.5	1040.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	7600.0	11600.0	15500.0	18200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 1.894 FSTG(I) = 0.00

HS ...	1022.0	1022.5	1025.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	3600.0	8200.0	12600.0	17800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.083 FSTG(I) = 0.00

HS ...	1010.0	1010.5	1015.0	1020.0	1030.0	1040.0
BS ...	0.0	30.0	3600.0	9400.0	13300.0	17600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.273 FSTQ(I) = 0.00

HS ...	998.0	998.5	1000.0	1005.0	1010.0	1020.0
BS ...	0.0	30.0	2000.0	4500.0	9000.0	13400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 2.462 FSTQ(I) = 0.00

HS ...	992.0	992.5	995.0	1000.0	1005.0	1010.0
BS ...	0.0	30.0	4200.0	9400.0	11400.0	14600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 2.652 FSTQ(I) = 0.00

HS ...	984.0	984.5	985.0	990.0	995.0	1000.0
BS ...	0.0	30.0	2200.0	8000.0	11600.0	13800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 2.841 FSTQ(I) = 0.00

HS ...	977.0	977.5	980.0	985.0	990.0	995.0
BS ...	0.0	30.0	7100.0	11100.0	14400.0	17000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.030 FSTQ(I) = 0.00

HS ...	969.0	969.5	970.0	975.0	980.0	985.0
BS ...	0.0	30.0	5700.0	10800.0	15000.0	17500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 3.220 FSTQ(I) = 0.00

HS ...	961.0	961.5	962.0	965.0	970.0	980.0
BS ...	0.0	30.0	7400.0	10200.0	15800.0	19800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 3.409 FSTQ(I) = 0.00

HS ...	952.0	952.5	955.0	960.0	965.0	970.0
BS ...	0.0	30.0	8400.0	14400.0	17600.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 3.788 FSTQ(I) = 0.00

HS ...	935.0	935.5	936.0	940.0	945.0	950.0
BS ...	0.0	30.0	8000.0	11600.0	16600.0	21000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.167 FSTG(I) = 0.00

HS ...	918.0	918.5	920.0	925.0	930.0	935.0
BS ...	0.0	30.0	12200.0	14300.0	18800.0	20900.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.356 FSTG(I) = 0.00

HS ...	908.0	908.5	910.0	915.0	920.0	925.0
BS ...	0.0	30.0	12000.0	15000.0	17800.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 19
****

XS(I) = 4.924 FSTG(I) = 0.00

HS ...	882.0	882.5	885.0	890.0	895.0	900.0
BS ...	0.0	30.0	11000.0	14900.0	17600.0	19700.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 20
****

XS(I) = 5.303 FSTG(I) = 0.00

HS ...	869.0	869.5	870.0	872.5	875.0	880.0
BS ...	0.0	30.0	8300.0	10900.0	13500.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 18 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 19 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000
18	0.000	-1.000
19	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.007 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.065 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.051 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.046 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.028 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.113 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.025 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.045 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 10 DXM WAS CHANGED TO 0.013 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.008 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 12 DXM WAS CHANGED TO 0.021 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.114 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 14 DXM WAS CHANGED TO 0.023 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 15 DXM WAS CHANGED TO 0.051 DUE TO EXP/CONTRACT CRITERIA

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AT REACH=   16  DXM WAS CHANGED TO 0.057  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.341  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   19  DXM WAS CHANGED TO 0.038  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.124  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.122  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES

101.000   0.007   0.065   0.051   0.046   0.028   0.113   0.025   0.045   0.013   0.008   0.021   0.114   0.023   0.051
  0.057   0.124   0.122   0.038

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =   172     (MAXIMUM ALLOWABLE =   200
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***                         ***
***  SUMMARY OF OUTPUT DATA  ***
***                         ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET
1	0.00	1144.00
2	0.38	1119.00
3	0.76	1090.00
4	1.14	1063.00
5	1.51	1040.00
6	1.71	1034.00
7	1.89	1022.00
8	2.08	1010.00
9	2.27	998.00
10	2.46	992.00
11	2.65	984.00
12	2.84	977.00
13	3.03	969.00
14	3.22	961.00
15	3.41	952.00
16	3.79	935.00
17	4.17	918.00
18	4.36	908.00
19	4.92	882.00
20	5.30	869.00

REACH NO.	REACH LENGTH MILE	SLOPE FPM
1	0.38	65.96
2	0.38	76.52
3	0.38	71.43
4	0.38	60.69
5	0.19	31.58
6	0.19	63.49
7	0.19	63.49
8	0.19	63.16
9	0.19	31.75
10	0.19	42.11
11	0.19	37.04
12	0.19	42.33
13	0.19	42.11
14	0.19	47.62
15	0.38	44.85
16	0.38	44.85
17	0.19	52.91
18	0.57	45.77
19	0.38	34.30

MESAGE

RE-NUMBERED VALUES FOR IDAM

IDAM(I) = I

SNC(K,I)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1146.58	DEPN=	2.58	YC=	1145.60	DEPC=	1.60	IFR=	0	ITN=	11	ITC= 11
I=	2	X=	0.379	YN=	1120.32	DEPN=	1.32	YC=	1120.22	DEPC=	1.22	IFR=	0	ITN=	11	ITC= 11
I=	3	X=	0.386	YN=	1119.87	DEPN=	1.44	YC=	1119.67	DEPC=	1.24	IFR=	0	ITN=	11	ITC= 11
I=	4	X=	0.394	YN=	1119.32	DEPN=	1.46	YC=	1119.13	DEPC=	1.26	IFR=	0	ITN=	11	ITC= 11
I=	5	X=	0.401	YN=	1118.76	DEPN=	1.47	YC=	1118.58	DEPC=	1.29	IFR=	0	ITN=	11	ITC= 11
I=	6	X=	0.409	YN=	1118.22	DEPN=	1.49	YC=	1118.03	DEPC=	1.31	IFR=	0	ITN=	11	ITC= 11
I=	7	X=	0.416	YN=	1117.67	DEPN=	1.52	YC=	1117.47	DEPC=	1.32	IFR=	0	ITN=	11	ITC= 11
I=	8	X=	0.424	YN=	1117.13	DEPN=	1.54	YC=	1116.93	DEPC=	1.34	IFR=	0	ITN=	11	ITC= 11
I=	9	X=	0.431	YN=	1116.59	DEPN=	1.57	YC=	1116.37	DEPC=	1.35	IFR=	0	ITN=	11	ITC= 11
I=	10	X=	0.438	YN=	1116.03	DEPN=	1.57	YC=	1115.80	DEPC=	1.35	IFR=	0	ITN=	11	ITC= 11
I=	11	X=	0.446	YN=	1115.47	DEPN=	1.58	YC=	1115.24	DEPC=	1.36	IFR=	0	ITN=	11	ITC= 11
I=	12	X=	0.453	YN=	1114.91	DEPN=	1.59	YC=	1114.68	DEPC=	1.37	IFR=	0	ITN=	11	ITC= 11
I=	13	X=	0.461	YN=	1114.35	DEPN=	1.60	YC=	1114.12	DEPC=	1.38	IFR=	0	ITN=	11	ITC= 11
I=	14	X=	0.468	YN=	1113.79	DEPN=	1.61	YC=	1113.56	DEPC=	1.38	IFR=	0	ITN=	11	ITC= 11
I=	15	X=	0.476	YN=	1113.23	DEPN=	1.62	YC=	1113.00	DEPC=	1.39	IFR=	0	ITN=	11	ITC= 11
I=	16	X=	0.483	YN=	1112.67	DEPN=	1.63	YC=	1112.44	DEPC=	1.40	IFR=	0	ITN=	11	ITC= 11

I=	17	X=	0.490	YN=	1112.09	DEPN=	1.62	YC=	1111.88	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.498	YN=	1111.53	DEPN=	1.63	YC=	1111.31	DEPC=	1.41	IFR=	0	ITN=	11	ITC=	11
I=	19	X=	0.505	YN=	1110.97	DEPN=	1.64	YC=	1110.75	DEPC=	1.42	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.513	YN=	1110.41	DEPN=	1.64	YC=	1110.19	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.520	YN=	1109.85	DEPN=	1.65	YC=	1109.61	DEPC=	1.42	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.528	YN=	1109.27	DEPN=	1.64	YC=	1109.05	DEPC=	1.42	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.535	YN=	1108.71	DEPN=	1.65	YC=	1108.49	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.542	YN=	1108.15	DEPN=	1.66	YC=	1107.93	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	0.550	YN=	1107.57	DEPN=	1.65	YC=	1107.37	DEPC=	1.45	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	0.557	YN=	1107.01	DEPN=	1.66	YC=	1106.79	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	0.565	YN=	1106.45	DEPN=	1.67	YC=	1106.23	DEPC=	1.44	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	0.572	YN=	1105.88	DEPN=	1.66	YC=	1105.67	DEPC=	1.45	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	0.580	YN=	1105.31	DEPN=	1.67	YC=	1105.11	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	0.587	YN=	1104.75	DEPN=	1.68	YC=	1104.53	DEPC=	1.45	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	0.595	YN=	1104.18	DEPN=	1.67	YC=	1103.96	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	0.602	YN=	1103.62	DEPN=	1.67	YC=	1103.40	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	0.609	YN=	1103.06	DEPN=	1.68	YC=	1102.84	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	0.617	YN=	1102.48	DEPN=	1.67	YC=	1102.26	DEPC=	1.46	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	0.624	YN=	1101.92	DEPN=	1.68	YC=	1101.70	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	0.632	YN=	1101.36	DEPN=	1.69	YC=	1101.14	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	0.639	YN=	1100.78	DEPN=	1.68	YC=	1100.58	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	0.647	YN=	1100.22	DEPN=	1.69	YC=	1100.00	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	0.654	YN=	1099.66	DEPN=	1.70	YC=	1099.44	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	0.661	YN=	1099.08	DEPN=	1.68	YC=	1098.87	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	0.669	YN=	1098.52	DEPN=	1.69	YC=	1098.29	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	42	X=	0.676	YN=	1097.96	DEPN=	1.70	YC=	1097.73	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	43	X=	0.684	YN=	1097.38	DEPN=	1.69	YC=	1097.17	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	44	X=	0.691	YN=	1096.82	DEPN=	1.70	YC=	1096.61	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	45	X=	0.699	YN=	1096.25	DEPN=	1.71	YC=	1096.03	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	46	X=	0.706	YN=	1095.67	DEPN=	1.69	YC=	1095.47	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	47	X=	0.713	YN=	1095.11	DEPN=	1.70	YC=	1094.90	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	48	X=	0.721	YN=	1094.55	DEPN=	1.71	YC=	1094.32	DEPC=	1.48	IFR=	0	ITN=	11	ITC=	11
I=	49	X=	0.728	YN=	1093.97	DEPN=	1.70	YC=	1093.76	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	50	X=	0.736	YN=	1093.41	DEPN=	1.71	YC=	1093.20	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	51	X=	0.743	YN=	1092.85	DEPN=	1.71	YC=	1092.64	DEPC=	1.50	IFR=	0	ITN=	11	ITC=	11
I=	52	X=	0.751	YN=	1092.27	DEPN=	1.70	YC=	1092.06	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	0.758	YN=	1091.75	DEPN=	1.75	YC=	1091.49	DEPC=	1.49	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	0.834	YN=	1086.29	DEPN=	1.69	YC=	1086.07	DEPC=	1.47	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	0.909	YN=	1080.84	DEPN=	1.64	YC=	1080.62	DEPC=	1.42	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	0.985	YN=	1075.40	DEPN=	1.60	YC=	1075.18	DEPC=	1.38	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	1.060	YN=	1069.93	DEPN=	1.53	YC=	1069.72	DEPC=	1.32	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	1.136	YN=	1064.43	DEPN=	1.43	YC=	1064.25	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	1.190	YN=	1061.23	DEPN=	1.52	YC=	1060.99	DEPC=	1.28	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	1.244	YN=	1057.99	DEPN=	1.56	YC=	1057.74	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	1.298	YN=	1054.72	DEPN=	1.58	YC=	1054.48	DEPC=	1.33	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	1.353	YN=	1051.45	DEPN=	1.59	YC=	1051.21	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	1.407	YN=	1048.19	DEPN=	1.62	YC=	1047.94	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	1.461	YN=	1044.91	DEPN=	1.62	YC=	1044.66	DEPC=	1.38	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	1.515	YN=	1041.78	DEPN=	1.78	YC=	1041.40	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	1.563	YN=	1040.23	DEPN=	1.73	YC=	1039.85	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	1.610	YN=	1038.67	DEPN=	1.67	YC=	1038.31	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	1.658	YN=	1037.14	DEPN=	1.64	YC=	1036.77	DEPC=	1.27	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	1.705	YN=	1035.47	DEPN=	1.47	YC=	1035.26	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	1.737	YN=	1033.46	DEPN=	1.46	YC=	1033.24	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	1.768	YN=	1031.46	DEPN=	1.46	YC=	1031.25	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	1.800	YN=	1029.46	DEPN=	1.46	YC=	1029.26	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	1.831	YN=	1027.46	DEPN=	1.46	YC=	1027.25	DEPC=	1.25	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	1.863	YN=	1025.45	DEPN=	1.45	YC=	1025.24	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	1.894	YN=	1023.50	DEPN=	1.50	YC=	1023.24	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	76	X=	2.083	YN=	1011.60	DEPN=	1.60	YC=	1011.43	DEPC=	1.43	IFR=	0	ITN=	11	ITC=	11

I=	77	X=	2.110	YN=	1009.94	DEPN=	1.66	YC=	1009.70	DEPC=	1.42	IFR=	0	ITN=	11	ITC=	11
I=	78	X=	2.137	YN=	1008.22	DEPN=	1.64	YC=	1007.97	DEPC=	1.40	IFR=	0	ITN=	11	ITC=	11
I=	79	X=	2.164	YN=	1006.49	DEPN=	1.63	YC=	1006.24	DEPC=	1.38	IFR=	0	ITN=	11	ITC=	11
I=	80	X=	2.192	YN=	1004.75	DEPN=	1.61	YC=	1004.52	DEPC=	1.37	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	2.219	YN=	1003.01	DEPN=	1.58	YC=	1002.77	DEPC=	1.35	IFR=	0	ITN=	11	ITC=	11
I=	82	X=	2.246	YN=	1001.26	DEPN=	1.54	YC=	1001.02	DEPC=	1.31	IFR=	0	ITN=	11	ITC=	11
I=	83	X=	2.273	YN=	999.64	DEPN=	1.64	YC=	999.26	DEPC=	1.26	IFR=	0	ITN=	11	ITC=	11
I=	84	X=	2.320	YN=	998.10	DEPN=	1.60	YC=	997.74	DEPC=	1.24	IFR=	0	ITN=	11	ITC=	11
I=	85	X=	2.367	YN=	996.57	DEPN=	1.57	YC=	996.22	DEPC=	1.22	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	2.415	YN=	995.05	DEPN=	1.55	YC=	994.72	DEPC=	1.22	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	2.462	YN=	993.47	DEPN=	1.47	YC=	993.20	DEPC=	1.20	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	2.476	YN=	992.90	DEPN=	1.47	YC=	992.62	DEPC=	1.19	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	2.489	YN=	992.32	DEPN=	1.46	YC=	992.04	DEPC=	1.19	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	2.503	YN=	991.74	DEPN=	1.45	YC=	991.46	DEPC=	1.18	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	2.516	YN=	991.15	DEPN=	1.44	YC=	990.88	DEPC=	1.17	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	2.530	YN=	990.57	DEPN=	1.43	YC=	990.30	DEPC=	1.16	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	2.543	YN=	989.99	DEPN=	1.41	YC=	989.72	DEPC=	1.15	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	2.557	YN=	989.40	DEPN=	1.40	YC=	989.14	DEPC=	1.14	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	2.571	YN=	988.82	DEPN=	1.39	YC=	988.56	DEPC=	1.13	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	2.584	YN=	988.24	DEPN=	1.38	YC=	987.98	DEPC=	1.12	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	2.598	YN=	987.64	DEPN=	1.35	YC=	987.38	DEPC=	1.09	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	2.611	YN=	987.04	DEPN=	1.32	YC=	986.78	DEPC=	1.07	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	2.625	YN=	986.44	DEPN=	1.30	YC=	986.18	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	2.638	YN=	985.82	DEPN=	1.25	YC=	985.59	DEPC=	1.02	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	2.652	YN=	985.21	DEPN=	1.21	YC=	984.98	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	2.660	YN=	984.95	DEPN=	1.23	YC=	984.72	DEPC=	1.00	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	2.667	YN=	984.68	DEPN=	1.24	YC=	984.44	DEPC=	1.00	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	2.675	YN=	984.42	DEPN=	1.26	YC=	984.17	DEPC=	1.01	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	2.682	YN=	984.16	DEPN=	1.28	YC=	983.91	DEPC=	1.03	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	2.690	YN=	983.89	DEPN=	1.29	YC=	983.63	DEPC=	1.03	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	2.697	YN=	983.60	DEPN=	1.28	YC=	983.36	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	2.705	YN=	983.33	DEPN=	1.29	YC=	983.08	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	2.712	YN=	983.05	DEPN=	1.29	YC=	982.79	DEPC=	1.03	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	2.720	YN=	982.78	DEPN=	1.30	YC=	982.52	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	2.728	YN=	982.50	DEPN=	1.30	YC=	982.24	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	2.735	YN=	982.23	DEPN=	1.31	YC=	981.97	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	2.743	YN=	981.94	DEPN=	1.30	YC=	981.69	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	2.750	YN=	981.67	DEPN=	1.31	YC=	981.42	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	2.758	YN=	981.39	DEPN=	1.31	YC=	981.14	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	2.765	YN=	981.12	DEPN=	1.32	YC=	980.85	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	2.773	YN=	980.83	DEPN=	1.31	YC=	980.57	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	2.781	YN=	980.55	DEPN=	1.31	YC=	980.30	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	2.788	YN=	980.28	DEPN=	1.32	YC=	980.02	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	2.796	YN=	980.01	DEPN=	1.33	YC=	979.75	DEPC=	1.07	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	2.803	YN=	979.71	DEPN=	1.31	YC=	979.47	DEPC=	1.07	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	2.811	YN=	979.44	DEPN=	1.32	YC=	979.18	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	2.818	YN=	979.17	DEPN=	1.33	YC=	978.91	DEPC=	1.07	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	2.826	YN=	978.89	DEPN=	1.33	YC=	978.63	DEPC=	1.07	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	2.833	YN=	978.60	DEPN=	1.32	YC=	978.36	DEPC=	1.08	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	2.841	YN=	978.31	DEPN=	1.31	YC=	978.06	DEPC=	1.06	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	2.862	YN=	977.39	DEPN=	1.28	YC=	977.16	DEPC=	1.05	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	2.883	YN=	976.48	DEPN=	1.26	YC=	976.26	DEPC=	1.04	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	2.904	YN=	975.58	DEPN=	1.24	YC=	975.36	DEPC=	1.02	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	2.925	YN=	974.66	DEPN=	1.21	YC=	974.44	DEPC=	0.99	IFR=	0	ITN=	10	ITC=	10
I=	131	X=	2.946	YN=	973.73	DEPN=	1.18	YC=	973.54	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	2.967	YN=	972.81	DEPN=	1.15	YC=	972.62	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	2.988	YN=	971.88	DEPN=	1.10	YC=	971.70	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	3.009	YN=	970.94	DEPN=	1.05	YC=	970.77	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	3.030	YN=	970.01	DEPN=	1.01	YC=	969.84	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	136	X=	3.220	YN=	961.90	DEPN=	0.90	YC=	961.81	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10

I=	137	X=	3.244	YN=	960.88	DEPN=	1.00	YC=	960.73	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	3.267	YN=	959.80	DEPN=	1.05	YC=	959.64	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	139	X=	3.291	YN=	958.73	DEPN=	1.10	YC=	958.54	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	3.314	YN=	957.63	DEPN=	1.13	YC=	957.45	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	3.338	YN=	956.53	DEPN=	1.16	YC=	956.35	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	3.362	YN=	955.44	DEPN=	1.19	YC=	955.24	DEPC=	0.99	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	3.385	YN=	954.34	DEPN=	1.21	YC=	954.14	DEPC=	1.02	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	3.409	YN=	953.26	DEPN=	1.26	YC=	953.03	DEPC=	1.03	IFR=	0	ITN=	10	ITC=	10
I=	145	X=	3.463	YN=	950.78	DEPN=	1.21	YC=	950.58	DEPC=	1.00	IFR=	0	ITN=	10	ITC=	10
I=	146	X=	3.517	YN=	948.32	DEPN=	1.18	YC=	948.12	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	147	X=	3.571	YN=	945.87	DEPN=	1.15	YC=	945.67	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	148	X=	3.626	YN=	943.39	DEPN=	1.11	YC=	943.22	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	149	X=	3.680	YN=	940.92	DEPN=	1.06	YC=	940.75	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	150	X=	3.734	YN=	938.43	DEPN=	1.00	YC=	938.28	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	151	X=	3.788	YN=	935.93	DEPN=	0.93	YC=	935.78	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	152	X=	3.851	YN=	933.13	DEPN=	0.97	YC=	932.98	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	153	X=	3.914	YN=	930.32	DEPN=	0.99	YC=	930.17	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	154	X=	3.977	YN=	927.51	DEPN=	1.01	YC=	927.35	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	155	X=	4.041	YN=	924.68	DEPN=	1.01	YC=	924.52	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	156	X=	4.104	YN=	921.87	DEPN=	1.03	YC=	921.70	DEPC=	0.87	IFR=	0	ITN=	10	ITC=	10
I=	157	X=	4.167	YN=	919.05	DEPN=	1.05	YC=	918.87	DEPC=	0.87	IFR=	0	ITN=	10	ITC=	10
I=	158	X=	4.356	YN=	909.00	DEPN=	1.00	YC=	908.89	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	159	X=	4.498	YN=	902.59	DEPN=	1.09	YC=	902.40	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	160	X=	4.640	YN=	896.12	DEPN=	1.12	YC=	895.93	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	161	X=	4.782	YN=	889.64	DEPN=	1.14	YC=	889.46	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	162	X=	4.924	YN=	883.17	DEPN=	1.17	YC=	882.98	DEPC=	0.98	IFR=	0	ITN=	10	ITC=	10
I=	163	X=	4.962	YN=	881.89	DEPN=	1.19	YC=	881.67	DEPC=	0.97	IFR=	0	ITN=	10	ITC=	10
I=	164	X=	5.000	YN=	880.58	DEPN=	1.18	YC=	880.36	DEPC=	0.96	IFR=	0	ITN=	10	ITC=	10
I=	165	X=	5.038	YN=	879.26	DEPN=	1.16	YC=	879.04	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	166	X=	5.076	YN=	877.95	DEPN=	1.15	YC=	877.73	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	167	X=	5.114	YN=	876.63	DEPN=	1.13	YC=	876.41	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	168	X=	5.151	YN=	875.30	DEPN=	1.10	YC=	875.10	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	169	X=	5.189	YN=	873.97	DEPN=	1.07	YC=	873.78	DEPC=	0.88	IFR=	0	ITN=	10	ITC=	10
I=	170	X=	5.227	YN=	872.64	DEPN=	1.04	YC=	872.45	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	171	X=	5.265	YN=	871.30	DEPN=	1.00	YC=	871.12	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	172	X=	5.303	YN=	869.92	DEPN=	0.92	YC=	869.79	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1, N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0								

IN= 172 YNN= 869.92 DEP= 0.92

I=	171	X=	5.265	QIL=	1500.	YIL=	871.31	DEP=	1.01	ITB=	4
I=	170	X=	5.227	QIL=	1500.	YIL=	872.61	DEP=	1.01	ITB=	5
I=	169	X=	5.189	QIL=	1500.	YIL=	873.98	DEP=	1.08	ITB=	4
I=	168	X=	5.151	QIL=	1500.	YIL=	875.28	DEP=	1.08	ITB=	5
I=	167	X=	5.114	QIL=	1500.	YIL=	876.63	DEP=	1.13	ITB=	5
I=	166	X=	5.076	QIL=	1500.	YIL=	877.94	DEP=	1.14	ITB=	5
I=	165	X=	5.038	QIL=	1500.	YIL=	879.27	DEP=	1.17	ITB=	5
I=	164	X=	5.000	QIL=	1500.	YIL=	880.58	DEP=	1.18	ITB=	5
I=	163	X=	4.962	QIL=	1500.	YIL=	881.90	DEP=	1.20	ITB=	5
I=	162	X=	4.924	QIL=	1500.	YIL=	883.21	DEP=	1.21	ITB=	5
I=	161	X=	4.782	QIL=	1500.	YIL=	889.61	DEP=	1.11	ITB=	3
I=	160	X=	4.640	QIL=	1500.	YIL=	896.14	DEP=	1.14	ITB=	4
I=	159	X=	4.498	QIL=	1500.	YIL=	902.55	DEP=	1.05	ITB=	4
I=	158	X=	4.356	QIL=	1500.	YIL=	909.06	DEP=	1.06	ITB=	4
I=	157	X=	4.167	QIL=	1500.	YIL=	918.99	DEP=	0.99	ITB=	4
I=	156	X=	4.104	QIL=	1500.	YIL=	921.91	DEP=	1.07	ITB=	5
I=	155	X=	4.041	QIL=	1500.	YIL=	924.65	DEP=	0.98	ITB=	4
I=	154	X=	3.977	QIL=	1500.	YIL=	927.53	DEP=	1.03	ITB=	4
I=	153	X=	3.914	QIL=	1500.	YIL=	930.29	DEP=	0.96	ITB=	4
I=	152	X=	3.851	QIL=	1500.	YIL=	933.15	DEP=	0.98	ITB=	4
I=	151	X=	3.788	QIL=	1500.	YIL=	935.91	DEP=	0.91	ITB=	4
I=	150	X=	3.734	QIL=	1500.	YIL=	938.44	DEP=	1.01	ITB=	4
I=	149	X=	3.680	QIL=	1500.	YIL=	940.90	DEP=	1.04	ITB=	4
I=	148	X=	3.626	QIL=	1500.	YIL=	943.41	DEP=	1.12	ITB=	5
I=	147	X=	3.571	QIL=	1500.	YIL=	945.85	DEP=	1.13	ITB=	4
I=	146	X=	3.517	QIL=	1500.	YIL=	948.34	DEP=	1.20	ITB=	5
I=	145	X=	3.463	QIL=	1500.	YIL=	950.77	DEP=	1.20	ITB=	4
I=	144	X=	3.409	QIL=	1500.	YIL=	953.26	DEP=	1.26	ITB=	5
I=	143	X=	3.385	QIL=	1500.	YIL=	954.34	DEP=	1.21	ITB=	5
I=	142	X=	3.362	QIL=	1500.	YIL=	955.45	DEP=	1.20	ITB=	5
I=	141	X=	3.338	QIL=	1500.	YIL=	956.54	DEP=	1.16	ITB=	5
I=	140	X=	3.314	QIL=	1500.	YIL=	957.64	DEP=	1.14	ITB=	5
I=	139	X=	3.291	QIL=	1500.	YIL=	958.72	DEP=	1.10	ITB=	5
I=	138	X=	3.267	QIL=	1500.	YIL=	959.81	DEP=	1.06	ITB=	5
I=	137	X=	3.244	QIL=	1500.	YIL=	960.88	DEP=	1.01	ITB=	5
I=	136	X=	3.220	QIL=	1500.	YIL=	961.94	DEP=	0.94	ITB=	5
I=	135	X=	3.030	QIL=	1500.	YIL=	970.00	DEP=	1.00	ITB=	4
I=	134	X=	3.009	QIL=	1500.	YIL=	970.93	DEP=	1.04	ITB=	5
I=	133	X=	2.988	QIL=	1500.	YIL=	971.89	DEP=	1.11	ITB=	5
I=	132	X=	2.967	QIL=	1500.	YIL=	972.80	DEP=	1.14	ITB=	5
I=	131	X=	2.946	QIL=	1500.	YIL=	973.74	DEP=	1.18	ITB=	5
I=	130	X=	2.925	QIL=	1500.	YIL=	974.65	DEP=	1.21	ITB=	5
I=	129	X=	2.904	QIL=	1500.	YIL=	975.57	DEP=	1.24	ITB=	5
I=	128	X=	2.883	QIL=	1500.	YIL=	976.48	DEP=	1.26	ITB=	5
I=	127	X=	2.862	QIL=	1500.	YIL=	977.39	DEP=	1.28	ITB=	5
I=	126	X=	2.841	QIL=	1500.	YIL=	978.30	DEP=	1.30	ITB=	5
I=	125	X=	2.833	QIL=	1500.	YIL=	978.61	DEP=	1.33	ITB=	6
I=	124	X=	2.826	QIL=	1500.	YIL=	978.89	DEP=	1.33	ITB=	6
I=	123	X=	2.818	QIL=	1500.	YIL=	979.16	DEP=	1.32	ITB=	6
I=	122	X=	2.811	QIL=	1500.	YIL=	979.44	DEP=	1.32	ITB=	6
I=	121	X=	2.803	QIL=	1500.	YIL=	979.72	DEP=	1.32	ITB=	6
I=	120	X=	2.796	QIL=	1500.	YIL=	980.00	DEP=	1.32	ITB=	6
I=	119	X=	2.788	QIL=	1500	YIL=	980.28	DEP=	1.32	ITB=	6
I=	118	X=	2.781	QIL=	1500.	YIL=	980.56	DEP=	1.32	ITB=	6
I=	117	X=	2.773	QIL=	1500.	YIL=	980.84	DEP=	1.32	ITB=	6
I=	116	X=	2.765	QIL=	1500.	YIL=	981.11	DEP=	1.31	ITB=	6
I=	115	X=	2.758	QIL=	1500.	YIL=	981.39	DEP=	1.31	ITB=	6
I=	114	X=	2.750	QIL=	1500.	YIL=	981.67	DEP=	1.31	ITB=	6
I=	113	X=	2.743	QIL=	1500.	YIL=	981.95	DEP=	1.31	ITB=	6
I=	112	X=	2.735	QIL=	1500.	YIL=	982.23	DEP=	1.31	ITB=	6

I=	111	X=	2.728	QIL=	1500.	YIL=	982.50	DEP=	1.30	ITB=	6
I=	110	X=	2.720	QIL=	1500.	YIL=	982.78	DEP=	1.30	ITB=	6
I=	109	X=	2.712	QIL=	1500.	YIL=	983.06	DEP=	1.30	ITB=	6
I=	108	X=	2.705	QIL=	1500.	YIL=	983.33	DEP=	1.29	ITB=	6
I=	107	X=	2.697	QIL=	1500.	YIL=	983.61	DEP=	1.29	ITB=	6
I=	106	X=	2.690	QIL=	1500.	YIL=	983.89	DEP=	1.29	ITB=	5
I=	105	X=	2.682	QIL=	1500.	YIL=	984.16	DEP=	1.28	ITB=	6
I=	104	X=	2.675	QIL=	1500.	YIL=	984.43	DEP=	1.27	ITB=	5
I=	103	X=	2.667	QIL=	1500.	YIL=	984.69	DEP=	1.25	ITB=	5
I=	102	X=	2.660	QIL=	1500.	YIL=	984.96	DEP=	1.24	ITB=	5
I=	101	X=	2.652	QIL=	1500.	YIL=	985.22	DEP=	1.22	ITB=	5
I=	100	X=	2.638	QIL=	1500.	YIL=	985.79	DEP=	1.22	ITB=	5
I=	99	X=	2.625	QIL=	1500.	YIL=	986.44	DEP=	1.30	ITB=	4
I=	98	X=	2.611	QIL=	1500.	YIL=	987.03	DEP=	1.32	ITB=	5
I=	97	X=	2.598	QIL=	1500.	YIL=	987.63	DEP=	1.35	ITB=	5
I=	96	X=	2.584	QIL=	1500.	YIL=	988.22	DEP=	1.37	ITB=	5
I=	95	X=	2.571	QIL=	1500.	YIL=	988.82	DEP=	1.39	ITB=	5
I=	94	X=	2.557	QIL=	1500.	YIL=	989.40	DEP=	1.40	ITB=	5
I=	93	X=	2.543	QIL=	1500.	YIL=	989.99	DEP=	1.42	ITB=	5
I=	92	X=	2.530	QIL=	1500.	YIL=	990.57	DEP=	1.43	ITB=	5
I=	91	X=	2.516	QIL=	1500.	YIL=	991.16	DEP=	1.44	ITB=	5
I=	90	X=	2.503	QIL=	1500.	YIL=	991.74	DEP=	1.45	ITB=	5
I=	89	X=	2.489	QIL=	1500.	YIL=	992.32	DEP=	1.46	ITB=	5
I=	88	X=	2.476	QIL=	1500.	YIL=	992.90	DEP=	1.47	ITB=	5
I=	87	X=	2.462	QIL=	1500.	YIL=	993.48	DEP=	1.48	ITB=	5
I=	86	X=	2.415	QIL=	1500.	YIL=	995.08	DEP=	1.58	ITB=	5
I=	85	X=	2.367	QIL=	1500.	YIL=	996.55	DEP=	1.55	ITB=	5
I=	84	X=	2.320	QIL=	1500.	YIL=	998.11	DEP=	1.61	ITB=	4
I=	83	X=	2.273	QIL=	1500.	YIL=	999.63	DEP=	1.63	ITB=	4
I=	82	X=	2.246	QIL=	1500.	YIL=	1001.13	DEP=	1.42	ITB=	4
I=	81	X=	2.219	QIL=	1500.	YIL=	1003.09	DEP=	1.66	ITB=	4
I=	80	X=	2.192	QIL=	1500.	YIL=	1004.68	DEP=	1.54	ITB=	5
I=	79	X=	2.164	QIL=	1500.	YIL=	1006.53	DEP=	1.67	ITB=	4
I=	78	X=	2.137	QIL=	1500.	YIL=	1008.18	DEP=	1.61	ITB=	5
I=	77	X=	2.110	QIL=	1500.	YIL=	1009.97	DEP=	1.69	ITB=	4
I=	76	X=	2.083	QIL=	1500.	YIL=	1011.66	DEP=	1.66	ITB=	5
I=	75	X=	1.894	QIL=	1500.	YIL=	1023.48	DEP=	1.48	ITB=	4
I=	74	X=	1.863	QIL=	1500.	YIL=	1025.44	DEP=	1.44	ITB=	5
I=	73	X=	1.831	QIL=	1500.	YIL=	1027.47	DEP=	1.47	ITB=	4
I=	72	X=	1.800	QIL=	1500.	YIL=	1029.45	DEP=	1.45	ITB=	5
I=	71	X=	1.768	QIL=	1500.	YIL=	1031.47	DEP=	1.47	ITB=	4
I=	70	X=	1.737	QIL=	1500.	YIL=	1033.46	DEP=	1.46	ITB=	4
I=	69	X=	1.705	QIL=	1500.	YIL=	1035.47	DEP=	1.47	ITB=	4
I=	68	X=	1.658	QIL=	1500.	YIL=	1037.21	DEP=	1.71	ITB=	5
I=	67	X=	1.610	QIL=	1500.	YIL=	1038.62	DEP=	1.62	ITB=	5
I=	66	X=	1.563	QIL=	1500.	YIL=	1040.25	DEP=	1.75	ITB=	4
I=	65	X=	1.515	QIL=	1500.	YIL=	1041.76	DEP=	1.76	ITB=	5
I=	64	X=	1.461	QIL=	1500.	YIL=	1044.81	DEP=	1.52	ITB=	3
I=	63	X=	1.407	QIL=	1500.	YIL=	1048.27	DEP=	1.69	ITB=	3
I=	62	X=	1.353	QIL=	1500.	YIL=	1051.39	DEP=	1.53	ITB=	4
I=	61	X=	1.298	QIL=	1500.	YIL=	1054.77	DEP=	1.63	ITB=	4
I=	60	X=	1.244	QIL=	1500.	YIL=	1057.94	DEP=	1.51	ITB=	4
I=	59	X=	1.190	QIL=	1500.	YIL=	1061.27	DEP=	1.55	ITB=	4
I=	58	X=	1.136	QIL=	1500.	YIL=	1064.45	DEP=	1.45	ITB=	4
I=	57	X=	1.060	QIL=	1500.	YIL=	1069.91	DEP=	1.51	ITB=	3
I=	56	X=	0.985	QIL=	1500.	YIL=	1075.41	DEP=	1.61	ITB=	3
I=	55	X=	0.909	QIL=	1500.	YIL=	1080.83	DEP=	1.63	ITB=	4
I=	54	X=	0.834	QIL=	1500.	YIL=	1086.30	DEP=	1.70	ITB=	3
I=	53	X=	0.758	QIL=	1500.	YIL=	1091.71	DEP=	1.71	ITB=	4
I=	52	X=	0.751	QIL=	1500.	YIL=	1092.28	DEP=	1.71	ITB=	5

I=	51	X=	0.743	QIL=	1500.	YIL=	1092.85	DEP=	1.71	ITB=	5
I=	50	X=	0.736	QIL=	1500.	YIL=	1093.41	DEP=	1.71	ITB=	5
I=	49	X=	0.728	QIL=	1500.	YIL=	1093.98	DEP=	1.71	ITB=	5
I=	48	X=	0.721	QIL=	1500.	YIL=	1094.55	DEP=	1.70	ITB=	5
I=	47	X=	0.713	QIL=	1500.	YIL=	1095.12	DEP=	1.70	ITB=	5
I=	46	X=	0.706	QIL=	1500.	YIL=	1095.68	DEP=	1.70	ITB=	5
I=	45	X=	0.699	QIL=	1500.	YIL=	1096.25	DEP=	1.70	ITB=	5
I=	44	X=	0.691	QIL=	1500.	YIL=	1096.82	DEP=	1.70	ITB=	5
I=	43	X=	0.684	QIL=	1500.	YIL=	1097.38	DEP=	1.70	ITB=	5
I=	42	X=	0.676	QIL=	1500.	YIL=	1097.95	DEP=	1.70	ITB=	5
I=	41	X=	0.669	QIL=	1500.	YIL=	1098.52	DEP=	1.70	ITB=	5
I=	40	X=	0.661	QIL=	1500.	YIL=	1099.09	DEP=	1.69	ITB=	5
I=	39	X=	0.654	QIL=	1500.	YIL=	1099.65	DEP=	1.69	ITB=	5
I=	38	X=	0.647	QIL=	1500.	YIL=	1100.22	DEP=	1.69	ITB=	5
I=	37	X=	0.639	QIL=	1500.	YIL=	1100.79	DEP=	1.69	ITB=	5
I=	36	X=	0.632	QIL=	1500.	YIL=	1101.35	DEP=	1.69	ITB=	5
I=	35	X=	0.624	QIL=	1500.	YIL=	1101.92	DEP=	1.69	ITB=	5
I=	34	X=	0.617	QIL=	1500.	YIL=	1102.49	DEP=	1.68	ITB=	5
I=	33	X=	0.609	QIL=	1500.	YIL=	1103.05	DEP=	1.68	ITB=	5
I=	32	X=	0.602	QIL=	1500.	YIL=	1103.62	DEP=	1.68	ITB=	5
I=	31	X=	0.595	QIL=	1500.	YIL=	1104.19	DEP=	1.68	ITB=	5
I=	30	X=	0.587	QIL=	1500.	YIL=	1104.75	DEP=	1.67	ITB=	5
I=	29	X=	0.580	QIL=	1500.	YIL=	1105.32	DEP=	1.67	ITB=	5
I=	28	X=	0.572	QIL=	1500.	YIL=	1105.89	DEP=	1.67	ITB=	5
I=	27	X=	0.565	QIL=	1500.	YIL=	1106.45	DEP=	1.67	ITB=	5
I=	26	X=	0.557	QIL=	1500.	YIL=	1107.02	DEP=	1.66	ITB=	5
I=	25	X=	0.550	QIL=	1500.	YIL=	1107.58	DEP=	1.66	ITB=	5
I=	24	X=	0.542	QIL=	1500.	YIL=	1108.15	DEP=	1.66	ITB=	5
I=	23	X=	0.535	QIL=	1500.	YIL=	1108.71	DEP=	1.65	ITB=	5
I=	22	X=	0.528	QIL=	1500.	YIL=	1109.28	DEP=	1.65	ITB=	5
I=	21	X=	0.520	QIL=	1500.	YIL=	1109.84	DEP=	1.65	ITB=	5
I=	20	X=	0.513	QIL=	1500.	YIL=	1110.41	DEP=	1.64	ITB=	5
I=	19	X=	0.505	QIL=	1500.	YIL=	1110.97	DEP=	1.64	ITB=	5
I=	18	X=	0.498	QIL=	1500.	YIL=	1111.54	DEP=	1.63	ITB=	5
I=	17	X=	0.490	QIL=	1500.	YIL=	1112.10	DEP=	1.63	ITB=	5
I=	16	X=	0.483	QIL=	1500.	YIL=	1112.66	DEP=	1.62	ITB=	5
I=	15	X=	0.476	QIL=	1500.	YIL=	1113.23	DEP=	1.62	ITB=	5
I=	14	X=	0.468	QIL=	1500.	YIL=	1113.79	DEP=	1.61	ITB=	5
I=	13	X=	0.461	QIL=	1500.	YIL=	1114.35	DEP=	1.61	ITB=	5
I=	12	X=	0.453	QIL=	1500.	YIL=	1114.91	DEP=	1.60	ITB=	5
I=	11	X=	0.446	QIL=	1500.	YIL=	1115.47	DEP=	1.59	ITB=	5
I=	10	X=	0.438	QIL=	1500.	YIL=	1116.03	DEP=	1.58	ITB=	5
I=	9	X=	0.431	QIL=	1500.	YIL=	1116.59	DEP=	1.57	ITB=	5
I=	8	X=	0.424	QIL=	1500.	YIL=	1117.14	DEP=	1.55	ITB=	5
I=	7	X=	0.416	QIL=	1500.	YIL=	1117.68	DEP=	1.53	ITB=	5
I=	6	X=	0.409	QIL=	1500.	YIL=	1118.23	DEP=	1.51	ITB=	5
I=	5	X=	0.401	QIL=	1500.	YIL=	1118.78	DEP=	1.48	ITB=	5
I=	4	X=	0.394	QIL=	1500.	YIL=	1119.33	DEP=	1.46	ITB=	5
I=	3	X=	0.386	QIL=	1500.	YIL=	1119.88	DEP=	1.44	ITB=	5
I=	2	X=	0.379	QIL=	1500.	YIL=	1120.43	DEP=	1.43	ITB=	5
I=	1	X=	0.000	QIL=	1500.	YIL=	1163.20	DEP=	19.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

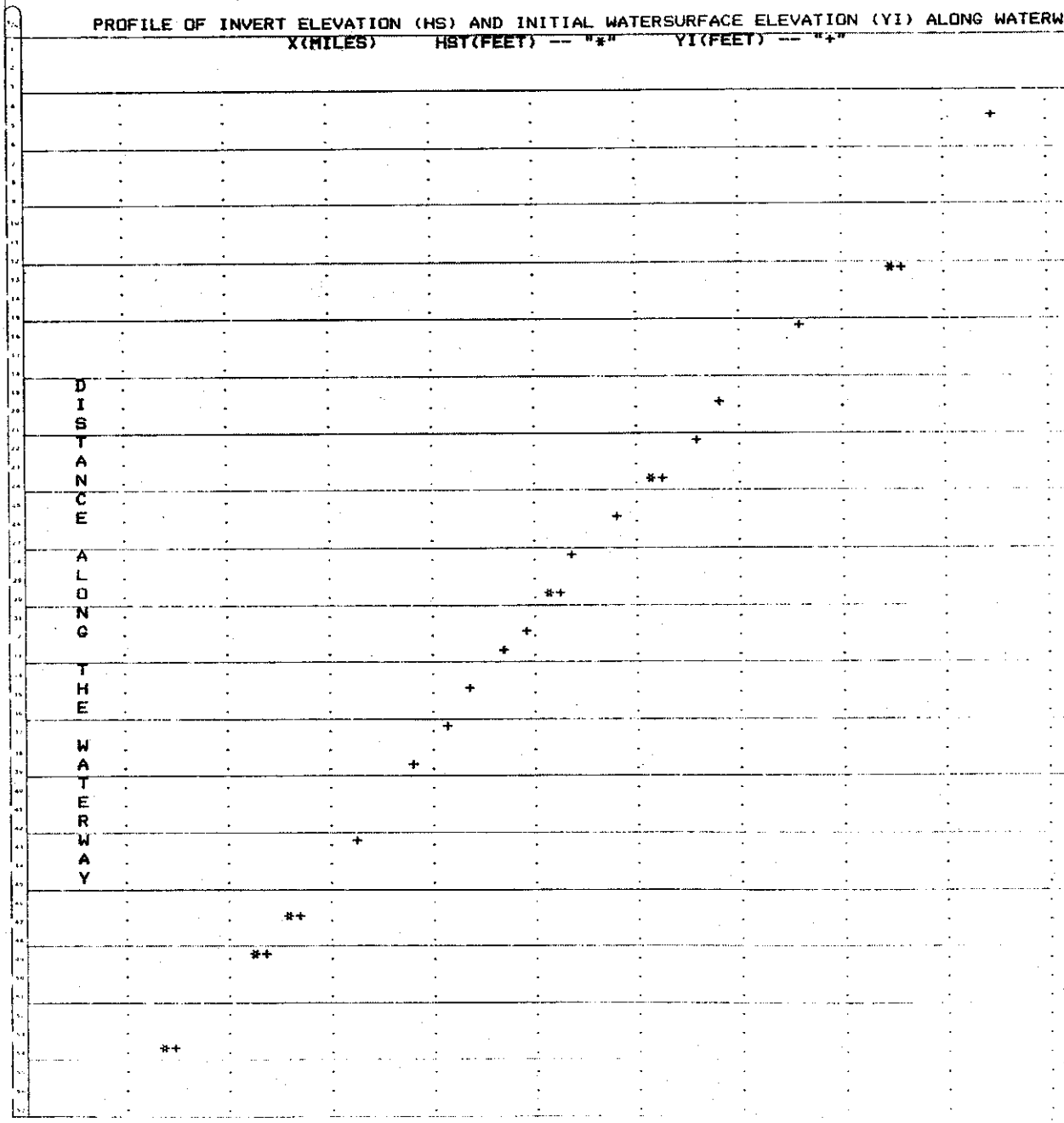
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.	1500.	1500.	1500.	1500.
1500.	1500.	1500.	1500.				

(YI(I), I=1, N)

1163.20	1120.43	1119.88	1119.33	1118.78	1118.23	1117.68	1117.14
1116.59	1116.03	1115.47	1114.91	1114.35	1113.79	1113.23	1112.66
1112.10	1111.54	1110.97	1110.41	1109.84	1109.28	1108.71	1108.15
1107.58	1107.02	1106.45	1105.89	1105.32	1104.75	1104.19	1103.62
1103.05	1102.49	1101.92	1101.35	1100.79	1100.22	1099.65	1099.09
1098.52	1097.95	1097.38	1096.82	1096.25	1095.68	1095.12	1094.55
1093.98	1093.41	1092.85	1092.28	1091.71	1086.30	1080.83	1075.41
1069.91	1064.45	1061.27	1057.94	1054.77	1051.39	1048.27	1044.81
1041.76	1040.25	1038.62	1037.21	1035.47	1033.46	1031.47	1029.45
1027.47	1025.44	1023.48	1011.66	1009.97	1008.18	1006.53	1004.68
1003.09	1001.13	999.63	998.11	996.55	995.08	993.48	992.90
992.32	991.74	991.16	990.57	989.99	989.40	988.82	988.22
987.63	987.03	986.44	985.79	985.22	984.96	984.69	984.43
984.16	983.89	983.61	983.33	983.06	982.78	982.50	982.23
981.95	981.67	981.39	981.11	980.84	980.56	980.28	980.00
979.72	979.44	979.16	978.89	978.61	978.30	977.39	976.48
975.57	974.65	973.74	972.80	971.89	970.93	970.00	961.94
960.88	959.81	958.72	957.64	956.54	955.45	954.34	953.26
950.77	948.34	945.85	943.41	940.90	938.44	935.91	933.15
930.29	927.53	924.65	921.91	918.99	909.06	902.55	896.14
889.61	883.21	881.90	880.58	879.27	877.94	876.63	875.28
873.98	872.61	871.31	869.92				

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)

X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1144.00	1163.20	19.20
0.38	1119.00	1120.43	1.43
0.76	1090.00	1091.71	1.71
1.14	1063.00	1064.45	1.45
1.51	1040.00	1041.76	1.76
1.71	1034.00	1035.47	1.47
1.89	1022.00	1023.48	1.48
2.08	1010.00	1011.66	1.66
2.27	998.00	999.63	1.63
2.46	992.00	993.48	1.48
2.65	984.00	985.22	1.22
2.84	977.00	978.30	1.30
3.03	969.00	970.00	1.00
3.22	961.00	961.94	0.94
3.41	952.00	953.26	1.26
3.79	935.00	935.91	0.91
4.17	918.00	918.99	0.99
4.36	908.00	909.06	1.06
4.92	882.00	883.21	1.21

+											5.30	869.00	869.92	0.92
869.0	898.4	927.8	957.3	986.7	1016.1	1045.5	1074.9	1104.4	1133.8	1163.2				

ELEVATION

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	6.500
TIME TO PEAK	HR	TP	3.250
TIME STEP SIZE	HR	DTHI	0.025

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     1500.00     YU(1) =     1163.20  QU(N) =     1500.00  YU(N) =     869.92
FRDM=     0.74  IIFR=   82  FRM=0.00 IIFM=    1

TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     1500.00     YU(1) =     1163.19  QU(N) =     1500.00  YU(N) =     869.94
FRDM=     0.70  IIFR=   64  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	1500.0	1163.19	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.0000          DTH =  0.0250          ITERR =    0
QU(1) =     1500.00     YU(1) =     1163.17  QU(N) =     1592.82  YU(N) =     869.95
FRDM=     0.73  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	1500.0	1163.17	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.1625          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1163.09  QU(N) =     1595.00  YU(N) =     869.95
FRDM=    0.70  IIFR=   64  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.162    1500.0   1163.09   1170.00   1120.43     1.00      0.0    1500.0       0.0       0.0   1500.0

TT =    0.3250          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1163.02  QU(N) =     1600.18  YU(N) =     869.95
FRDM=    0.72  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.325    1500.0   1163.02   1170.00   1120.43     1.00      0.0    1500.0       0.0       0.0   1500.0

TT =    0.4875          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.96  QU(N) =     1595.88  YU(N) =     869.95
FRDM=    0.70  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.487    1500.0   1162.96   1170.00   1120.43     1.00      0.0    1500.0       0.0       0.0   1500.0

TT =    0.6500          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.92  QU(N) =     1599.06  YU(N) =     869.95
FRDM=    0.71  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     0.650    1500.0   1162.92   1170.00   1120.43     1.00      0.0    1500.0       0.0       0.0   1500.0
```

```
TT =    0.8125          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.89  QU(N) =     1596.50  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.813	1500.0	1162.89	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    0.9750          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.88  QU(N) =     1598.38  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.975	1500.0	1162.88	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    1.1375          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.88  QU(N) =     1597.04  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	1.138	1500.0	1162.88	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    1.3000          DTH =  0.1625          ITERR =    0
QU(1) =     1500.00     YU(1) =     1162.92  QU(N) =     1598.04  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	1.300	1500.0	1162.92	1170.00	1120.43	1.00	0.0	1500.0	0.0	0.0	1500.0

```
TT =    1.4625          DTH =  0.1625          ITERR =   0
GU(1) =     1500.00     YU(1) =     1162.99  GU(N) =    1597.43  YU(N) =     869.95
FRDM=    0.71  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.463     1500.0   1162.99   1170.00   1120.43      1.00      0.0    1500.0       0.0       0.0    1500.0

TT =    1.6250          DTH =  0.1625          ITERR =   0
GU(1) =     1500.00     YU(1) =     1163.09  GU(N) =    1598.17  YU(N) =     869.95
FRDM=    0.71  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    0     1.625     1500.0   1163.09   1170.00   1120.43      1.00      0.0    1500.0       0.0       0.0    1500.0

TT =    1.7875          DTH =  0.1625          ITERR =   1
GU(1) =     1512.37     YU(1) =     1163.25  GU(N) =    1596.82  YU(N) =     869.95
FRDM=    0.71  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.788     1512.4   1163.25   1170.00   1120.43      1.00      0.0    1512.4       0.0       0.0    1512.4

TT =    1.9500          DTH =  0.1625          ITERR =   1
GU(1) =     1638.43     YU(1) =     1163.45  GU(N) =    1597.34  YU(N) =     869.95
FRDM=    0.71  IIFR=   82  FRM=0.00 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB       BB     GU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.950     1638.4   1163.45   1170.00   1120.46      1.00      0.0    1638.4       0.0       0.0    1638.4
```

```
TT =    2.1125          DTH =  0.1625          ITERR =    1
QU(1) =     1962.87     YU(1) =     1163.77  QU(N) =     1597.48  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.113	1962.9	1163.77	1170.00	1120.54	1.00	0.0	1962.9	0.0	0.0	1962.9

```
TT =    2.2750          DTH =  0.1625          ITERR =    1
QU(1) =     2731.24     YU(1) =     1164.29  QU(N) =     1597.86  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.275	2731.2	1164.29	1170.00	1120.72	1.00	0.0	2731.2	0.0	0.0	2731.2

```
TT =    2.4375          DTH =  0.1625          ITERR =    1
QU(1) =     4361.43     YU(1) =     1165.11  QU(N) =     1598.52  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.00 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.438	4361.4	1165.11	1170.00	1121.02	1.00	0.0	4361.4	0.0	0.0	4361.4

```
TT =    2.6000          DTH =  0.1625          ITERR =    1
QU(1) =     7051.77     YU(1) =     1166.18  QU(N) =     1599.09  YU(N) =     869.95
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.600	7051.8	1166.18	1170.00	1121.41	1.00	0.0	7051.8	0.0	0.0	7051.8

```
TT =    2.7625          DTH =  0.1625          ITERR =    1
GU(1) =   10523.52     YU(1) =     1167.32  GU(N) =     1599.83  YU(N) =     869.95
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.762	10523.5	1167.32	1170.00	1121.82	1.00	0.0	10523.5	0.0	0.0	10523.5

```
TT =    2.7875          DTH =  0.0250          ITERR =    1
GU(1) =   11117.23     YU(1) =     1167.50  GU(N) =     1652.02  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.787	11117.2	1167.50	1170.00	1121.89	1.00	0.0	11117.2	0.0	0.0	11117.2

```
TT =    2.8125          DTH =  0.0250          ITERR =    0
GU(1) =   11732.60     YU(1) =     1167.68  GU(N) =     1667.16  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.813	11732.6	1167.68	1170.00	1121.95	1.00	0.0	11732.6	0.0	0.0	11732.6

```
TT =    2.8375          DTH =  0.0250          ITERR =    0
GU(1) =   12372.03     YU(1) =     1167.86  GU(N) =     1673.19  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.838	12372.0	1167.86	1170.00	1122.01	1.00	0.0	12372.0	0.0	0.0	12372.0

```
TT =    2.8625          DTH =  0.0250          ITERR =    0
QU(1) =    13033.40     YU(1) =    1168.05  QU(N) =    1675.59  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.863    13033.4   1168.05   1170.00   1122.08      1.00       0.0   13033.4       0.0       0.0   13033.4

TT =    2.8875          DTH =  0.0250          ITERR =    0
QU(1) =    13715.31     YU(1) =    1168.24  QU(N) =    1676.45  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.888    13715.3   1168.24   1170.00   1122.14      1.00       0.0   13715.3       0.0       0.0   13715.3

TT =    2.9125          DTH =  0.0250          ITERR =    0
QU(1) =    14417.27     YU(1) =    1168.43  QU(N) =    1676.97  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.913    14417.3   1168.43   1170.00   1122.21      1.00       0.0   14417.3       0.0       0.0   14417.3

TT =    2.9375          DTH =  0.0250          ITERR =    0
QU(1) =    15138.36     YU(1) =    1168.62  QU(N) =    1677.11  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.938    15138.4   1168.62   1170.00   1122.27      1.00       0.0   15138.4       0.0       0.0   15138.4
```

```
TT =    2.9625          DTH =  0.0250          ITERR =    0
QU(1) =    15878.25     YU(1) =     1168.82  QU(N) =     1677.07  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.963	15878.2	1168.82	1170.00	1122.34	1.00	0.0	15878.2	0.0	0.0	15878.2

```
TT =    2.9875          DTH =  0.0250          ITERR =    0
QU(1) =    16636.57     YU(1) =     1169.01  QU(N) =     1677.07  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.988	16636.6	1169.01	1170.00	1122.40	1.00	0.0	16636.6	0.0	0.0	16636.6

```
TT =    3.0125          DTH =  0.0250          ITERR =    0
QU(1) =    17408.08     YU(1) =     1169.21  QU(N) =     1677.08  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.013	17408.1	1169.21	1170.00	1122.47	1.00	0.0	17408.1	0.0	0.0	17408.1

```
TT =    3.0375          DTH =  0.0250          ITERR =    0
QU(1) =    18194.96     YU(1) =     1169.40  QU(N) =     1677.07  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.038	18195.0	1169.40	1168.95	1122.53	1.00	12.5	18195.0	8.7	0.0	18186.3

```
TT =    3.0625          DTH =  0.0250          ITERR =    0
GU(1) =    19134.52     YU(1) =    1169.59  GU(N) =    1677.08  YU(N) =     869.96
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.063   19134.5   1169.59   1167.90   1122.61      1.00      25.0   19134.5     168.4       0.0   18966.1

TT =    3.0875          DTH =  0.0250          ITERR =    0
GU(1) =    20335.89     YU(1) =    1169.78  GU(N) =    1677.07  YU(N) =     869.96
FRDM=     0.71  IIFR=    2  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.088   20335.9   1169.78   1166.85   1122.70      1.00      37.5   20335.9     601.3       0.0   19734.6

TT =    3.1125          DTH =  0.0250          ITERR =    0
GU(1) =    21862.85     YU(1) =    1169.96  GU(N) =    1677.08  YU(N) =     869.96
FRDM=     0.71  IIFR=    2  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.113   21862.9   1169.96   1165.80   1122.81      1.00      50.0   21862.9    1381.1       0.0   20481.8

TT =    3.1375          DTH =  0.0250          ITERR =    1
GU(1) =    25599.74     YU(1) =    1170.12  GU(N) =    1676.97  YU(N) =     869.96
FRDM=     0.73  IIFR=    2  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.138   25599.7   1170.12   1164.75   1123.06      1.00      62.5   25599.7    2573.9    1891.1   21134.7
```

```
TT =    3.1625          DTH =  0.0250          ITERR =    1
GU(1) =    31477.13     YU(1) =     1170.26  GU(N) =     1677.03  YU(N) =     869.96
FRDM=     0.74  IIFR=     2  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.163	31477.1	1170.26	1163.70	1123.43	1.00	75.0	31477.1	4175.2	5868.2	21433.7

```
TT =    3.1875          DTH =  0.0250          ITERR =    1
GU(1) =    37536.05     YU(1) =     1170.36  GU(N) =     1677.00  YU(N) =     869.96
FRDM=     0.74  IIFR=     2  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.188	37536.1	1170.36	1162.65	1123.78	1.00	87.5	37536.1	6217.1	9734.0	21585.0

```
TT =    3.2125          DTH =  0.0250          ITERR =    1
GU(1) =    43071.57     YU(1) =     1170.43  GU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.75  IIFR=     2  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.213	43071.6	1170.43	1161.60	1124.07	1.00	100.0	43071.6	8714.6	12759.1	21597.9

```
TT =    3.2375          DTH =  0.0250          ITERR =    1
GU(1) =    47900.70     YU(1) =     1170.47  GU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.75  IIFR=     2  FRM=0.03 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.238	47900.7	1170.47	1160.55	1124.31	1.00	112.5	47900.7	11681.7	14730.2	21488.8

```
TT =   3.2625          DTH =  0.0250          ITERR =   1
QU(1) =   51916.47     YU(1) =    1170.49  QU(N) =    1677.01  YU(N) =     869.96
FRDM=    0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.263	51916.5	1170.49	1159.50	1124.50	1.00	125.0	51916.5	15127.1	15524.7	21264.7

```
TT =   3.2875          DTH =  0.0250          ITERR =   1
QU(1) =   55248.86     YU(1) =    1170.48  QU(N) =    1677.01  YU(N) =     869.96
FRDM=    0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.288	55248.9	1170.48	1158.45	1124.65	1.00	137.5	55248.9	19047.9	14986.0	21215.0

```
TT =   3.3125          DTH =  0.0250          ITERR =   1
QU(1) =   57717.11     YU(1) =    1170.44  QU(N) =    1677.01  YU(N) =     869.96
FRDM=    0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.313	57717.1	1170.44	1157.40	1124.76	1.00	150.0	57717.1	23444.7	13225.5	21047.0

```
TT =   3.3375          DTH =  0.0250          ITERR =   1
QU(1) =   59671.94     YU(1) =    1170.38  QU(N) =    1677.01  YU(N) =     869.96
FRDM=    0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.338	59671.9	1170.38	1156.35	1124.85	1.00	162.5	59671.9	28327.6	10563.9	20780.4

```
TT =    3.3625          DTH =   0.0250          ITERR =    1
QU(1) =    61443.37     YU(1) =     1170.30  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.363	61443.4	1170.30	1155.30	1124.92	1.00	175.0	61443.4	33698.7	7321.9	20422.7

```
TT =    3.3875          DTH =   0.0250          ITERR =    1
QU(1) =    63382.68     YU(1) =     1170.19  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.76  IIFR=    2  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.388	63382.7	1170.19	1154.25	1125.00	1.00	187.5	63382.7	39553.0	3855.0	19974.7

```
TT =    3.4125          DTH =   0.0250          ITERR =    1
QU(1) =    66072.56     YU(1) =     1170.07  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.413	66072.6	1170.07	1153.20	1125.10	1.00	200.0	66072.6	45874.0	772.6	19425.9

```
TT =    3.4375          DTH =   0.0250          ITERR =    1
QU(1) =    71365.95     YU(1) =     1169.90  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.438	71365.9	1169.90	1152.15	1125.30	1.00	212.5	71365.9	52626.9	0.0	18739.0

```
TT =    3.4625          DTH =   0.0250          ITERR =    1
QU(1) =    77552.98     YU(1) =     1169.69  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.78  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.463    77553.0   1169.69   1151.10   1125.53      1.00     225.0   77553.0   59695.8       0.0   17857.2

TT =    3.4875          DTH =   0.0250          ITERR =    1
QU(1) =    83802.27     YU(1) =     1169.43  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.78  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.488    83802.3   1169.43   1150.05   1125.75      1.00     237.5   83802.3   67022.6       0.0   16779.7

TT =    3.5125          DTH =   0.0250          ITERR =    1
QU(1) =    90056.76     YU(1) =     1169.11  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.78  IIFR=    2  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.513    90056.8   1169.11   1149.00   1125.96      1.00     250.0   90056.8   74547.4       0.0   15509.4

TT =    3.5375          DTH =   0.0250          ITERR =    1
QU(1) =    86736.88     YU(1) =     1168.76  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.538    86736.9   1168.76   1149.00   1125.88      1.00     250.0   86736.9   72563.1       0.0   14173.7
```

```
TT =    3.5625          DTH =  0.0250          ITERR =    1
QU(1) =    83524.98     YU(1) =     1168.42  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.07 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.563   83525.0   1168.42   1149.00   1125.76      1.00     250.0   83525.0   70627.4       0.0   12897.6

TT =    3.5875          DTH =  0.0250          ITERR =    1
QU(1) =    80417.44     YU(1) =     1168.09  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.588   80417.4   1168.09   1149.00   1125.66      1.00     250.0   80417.4   68738.3       0.0   11679.2

TT =    3.6125          DTH =  0.0250          ITERR =    1
QU(1) =    77410.34     YU(1) =     1167.76  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.613   77410.3   1167.76   1149.00   1125.55      1.00     250.0   77410.3   66893.4       0.0   10517.0

TT =    3.6375          DTH =  0.0250          ITERR =    1
QU(1) =    74501.22     YU(1) =     1167.43  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.638   74501.2   1167.43   1149.00   1125.44      1.00     250.0   74501.2   65090.9       0.0    9410.3
```

```
TT =    3.6625          DTH =   0.0250          ITERR =    1
QU(1) =    71686.45     YU(1) =     1167.11  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.77  IIFR=     2  FRM=0.06 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.663	71686.4	1167.11	1149.00	1125.34	1.00	250.0	71686.4	63328.5	0.0	8358.0

```
TT =    3.6875          DTH =   0.0250          ITERR =    1
QU(1) =    68961.80     YU(1) =     1166.79  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.76  IIFR=     2  FRM=0.06 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.688	68961.8	1166.79	1149.00	1125.23	1.00	250.0	68961.8	61603.2	0.0	7358.6

```
TT =    3.7125          DTH =   0.0250          ITERR =    1
QU(1) =    66324.09     YU(1) =     1166.48  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.76  IIFR=     2  FRM=0.06 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.713	66324.1	1166.48	1149.00	1125.13	1.00	250.0	66324.1	59912.6	0.0	6411.5

```
TT =    3.7375          DTH =   0.0250          ITERR =    1
QU(1) =    63768.62     YU(1) =     1166.17  QU(N) =     1677.01  YU(N) =     869.96
FRDM=     0.76  IIFR=     2  FRM=0.06 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.738	63768.6	1166.17	1149.00	1125.03	1.00	250.0	63768.6	58252.6	0.0	5516.0

```
TT =    3.7625          DTH =   0.0250          ITERR =    1
QU(1) =    61301.77     YU(1) =     1165.86  QU(N) =     1677.01  YU(N) =      869.96
FRDM=     0.76  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.763   61301.8   1165.86   1149.00   1124.93      1.00     250.0   61301.8   56626.5       0.0    4675.2

TT =    3.7988          DTH =   0.0363          ITERR =    1
QU(1) =    57905.89     YU(1) =     1165.41  QU(N) =     1668.53  YU(N) =      869.96
FRDM=     0.76  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.799   57905.9   1165.41   1149.00   1124.78      1.00     250.0   57905.9   54340.1       0.0    3565.8

TT =    3.8350          DTH =   0.0363          ITERR =    1
QU(1) =    54730.67     YU(1) =     1164.99  QU(N) =     1666.30  YU(N) =      869.96
FRDM=     0.75  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.835   54730.7   1164.99   1149.00   1124.64      1.00     250.0   54730.7   52151.6       0.0    2579.1

TT =    3.8713          DTH =   0.0363          ITERR =    1
QU(1) =    51765.73     YU(1) =     1164.56  QU(N) =     1665.90  YU(N) =      869.96
FRDM=     0.75  IIFR=    2  FRM=0.06 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     3.871   51765.7   1164.56   1149.00   1124.51      1.00     250.0   51765.7   50041.0       0.0    1724.7
```

```
TT =    3.9075          DTH =  0.0363          ITERR =    1
QU(1) =    49006.04     YU(1) =     1164.15  QU(N) =     1665.66  YU(N) =     869.96
FRDM=     0.75  IIFR=     2  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.908	49006.0	1164.15	1149.00	1124.38	1.00	250.0	49006.0	48000.5	0.0	1005.5

```
TT =    3.9438          DTH =  0.0363          ITERR =    1
QU(1) =    46454.70     YU(1) =     1163.74  QU(N) =     1665.41  YU(N) =     869.96
FRDM=     0.75  IIFR=     2  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	3.944	46454.7	1163.74	1149.00	1124.26	1.00	250.0	46454.7	46018.9	0.0	435.8

```
TT =    3.9800          DTH =  0.0363          ITERR =    2
QU(1) =    44141.88     YU(1) =     1163.34  QU(N) =     1665.55  YU(N) =     869.96
FRDM=     0.74  IIFR=     2  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	3.980	44141.9	1163.34	1149.00	1124.15	1.00	250.0	44141.9	44085.3	0.0	56.6

```
TT =    4.0163          DTH =  0.0363          ITERR =    2
QU(1) =    42184.80     YU(1) =     1162.94  QU(N) =     1665.48  YU(N) =     869.96
FRDM=     0.74  IIFR=     2  FRM=0.05 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	4.016	42184.8	1162.94	1149.00	1124.05	1.00	250.0	42184.8	42184.8	0.0	0.0

```
TT =    4.0525          DTH =  0.0363          ITERR =    3
GU(1) =    40320.76     YU(1) =     1162.53  GU(N) =     1665.51  YU(N) =     869.96
FRDM=     0.74  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	3	4.053	40320.8	1162.53	1149.00	1123.95	1.00	250.0	40320.8	40320.8	0.0	0.0

```
TT =    4.0888          DTH =  0.0363          ITERR =    4
GU(1) =    38498.18     YU(1) =     1162.13  GU(N) =     1665.49  YU(N) =     869.96
FRDM=     0.74  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	4	4.089	38498.2	1162.13	1149.00	1123.85	1.00	250.0	38498.2	38498.2	0.0	0.0

```
TT =    4.1250          DTH =  0.0363          ITERR =    4
GU(1) =    36714.13     YU(1) =     1161.73  GU(N) =     1665.50  YU(N) =     869.96
FRDM=     0.74  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	4	4.125	36714.1	1161.73	1149.00	1123.76	1.00	250.0	36714.1	36714.1	0.0	0.0

```
TT =    4.1613          DTH =  0.0363          ITERR =    3
GU(1) =    34967.35     YU(1) =     1161.34  GU(N) =     1665.50  YU(N) =     869.96
FRDM=     0.73  IIFR=    2  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	3	4.161	34967.4	1161.34	1149.00	1123.66	1.00	250.0	34967.4	34967.4	0.0	0.0

```
TT =    4.1975          DTH =  0.0363          ITERR =   3
QU(1) =    33255.57     YU(1) =    1160.94  QU(N) =    1665.50  YU(N) =     869.96
FRDM=    0.73  IIFR=   57  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    4.198   33255.6   1160.94   1149.00   1123.56      1.00     250.0   33255.6   33255.6       0.0       0.0

TT =    4.2338          DTH =  0.0363          ITERR =   3
QU(1) =    31577.23     YU(1) =    1160.55  QU(N) =    1665.50  YU(N) =     869.96
FRDM=    0.73  IIFR=   57  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    4.234   31577.2   1160.55   1149.00   1123.46      1.00     250.0   31577.2   31577.2       0.0       0.0

TT =    4.2700          DTH =  0.0363          ITERR =   4
QU(1) =    29936.77     YU(1) =    1160.15  QU(N) =    1665.50  YU(N) =     869.96
FRDM=    0.73  IIFR=   57  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    4    4.270   29936.8   1160.15   1149.00   1123.36      1.00     250.0   29936.8   29936.8       0.0       0.0

TT =    4.3063          DTH =  0.0363          ITERR =   3
QU(1) =    28343.77     YU(1) =    1159.76  QU(N) =    1665.51  YU(N) =     869.96
FRDM=    0.73  IIFR=   57  FRM=0.05 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    3    4.306   28343.8   1159.76   1149.00   1123.26      1.00     250.0   28343.8   28343.8       0.0       0.0
```

```
TT =    4.3425          DTH =  0.0363          ITERR =    2
QU(1) =    26800.38     YU(1) =     1159.37  QU(N) =     1665.57  YU(N) =     869.96
FRDM=     0.73  IIFR=    57  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.343   26800.4   1159.37   1149.00   1123.16      1.00    250.0   26800.4   26800.4       0.0       0.0

TT =    4.3788          DTH =  0.0363          ITERR =    2
QU(1) =    25303.74     YU(1) =     1158.99  QU(N) =     1665.80  YU(N) =     869.96
FRDM=     0.73  IIFR=    57  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.379   25303.7   1158.99   1149.00   1123.06      1.00    250.0   25303.7   25303.7       0.0       0.0

TT =    4.4150          DTH =  0.0363          ITERR =    2
QU(1) =    23851.99     YU(1) =     1158.61  QU(N) =     1666.78  YU(N) =     869.96
FRDM=     0.73  IIFR=    57  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.415   23852.0   1158.61   1149.00   1122.96      1.00    250.0   23852.0   23852.0       0.0       0.0

TT =    4.4513          DTH =  0.0363          ITERR =    2
QU(1) =    22442.68     YU(1) =     1158.24  QU(N) =     1672.79  YU(N) =     869.96
FRDM=     0.72  IIFR=    57  FRM=0.05 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2     4.451   22442.7   1158.24   1149.00   1122.86      1.00    250.0   22442.7   22442.7       0.0       0.0
```

```
TT =    4.4875          DTH =  0.0363          ITERR =   3
QU(1) =   21073.52     YU(1) =    1157.87  QU(N) =    1752.19  YU(N) =     869.97
FRDM=     0.72  IIFR=   57  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	4.488	21073.5	1157.87	1149.00	1122.76	1.00	250.0	21073.5	21073.5	0.0	0.0

```
TT =    4.5238          DTH =  0.0363          ITERR =   3
QU(1) =   19749.87     YU(1) =    1157.50  QU(N) =    5319.05  YU(N) =     870.20
FRDM=     0.72  IIFR=   57  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	3	4.524	19749.9	1157.50	1149.00	1122.66	1.00	250.0	19749.9	19749.9	0.0	0.0

```
TT =    4.5600          DTH =  0.0363          ITERR =   2
QU(1) =   18480.08     YU(1) =    1157.14  QU(N) =   32966.73  YU(N) =     871.08
FRDM=     0.72  IIFR=   57  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	4.560	18480.1	1157.14	1149.00	1122.56	1.00	250.0	18480.1	18480.1	0.0	0.0

```
TT =    4.5963          DTH =  0.0363          ITERR =   1
QU(1) =   17266.48     YU(1) =    1156.78  QU(N) =   67223.12  YU(N) =     871.72
FRDM=     0.72  IIFR=   57  FRM=0.05 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.596	17266.5	1156.78	1149.00	1122.46	1.00	250.0	17266.5	17266.5	0.0	0.0

```
TT =    4.6325          DTH =  0.0363          ITERR =    1
GU(1) =    16107.26     YU(1) =     1156.43  GU(N) =    74125.39  YU(N) =     871.90
FRDM=     0.72  IIFR=    57  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    QOVTOP     QOTHR
1    1     4.633    16107.3   1156.43   1149.00   1122.36      1.00     250.0   16107.3   16107.3       0.0       0.0

TT =    4.6688          DTH =  0.0363          ITERR =    1
GU(1) =    15000.62     YU(1) =     1156.09  GU(N) =    73598.38  YU(N) =     871.94
FRDM=     0.72  IIFR=    57  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    QOVTOP     QOTHR
1    1     4.669    15000.6   1156.09   1149.00   1122.27      1.00     250.0   15000.6   15000.6       0.0       0.0

TT =    4.7050          DTH =  0.0363          ITERR =    1
GU(1) =    13956.52     YU(1) =     1155.77  GU(N) =    73008.51  YU(N) =     871.95
FRDM=     0.71  IIFR=    57  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    QOVTOP     QOTHR
1    1     4.705    13956.5   1155.77   1149.00   1122.17      1.00     250.0   13956.5   13956.5       0.0       0.0

TT =    4.7416          DTH =  0.0366          ITERR =    1
GU(1) =    12978.41     YU(1) =     1155.45  GU(N) =    70979.79  YU(N) =     871.92
FRDM=     0.71  IIFR=    57  FRM=0.04 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       G(I)        H2        YB         D       SUB        BB     GU(1)    GBRECH    QOVTOP     QOTHR
1    1     4.742    12978.4   1155.45   1149.00   1122.08      1.00     250.0   12978.4   12978.4       0.0       0.0
```

```
TT =    4.7786          DTH =  0.0370          ITERR =    1
GU(1) =    12068.08     YU(1) =     1155.15  GU(N) =    68810.12  YU(N) =     871.89
FRDM=     0.71  IIFR=   57  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.779	12068.1	1155.15	1149.00	1121.99	1.00	250.0	12068.1	12068.1	0.0	0.0

```
TT =    4.8159          DTH =  0.0373          ITERR =    1
GU(1) =    11221.35     YU(1) =     1154.86  GU(N) =    66407.69  YU(N) =     871.84
FRDM=     0.71  IIFR=   57  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.816	11221.4	1154.86	1149.00	1121.90	1.00	250.0	11221.4	11221.4	0.0	0.0

```
TT =    4.8537          DTH =  0.0377          ITERR =    1
GU(1) =    10434.69     YU(1) =     1154.59  GU(N) =    63971.99  YU(N) =     871.80
FRDM=     0.71  IIFR=   57  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.854	10434.7	1154.59	1149.00	1121.82	1.00	250.0	10434.7	10434.7	0.0	0.0

```
TT =    4.8918          DTH =  0.0381          ITERR =    1
GU(1) =     9704.29     YU(1) =     1154.33  GU(N) =    61557.08  YU(N) =     871.75
FRDM=     0.70  IIFR=   64  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.892	9704.3	1154.33	1149.00	1121.74	1.00	250.0	9704.3	9704.3	0.0	0.0

```
TT =    4.9302          DTH =  0.0385          ITERR =    1
QU(1) =     9026.24     YU(1) =     1154.08  QU(N) =    59192.86  YU(N) =     871.70
FRDM=     0.71  IIFR=    64  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.930	9026.2	1154.08	1149.00	1121.66	1.00	250.0	9026.2	9026.2	0.0	0.0

```
TT =    4.9691          DTH =  0.0389          ITERR =    1
QU(1) =     8396.51     YU(1) =     1153.84  QU(N) =    56902.78  YU(N) =     871.66
FRDM=     0.71  IIFR=    64  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	4.969	8396.5	1153.84	1149.00	1121.59	1.00	250.0	8396.5	8396.5	0.0	0.0

```
TT =    5.0084          DTH =  0.0393          ITERR =    1
QU(1) =     7812.45     YU(1) =     1153.62  QU(N) =    54693.80  YU(N) =     871.61
FRDM=     0.71  IIFR=    64  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.008	7812.5	1153.62	1149.00	1121.51	1.00	250.0	7812.5	7812.5	0.0	0.0

```
TT =    5.0480          DTH =  0.0396          ITERR =    1
QU(1) =     7276.09     YU(1) =     1153.41  QU(N) =    52568.20  YU(N) =     871.57
FRDM=     0.71  IIFR=    64  FRM=0.04 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	5.048	7276.1	1153.41	1149.00	1121.45	1.00	250.0	7276.1	7276.1	0.0	0.0

```
TT =    5.0881          DTH =  0.0400          ITERR =    0
QU(1) =     6788.62     YU(1) =     1153.21  QU(N) =    50522.34  YU(N) =     871.52
FRDM=     0.71  IIFR=   64  FRM=0.04 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.088	6788.6	1153.21	1149.00	1121.38	1.00	250.0	6788.6	6788.6	0.0	0.0

```
TT =    5.1285          DTH =  0.0404          ITERR =    0
QU(1) =     6345.24     YU(1) =     1153.03  QU(N) =    48581.00  YU(N) =     871.48
FRDM=     0.71  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.128	6345.2	1153.03	1149.00	1121.32	1.00	250.0	6345.2	6345.2	0.0	0.0

```
TT =    5.1693          DTH =  0.0408          ITERR =    0
QU(1) =     5940.47     YU(1) =     1152.85  QU(N) =    46716.51  YU(N) =     871.44
FRDM=     0.71  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.169	5940.5	1152.85	1149.00	1121.26	1.00	250.0	5940.5	5940.5	0.0	0.0

```
TT =    5.2106          DTH =  0.0413          ITERR =    0
QU(1) =     5570.55     YU(1) =     1152.69  QU(N) =    44946.20  YU(N) =     871.40
FRDM=     0.71  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.211	5570.5	1152.69	1149.00	1121.21	1.00	250.0	5570.5	5570.5	0.0	0.0

```
TT =    5.2523          DTH =  0.0417          ITERR =    0
QU(1) =     5231.36     YU(1) =     1152.54  QU(N) =    43278.18  YU(N) =     871.36
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.252	5231.4	1152.54	1149.00	1121.16	1.00	250.0	5231.4	5231.4	0.0	0.0

```
TT =    5.2944          DTH =  0.0421          ITERR =    0
QU(1) =     4919.41     YU(1) =     1152.40  QU(N) =    41725.84  YU(N) =     871.33
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.294	4919.4	1152.40	1149.00	1121.11	1.00	250.0	4919.4	4919.4	0.0	0.0

```
TT =    5.3369          DTH =  0.0425          ITERR =    0
QU(1) =     4631.17     YU(1) =     1152.27  QU(N) =    40269.93  YU(N) =     871.29
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.337	4631.2	1152.27	1149.00	1121.06	1.00	250.0	4631.2	4631.2	0.0	0.0

```
TT =    5.3798          DTH =  0.0429          ITERR =    0
QU(1) =     4363.63     YU(1) =     1152.14  QU(N) =    38886.67  YU(N) =     871.26
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.380	4363.6	1152.14	1149.00	1121.02	1.00	250.0	4363.6	4363.6	0.0	0.0

```
TT =    5.4232          DTH =  0.0434          ITERR =    0
QU(1) =     4113.79     YU(1) =     1152.02  QU(N) =   37527.60  YU(N) =     871.23
FRDM=    0.72  IIFR=   64  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     5.423    4113.8   1152.02   1149.00   1120.98      1.00    250.0    4113.8    4113.8       0.0       0.0

TT =    5.4669          DTH =  0.0438          ITERR =    0
QU(1) =     3878.84     YU(1) =     1151.91  QU(N) =   36169.13  YU(N) =     871.20
FRDM=    0.72  IIFR=   64  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.467    3878.8   1151.91   1149.00   1120.94      1.00    250.0    3878.8    3878.8       0.0       0.0

TT =    5.5112          DTH =  0.0442          ITERR =    0
QU(1) =     3657.28     YU(1) =     1151.80  QU(N) =   34812.46  YU(N) =     871.16
FRDM=    0.72  IIFR=   64  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
I    0     5.511    3657.3   1151.80   1149.00   1120.90      1.00    250.0    3657.3    3657.3       0.0       0.0

TT =    5.5559          DTH =  0.0447          ITERR =    0
QU(1) =     3449.18     YU(1) =     1151.69  QU(N) =   33489.30  YU(N) =     871.13
FRDM=    0.72  IIFR=   64  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB       BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.556    3449.2   1151.69   1149.00   1120.86      1.00    250.0    3449.2    3449.2       0.0       0.0
```

```
TT =    5.6010          DTH =  0.0451          ITERR =   0
QU(1) =     3254.17     YU(1) =     1151.59  QU(N) =    32205.24  YU(N) =     871.10
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.601	3254.2	1151.59	1149.00	1120.82	1.00	250.0	3254.2	3254.2	0.0	0.0

```
TT =    5.6465          DTH =  0.0456          ITERR =   0
QU(1) =     3070.07     YU(1) =     1151.49  QU(N) =    30975.71  YU(N) =     871.06
FRDM=     0.72  IIFR=   64  FRM=0.03 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.647	3070.1	1151.49	1149.00	1120.79	1.00	250.0	3070.1	3070.1	0.0	0.0

```
TT =    5.6926          DTH =  0.0460          ITERR =   0
QU(1) =     2894.63     YU(1) =     1151.39  QU(N) =    29817.43  YU(N) =     871.03
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.693	2894.6	1151.39	1149.00	1120.75	1.00	250.0	2894.6	2894.6	0.0	0.0

```
TT =    5.7391          DTH =  0.0465          ITERR =   0
QU(1) =     2726.22     YU(1) =     1151.30  QU(N) =    28748.39  YU(N) =     871.01
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.739	2726.2	1151.30	1149.00	1120.72	1.00	250.0	2726.2	2726.2	0.0	0.0

```
TT =    5.7860          DTH =  0.0470          ITERR =    0
GU(1) =     2563.29     YU(1) =     1151.21  GU(N) =    27747.03  YU(N) =      870.98
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.786	2563.3	1151.21	1149.00	1120.68	1.00	250.0	2563.3	2563.3	0.0	0.0

```
TT =    5.8334          DTH =  0.0474          ITERR =    0
GU(1) =     2404.63     YU(1) =     1151.12  GU(N) =    26759.71  YU(N) =      870.95
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.833	2404.6	1151.12	1149.00	1120.65	1.00	250.0	2404.6	2404.6	0.0	0.0

```
TT =    5.8813          DTH =  0.0479          ITERR =    0
GU(1) =     2248.90     YU(1) =     1151.03  GU(N) =    25753.28  YU(N) =      870.92
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.881	2248.9	1151.03	1149.00	1120.61	1.00	250.0	2248.9	2248.9	0.0	0.0

```
TT =    5.9297          DTH =  0.0484          ITERR =    0
GU(1) =     2095.27     YU(1) =     1150.93  GU(N) =    24719.99  YU(N) =      870.89
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.930	2095.3	1150.93	1149.00	1120.58	1.00	250.0	2095.3	2095.3	0.0	0.0

```
TT =    5.9786          DTH =  0.0489          ITERR =    0
GU(1) =     1942.81     YU(1) =     1150.84  GU(N) =    23693.74  YU(N) =     870.87
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.979    1942.8   1150.84   1149.00   1120.54      1.00     250.0    1942.8    1942.8       0.0       0.0

TT =    6.0279          DTH =  0.0493          ITERR =    0
GU(1) =     1792.52     YU(1) =     1150.74  GU(N) =    22692.18  YU(N) =     870.84
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.028    1792.5   1150.74   1149.00   1120.50      1.00     250.0    1792.5    1792.5       0.0       0.0

TT =    6.0778          DTH =  0.0498          ITERR =    0
GU(1) =     1646.60     YU(1) =     1150.65  GU(N) =    21717.45  YU(N) =     870.81
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.078    1646.6   1150.65   1149.00   1120.47      1.00     250.0    1646.6    1646.6       0.0       0.0

TT =    6.1281          DTH =  0.0503          ITERR =    0
GU(1) =     1505.04     YU(1) =     1150.55  GU(N) =    20769.04  YU(N) =     870.78
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.128    1505.0   1150.55   1149.00   1120.43      1.00     250.0    1505.0    1505.0       0.0       0.0
```

```
TT =    6.1789          DTH =  0.0508          ITERR =    0
QU(1) =     1505.04     YU(1) =     1150.45  QU(N) =    19857.96  YU(N) =     870.75
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.179    1505.0   1150.45   1149.00   1120.43      1.00     250.0    1505.0    1505.0       0.0       0.0

TT =    6.2303          DTH =  0.0514          ITERR =    0
QU(1) =     1505.04     YU(1) =     1150.34  QU(N) =    18992.17  YU(N) =     870.72
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.230    1505.0   1150.34   1149.00   1120.43      1.00     250.0    1505.0    1505.0       0.0       0.0

TT =    6.2822          DTH =  0.0519          ITERR =    1
QU(1) =     1505.04     YU(1) =     1150.20  QU(N) =    18160.03  YU(N) =     870.70
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.282    1505.0   1150.20   1149.00   1120.43      1.00     250.0    1505.0    1505.0       0.0       0.0

TT =    6.3345          DTH =  0.0524          ITERR =    1
QU(1) =     1505.04     YU(1) =     1150.04  QU(N) =    17338.28  YU(N) =     870.67
FRDM=     0.72  IIFR=    64  FRM=0.02 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.335    1505.0   1150.04   1149.00   1120.43      1.00     250.0    1505.0    1505.0       0.0       0.0
```

```
TT =    6.3875          DTH =  0.0529          ITERR =    1
QU(1) =     1505.04     YU(1) =     1149.84  QU(N) =    16523.38  YU(N) =      870.64
FRDM=     0.72  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    1     6.387    1505.0   1149.84   1149.00   1120.43      1.00    250.0    1505.0    1505.0       0.0       0.0

TT =    6.4409          DTH =  0.0534          ITERR =    2
QU(1) =     1505.04     YU(1) =     1149.58  QU(N) =    15730.99  YU(N) =      870.62
FRDM=     0.71  IIFR=   64  FRM=0.03 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.441    1505.0   1149.58   1149.00   1120.43      1.00    250.0    1505.0    1505.0       0.0       0.0

TT =    6.4949          DTH =  0.0540          ITERR =    2
QU(1) =     1505.04     YU(1) =     1149.06  QU(N) =    14987.28  YU(N) =      870.59
FRDM=     0.71  IIFR=   64  FRM=0.04 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB        D       SUB       BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    2     6.495    1505.0   1149.06   1149.00   1120.43      1.00    250.0    1505.0    1505.0       0.0       0.0

ROUTING COMPLETED.

KTIME=  123     ALLOWABLE KTIME= 699          TT=    6.5
```

PROFILE OF CRESTS AND TIMES FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.000	1170.49	90056	3.263	1.65	0.00	0.00
0.379	1125.96	90056	3.513	8.88	0.00	0.00
0.386	1125.35	89830	3.513	8.83	0.00	0.00
0.394	1124.73	89599	3.513	8.78	0.00	0.00
0.401	1124.12	89366	3.513	8.73	0.00	0.00
0.409	1123.51	89131	3.513	8.68	0.00	0.00
0.416	1122.90	88893	3.513	8.63	0.00	0.00
0.424	1122.30	88654	3.538	8.59	0.00	0.00
0.431	1121.70	88415	3.538	8.54	0.00	0.00
0.438	1121.11	88385	3.538	8.49	0.00	0.00
0.446	1120.52	88491	3.538	8.45	0.00	0.00
0.453	1119.93	88576	3.538	8.40	0.00	0.00
0.461	1119.34	88643	3.538	8.36	0.00	0.00
0.468	1118.76	88693	3.538	8.32	0.00	0.00
0.476	1118.17	88725	3.538	8.29	0.00	0.00
0.483	1117.58	88742	3.538	8.25	0.00	0.00
0.490	1117.00	88743	3.538	8.22	0.00	0.00
0.498	1116.42	88730	3.538	8.18	0.00	0.00
0.505	1115.83	88703	3.538	8.15	0.00	0.00
0.513	1115.25	88662	3.538	8.11	0.00	0.00
0.520	1114.67	88610	3.538	8.08	0.00	0.00
0.528	1114.09	88545	3.538	8.05	0.00	0.00
0.535	1113.51	88469	3.538	8.01	0.00	0.00
0.542	1112.93	88383	3.538	7.98	0.00	0.00
0.550	1112.35	88286	3.538	7.95	0.00	0.00
0.557	1111.78	88179	3.538	7.91	0.00	0.00
0.565	1111.20	88063	3.538	7.88	0.00	0.00
0.572	1110.62	87937	3.538	7.85	0.00	0.00
0.580	1110.05	87803	3.538	7.82	0.00	0.00
0.587	1109.48	87661	3.563	7.79	0.00	0.00
0.595	1108.91	87542	3.563	7.76	0.00	0.00
0.602	1108.34	87612	3.563	7.73	0.00	0.00
0.609	1107.77	87672	3.563	7.70	0.00	0.00
0.617	1107.21	87721	3.563	7.67	0.00	0.00
0.624	1106.64	87759	3.563	7.64	0.00	0.00
0.632	1106.07	87787	3.563	7.62	0.00	0.00
0.639	1105.51	87805	3.563	7.59	0.00	0.00
0.647	1104.94	87812	3.563	7.57	0.00	0.00
0.654	1104.38	87807	3.563	7.55	0.00	0.00
0.661	1103.81	87793	3.563	7.53	0.00	0.00
0.669	1103.25	87768	3.563	7.51	0.00	0.00
0.676	1102.68	87733	3.563	7.49	0.00	0.00
0.684	1102.12	87688	3.563	7.47	0.00	0.00
0.691	1101.55	87632	3.563	7.45	0.00	0.00
0.699	1100.99	87567	3.563	7.43	0.00	0.00
0.706	1100.42	87491	3.563	7.41	0.00	0.00
0.713	1099.86	87405	3.563	7.39	0.00	0.00

0.721	1099.29	87310	3.563	7.37	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 88+00OVERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
0.728	1098.73	87205	3.563	7.35	0.00	0.00
0.736	1098.17	87090	3.588	7.33	0.00	0.00
0.743	1097.61	86965	3.588	7.31	0.00	0.00
0.751	1097.06	86909	3.588	7.28	0.00	0.00
0.758	1096.51	86964	3.588	7.25	0.00	0.00
0.834	1090.93	87003	3.588	7.18	0.00	0.00
0.909	1085.29	86401	3.613	7.22	0.00	0.00
0.985	1079.75	86433	3.613	7.10	0.00	0.00
1.060	1074.00	85903	3.638	7.43	0.00	0.00
1.136	1068.74	85926	3.638	6.77	0.00	0.00
1.190	1065.45	85478	3.663	6.65	0.00	0.00
1.244	1062.19	85478	3.663	6.55	0.00	0.00
1.298	1058.94	85311	3.663	6.48	0.00	0.00
1.353	1055.69	84931	3.688	6.42	0.00	0.00
1.407	1052.48	84990	3.688	6.33	0.00	0.00
1.461	1049.15	84678	3.688	6.52	0.00	0.00
1.515	1046.47	84510	3.713	5.43	0.00	0.00
1.563	1044.66	84347	3.713	5.15	0.00	0.00
1.610	1042.96	83921	3.738	4.87	0.00	0.00
1.658	1041.29	83919	3.738	4.68	0.00	0.00
1.705	1039.07	83593	3.738	5.77	0.00	0.00
1.737	1037.08	83542	3.763	5.72	0.00	0.00
1.768	1035.06	83582	3.763	5.76	0.00	0.00
1.800	1033.02	83511	3.763	5.85	0.00	0.00
1.831	1031.03	83320	3.763	5.90	0.00	0.00
1.863	1029.07	82991	3.799	5.89	0.00	0.00
1.894	1027.29	82943	3.799	5.48	0.00	0.00
2.083	1016.17	82328	3.835	6.25	0.00	0.00
2.110	1014.37	82359	3.835	6.22	0.00	0.00
2.137	1012.56	82317	3.835	6.22	0.00	0.00
2.164	1010.75	82205	3.835	6.24	0.00	0.00
2.192	1008.95	82022	3.835	6.28	0.00	0.00
2.219	1007.19	81762	3.871	6.31	0.00	0.00
2.246	1005.57	81809	3.871	6.17	0.00	0.00
2.273	1004.27	81842	3.871	5.60	0.00	0.00
2.320	1002.41	81724	3.871	5.16	0.00	0.00
2.367	1000.66	81357	3.908	4.85	0.00	0.00
2.415	998.98	81183	3.908	4.65	0.00	0.00
2.462	997.13	81154	3.908	4.89	0.00	0.00
2.476	996.53	81101	3.908	4.89	0.00	0.00
2.489	995.94	81027	3.908	4.88	0.00	0.00
2.503	995.34	80932	3.908	4.87	0.00	0.00
2.516	994.74	80815	3.908	4.87	0.00	0.00
2.530	994.15	80677	3.944	4.86	0.00	0.00
2.543	993.55	80604	3.944	4.85	0.00	0.00
2.557	992.95	80648	3.944	4.85	0.00	0.00
2.571	992.36	80674	3.944	4.84	0.00	0.00

2.584	991.75	80680	3.944	4.83	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 88+00OVERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
2.598	991.15	80665	3.944	4.81	0.00	0.00
2.611	990.55	80631	3.944	4.80	0.00	0.00
2.625	989.95	80576	3.944	4.78	0.00	0.00
2.638	989.36	80500	3.944	4.74	0.00	0.00
2.652	988.78	80402	3.944	4.68	0.00	0.00
2.660	988.46	80339	3.944	4.68	0.00	0.00
2.667	988.15	80270	3.980	4.68	0.00	0.00
2.675	987.83	80196	3.980	4.67	0.00	0.00
2.682	987.52	80115	3.980	4.66	0.00	0.00
2.690	987.21	80121	3.980	4.65	0.00	0.00
2.697	986.90	80145	3.980	4.64	0.00	0.00
2.705	986.59	80164	3.980	4.63	0.00	0.00
2.712	986.28	80178	3.980	4.62	0.00	0.00
2.720	985.98	80188	3.980	4.60	0.00	0.00
2.728	985.67	80192	3.980	4.58	0.00	0.00
2.735	985.37	80190	3.980	4.57	0.00	0.00
2.743	985.07	80183	3.980	4.55	0.00	0.00
2.750	984.77	80171	3.980	4.54	0.00	0.00
2.758	984.47	80154	3.980	4.52	0.00	0.00
2.765	984.17	80131	3.980	4.50	0.00	0.00
2.773	983.88	80104	3.980	4.48	0.00	0.00
2.781	983.58	80072	3.980	4.46	0.00	0.00
2.788	983.29	80034	3.980	4.45	0.00	0.00
2.796	982.99	79991	3.980	4.43	0.00	0.00
2.803	982.69	79944	3.980	4.42	0.00	0.00
2.811	982.39	79891	3.980	4.42	0.00	0.00
2.818	982.09	79834	3.980	4.42	0.00	0.00
2.826	981.79	79773	4.016	4.44	0.00	0.00
2.833	981.47	79707	4.016	4.48	0.00	0.00
2.841	981.13	79714	4.016	4.57	0.00	0.00
2.862	980.17	79778	4.016	4.56	0.00	0.00
2.883	979.20	79807	4.016	4.56	0.00	0.00
2.904	978.23	79799	4.016	4.55	0.00	0.00
2.925	977.25	79751	4.016	4.55	0.00	0.00
2.946	976.28	79665	4.016	4.54	0.00	0.00
2.967	975.30	79538	4.016	4.53	0.00	0.00
2.988	974.32	79369	4.053	4.52	0.00	0.00
3.009	973.34	79422	4.053	4.49	0.00	0.00
3.030	972.39	79469	4.053	4.42	0.00	0.00
3.220	964.09	79038	4.089	4.08	0.00	0.00
3.244	963.07	78945	4.089	4.09	0.00	0.00
3.267	962.05	78796	4.089	4.10	0.00	0.00
3.291	961.03	78682	4.125	4.10	0.00	0.00
3.314	960.01	78741	4.125	4.11	0.00	0.00
3.338	958.99	78752	4.125	4.13	0.00	0.00
3.362	957.97	78712	4.125	4.14	0.00	0.00
3.385	956.94	78625	4.125	4.17	0.00	0.00

3. 409	955. 86	78499	4. 125	4. 30	0. 00	0. 00

PROFILE OF CRESTS AND TIMES FOR STN. 88+000VERTOP
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE ********	MAX ELEV FEET ********	MAX FLOW CFS ********	TIME MAX ELEV-HRS ********	MAX VEL FPS ********	FLOOD ELEV FEET **********	TIME FLOOD ELEV-HRS **********
3.463	953.30	78456	4.161	4.27	0.00	0.00
3.517	950.74	78398	4.161	4.25	0.00	0.00
3.571	948.17	78124	4.198	4.23	0.00	0.00
3.626	945.60	78214	4.198	4.22	0.00	0.00
3.680	943.03	78048	4.198	4.18	0.00	0.00
3.734	940.45	77817	4.234	4.21	0.00	0.00
3.788	937.91	78033	4.234	4.12	0.00	0.00
3.851	935.08	77721	4.234	4.06	0.00	0.00
3.914	932.23	77456	4.270	4.05	0.00	0.00
3.977	929.41	78042	4.306	3.94	0.00	0.00
4.041	926.53	77897	4.270	4.01	0.00	0.00
4.104	923.82	77261	4.306	3.75	0.00	0.00
4.167	920.80	77669	4.198	4.18	0.00	0.00
4.356	910.95	77244	4.379	3.73	0.00	0.00
4.498	904.57	76989	4.415	3.82	0.00	0.00
4.640	898.27	76204	4.488	3.73	0.00	0.00
4.782	891.79	75877	4.488	4.03	0.00	0.00
4.924	885.63	75241	4.560	3.61	0.00	0.00
4.962	884.26	75251	4.560	3.63	0.00	0.00
5.000	882.90	75145	4.560	3.63	0.00	0.00
5.038	881.53	74898	4.596	3.64	0.00	0.00
5.076	880.16	74901	4.596	3.64	0.00	0.00
5.114	878.80	74561	4.596	3.66	0.00	0.00
5.151	877.43	74476	4.633	3.67	0.00	0.00
5.189	876.07	74441	4.633	3.65	0.00	0.00
5.227	874.71	74131	4.633	3.67	0.00	0.00
5.265	873.35	74387	4.633	3.62	0.00	0.00
5.303	871.95	74125	4.705	3.76	0.00	0.00

ANALYSIS OF THE DOWNSTREAM FLOOD HYDROGRAPH

PRODUCED BY THE DAM BREAK OF

FRS#3 MCFCD

ON

STN. 88+00PIPING

ANALYSIS BY

DAMES$MOORE PHOENIX
ARIZONA

BASED ON PROCEDURE DEVELOPED BY
DANNY L. FREAD, PH.D., SR. RESEARCH HYDROLOGIST

QUALITY CONTROL TESTING AND OTHER SUPPORT BY
JANICE M. LEWIS, RESEARCH HYDROLOGIST

HYDROLOGIC RESEARCH LABORATORY
W23, OFFICE OF HYDROLOGY
NOAA, NATIONAL WEATHER SERVICE
SILVER SPRING, MARYLAND 20910

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***  SUMMARY OF INPUT DATA  ***
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INPUT CONTROL PARAMETERS FOR FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF DYNAMIC ROUTING REACHES	KKN	1
TYPE OF RESERVOIR ROUTING	KUI	1
MULTIPLE DAM INDICATOR	MULDAM	1
PRINTING INSTRUCTIONS FOR INPUT SUMMARY	KDMP	3
NO. OF RESERVOIR INFLOW HYDROGRAPH POINTS	ITEH	16
INTERVAL OF CROSS-SECTION INFO PRINTED OUT WHEN JNX=9	NPRT	0
FLOOD-PLAIN MODEL PARAMETER	KFLP	0
METRIC INPUT/OUTPUT OPTION	METRIC	0

IDAM= 1

FRS#3 MCFCD RESERVOIR

TABLE OF ELEVATION VS SURFACE AREA

SURFACE AREA (ACRES) SA(K)	ELEVATION (FT) HSA(K)
410.0	1174.00
335.0	1170.00
298.0	1168.00
264.0	1166.00

210.0	1163.20
153.0	1160.00
78.0	1156.00
0.1	1149.00

DAM NUMBER 1

FRS#3 MCFCD RESERVOIR AND BREACH PARAMETERS

PARAMETER	UNITS	VARIABLE	VALUE
ELEVATION OF WATER SURFACE	FEET	YO	1163.20
SIDE SLOPE OF BREACH		Z	0.50
ELEVATION OF BOTTOM OF BREACH	FEET	YBMIN	1149.00
WIDTH OF BASE OF BREACH	FEET	BB	75.00
TIME TO MAXIMUM BREACH SIZE	HR	TFH	0.50
ELEVATION OF WATER WHEN BREACHED	FEET	HF	1163.20
ELEVATION OF TOP OF DAM	FEET	HD	1170.00
ELEVATION OF UNCONTROLLED SPILLWAY CREST	FEET	HSP	1163.20
ELEVATION OF CENTER OF GATE OPENINGS	FEET	HGT	0.00
DISCHARGE COEF. FOR UNCONTROLLED SPILLWAY		CS	1080.00
DISCHARGE COEF. FOR GATE FLOW		CG	0.00
DISCHARGE COEF. FOR UNCONTROLLED WEIR FLOW		CDO	-1152.00
DISCHARGE THRU TURBINES	CFS	QT	500.00

DHF(INTERVAL BETWEEN INPUT HYDROGRAPH ORDINATES) = 0.00 HRS.

TEH(TIME AT WHICH COMPUTATIONS TERMINATE)= 6.5000 HRS.

BREX(BREACH EXPONENT) = 0.000

MUD(MUD FLOW OPTION) = 0

IWF(TYPE OF WAVE FRONT TRACKING) = 0

KPRES(WETTED PERIMETER OPTION) = 0

KSL(LANDSLIDE PARAMETER) = 0

INFLOW HYDROGRAPH TO FRS#3 MCFCD
****

141.0	284.0	902.0	2656.0	4962.0	6555.0	8819.0	8149.0
4798.0	2677.0	1655.0	1089.0	863.0	746.0	545.0	446.0

TIME OF INFLOW HYDROGRAPH ORDINATES

0.0000	1.0000	1.5000	1.7500	2.0000	2.2500	2.5000	2.7500
3.0000	3.2500	3.5000	3.7500	4.0000	4.5000	5.5000	6.5000

CROSS-SECTIONAL PARAMETERS FOR STN. 88+00PIPING
BELOW FRS#3 MCFCD

PARAMETER	VARIABLE	VALUE
NUMBER OF CROSS-SECTIONS	NS	20
MAXIMUM NUMBER OF TOP WIDTHS	NCS	6
NUMBER OF CROSS-SECTIONAL HYDROGRAPHS TO PLOT	NTT	0
TYPE OF OUTPUT OTHER THAN HYDROGRAPH PLOTS	JNK	4
CROSS-SECTIONAL SMOOTHING PARAMETER	KSA	0
DOWNSTREAM SUPERCRITICAL OR NOT	KSUPC	3
NO. OF LATERAL INFLOW HYDROGRAPHS	LQ	0
NO. OF POINTS IN GATE CONTROL CURVE	KCG	0

CROSS-SECTIONAL VARIABLES FOR STN. 88+00PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
LOCATION OF CROSS-SECTION	MILE	XS(I)
ELEVATION(MSL) OF FLOODING AT CROSS-SECTION	FEET	FSTG(I)
ELEV CORRESPONDING TO EACH TOP WIDTH	FEET	HS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (ACTIVE FLOW PORTION)	FEET	BS(K,I)
TOP WIDTH CORRESPONDING TO EACH ELEV (OFF-CHANNEL PORTION)	FEET	BSS(K,I)
NUMBER OF CROSS-SECTION		I
NUMBER OF ELEVATION LEVEL		K

CROSS-SECTION NUMBER 1
****

XS(I) = 0.000 FSTG(I) = 0.00

HS ...	1144.0	1144.2	1146.0	1147.0	1148.0	1171.0
BS ...	0.0	30.0	500.0	1000.0	2000.0	3000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 2
****

XS(I) = 0.379 FSTG(I) = 0.00

HS ...	1119.0	1119.5	1120.0	1130.0	1140.0	1150.0
BS ...	0.0	30.0	800.0	3700.0	6000.0	7300.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 3
****

XS(I) = 0.758 FSTG(I) = 0.00

HS ...	1090.0	1090.5	1095.0	1100.0	1120.0	1130.0
BS ...	0.0	30.0	3000.0	6000.0	10800.0	12600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 4
****

XS(I) = 1.136 FSTG(I) = 0.00

HS ...	1063.0	1063.5	1065.0	1070.0	1080.0	1090.0
BS ...	0.0	30.0	2200.0	4200.0	9100.0	11200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 5
****

XS(I) = 1.515 FSTG(I) = 0.00

HS ...	1040.0	1040.5	1045.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	4000.0	7000.0	12200.0	14400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 6
****

XS(I) = 1.705 FSTG(I) = 0.00

HS ...	1034.0	1034.5	1040.0	1050.0	1060.0	1070.0
BS ...	0.0	30.0	7600.0	11600.0	15500.0	18200.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 7
****

XS(I) = 1.894 FSTG(I) = 0.00

HS ...	1022.0	1022.5	1025.0	1030.0	1040.0	1050.0
BS ...	0.0	30.0	3600.0	8200.0	12600.0	17800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 8
****

XS(I) = 2.083 FSTG(I) = 0.00

HS ...	1010.0	1010.5	1015.0	1020.0	1030.0	1040.0
BS ...	0.0	30.0	3600.0	9400.0	13300.0	17600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 9
****

XS(I) = 2.273 FSTG(I) = 0.00

HS ...	998.0	998.5	1000.0	1005.0	1010.0	1020.0
BS ...	0.0	30.0	2000.0	4500.0	9000.0	13400.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 10
****

XS(I) = 2.462 FSTG(I) = 0.00

HS ...	992.0	992.5	995.0	1000.0	1005.0	1010.0
BS ...	0.0	30.0	4200.0	9400.0	11400.0	14600.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 11
****

XS(I) = 2.652 FSTG(I) = 0.00

HS ...	984.0	984.5	985.0	990.0	995.0	1000.0
BS ...	0.0	30.0	2200.0	8000.0	11600.0	13800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 12
****

XS(I) = 2.841 FSTG(I) = 0.00

HS ...	977.0	977.5	980.0	985.0	990.0	995.0
BS ...	0.0	30.0	7100.0	11100.0	14400.0	17000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 13
****

XS(I) = 3.030 FSTG(I) = 0.00

HS ...	969.0	969.5	970.0	975.0	980.0	985.0
BS ...	0.0	30.0	5700.0	10800.0	15000.0	17500.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 14
****

XS(I) = 3.220 FSTG(I) = 0.00

HS ...	961.0	961.5	962.0	965.0	970.0	980.0
BS ...	0.0	30.0	7400.0	10200.0	15800.0	19800.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 15
****

XS(I) = 3.409 FSTG(I) = 0.00

HS ...	952.0	952.5	955.0	960.0	965.0	970.0
BS ...	0.0	30.0	8400.0	14400.0	17600.0	20000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 16
****

XS(I) = 3.788 FSTG(I) = 0.00

HS ...	935.0	935.5	936.0	940.0	945.0	950.0
BS ...	0.0	30.0	8000.0	11600.0	16600.0	21000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 17
****

XS(I) = 4.167 FSTG(I) = 0.00

HS ...	918.0	918.5	920.0	925.0	930.0	935.0
BS ...	0.0	30.0	12200.0	14300.0	18800.0	20900.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 18
****

XS(I) = 4.356 FSTG(I) = 0.00

HS ...	908.0	908.5	910.0	915.0	920.0	925.0
BS ...	0.0	30.0	12000.0	15000.0	17800.0	19000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 19
****

XS(I) = 4.924 FSTG(I) = 0.00

HS ...	882.0	882.5	885.0	890.0	895.0	900.0
BS ...	0.0	30.0	11000.0	14900.0	17600.0	19700.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

CROSS-SECTION NUMBER 20
****

XS(I) = 5.303 FSTG(I) = 0.00

HS ...	869.0	869.5	870.0	872.5	875.0	880.0
BS ...	0.0	30.0	8300.0	10900.0	13500.0	18000.0
BSS ...	0.0	0.0	0.0	0.0	0.0	0.0

MANNING N ROUGHNESS COEFFICIENTS FOR THE GIVEN REACHES
(CM(K,I),K=1,NCS) WHERE I = REACH NUMBER
****

REACH 1 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 2 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 3 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 4 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 5 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 6 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 7 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 8 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 9 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 10 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 11 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 12 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 13 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 14 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 15 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 16 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 17 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 18 ...	0.040	0.045	0.050	0.055	0.055	0.055
REACH 19 ...	0.040	0.045	0.050	0.055	0.055	0.055

CROSS-SECTIONAL VARIABLES FOR STN. 88+00PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE
MINIMUM COMPUTATIONAL DISTANCE USED BETWEEN CROSS-SECTIONS	MILE	DXM(I)
CONTRACTION - EXPANSION COEFFICIENTS BETWEEN CROSS-SECTIONS		FKC(I)

REACH NUMBER	DXM(I)	FKC(I)
1	0.000	-1.000
2	0.000	-1.000
3	0.000	-1.000
4	0.000	-1.000
5	0.000	-1.000
6	0.000	-1.000
7	0.000	-1.000
8	0.000	-1.000
9	0.000	-1.000
10	0.000	-1.000
11	0.000	-1.000
12	0.000	-1.000
13	0.000	-1.000
14	0.000	-1.000
15	0.000	-1.000
16	0.000	-1.000
17	0.000	-1.000
18	0.000	-1.000

DOWNSTREAM FLOW PARAMETERS FOR STN 88+00PIPING
BELOW FRS#3 MCFCD

PARAMETER	UNITS	VARIABLE	VALUE
MAX DISCHARGE AT DOWNSTREAM EXTREMITY	CFS	QMAXD	0.0
MAX LATERAL OUTFLOW PRODUCING LOSSES	CFS /FEET	QLL	0.000
INITIAL SIZE OF TIME STEP	HOUR	DTHM	0.0000
INITIAL WATER SURFACE ELEVATION DOWNSTREAM	FEET	YDN	0.01
SLOPE OF CHANNEL DOWNSTREAM OF DAM	FPM	SOM	0.00
THETA WEIGHTING FACTOR		THETA	0.00
CONVERGENCE CRITERION FOR STAGE	FEET	EPSY	0.100
TIME AT WHICH DAM STARTS TO FAIL	HOUR	TFI	0.00

AT REACH= 2 DXM WAS CHANGED TO 0.007 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 3 DXM WAS CHANGED TO 0.065 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 4 DXM WAS CHANGED TO 0.051 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 5 DXM WAS CHANGED TO 0.046 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 6 DXM WAS CHANGED TO 0.028 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 7 DXM WAS CHANGED TO 0.113 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 8 DXM WAS CHANGED TO 0.025 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 9 DXM WAS CHANGED TO 0.045 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 10 DXM WAS CHANGED TO 0.013 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 11 DXM WAS CHANGED TO 0.008 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 12 DXM WAS CHANGED TO 0.021 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 13 DXM WAS CHANGED TO 0.114 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 14 DXM WAS CHANGED TO 0.023 DUE TO EXP/CONTRACT CRITERIA
AT REACH= 15 DXM WAS CHANGED TO 0.051 DUE TO EXP/CONTRACT CRITERIA

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AT REACH=   16  DXM WAS CHANGED TO 0.057  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.341  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   19  DXM WAS CHANGED TO 0.038  DUE TO EXP/CONTRACT CRITERIA
AT REACH=   13  DXM WAS CHANGED TO 0.086  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   17  DXM WAS CHANGED TO 0.081  DUE TO (WAVE SPEED * DT) CRITERIA
AT REACH=   18  DXM WAS CHANGED TO 0.089  DUE TO (WAVE SPEED * DT) CRITERIA

COMPUTATIONS WILL USE THE FOLLOWING DXM VALUES
101.000   0.007   0.065   0.051   0.046   0.028   0.113   0.025   0.045   0.013   0.008   0.021   0.086   0.023   0.051
  0.057   0.081   0.089   0.038

TOTAL NUMBER OF CROSS SECTIONS (ORIGINAL+INTERPOLATED) (N) =   176     (MAXIMUM ALLOWABLE =   200
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***                           ***
***  SUMMARY OF OUTPUT DATA   ***
***                           ***
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CROSS-SECTION NO.	MILE	BOTTOM ELEVATION FEET	REACH NO.	REACH LENGTH MILE	SLOPE FPM	MESAGE
1	0.00	1144.00				
2	0.38	1119.00	1	0.38	65.96	
3	0.76	1090.00	2	0.38	76.52	
4	1.14	1063.00	3	0.38	71.43	
5	1.51	1040.00	4	0.38	60.69	
6	1.71	1034.00	5	0.19	31.58	
7	1.89	1022.00	6	0.19	63.49	
8	2.08	1010.00	7	0.19	63.49	
9	2.27	998.00	8	0.19	63.16	
10	2.46	992.00	9	0.19	31.75	
11	2.65	984.00	10	0.19	42.11	
12	2.84	977.00	11	0.19	37.04	
13	3.03	969.00	12	0.19	42.33	
14	3.22	961.00	13	0.19	42.11	
15	3.41	952.00	14	0.19	47.62	
16	3.79	935.00	15	0.38	44.85	
17	4.17	918.00	16	0.38	44.85	
18	4.36	908.00	17	0.19	52.91	
19	4.92	882.00	18	0.57	45.77	
20	5.30	869.00	19	0.38	34.30	

RE-NUMBERED VALUES FOR IDAM

IDAM(1) = 1

SNC(K,1)= 1.00 1.00 1.00 1.00 1.00 1.00

INITIAL CONDITIONS

I=	1	X=	0.000	YN=	1145.71	DEPN=	1.71	YC=	1145.06	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	2	X=	0.379	YN=	1120.04	DEPN=	1.04	YC=	1119.95	DEPC=	0.95	IFR=	0	ITN=	11	ITC=	11
I=	3	X=	0.386	YN=	1119.54	DEPN=	1.10	YC=	1119.40	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	4	X=	0.394	YN=	1119.00	DEPN=	1.14	YC=	1118.85	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	5	X=	0.401	YN=	1118.44	DEPN=	1.15	YC=	1118.29	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	6	X=	0.409	YN=	1117.88	DEPN=	1.15	YC=	1117.72	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	7	X=	0.416	YN=	1117.32	DEPN=	1.16	YC=	1117.16	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	8	X=	0.424	YN=	1116.75	DEPN=	1.17	YC=	1116.60	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	9	X=	0.431	YN=	1116.19	DEPN=	1.17	YC=	1116.05	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	10	X=	0.438	YN=	1115.63	DEPN=	1.18	YC=	1115.49	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	11	X=	0.446	YN=	1115.07	DEPN=	1.19	YC=	1114.92	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	12	X=	0.453	YN=	1114.51	DEPN=	1.19	YC=	1114.36	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	13	X=	0.461	YN=	1113.94	DEPN=	1.20	YC=	1113.80	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	14	X=	0.468	YN=	1113.38	DEPN=	1.20	YC=	1113.22	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	15	X=	0.476	YN=	1112.82	DEPN=	1.21	YC=	1112.66	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	[illegible]	[illegible]	[illegible]	[illegible]	1112.26	DEPN=	1.22	YC=	1112.09	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11

I=	17	X=	0.490	YN=	1111.69	DEPN=	1.22	YC=	1111.53	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	18	X=	0.498	YN=	1111.12	DEPN=	1.21	YC=	1110.97	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	19	X=	0.505	YN=	1110.55	DEPN=	1.22	YC=	1110.40	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	20	X=	0.513	YN=	1109.99	DEPN=	1.23	YC=	1109.84	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	21	X=	0.520	YN=	1109.43	DEPN=	1.23	YC=	1109.26	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	22	X=	0.528	YN=	1108.87	DEPN=	1.24	YC=	1108.70	DEPC=	1.07	IFR=	0	ITN=	11	ITC=	11
I=	23	X=	0.535	YN=	1108.29	DEPN=	1.23	YC=	1108.14	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	24	X=	0.542	YN=	1107.73	DEPN=	1.23	YC=	1107.57	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	25	X=	0.550	YN=	1107.16	DEPN=	1.24	YC=	1107.01	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	26	X=	0.557	YN=	1106.60	DEPN=	1.25	YC=	1106.43	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	27	X=	0.565	YN=	1106.02	DEPN=	1.24	YC=	1105.87	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	28	X=	0.572	YN=	1105.46	DEPN=	1.24	YC=	1105.30	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	29	X=	0.580	YN=	1104.90	DEPN=	1.25	YC=	1104.74	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	30	X=	0.587	YN=	1104.33	DEPN=	1.26	YC=	1104.18	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	31	X=	0.595	YN=	1103.75	DEPN=	1.24	YC=	1103.59	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	32	X=	0.602	YN=	1103.19	DEPN=	1.25	YC=	1103.03	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	33	X=	0.609	YN=	1102.63	DEPN=	1.26	YC=	1102.47	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	34	X=	0.617	YN=	1102.07	DEPN=	1.26	YC=	1101.90	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	35	X=	0.624	YN=	1101.49	DEPN=	1.25	YC=	1101.34	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	36	X=	0.632	YN=	1100.92	DEPN=	1.26	YC=	1100.76	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	37	X=	0.639	YN=	1100.36	DEPN=	1.26	YC=	1100.20	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	38	X=	0.647	YN=	1099.80	DEPN=	1.27	YC=	1099.63	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	39	X=	0.654	YN=	1099.22	DEPN=	1.26	YC=	1099.07	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	40	X=	0.661	YN=	1098.65	DEPN=	1.26	YC=	1098.49	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	41	X=	0.669	YN=	1098.09	DEPN=	1.27	YC=	1097.92	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	42	X=	0.676	YN=	1097.51	DEPN=	1.25	YC=	1097.36	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	43	X=	0.684	YN=	1096.95	DEPN=	1.26	YC=	1096.80	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	44	X=	0.691	YN=	1096.38	DEPN=	1.27	YC=	1096.22	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	45	X=	0.699	YN=	1095.82	DEPN=	1.27	YC=	1095.65	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	46	X=	0.706	YN=	1095.24	DEPN=	1.26	YC=	1095.09	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	47	X=	0.713	YN=	1094.68	DEPN=	1.26	YC=	1094.52	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	48	X=	0.721	YN=	1094.11	DEPN=	1.27	YC=	1093.96	DEPC=	1.12	IFR=	0	ITN=	11	ITC=	11
I=	49	X=	0.728	YN=	1093.55	DEPN=	1.28	YC=	1093.38	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	50	X=	0.736	YN=	1092.97	DEPN=	1.26	YC=	1092.81	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	51	X=	0.743	YN=	1092.41	DEPN=	1.27	YC=	1092.25	DEPC=	1.11	IFR=	0	ITN=	11	ITC=	11
I=	52	X=	0.751	YN=	1091.84	DEPN=	1.27	YC=	1091.69	DEPC=	1.12	IFR=	0	ITN=	11	ITC=	11
I=	53	X=	0.758	YN=	1091.30	DEPN=	1.30	YC=	1091.10	DEPC=	1.10	IFR=	0	ITN=	11	ITC=	11
I=	54	X=	0.834	YN=	1085.87	DEPN=	1.27	YC=	1085.69	DEPC=	1.09	IFR=	0	ITN=	11	ITC=	11
I=	55	X=	0.909	YN=	1080.43	DEPN=	1.23	YC=	1080.28	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11
I=	56	X=	0.985	YN=	1075.00	DEPN=	1.20	YC=	1074.85	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	57	X=	1.060	YN=	1069.56	DEPN=	1.16	YC=	1069.40	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	58	X=	1.136	YN=	1064.09	DEPN=	1.09	YC=	1063.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	59	X=	1.190	YN=	1060.87	DEPN=	1.16	YC=	1060.70	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	60	X=	1.244	YN=	1057.61	DEPN=	1.18	YC=	1057.43	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	61	X=	1.298	YN=	1054.34	DEPN=	1.19	YC=	1054.16	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	62	X=	1.353	YN=	1051.06	DEPN=	1.20	YC=	1050.89	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	63	X=	1.407	YN=	1047.79	DEPN=	1.22	YC=	1047.60	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	64	X=	1.461	YN=	1044.51	DEPN=	1.22	YC=	1044.33	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	65	X=	1.515	YN=	1041.33	DEPN=	1.33	YC=	1041.05	DEPC=	1.05	IFR=	0	ITN=	11	ITC=	11
I=	66	X=	1.563	YN=	1039.80	DEPN=	1.30	YC=	1039.52	DEPC=	1.02	IFR=	0	ITN=	11	ITC=	11
I=	67	X=	1.610	YN=	1038.26	DEPN=	1.26	YC=	1038.01	DEPC=	1.01	IFR=	0	ITN=	11	ITC=	11
I=	68	X=	1.658	YN=	1036.74	DEPN=	1.24	YC=	1036.49	DEPC=	0.99	IFR=	0	ITN=	11	ITC=	11
I=	69	X=	1.705	YN=	1035.12	DEPN=	1.12	YC=	1034.98	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	70	X=	1.737	YN=	1033.13	DEPN=	1.13	YC=	1032.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	71	X=	1.768	YN=	1031.12	DEPN=	1.12	YC=	1030.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	72	X=	1.800	YN=	1029.12	DEPN=	1.12	YC=	1028.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	73	X=	1.831	YN=	1027.12	DEPN=	1.12	YC=	1026.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	74	X=	1.863	YN=	1025.12	DEPN=	1.12	YC=	1024.97	DEPC=	0.97	IFR=	0	ITN=	11	ITC=	11
I=	75	X=	1.894	YN=	1023.16	DEPN=	1.16	YC=	1022.96	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	[illegible]	[illegible]	[illegible]	[illegible]	1021.20	DEPN=	[illegible]	YC=	[illegible]	DEPC=	1.08	IFR=	0	ITN=	11	ITC=	11

I=	77	X=	2.110	YN=	1009.53	DEPN=	1.25	YC=	1009.35	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	78	X=	2.137	YN=	1007.81	DEPN=	1.24	YC=	1007.63	DEPC=	1.06	IFR=	0	ITN=	11	ITC=	11
I=	79	X=	2.164	YN=	1006.08	DEPN=	1.23	YC=	1005.90	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	80	X=	2.192	YN=	1004.35	DEPN=	1.21	YC=	1004.18	DEPC=	1.04	IFR=	0	ITN=	11	ITC=	11
I=	81	X=	2.219	YN=	1002.62	DEPN=	1.19	YC=	1002.45	DEPC=	1.03	IFR=	0	ITN=	11	ITC=	11
I=	82	X=	2.246	YN=	1000.88	DEPN=	1.17	YC=	1000.71	DEPC=	1.00	IFR=	0	ITN=	11	ITC=	11
I=	83	X=	2.273	YN=	999.23	DEPN=	1.23	YC=	998.98	DEPC=	0.98	IFR=	0	ITN=	11	ITC=	11
I=	84	X=	2.320	YN=	997.72	DEPN=	1.22	YC=	997.46	DEPC=	0.96	IFR=	0	ITN=	11	ITC=	11
I=	85	X=	2.367	YN=	996.20	DEPN=	1.20	YC=	995.95	DEPC=	0.95	IFR=	0	ITN=	10	ITC=	10
I=	86	X=	2.415	YN=	994.68	DEPN=	1.18	YC=	994.44	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	87	X=	2.462	YN=	993.13	DEPN=	1.13	YC=	992.94	DEPC=	0.94	IFR=	0	ITN=	10	ITC=	10
I=	88	X=	2.476	YN=	992.55	DEPN=	1.12	YC=	992.36	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	89	X=	2.489	YN=	991.97	DEPN=	1.12	YC=	991.78	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	90	X=	2.503	YN=	991.41	DEPN=	1.12	YC=	991.20	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	91	X=	2.516	YN=	990.83	DEPN=	1.11	YC=	990.64	DEPC=	0.93	IFR=	0	ITN=	10	ITC=	10
I=	92	X=	2.530	YN=	990.25	DEPN=	1.11	YC=	990.06	DEPC=	0.92	IFR=	0	ITN=	10	ITC=	10
I=	93	X=	2.543	YN=	989.67	DEPN=	1.10	YC=	989.48	DEPC=	0.91	IFR=	0	ITN=	10	ITC=	10
I=	94	X=	2.557	YN=	989.09	DEPN=	1.09	YC=	988.90	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	95	X=	2.571	YN=	988.51	DEPN=	1.08	YC=	988.33	DEPC=	0.90	IFR=	0	ITN=	10	ITC=	10
I=	96	X=	2.584	YN=	987.93	DEPN=	1.07	YC=	987.75	DEPC=	0.89	IFR=	0	ITN=	10	ITC=	10
I=	97	X=	2.598	YN=	987.33	DEPN=	1.04	YC=	987.15	DEPC=	0.87	IFR=	0	ITN=	10	ITC=	10
I=	98	X=	2.611	YN=	986.75	DEPN=	1.03	YC=	986.57	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	99	X=	2.625	YN=	986.15	DEPN=	1.01	YC=	985.99	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	100	X=	2.638	YN=	985.56	DEPN=	0.99	YC=	985.40	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	101	X=	2.652	YN=	984.96	DEPN=	0.96	YC=	984.80	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	102	X=	2.660	YN=	984.70	DEPN=	0.98	YC=	984.53	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	103	X=	2.667	YN=	984.43	DEPN=	0.99	YC=	984.25	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	104	X=	2.675	YN=	984.15	DEPN=	0.99	YC=	983.98	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	105	X=	2.682	YN=	983.88	DEPN=	1.00	YC=	983.70	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	106	X=	2.690	YN=	983.60	DEPN=	1.00	YC=	983.42	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	107	X=	2.697	YN=	983.33	DEPN=	1.01	YC=	983.15	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	108	X=	2.705	YN=	983.05	DEPN=	1.01	YC=	982.87	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	109	X=	2.712	YN=	982.78	DEPN=	1.02	YC=	982.60	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	110	X=	2.720	YN=	982.50	DEPN=	1.02	YC=	982.32	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	111	X=	2.728	YN=	982.23	DEPN=	1.03	YC=	982.04	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	112	X=	2.735	YN=	981.93	DEPN=	1.01	YC=	981.77	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	113	X=	2.743	YN=	981.66	DEPN=	1.02	YC=	981.49	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	114	X=	2.750	YN=	981.38	DEPN=	1.02	YC=	981.22	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	115	X=	2.758	YN=	981.11	DEPN=	1.03	YC=	980.92	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	116	X=	2.765	YN=	980.83	DEPN=	1.03	YC=	980.65	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	117	X=	2.773	YN=	980.56	DEPN=	1.04	YC=	980.37	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	118	X=	2.781	YN=	980.27	DEPN=	1.03	YC=	980.10	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	119	X=	2.788	YN=	979.99	DEPN=	1.03	YC=	979.82	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	120	X=	2.796	YN=	979.72	DEPN=	1.04	YC=	979.53	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	121	X=	2.803	YN=	979.44	DEPN=	1.04	YC=	979.25	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	122	X=	2.811	YN=	979.15	DEPN=	1.03	YC=	978.97	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	123	X=	2.818	YN=	978.87	DEPN=	1.03	YC=	978.70	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	124	X=	2.826	YN=	978.60	DEPN=	1.04	YC=	978.42	DEPC=	0.86	IFR=	0	ITN=	10	ITC=	10
I=	125	X=	2.833	YN=	978.32	DEPN=	1.04	YC=	978.15	DEPC=	0.87	IFR=	0	ITN=	10	ITC=	10
I=	126	X=	2.841	YN=	978.03	DEPN=	1.03	YC=	977.85	DEPC=	0.85	IFR=	0	ITN=	10	ITC=	10
I=	127	X=	2.862	YN=	977.13	DEPN=	1.02	YC=	976.95	DEPC=	0.84	IFR=	0	ITN=	10	ITC=	10
I=	128	X=	2.883	YN=	976.23	DEPN=	1.00	YC=	976.05	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	129	X=	2.904	YN=	975.31	DEPN=	0.97	YC=	975.15	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	130	X=	2.925	YN=	974.41	DEPN=	0.96	YC=	974.25	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	131	X=	2.946	YN=	973.50	DEPN=	0.95	YC=	973.36	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	132	X=	2.967	YN=	972.59	DEPN=	0.92	YC=	972.46	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	133	X=	2.988	YN=	971.67	DEPN=	0.89	YC=	971.54	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	134	X=	3.009	YN=	970.75	DEPN=	0.86	YC=	970.63	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	135	X=	3.030	YN=	969.84	DEPN=	0.84	YC=	969.71	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.69	IFR=	0	ITN=	10	ITC=	10

I=	137	X=	3.220	YN=	961.77	DEPN=	0.77	YC=	961.70	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	138	X=	3.244	YN=	960.70	DEPN=	0.82	YC=	960.60	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	139	X=	3.267	YN=	959.60	DEPN=	0.85	YC=	959.49	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	140	X=	3.291	YN=	958.51	DEPN=	0.88	YC=	958.40	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	141	X=	3.314	YN=	957.41	DEPN=	0.91	YC=	957.29	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	142	X=	3.338	YN=	956.30	DEPN=	0.92	YC=	956.17	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	143	X=	3.362	YN=	955.20	DEPN=	0.95	YC=	955.06	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	144	X=	3.385	YN=	954.09	DEPN=	0.96	YC=	953.95	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	145	X=	3.409	YN=	952.99	DEPN=	0.99	YC=	952.84	DEPC=	0.83	IFR=	0	ITN=	10	ITC=	10
I=	146	X=	3.463	YN=	950.54	DEPN=	0.97	YC=	950.39	DEPC=	0.82	IFR=	0	ITN=	10	ITC=	10
I=	147	X=	3.517	YN=	948.09	DEPN=	0.95	YC=	947.95	DEPC=	0.81	IFR=	0	ITN=	10	ITC=	10
I=	148	X=	3.571	YN=	945.64	DEPN=	0.92	YC=	945.51	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	149	X=	3.626	YN=	943.18	DEPN=	0.90	YC=	943.06	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	150	X=	3.680	YN=	940.72	DEPN=	0.86	YC=	940.61	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	151	X=	3.734	YN=	938.25	DEPN=	0.82	YC=	938.14	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	152	X=	3.788	YN=	935.78	DEPN=	0.78	YC=	935.68	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10
I=	153	X=	3.851	YN=	932.97	DEPN=	0.80	YC=	932.86	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	154	X=	3.914	YN=	930.15	DEPN=	0.82	YC=	930.04	DEPC=	0.71	IFR=	0	ITN=	10	ITC=	10
I=	155	X=	3.977	YN=	927.34	DEPN=	0.84	YC=	927.23	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	156	X=	4.041	YN=	924.50	DEPN=	0.84	YC=	924.39	DEPC=	0.73	IFR=	0	ITN=	10	ITC=	10
I=	157	X=	4.104	YN=	921.69	DEPN=	0.85	YC=	921.57	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	158	X=	4.167	YN=	918.85	DEPN=	0.85	YC=	918.74	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	159	X=	4.261	YN=	913.84	DEPN=	0.84	YC=	913.74	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	160	X=	4.356	YN=	908.85	DEPN=	0.85	YC=	908.74	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	161	X=	4.451	YN=	904.53	DEPN=	0.86	YC=	904.41	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	162	X=	4.545	YN=	900.22	DEPN=	0.89	YC=	900.10	DEPC=	0.77	IFR=	0	ITN=	10	ITC=	10
I=	163	X=	4.640	YN=	895.90	DEPN=	0.90	YC=	895.78	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	164	X=	4.735	YN=	891.57	DEPN=	0.91	YC=	891.45	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	165	X=	4.829	YN=	887.27	DEPN=	0.93	YC=	887.13	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	166	X=	4.924	YN=	882.94	DEPN=	0.94	YC=	882.80	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	167	X=	4.962	YN=	881.65	DEPN=	0.95	YC=	881.50	DEPC=	0.80	IFR=	0	ITN=	10	ITC=	10
I=	168	X=	5.000	YN=	880.35	DEPN=	0.95	YC=	880.19	DEPC=	0.79	IFR=	0	ITN=	10	ITC=	10
I=	169	X=	5.038	YN=	879.04	DEPN=	0.94	YC=	878.88	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	170	X=	5.076	YN=	877.73	DEPN=	0.93	YC=	877.58	DEPC=	0.78	IFR=	0	ITN=	10	ITC=	10
I=	171	X=	5.113	YN=	876.40	DEPN=	0.90	YC=	876.26	DEPC=	0.76	IFR=	0	ITN=	10	ITC=	10
I=	172	X=	5.151	YN=	875.10	DEPN=	0.90	YC=	874.95	DEPC=	0.75	IFR=	0	ITN=	10	ITC=	10
I=	173	X=	5.189	YN=	873.78	DEPN=	0.88	YC=	873.64	DEPC=	0.74	IFR=	0	ITN=	10	ITC=	10
I=	174	X=	5.227	YN=	872.45	DEPN=	0.85	YC=	872.32	DEPC=	0.72	IFR=	0	ITN=	10	ITC=	10
I=	175	X=	5.265	YN=	871.12	DEPN=	0.82	YC=	871.00	DEPC=	0.70	IFR=	0	ITN=	10	ITC=	10
I=	176	X=	5.303	YN=	869.78	DEPN=	0.78	YC=	869.68	DEPC=	0.68	IFR=	0	ITN=	10	ITC=	10

(IFR(I), I=1, N)

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

0 0 0 0 0 0

IN= 176 YNN= 869.78 DEP= 0.78

I=	175	X=	5.265	QIL=	500.	YIL=	871.13	DEP=	0.83	ITB=	5
I=	174	X=	5.227	QIL=	500.	YIL=	872.44	DEP=	0.84	ITB=	5
I=	173	X=	5.189	QIL=	500.	YIL=	873.78	DEP=	0.88	ITB=	5
I=	172	X=	5.151	QIL=	500.	YIL=	875.08	DEP=	0.88	ITB=	5
I=	171	X=	5.113	QIL=	500.	YIL=	876.41	DEP=	0.91	ITB=	5
I=	170	X=	5.076	QIL=	500.	YIL=	877.71	DEP=	0.91	ITB=	5
I=	169	X=	5.038	QIL=	500.	YIL=	879.04	DEP=	0.94	ITB=	5
I=	168	X=	5.000	QIL=	500.	YIL=	880.34	DEP=	0.94	ITB=	5
I=	167	X=	4.962	QIL=	500.	YIL=	881.66	DEP=	0.96	ITB=	5
I=	166	X=	4.924	QIL=	500.	YIL=	882.96	DEP=	0.96	ITB=	5
I=	165	X=	4.829	QIL=	500.	YIL=	887.24	DEP=	0.91	ITB=	4
I=	164	X=	4.735	QIL=	500.	YIL=	891.60	DEP=	0.93	ITB=	5
I=	163	X=	4.640	QIL=	500.	YIL=	895.88	DEP=	0.88	ITB=	4
I=	162	X=	4.545	QIL=	500.	YIL=	900.23	DEP=	0.90	ITB=	5
I=	161	X=	4.451	QIL=	500.	YIL=	904.52	DEP=	0.86	ITB=	5
I=	160	X=	4.356	QIL=	500.	YIL=	908.87	DEP=	0.87	ITB=	5
I=	159	X=	4.261	QIL=	500.	YIL=	913.82	DEP=	0.82	ITB=	5
I=	158	X=	4.167	QIL=	500.	YIL=	918.86	DEP=	0.86	ITB=	5
I=	157	X=	4.104	QIL=	500.	YIL=	921.67	DEP=	0.84	ITB=	5
I=	156	X=	4.041	QIL=	500.	YIL=	924.51	DEP=	0.84	ITB=	4
I=	155	X=	3.977	QIL=	500.	YIL=	927.32	DEP=	0.82	ITB=	4
I=	154	X=	3.914	QIL=	500.	YIL=	930.15	DEP=	0.82	ITB=	5
I=	153	X=	3.851	QIL=	500.	YIL=	932.96	DEP=	0.80	ITB=	5
I=	152	X=	3.788	QIL=	500.	YIL=	935.78	DEP=	0.78	ITB=	4
I=	151	X=	3.734	QIL=	500.	YIL=	938.25	DEP=	0.82	ITB=	5
I=	150	X=	3.680	QIL=	500.	YIL=	940.72	DEP=	0.87	ITB=	4
I=	149	X=	3.626	QIL=	500.	YIL=	943.18	DEP=	0.89	ITB=	5
I=	148	X=	3.571	QIL=	500.	YIL=	945.64	DEP=	0.92	ITB=	5
I=	147	X=	3.517	QIL=	500.	YIL=	948.09	DEP=	0.94	ITB=	5
I=	146	X=	3.463	QIL=	500.	YIL=	950.54	DEP=	0.97	ITB=	5
I=	145	X=	3.409	QIL=	500.	YIL=	952.98	DEP=	0.98	ITB=	5
I=	144	X=	3.385	QIL=	500.	YIL=	954.09	DEP=	0.97	ITB=	5
I=	143	X=	3.362	QIL=	500.	YIL=	955.20	DEP=	0.95	ITB=	5
I=	142	X=	3.338	QIL=	500.	YIL=	956.31	DEP=	0.93	ITB=	5
I=	141	X=	3.314	QIL=	500.	YIL=	957.41	DEP=	0.91	ITB=	5
I=	140	X=	3.291	QIL=	500.	YIL=	958.51	DEP=	0.89	ITB=	5
I=	139	X=	3.267	QIL=	500.	YIL=	959.61	DEP=	0.86	ITB=	5
I=	138	X=	3.244	QIL=	500.	YIL=	960.70	DEP=	0.83	ITB=	5
I=	137	X=	3.220	QIL=	500.	YIL=	961.79	DEP=	0.79	ITB=	5
I=	136	X=	3.125	QIL=	500.	YIL=	965.81	DEP=	0.81	ITB=	4
I=	135	X=	3.030	QIL=	500.	YIL=	969.82	DEP=	0.82	ITB=	4
I=	134	X=	3.009	QIL=	500.	YIL=	970.75	DEP=	0.86	ITB=	5
I=	133	X=	2.988	QIL=	500.	YIL=	971.67	DEP=	0.89	ITB=	5
I=	132	X=	2.967	QIL=	500.	YIL=	972.59	DEP=	0.92	ITB=	5
I=	131	X=	2.946	QIL=	500.	YIL=	973.50	DEP=	0.94	ITB=	5
I=	130	X=	2.925	QIL=	500.	YIL=	974.41	DEP=	0.96	ITB=	5
I=	129	X=	2.904	QIL=	500.	YIL=	975.31	DEP=	0.98	ITB=	5
I=	128	X=	2.883	QIL=	500.	YIL=	976.22	DEP=	1.00	ITB=	5
I=	127	X=	2.862	QIL=	500.	YIL=	977.12	DEP=	1.01	ITB=	5
I=	126	X=	2.841	QIL=	500.	YIL=	978.02	DEP=	1.02	ITB=	5
I=	125	X=	2.833	QIL=	500	YIL=	978.32	DEP=	1.04	ITB=	6
I=	124	X=	2.826	QIL=	500	YIL=	978.60	DEP=	1.04	ITB=	6
I=	123	X=	2.818	QIL=	500.	YIL=	978.88	DEP=	1.04	ITB=	6
I=	122	X=	2.811	QIL=	500.	YIL=	979.16	DEP=	1.04	ITB=	6
I=	[illegible]	X=	[illegible]	QIL=	500	YIL=	979.44	DEP=	1.04	ITB=	6
I=	[illegible]	X=	[illegible]	QIL=	[illegible]	YIL=	[illegible]	DEP=	1.03	ITB=	6

I=	119	X=	2.788	QIL=	500.	YIL=	979.99	DEP=	1.03	ITB=	6
I=	118	X=	2.781	QIL=	500.	YIL=	980.27	DEP=	1.03	ITB=	6
I=	117	X=	2.773	QIL=	500.	YIL=	980.55	DEP=	1.03	ITB=	6
I=	116	X=	2.765	QIL=	500.	YIL=	980.83	DEP=	1.03	ITB=	6
I=	115	X=	2.758	QIL=	500.	YIL=	981.11	DEP=	1.03	ITB=	6
I=	114	X=	2.750	QIL=	500.	YIL=	981.39	DEP=	1.03	ITB=	6
I=	113	X=	2.743	QIL=	500.	YIL=	981.67	DEP=	1.03	ITB=	6
I=	112	X=	2.735	QIL=	500.	YIL=	981.94	DEP=	1.02	ITB=	6
I=	111	X=	2.728	QIL=	500.	YIL=	982.22	DEP=	1.02	ITB=	6
I=	110	X=	2.720	QIL=	500.	YIL=	982.50	DEP=	1.02	ITB=	6
I=	109	X=	2.712	QIL=	500.	YIL=	982.78	DEP=	1.02	ITB=	6
I=	108	X=	2.705	QIL=	500.	YIL=	983.05	DEP=	1.01	ITB=	6
I=	107	X=	2.697	QIL=	500.	YIL=	983.33	DEP=	1.01	ITB=	6
I=	106	X=	2.690	QIL=	500.	YIL=	983.61	DEP=	1.01	ITB=	6
I=	105	X=	2.682	QIL=	500.	YIL=	983.88	DEP=	1.00	ITB=	6
I=	104	X=	2.675	QIL=	500.	YIL=	984.16	DEP=	1.00	ITB=	6
I=	103	X=	2.667	QIL=	500.	YIL=	984.43	DEP=	0.99	ITB=	6
I=	102	X=	2.660	QIL=	500.	YIL=	984.71	DEP=	0.99	ITB=	6
I=	101	X=	2.652	QIL=	500.	YIL=	984.98	DEP=	0.98	ITB=	6
I=	100	X=	2.638	QIL=	500.	YIL=	985.55	DEP=	0.97	ITB=	5
I=	99	X=	2.625	QIL=	500.	YIL=	986.16	DEP=	1.02	ITB=	5
I=	98	X=	2.611	QIL=	500.	YIL=	986.74	DEP=	1.03	ITB=	6
I=	97	X=	2.598	QIL=	500.	YIL=	987.34	DEP=	1.05	ITB=	5
I=	96	X=	2.584	QIL=	500.	YIL=	987.92	DEP=	1.06	ITB=	6
I=	95	X=	2.571	QIL=	500.	YIL=	988.50	DEP=	1.08	ITB=	6
I=	94	X=	2.557	QIL=	500.	YIL=	989.08	DEP=	1.08	ITB=	6
I=	93	X=	2.543	QIL=	500.	YIL=	989.67	DEP=	1.09	ITB=	6
I=	92	X=	2.530	QIL=	500.	YIL=	990.25	DEP=	1.10	ITB=	6
I=	91	X=	2.516	QIL=	500.	YIL=	990.82	DEP=	1.11	ITB=	6
I=	90	X=	2.503	QIL=	500.	YIL=	991.40	DEP=	1.12	ITB=	6
I=	89	X=	2.489	QIL=	500.	YIL=	991.98	DEP=	1.12	ITB=	6
I=	88	X=	2.476	QIL=	500.	YIL=	992.56	DEP=	1.13	ITB=	6
I=	87	X=	2.462	QIL=	500.	YIL=	993.13	DEP=	1.13	ITB=	6
I=	86	X=	2.415	QIL=	500.	YIL=	994.71	DEP=	1.21	ITB=	5
I=	85	X=	2.367	QIL=	500.	YIL=	996.17	DEP=	1.17	ITB=	5
I=	84	X=	2.320	QIL=	500.	YIL=	997.73	DEP=	1.23	ITB=	4
I=	83	X=	2.273	QIL=	500.	YIL=	999.22	DEP=	1.22	ITB=	5
I=	82	X=	2.246	QIL=	500.	YIL=	1000.80	DEP=	1.09	ITB=	4
I=	81	X=	2.219	QIL=	500.	YIL=	1002.68	DEP=	1.25	ITB=	5
I=	80	X=	2.192	QIL=	500.	YIL=	1004.30	DEP=	1.16	ITB=	5
I=	79	X=	2.164	QIL=	500.	YIL=	1006.12	DEP=	1.26	ITB=	4
I=	78	X=	2.137	QIL=	500.	YIL=	1007.77	DEP=	1.20	ITB=	5
I=	77	X=	2.110	QIL=	500.	YIL=	1009.56	DEP=	1.27	ITB=	4
I=	76	X=	2.083	QIL=	500.	YIL=	1011.23	DEP=	1.23	ITB=	5
I=	75	X=	1.894	QIL=	500.	YIL=	1023.14	DEP=	1.14	ITB=	4
I=	74	X=	1.863	QIL=	500.	YIL=	1025.10	DEP=	1.10	ITB=	5
I=	73	X=	1.831	QIL=	500.	YIL=	1027.13	DEP=	1.13	ITB=	5
I=	72	X=	1.800	QIL=	500.	YIL=	1029.11	DEP=	1.11	ITB=	5
I=	71	X=	1.768	QIL=	500.	YIL=	1031.13	DEP=	1.13	ITB=	5
I=	70	X=	1.737	QIL=	500.	YIL=	1033.11	DEP=	1.11	ITB=	5
I=	69	X=	1.705	QIL=	500.	YIL=	1035.13	DEP=	1.13	ITB=	5
I=	68	X=	1.658	QIL=	500.	YIL=	1036.79	DEP=	1.29	ITB=	5
I=	67	X=	1.610	QIL=	500.	YIL=	1038.21	DEP=	1.21	ITB=	5
I=	66	X=	1.563	QIL=	500.	YIL=	1039.82	DEP=	1.32	ITB=	4
I=	65	X=	1.515	QIL=	500	YIL=	1041.31	DEP=	1.31	ITB=	5
I=	64	X=	1.461	QIL=	500.	YIL=	1044.44	DEP=	1.16	ITB=	3
I=	63	X=	1.407	QIL=	500.	YIL=	1047.84	DEP=	1.27	ITB=	4
I=	62	X=	1.353	QIL=	500.	YIL=	1051.01	DEP=	1.16	ITB=	5
I=	61	X=	1.298	QIL=	500	YIL=	1054.38	DEP=	1.23	ITB=	5
I=	[illegible]	X=	1.244	QIL=	500	YIL=	1057.57	DEP=	1.14	ITB=	4

I=	59	X=	1.190	QIL=	500.	YIL=	1060.90	DEP=	1.18	ITB=	4
I=	58	X=	1.136	QIL=	500.	YIL=	1064.10	DEP=	1.10	ITB=	4
I=	57	X=	1.060	QIL=	500.	YIL=	1069.56	DEP=	1.16	ITB=	4
I=	56	X=	0.985	QIL=	500.	YIL=	1075.00	DEP=	1.20	ITB=	4
I=	55	X=	0.909	QIL=	500.	YIL=	1080.44	DEP=	1.24	ITB=	4
I=	54	X=	0.834	QIL=	500.	YIL=	1085.86	DEP=	1.26	ITB=	4
I=	53	X=	0.758	QIL=	500.	YIL=	1091.28	DEP=	1.28	ITB=	4
I=	52	X=	0.751	QIL=	500.	YIL=	1091.84	DEP=	1.27	ITB=	6
I=	51	X=	0.743	QIL=	500.	YIL=	1092.41	DEP=	1.27	ITB=	6
I=	50	X=	0.736	QIL=	500.	YIL=	1092.98	DEP=	1.27	ITB=	6
I=	49	X=	0.728	QIL=	500.	YIL=	1093.55	DEP=	1.27	ITB=	6
I=	48	X=	0.721	QIL=	500.	YIL=	1094.11	DEP=	1.27	ITB=	6
I=	47	X=	0.713	QIL=	500.	YIL=	1094.68	DEP=	1.27	ITB=	6
I=	46	X=	0.706	QIL=	500.	YIL=	1095.25	DEP=	1.27	ITB=	6
I=	45	X=	0.699	QIL=	500.	YIL=	1095.82	DEP=	1.27	ITB=	6
I=	44	X=	0.691	QIL=	500.	YIL=	1096.38	DEP=	1.27	ITB=	6
I=	43	X=	0.684	QIL=	500.	YIL=	1096.95	DEP=	1.27	ITB=	6
I=	42	X=	0.676	QIL=	500.	YIL=	1097.52	DEP=	1.26	ITB=	6
I=	41	X=	0.669	QIL=	500.	YIL=	1098.09	DEP=	1.26	ITB=	6
I=	40	X=	0.661	QIL=	500.	YIL=	1098.65	DEP=	1.26	ITB=	6
I=	39	X=	0.654	QIL=	500.	YIL=	1099.22	DEP=	1.26	ITB=	6
I=	38	X=	0.647	QIL=	500.	YIL=	1099.79	DEP=	1.26	ITB=	6
I=	37	X=	0.639	QIL=	500.	YIL=	1100.36	DEP=	1.26	ITB=	6
I=	36	X=	0.632	QIL=	500.	YIL=	1100.92	DEP=	1.26	ITB=	6
I=	35	X=	0.624	QIL=	500.	YIL=	1101.49	DEP=	1.26	ITB=	6
I=	34	X=	0.617	QIL=	500.	YIL=	1102.06	DEP=	1.26	ITB=	6
I=	33	X=	0.609	QIL=	500.	YIL=	1102.63	DEP=	1.25	ITB=	6
I=	32	X=	0.602	QIL=	500.	YIL=	1103.19	DEP=	1.25	ITB=	6
I=	31	X=	0.595	QIL=	500.	YIL=	1103.76	DEP=	1.25	ITB=	6
I=	30	X=	0.587	QIL=	500.	YIL=	1104.33	DEP=	1.25	ITB=	6
I=	29	X=	0.580	QIL=	500.	YIL=	1104.90	DEP=	1.25	ITB=	6
I=	28	X=	0.572	QIL=	500.	YIL=	1105.46	DEP=	1.25	ITB=	6
I=	27	X=	0.565	QIL=	500.	YIL=	1106.03	DEP=	1.24	ITB=	6
I=	26	X=	0.557	QIL=	500.	YIL=	1106.60	DEP=	1.24	ITB=	6
I=	25	X=	0.550	QIL=	500.	YIL=	1107.16	DEP=	1.24	ITB=	6
I=	24	X=	0.542	QIL=	500.	YIL=	1107.73	DEP=	1.24	ITB=	6
I=	23	X=	0.535	QIL=	500.	YIL=	1108.30	DEP=	1.24	ITB=	6
I=	22	X=	0.528	QIL=	500.	YIL=	1108.86	DEP=	1.23	ITB=	6
I=	21	X=	0.520	QIL=	500.	YIL=	1109.43	DEP=	1.23	ITB=	6
I=	20	X=	0.513	QIL=	500.	YIL=	1109.99	DEP=	1.23	ITB=	6
I=	19	X=	0.505	QIL=	500.	YIL=	1110.56	DEP=	1.23	ITB=	6
I=	18	X=	0.498	QIL=	500.	YIL=	1111.13	DEP=	1.22	ITB=	6
I=	17	X=	0.490	QIL=	500.	YIL=	1111.69	DEP=	1.22	ITB=	6
I=	16	X=	0.483	QIL=	500.	YIL=	1112.26	DEP=	1.22	ITB=	6
I=	15	X=	0.476	QIL=	500.	YIL=	1112.82	DEP=	1.21	ITB=	5
I=	14	X=	0.468	QIL=	500.	YIL=	1113.39	DEP=	1.21	ITB=	5
I=	13	X=	0.461	QIL=	500.	YIL=	1113.95	DEP=	1.21	ITB=	5
I=	12	X=	0.453	QIL=	500.	YIL=	1114.51	DEP=	1.20	ITB=	5
I=	11	X=	0.446	QIL=	500.	YIL=	1115.08	DEP=	1.20	ITB=	5
I=	10	X=	0.438	QIL=	500.	YIL=	1115.64	DEP=	1.19	ITB=	5
I=	9	X=	0.431	QIL=	500.	YIL=	1116.20	DEP=	1.18	ITB=	5
I=	8	X=	0.424	QIL=	500.	YIL=	1116.76	DEP=	1.18	ITB=	5
I=	7	X=	0.416	QIL=	500.	YIL=	1117.32	DEP=	1.17	ITB=	5
I=	6	X=	0.409	QIL=	500.	YIL=	1117.88	DEP=	1.16	ITB=	5
I=	5	X=	0.401	QIL=	500.	YIL=	1118.44	DEP=	1.15	ITB=	5
I=	4	X=	0.394	QIL=	500.	YIL=	1119.00	DEP=	1.14	ITB=	5
I=	3	X=	0.386	QIL=	500.	YIL=	1119.55	DEP=	1.12	ITB=	5
I=	2	X=	0.379	QIL=	500.	YIL=	1120.09	DEP=	1.09	ITB=	5
I=	1	X=	0.000	QIL=	500.	YIL=	1163.20	DEP=	19.20	ITB=	0

INITIAL CONDITIONS

(QDI(I), I=1, N)

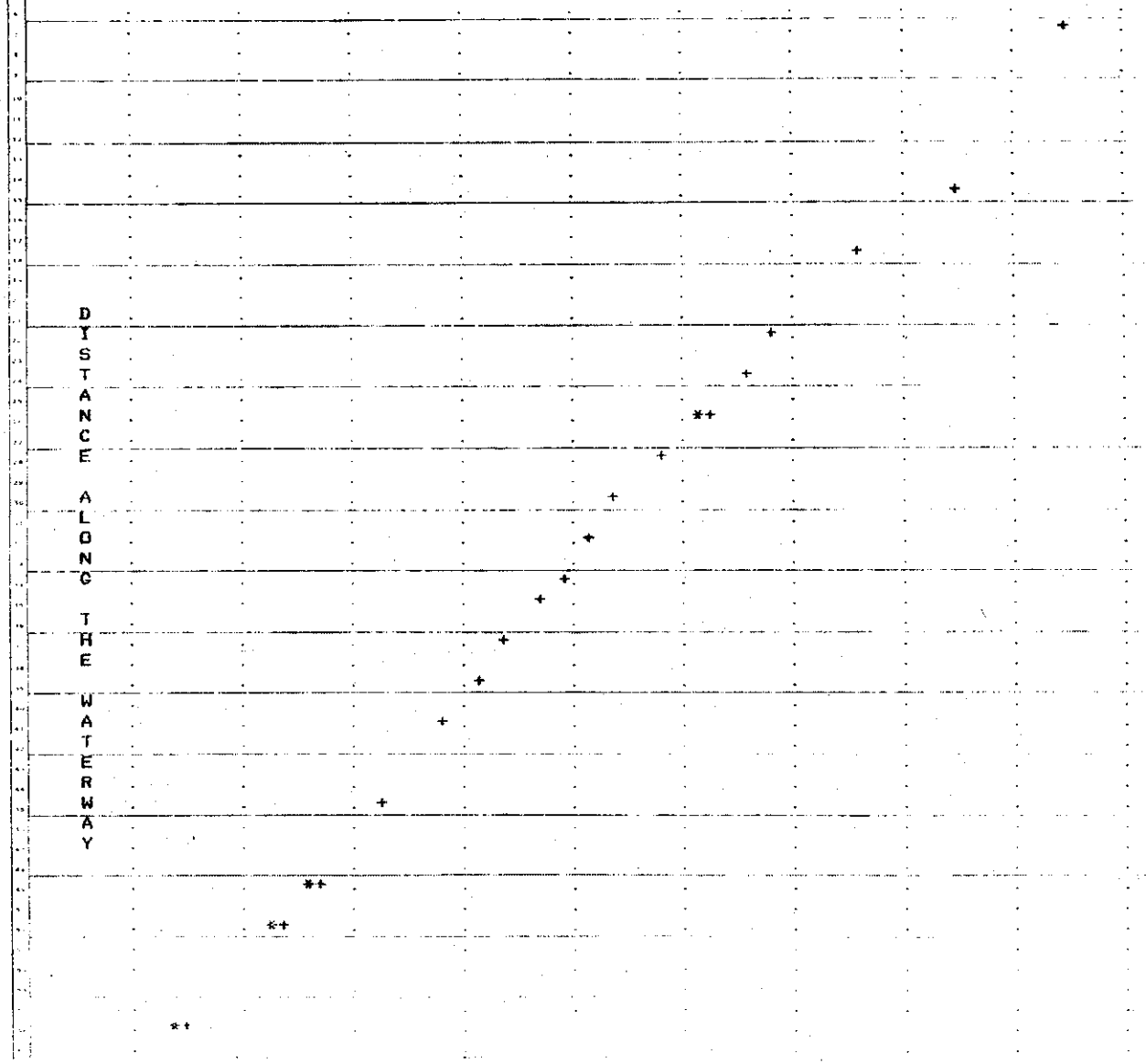
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.
500.	500.	500.	500.	500.	500.	500.	500.

(YI(I), I=1, N)

1163.20	1120.09	1119.55	1119.00	1118.44	1117.88	1117.32	1116.76
1116.20	1115.64	1115.08	1114.51	1113.95	1113.39	1112.82	1112.26
1111.69	1111.13	1110.56	1109.99	1109.43	1108.86	1108.30	1107.73
1107.16	1106.60	1106.03	1105.46	1104.90	1104.33	1103.76	1103.19
1102.63	1102.06	1101.49	1100.92	1100.36	1099.79	1099.22	1098.65
1098.09	1097.52	1096.95	1096.38	1095.82	1095.25	1094.68	1094.11
1093.55	1092.98	1092.41	1091.84	1091.28	1085.86	1080.44	1075.00
1069.56	1064.10	1060.90	1057.57	1054.38	1051.01	1047.84	1044.44
1041.31	1039.82	1038.21	1036.79	1035.13	1033.11	1031.13	1029.11
1027.13	1025.10	1023.14	1011.23	1009.56	1007.77	1006.12	1004.30
1002.68	1000.80	999.22	997.73	996.17	994.71	993.13	992.56
991.98	991.40	990.82	990.25	989.67	989.08	988.50	987.92
987.34	986.74	986.16	985.55	984.98	984.71	984.43	984.16
983.88	983.61	983.33	983.05	982.78	982.50	982.22	981.94
981.67	981.39	981.11	980.83	980.55	980.27	979.99	979.71
979.44	979.16	978.88	978.60	978.32	978.02	977.12	976.22
975.31	974.41	973.50	972.59	971.67	970.75	969.82	965.81
961.79	960.70	959.61	958.51	957.41	956.31	955.20	954.09
952.95	[illegible]	949.09	945.24	[illegible]	940.72	938.25	935.78

932.96	930.15	927.32	924.51	921.67	918.86	913.82	908.87
904.52	900.23	895.88	891.60	887.24	882.96	881.66	880.34
879.04	877.71	876.41	875.08	873.78	872.44	871.13	869.78

PROFILE OF INVERT ELEVATION (HS) AND INITIAL WATERSURFACE ELEVATION (YI) ALONG WATERWAY (X)
X(MILES) HST(FEET) -- "*" YI(FEET) -- "+"



X	HS	YI	DEPTH
0.00	1144.00	1163.20	19.20
0.38	1119.00	1120.09	1.09
0.76	1090.00	1091.28	1.28
1.14	1063.00	1064.10	1.10
1.51	1040.00	1041.31	1.31
1.71	1034.00	1035.13	1.13
1.89	1022.00	1023.14	1.14
2.08	1010.00	1011.23	1.23
2.27	998.00	999.22	1.22
2.46	992.00	993.13	1.13
2.65	984.00	984.98	0.98
2.84	977.00	978.02	1.02
3.03	969.00	969.82	0.82
3.22	961.00	961.79	0.79
3.41	952.00	952.98	0.98
3.79	935.00	935.78	0.78
4.17	918.00	918.86	0.86
4.36	908.00	908.87	0.87
4.92	882.00	882.96	0.96

869.0 898.4 927.8 957.3 986.7 1016.1 1045.5 1074.9 1104.4 1133.8 1163.2

ELEVATION

5.30 869.00 869.78 0.78

TIME PARAMETERS OF OUTFLOW HYDROGRAPH IMMEDIATELY DOWNSTREAM OF DAM

PARAMETER	UNITS	VARIABLE	VALUE
TIME TO FAILURE	HR	TFH	0.500
TIME TO START OF RISING LIMB OF HYDROGRAPH	HR	TFO	6.500
TIME TO PEAK	HR	TP	2.500
TIME STEP SIZE	HR	DTHI	0.025

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =      500.00    YU(1) =     1163.20  QU(N) =      500.00  YU(N) =      869.78
FRDM=    0.70  IIFR=   82  FRM=0.00 IIFM=    1

TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =      500.00    YU(1) =     1163.20  QU(N) =      500.00  YU(N) =      869.79
FRDM=    0.69  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1163.20	1152.00	1120.09	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =   0.0000          DTH =  0.0250          ITERR =   0
QU(1) =      500.00    YU(1) =     1163.19  QU(N) =      524.09  YU(N) =      869.79
FRDM=    0.70  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.000	500.0	1163.19	1152.00	1120.09	1.00	0.0	500.0	0.0	0.0	500.0

```
TT =   0.0250          DTH =  0.0250          ITERR =   0
QU(1) =      577.70    YU(1) =     1163.19  QU(N) =     535.84  YU(N) =     869.80
FRDM=     0.69  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.025	577.7	1163.19	1151.44	1120.12	1.00	3.8	577.7	77.7	0.0	500.0

```
TT =   0.0500          DTH =  0.0250          ITERR =   0
QU(1) =      810.72    YU(1) =     1163.18  QU(N) =     540.35  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	0.050	810.7	1163.18	1150.88	1120.21	1.00	7.5	810.7	310.7	0.0	500.0

```
TT =   0.0750          DTH =  0.0250          ITERR =   1
QU(1) =     1198.89    YU(1) =     1163.18  QU(N) =     542.27  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.075	1198.9	1163.18	1150.32	1120.33	1.00	11.3	1198.9	698.9	0.0	500.0

```
TT =   0.1000          DTH =  0.0250          ITERR =   1
QU(1) =     1741.69    YU(1) =     1163.16  QU(N) =     542.90  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.00 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.100	1741.7	1163.16	1149.76	1120.49	1.00	15.0	1741.7	1241.7	0.0	500.0

```
TT =    0.1250          DTH =   0.0250          ITERR =    1
QU(1) =     2438.49     YU(1) =     1163.14  QU(N) =     543.09  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.125    2438.5   1163.14   1149.20   1120.65      1.00      18.8    2438.5    1938.5       0.0     500.0

TT =    0.1500          DTH =   0.0250          ITERR =    1
QU(1) =     2999.21     YU(1) =     1163.12  QU(N) =     543.24  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.150    2999.2   1163.12   1149.00   1120.77      1.00      22.5    2999.2    2599.2       0.0     400.0

TT =    0.1750          DTH =   0.0250          ITERR =    1
QU(1) =     3525.11     YU(1) =     1163.09  QU(N) =     543.17  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.00 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.175    3525.1   1163.09   1149.00   1120.87      1.00      26.3    3525.1    3225.1       0.0     300.0

TT =    0.2000          DTH =   0.0250          ITERR =    1
QU(1) =     4099.59     YU(1) =     1163.05  QU(N) =     543.20  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.200    4099.6   1163.05   1149.00   1120.97      1.00      30.0    4099.6    3899.6       0.0     200.0
```

```
TT =    0.2250          DTH =  0.0250          ITERR =    1
QU(1) =     4718.31     YU(1) =     1163.01  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.225    4718.3   1163.01   1149.00   1121.07      1.00      33.8    4718.3    4618.3       0.0     100.0

TT =    0.2500          DTH =  0.0250          ITERR =    1
QU(1) =     5376.26     YU(1) =     1162.96  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.250    5376.3   1162.96   1149.00   1121.17      1.00      37.5    5376.3    5376.3       0.0       0.0

TT =    0.2750          DTH =  0.0250          ITERR =    1
QU(1) =     6168.20     YU(1) =     1162.90  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.275    6168.2   1162.90   1149.00   1121.29      1.00      41.3    6168.2    6168.2       0.0       0.0

TT =    0.3000          DTH =  0.0250          ITERR =    1
QU(1) =     8049.84     YU(1) =     1162.83  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.300    8049.8   1162.83   1149.00   1121.53      1.00      45.0    8049.8    8049.8       0.0       0.0
```

```
TT =    0.3250          DTH =   0.0250          ITERR =    1
QU(1) =     8565.49     YU(1) =     1162.75  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.325    8565.5   1162.75   1149.00   1121.60      1.00      48.8    8565.5    8565.5       0.0       0.0

TT =    0.3500          DTH =   0.0250          ITERR =    1
QU(1) =     9064.59     YU(1) =     1162.66  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.350    9064.6   1162.66   1149.00   1121.66      1.00      52.5    9064.6    9064.6       0.0       0.0

TT =    0.3750          DTH =   0.0250          ITERR =    1
QU(1) =     9546.19     YU(1) =     1162.57  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.375    9546.2   1162.57   1149.00   1121.72      1.00      56.3    9546.2    9546.2       0.0       0.0

TT =    0.4000          DTH =   0.0250          ITERR =    1
QU(1) =    10009.46     YU(1) =     1162.47  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    0.400   10009.5   1162.47   1149.00   1121.77      1.00      60.0   10009.5   10009.5       0.0       0.0
```

```
TT =    0.4250          DTH =   0.0250          ITERR =    1
QU(1) =    10453.46     YU(1) =     1162.36  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.425   10453.5   1162.36   1149.00   1121.82      1.00      63.8   10453.5   10453.5       0.0       0.0

TT =    0.4500          DTH =   0.0250          ITERR =    1
QU(1) =    10877.46     YU(1) =     1162.25  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.450   10877.5   1162.25   1149.00   1121.86      1.00      67.5   10877.5   10877.5       0.0       0.0

TT =    0.4750          DTH =   0.0250          ITERR =    1
QU(1) =    11280.57     YU(1) =     1162.13  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.475   11280.6   1162.13   1149.00   1121.90      1.00      71.3   11280.6   11280.6       0.0       0.0

TT =    0.5000          DTH =   0.0250          ITERR =    1
QU(1) =    11661.97     YU(1) =     1162.01  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.70  IIFR=    82  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.500   11662.0   1162.01   1149.00   1121.94      1.00      75.0   11662.0   11662.0       0.0       0.0
```

```
TT =   0.5250          DTH =  0.0250          ITERR =   1
QU(1) =   11487.10     YU(1) =    1161.89  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.70  IIFR=   82  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.525	11487.1	1161.89	1149.00	1121.93	1.00	75.0	11487.1	11487.1	0.0	0.0

```
TT =   0.5500          DTH =  0.0250          ITERR =   1
QU(1) =   11314.04     YU(1) =    1161.76  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.70  IIFR=   82  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.550	11314.0	1161.76	1149.00	1121.91	1.00	75.0	11314.0	11314.0	0.0	0.0

```
TT =   0.5750          DTH =  0.0250          ITERR =   1
QU(1) =   11142.66     YU(1) =    1161.64  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.70  IIFR=   82  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.575	11142.7	1161.64	1149.00	1121.89	1.00	75.0	11142.7	11142.7	0.0	0.0

```
TT =   0.6000          DTH =  0.0250          ITERR =   1
QU(1) =   10972.78     YU(1) =    1161.51  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.70  IIFR=   82  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.600	10972.8	1161.51	1149.00	1121.87	1.00	75.0	10972.8	10972.8	0.0	0.0

```
TT =    0.6250          DTH =   0.0250          ITERR =   1
QU(1) =    10804.57     YU(1) =     1161.39  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    64  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.625	10804.6	1161.39	1149.00	1121.86	1.00	75.0	10804.6	10804.6	0.0	0.0

```
TT =    0.6500          DTH =   0.0250          ITERR =   1
QU(1) =    10638.02     YU(1) =     1161.27  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.70  IIFR=    64  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.650	10638.0	1161.27	1149.00	1121.84	1.00	75.0	10638.0	10638.0	0.0	0.0

```
TT =    0.6750          DTH =   0.0250          ITERR =   1
QU(1) =    10473.11     YU(1) =     1161.15  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.675	10473.1	1161.15	1149.00	1121.82	1.00	75.0	10473.1	10473.1	0.0	0.0

```
TT =    0.7000          DTH =   0.0250          ITERR =   1
QU(1) =    10309.84     YU(1) =     1161.02  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.700	10309.8	1161.02	1149.00	1121.80	1.00	75.0	10309.8	10309.8	0.0	0.0

```
TT =   0.7250          DTH =  0.0250          ITERR =   1
QU(1) =   10148.20     YU(1) =    1160.90  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.725	10148.2	1160.90	1149.00	1121.79	1.00	75.0	10148.2	10148.2	0.0	0.0

```
TT =   0.7500          DTH =  0.0250          ITERR =   2
QU(1) =    9988.18     YU(1) =    1160.78  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.750	9988.2	1160.78	1149.00	1121.77	1.00	75.0	9988.2	9988.2	0.0	0.0

```
TT =   0.7750          DTH =  0.0250          ITERR =   1
QU(1) =    9829.77     YU(1) =    1160.66  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.775	9829.8	1160.66	1149.00	1121.75	1.00	75.0	9829.8	9829.8	0.0	0.0

```
TT =   0.8000          DTH =  0.0250          ITERR =   2
QU(1) =    9672.80     YU(1) =    1160.54  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.800	9672.8	1160.54	1149.00	1121.73	1.00	75.0	9672.8	9672.8	0.0	0.0

```
TT =   0.8250          DTH =  0.0250          ITERR =   2
QU(1) =     9517.42     YU(1) =     1160.42  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	0.825	9517.4	1160.42	1149.00	1121.72	1.00	75.0	9517.4	9517.4	0.0	0.0

```
TT =   0.8500          DTH =  0.0250          ITERR =   1
QU(1) =     9363.63     YU(1) =     1160.30  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.850	9363.6	1160.30	1149.00	1121.70	1.00	75.0	9363.6	9363.6	0.0	0.0

```
TT =   0.8750          DTH =  0.0250          ITERR =   1
QU(1) =     9211.42     YU(1) =     1160.18  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.875	9211.4	1160.18	1149.00	1121.68	1.00	75.0	9211.4	9211.4	0.0	0.0

```
TT =   0.9000          DTH =  0.0250          ITERR =   1
QU(1) =     9060.61     YU(1) =     1160.07  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	0.900	9060.6	1160.07	1149.00	1121.66	1.00	75.0	9060.6	9060.6	0.0	0.0

```
TT =    0.9250          DTH =   0.0250          ITERR =   1
QU(1) =     8911.34     YU(1) =     1159.95  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.925    8911.3   1159.95   1149.00   1121.65      1.00      75.0    8911.3    8911.3       0.0       0.0

TT =    0.9500          DTH =   0.0250          ITERR =   1
QU(1) =     8763.57     YU(1) =     1159.83  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.950    8763.6   1159.83   1149.00   1121.63      1.00      75.0    8763.6    8763.6       0.0       0.0

TT =    0.9750          DTH =   0.0250          ITERR =   1
QU(1) =     8617.16     YU(1) =     1159.72  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     0.975    8617.2   1159.72   1149.00   1121.61      1.00      75.0    8617.2    8617.2       0.0       0.0

TT =    1.0000          DTH =   0.0250          ITERR =   1
QU(1) =     8472.13     YU(1) =     1159.60  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.000    8472.1   1159.60   1149.00   1121.59      1.00      75.0    8472.1    8472.1       0.0       0.0
```

```
TT =    1.0250          DTH =  0.0250          ITERR =    1
QU(1) =     8328.72     YU(1) =     1159.48  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.025	8328.7	1159.48	1149.00	1121.58	1.00	75.0	8328.7	8328.7	0.0	0.0

```
TT =    1.0500          DTH =  0.0250          ITERR =    1
QU(1) =     8187.07     YU(1) =     1159.37  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.050	8187.1	1159.37	1149.00	1121.56	1.00	75.0	8187.1	8187.1	0.0	0.0

```
TT =    1.0750          DTH =  0.0250          ITERR =    1
QU(1) =     8047.39     YU(1) =     1159.25  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.075	8047.4	1159.25	1149.00	1121.54	1.00	75.0	8047.4	8047.4	0.0	0.0

```
TT =    1.1000          DTH =  0.0250          ITERR =    1
QU(1) =     7909.52     YU(1) =     1159.14  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.71  IIFR=    64  FRM=0.02 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.100	7909.5	1159.14	1149.00	1121.52	1.00	75.0	7909.5	7909.5	0.0	0.0

```
TT =   1.1250          DTH =  0.0250          ITERR =   1
QU(1) =     7773.42    YU(1) =     1159.03  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.02 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.125    7773.4   1159.03   1149.00   1121.51      1.00      75.0    7773.4    7773.4       0.0       0.0

TT =   1.1500          DTH =  0.0250          ITERR =   1
QU(1) =     7639.10    YU(1) =     1158.91  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.150    7639.1   1158.91   1149.00   1121.49      1.00      75.0    7639.1    7639.1       0.0       0.0

TT =   1.1750          DTH =  0.0250          ITERR =   1
QU(1) =     7506.68    YU(1) =     1158.80  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.175    7506.7   1158.80   1149.00   1121.47      1.00      75.0    7506.7    7506.7       0.0       0.0

TT =   1.2000          DTH =  0.0250          ITERR =   1
QU(1) =     7376.00    YU(1) =     1158.69  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.200    7376.0   1158.69   1149.00   1121.46      1.00      75.0    7376.0    7376.0       0.0       0.0
```

```
TT =    1.2250          DTH =  0.0250          ITERR =   1
QU(1) =     7247.20     YU(1) =     1158.58  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.225	7247.2	1158.58	1149.00	1121.44	1.00	75.0	7247.2	7247.2	0.0	0.0

```
TT =    1.2500          DTH =  0.0250          ITERR =   1
QU(1) =     7120.25     YU(1) =     1158.47  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.250	7120.3	1158.47	1149.00	1121.42	1.00	75.0	7120.3	7120.3	0.0	0.0

```
TT =    1.2750          DTH =  0.0250          ITERR =   1
QU(1) =     6995.00     YU(1) =     1158.37  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.275	6995.0	1158.37	1149.00	1121.41	1.00	75.0	6995.0	6995.0	0.0	0.0

```
TT =    1.3000          DTH =  0.0250          ITERR =   1
QU(1) =     6871.56     YU(1) =     1158.26  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.300	6871.6	1158.26	1149.00	1121.39	1.00	75.0	6871.6	6871.6	0.0	0.0

```
TT =    1.3250          DTH =  0.0250          ITERR =   1
QU(1) =     6749.94     YU(1) =     1158.15  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.325	6749.9	1158.15	1149.00	1121.37	1.00	75.0	6749.9	6749.9	0.0	0.0

```
TT =    1.3500          DTH =  0.0250          ITERR =   1
QU(1) =     6630.11     YU(1) =     1158.05  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.350	6630.1	1158.05	1149.00	1121.36	1.00	75.0	6630.1	6630.1	0.0	0.0

```
TT =    1.3750          DTH =  0.0250          ITERR =   2
QU(1) =     6512.05     YU(1) =     1157.94  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.375	6512.0	1157.94	1149.00	1121.34	1.00	75.0	6512.0	6512.0	0.0	0.0

```
TT =    1.4000          DTH =  0.0250          ITERR =   1
QU(1) =     6395.88     YU(1) =     1157.84  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.400	6395.9	1157.84	1149.00	1121.33	1.00	75.0	6395.9	6395.9	0.0	0.0

```
TT =    1.4250          DTH =   0.0250          ITERR =    1
QU(1) =     6281.46     YU(1) =     1157.74  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.425    6281.5   1157.74   1149.00   1121.31      1.00      75.0    6281.5    6281.5       0.0       0.0

TT =    1.4500          DTH =   0.0250          ITERR =    1
QU(1) =     6168.76     YU(1) =     1157.63  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.450    6168.8   1157.63   1149.00   1121.29      1.00      75.0    6168.8    6168.8       0.0       0.0

TT =    1.4750          DTH =   0.0250          ITERR =    1
QU(1) =     6057.90     YU(1) =     1157.53  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.475    6057.9   1157.53   1149.00   1121.28      1.00      75.0    6057.9    6057.9       0.0       0.0

TT =    1.5000          DTH =   0.0250          ITERR =    1
QU(1) =     5948.87     YU(1) =     1157.43  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.500    5948.9   1157.43   1149.00   1121.26      1.00      75.0    5948.9    5948.9       0.0       0.0
```

```
TT =    1.5250          DTH =   0.0250          ITERR =    1
QU(1) =     5843.19     YU(1) =     1157.34  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.525	5843.2	1157.34	1149.00	1121.25	1.00	75.0	5843.2	5843.2	0.0	0.0

```
TT =    1.5500          DTH =   0.0250          ITERR =    1
QU(1) =     5742.33     YU(1) =     1157.24  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.550	5742.3	1157.24	1149.00	1121.23	1.00	75.0	5742.3	5742.3	0.0	0.0

```
TT =    1.5750          DTH =   0.0250          ITERR =    1
QU(1) =     5646.40     YU(1) =     1157.15  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.575	5646.4	1157.15	1149.00	1121.22	1.00	75.0	5646.4	5646.4	0.0	0.0

```
TT =    1.6000          DTH =   0.0250          ITERR =    1
QU(1) =     5555.45     YU(1) =     1157.07  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.600	5555.4	1157.07	1149.00	1121.21	1.00	75.0	5555.4	5555.4	0.0	0.0

```
TT =   1.6250          DTH =  0.0250          ITERR =   1
QU(1) =    5469.52     YU(1) =    1156.99  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.625    5469.5   1156.99   1149.00   1121.19      1.00      75.0    5469.5    5469.5       0.0       0.0

TT =   1.6500          DTH =  0.0250          ITERR =   2
QU(1) =    5388.67     YU(1) =    1156.91  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    2    1.650    5388.7   1156.91   1149.00   1121.18      1.00      75.0    5388.7    5388.7       0.0       0.0

TT =   1.6750          DTH =  0.0250          ITERR =   1
QU(1) =    5312.81     YU(1) =    1156.84  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.675    5312.8   1156.84   1149.00   1121.17      1.00      75.0    5312.8    5312.8       0.0       0.0

TT =   1.7000          DTH =  0.0250          ITERR =   1
QU(1) =    5242.12     YU(1) =    1156.77  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)       H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.700    5242.1   1156.77   1149.00   1121.16      1.00      75.0    5242.1    5242.1       0.0       0.0
```

```
TT =   1.7250          DTH =  0.0250          ITERR =   1
QU(1) =     5176.40    YU(1) =     1156.71  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.725	5176.4	1156.71	1149.00	1121.15	1.00	75.0	5176.4	5176.4	0.0	0.0

```
TT =   1.7500          DTH =  0.0250          ITERR =   1
QU(1) =     5115.82    YU(1) =     1156.65  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.750	5115.8	1156.65	1149.00	1121.14	1.00	75.0	5115.8	5115.8	0.0	0.0

```
TT =   1.7750          DTH =  0.0250          ITERR =   1
QU(1) =     5060.97    YU(1) =     1156.59  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	1.775	5061.0	1156.59	1149.00	1121.13	1.00	75.0	5061.0	5061.0	0.0	0.0

```
TT =   1.8000          DTH =  0.0250          ITERR =   2
QU(1) =     5012.39    YU(1) =     1156.55  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	2	1.800	5012.4	1156.55	1149.00	1121.12	1.00	75.0	5012.4	5012.4	0.0	0.0

```
TT =    1.8250          DTH =   0.0250          ITERR =    1
QU(1) =     4970.23     YU(1) =     1156.51  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.825     4970.2   1156.51   1149.00   1121.12      1.00      75.0    4970.2    4970.2       0.0       0.0

TT =    1.8500          DTH =   0.0250          ITERR =    1
QU(1) =     4934.29     YU(1) =     1156.47  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.850     4934.3   1156.47   1149.00   1121.11      1.00      75.0    4934.3    4934.3       0.0       0.0

TT =    1.8750          DTH =   0.0250          ITERR =    1
QU(1) =     4904.63     YU(1) =     1156.44  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.875     4904.6   1156.44   1149.00   1121.11      1.00      75.0    4904.6    4904.6       0.0       0.0

TT =    1.9000          DTH =   0.0250          ITERR =    1
QU(1) =     4881.04     YU(1) =     1156.42  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     1.900     4881.0   1156.42   1149.00   1121.10      1.00      75.0    4881.0    4881.0       0.0       0.0
```

```
TT =   1.9250          DTH =  0.0250          ITERR =   1
QU(1) =     4863.48    YU(1) =     1156.40  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.925    4863.5   1156.40   1149.00   1121.10      1.00      75.0    4863.5    4863.5       0.0       0.0

TT =   1.9500          DTH =  0.0250          ITERR =   1
QU(1) =     4851.91    YU(1) =     1156.39  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.950    4851.9   1156.39   1149.00   1121.10      1.00      75.0    4851.9    4851.9       0.0       0.0

TT =   1.9750          DTH =  0.0250          ITERR =   1
QU(1) =     4846.16    YU(1) =     1156.38  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    1.975    4846.2   1156.38   1149.00   1121.10      1.00      75.0    4846.2    4846.2       0.0       0.0

TT =   2.0000          DTH =  0.0250          ITERR =   1
QU(1) =     4846.21    YU(1) =     1156.38  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K       TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1    2.000    4846.2   1156.38   1149.00   1121.10      1.00      75.0    4846.2    4846.2       0.0       0.0
```

```
TT =   2.0250          DTH =  0.0250          ITERR =   1
QU(1) =    4850.92     YU(1) =    1156.39  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.025    4850.9   1156.39   1149.00   1121.10      1.00      75.0    4850.9    4850.9       0.0       0.0

TT =   2.0500          DTH =  0.0250          ITERR =   1
QU(1) =    4859.33     YU(1) =    1156.40  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.050    4859.3   1156.40   1149.00   1121.10      1.00      75.0    4859.3    4859.3       0.0       0.0

TT =   2.0750          DTH =  0.0250          ITERR =   1
QU(1) =    4871.46     YU(1) =    1156.41  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.075    4871.5   1156.41   1149.00   1121.10      1.00      75.0    4871.5    4871.5       0.0       0.0

TT =   2.1000          DTH =  0.0250          ITERR =   1
QU(1) =    4887.08     YU(1) =    1156.42  QU(N) =     543.19  YU(N) =     869.80
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.100    4887.1   1156.42   1149.00   1121.10      1.00      75.0    4887.1    4887.1       0.0       0.0
```

```
TT =    2.1250          DTH =   0.0250          ITERR =    1
QU(1) =     4906.05     YU(1) =     1156.44  QU(N) =      543.20  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.125    4906.1   1156.44   1149.00   1121.11      1.00      75.0    4906.1    4906.1       0.0       0.0

TT =    2.1500          DTH =   0.0250          ITERR =    1
QU(1) =     4928.40     YU(1) =     1156.46  QU(N) =      543.19  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.150    4928.4   1156.46   1149.00   1121.11      1.00      75.0    4928.4    4928.4       0.0       0.0

TT =    2.1750          DTH =   0.0250          ITERR =    1
QU(1) =     4953.89     YU(1) =     1156.49  QU(N) =      543.15  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.175    4953.9   1156.49   1149.00   1121.11      1.00      75.0    4953.9    4953.9       0.0       0.0

TT =    2.2000          DTH =   0.0250          ITERR =    1
QU(1) =     4982.54     YU(1) =     1156.52  QU(N) =      543.17  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.200    4982.5   1156.52   1149.00   1121.12      1.00      75.0    4982.5    4982.5       0.0       0.0
```

```
TT =    2.2250          DTH =  0.0250          ITERR =   1
QU(1) =     5014.11     YU(1) =     1156.55  QU(N) =     543.17  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.225    5014.1   1156.55   1149.00   1121.12      1.00      75.0    5014.1    5014.1       0.0       0.0

TT =    2.2500          DTH =  0.0250          ITERR =   1
QU(1) =     5048.51     YU(1) =     1156.58  QU(N) =     543.19  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.250    5048.5   1156.58   1149.00   1121.13      1.00      75.0    5048.5    5048.5       0.0       0.0

TT =    2.2750          DTH =  0.0250          ITERR =   1
QU(1) =     5086.53     YU(1) =     1156.62  QU(N) =     543.00  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.275    5086.5   1156.62   1149.00   1121.13      1.00      75.0    5086.5    5086.5       0.0       0.0

TT =    2.3000          DTH =  0.0250          ITERR =   1
QU(1) =     5128.80     YU(1) =     1156.66  QU(N) =     543.40  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.300    5128.8   1156.66   1149.00   1121.14      1.00      75.0    5128.8    5128.8       0.0       0.0
```

```
TT =    2.3250          DTH =  0.0250          ITERR =   1
QU(1) =     5175.03     YU(1) =     1156.70  QU(N) =      543.89  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.325    5175.0   1156.70   1149.00   1121.15      1.00      75.0    5175.0    5175.0       0.0       0.0

TT =    2.3500          DTH =  0.0250          ITERR =   1
QU(1) =     5225.14     YU(1) =     1156.75  QU(N) =      542.94  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.350    5225.1   1156.75   1149.00   1121.16      1.00      75.0    5225.1    5225.1       0.0       0.0

TT =    2.3750          DTH =  0.0250          ITERR =   1
QU(1) =     5278.92     YU(1) =     1156.80  QU(N) =      542.54  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.375    5278.9   1156.80   1149.00   1121.16      1.00      75.0    5278.9    5278.9       0.0       0.0

TT =    2.4000          DTH =  0.0250          ITERR =   1
QU(1) =     5336.28     YU(1) =     1156.86  QU(N) =      543.70  YU(N) =      869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.400    5336.3   1156.86   1149.00   1121.17      1.00      75.0    5336.3    5336.3       0.0       0.0
```

```
TT =    2.4250          DTH =  0.0250          ITERR =   1
QU(1) =     5397.14     YU(1) =     1156.92  QU(N) =     541.75  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.425     5397.1   1156.92   1149.00   1121.18      1.00      75.0    5397.1    5397.1       0.0       0.0

TT =    2.4500          DTH =  0.0250          ITERR =   1
QU(1) =     5461.28     YU(1) =     1156.98  QU(N) =     535.43  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.450     5461.3   1156.98   1149.00   1121.19      1.00      75.0    5461.3    5461.3       0.0       0.0

TT =    2.4750          DTH =  0.0250          ITERR =   1
QU(1) =     5528.49     YU(1) =     1157.04  QU(N) =     547.77  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.475     5528.5   1157.04   1149.00   1121.20      1.00      75.0    5528.5    5528.5       0.0       0.0

TT =    2.5000          DTH =  0.0250          ITERR =   1
QU(1) =     5598.69     YU(1) =     1157.11  QU(N) =     574.58  YU(N) =     869.80
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.500     5598.7   1157.11   1149.00   1121.21      1.00      75.0    5598.7    5598.7       0.0       0.0
```

```
TT =   2.5250          DTH =  0.0250          ITERR =   1
QU(1) =    5668.59     YU(1) =    1157.17  QU(N) =     596.37  YU(N) =     869.81
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.525	5668.6	1157.17	1149.00	1121.22	1.00	75.0	5668.6	5668.6	0.0	0.0

```
TT =   2.5500          DTH =  0.0250          ITERR =   1
QU(1) =    5735.00     YU(1) =    1157.24  QU(N) =     608.03  YU(N) =     869.81
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.550	5735.0	1157.24	1149.00	1121.23	1.00	75.0	5735.0	5735.0	0.0	0.0

```
TT =   2.5750          DTH =  0.0250          ITERR =   1
QU(1) =    5798.08     YU(1) =    1157.29  QU(N) =     630.18  YU(N) =     869.82
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.575	5798.1	1157.29	1149.00	1121.24	1.00	75.0	5798.1	5798.1	0.0	0.0

```
TT =   2.6000          DTH =  0.0250          ITERR =   1
QU(1) =    5857.91     YU(1) =    1157.35  QU(N) =     688.75  YU(N) =     869.83
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.600	5857.9	1157.35	1149.00	1121.25	1.00	75.0	5857.9	5857.9	0.0	0.0

```
TT =   2.6250          DTH =  0.0250          ITERR =   1
QU(1) =     5914.69    YU(1) =     1157.40  QU(N) =     799.67  YU(N) =     869.85
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.625    5914.7   1157.40   1149.00   1121.26      1.00      75.0    5914.7    5914.7       0.0       0.0

TT =   2.6500          DTH =  0.0250          ITERR =   1
QU(1) =     5968.50    YU(1) =     1157.45  QU(N) =     863.78  YU(N) =     869.86
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.650    5968.5   1157.45   1149.00   1121.27      1.00      75.0    5968.5    5968.5       0.0       0.0

TT =   2.6750          DTH =  0.0250          ITERR =   1
QU(1) =     6019.43    YU(1) =     1157.50  QU(N) =     771.54  YU(N) =     869.84
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.675    6019.4   1157.50   1149.00   1121.27      1.00      75.0    6019.4    6019.4       0.0       0.0

TT =   2.7000          DTH =  0.0250          ITERR =   1
QU(1) =     6067.72    YU(1) =     1157.54  QU(N) =    1031.56  YU(N) =     869.88
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    1     2.700    6067.7   1157.54   1149.00   1121.28      1.00      75.0    6067.7    6067.7       0.0       0.0
```

```
TT =    2.7250          DTH =  0.0250          ITERR =    1
QU(1) =     6113.31     YU(1) =     1157.58  QU(N) =     2392.49  YU(N) =     870.01
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.725	6113.3	1157.58	1149.00	1121.29	1.00	75.0	6113.3	6113.3	0.0	0.0

```
TT =    2.7500          DTH =  0.0250          ITERR =    1
QU(1) =     6156.46     YU(1) =     1157.62  QU(N) =     5056.73  YU(N) =     870.17
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	1	2.750	6156.5	1157.62	1149.00	1121.29	1.00	75.0	6156.5	6156.5	0.0	0.0

```
TT =    2.7750          DTH =  0.0250          ITERR =    0
QU(1) =     6194.36     YU(1) =     1157.66  QU(N) =     7192.74  YU(N) =     870.27
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.775	6194.4	1157.66	1149.00	1121.30	1.00	75.0	6194.4	6194.4	0.0	0.0

```
TT =    2.8000          DTH =  0.0250          ITERR =    0
QU(1) =     6224.36     YU(1) =     1157.69  QU(N) =     8334.41  YU(N) =     870.33
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.800	6224.4	1157.69	1149.00	1121.30	1.00	75.0	6224.4	6224.4	0.0	0.0

```
TT =   2.8250          DTH =  0.0250          ITERR =   0
QU(1) =    6246.85     YU(1) =    1157.71  QU(N) =    8946.42  YU(N) =     870.36
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.825	6246.8	1157.71	1149.00	1121.30	1.00	75.0	6246.8	6246.8	0.0	0.0

```
TT =   2.8500          DTH =  0.0250          ITERR =   0
QU(1) =    6261.88     YU(1) =    1157.72  QU(N) =    9228.21  YU(N) =     870.37
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.850	6261.9	1157.72	1149.00	1121.31	1.00	75.0	6261.9	6261.9	0.0	0.0

```
TT =   2.8750          DTH =  0.0250          ITERR =   0
QU(1) =    6269.69     YU(1) =    1157.73  QU(N) =    9351.46  YU(N) =     870.38
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.875	6269.7	1157.73	1149.00	1121.31	1.00	75.0	6269.7	6269.7	0.0	0.0

```
TT =   2.9000          DTH =  0.0250          ITERR =   0
QU(1) =    6270.49     YU(1) =    1157.73  QU(N) =    9379.13  YU(N) =     870.38
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	2.900	6270.5	1157.73	1149.00	1121.31	1.00	75.0	6270.5	6270.5	0.0	0.0

```
TT =    2.9250          DTH =   0.0250          ITERR =    0
QU(1) =     6264.39     YU(1) =     1157.72  QU(N) =     9353.61  YU(N) =     870.38
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.925     6264.4   1157.72   1149.00   1121.31      1.00      75.0    6264.4    6264.4       0.0       0.0

TT =    2.9500          DTH =   0.0250          ITERR =    0
QU(1) =     6251.53     YU(1) =     1157.71  QU(N) =     9294.33  YU(N) =     870.38
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.950     6251.5   1157.71   1149.00   1121.31      1.00      75.0    6251.5    6251.5       0.0       0.0

TT =    2.9753          DTH =   0.0253          ITERR =    0
QU(1) =     6231.65     YU(1) =     1157.69  QU(N) =     9217.82  YU(N) =     870.38
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     2.975     6231.7   1157.69   1149.00   1121.30      1.00      75.0    6231.7    6231.7       0.0       0.0

TT =    3.0008          DTH =   0.0255          ITERR =    0
QU(1) =     6204.84     YU(1) =     1157.67  QU(N) =     9128.84  YU(N) =     870.37
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.001     6204.8   1157.67   1149.00   1121.30      1.00      75.0    6204.8    6204.8       0.0       0.0
```

```
TT =    3.0265          DTH =  0.0258          ITERR =    0
QU(1) =     6172.40     YU(1) =     1157.64  QU(N) =     9033.12  YU(N) =     870.37
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.027	6172.4	1157.64	1149.00	1121.29	1.00	75.0	6172.4	6172.4	0.0	0.0

```
TT =    3.0525          DTH =  0.0260          ITERR =    0
QU(1) =     6135.45     YU(1) =     1157.60  QU(N) =     8931.65  YU(N) =     870.36
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.053	6135.4	1157.60	1149.00	1121.29	1.00	75.0	6135.4	6135.4	0.0	0.0

```
TT =    3.0788          DTH =  0.0263          ITERR =    0
QU(1) =     6093.91     YU(1) =     1157.57  QU(N) =     8827.70  YU(N) =     870.36
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.079	6093.9	1157.57	1149.00	1121.28	1.00	75.0	6093.9	6093.9	0.0	0.0

```
TT =    3.1053          DTH =  0.0265          ITERR =    0
QU(1) =     6047.81     YU(1) =     1157.52  QU(N) =     8721.89  YU(N) =     870.35
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.105	6047.8	1157.52	1149.00	1121.28	1.00	75.0	6047.8	6047.8	0.0	0.0

```
TT =   3.1321          DTH =  0.0268          ITERR =   0
QU(1) =     5996.91    YU(1) =     1157.48  QU(N) =     8614.58  YU(N) =     870.35
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0     3.132    5996.9   1157.48   1149.00   1121.27      1.00     75.0    5996.9   5996.9      0.0     0.0

TT =   3.1592          DTH =  0.0271          ITERR =   0
QU(1) =     5941.24    YU(1) =     1157.43  QU(N) =     8508.84  YU(N) =     870.35
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0     3.159    5941.2   1157.43   1149.00   1121.26      1.00     75.0    5941.2   5941.2      0.0     0.0

TT =   3.1866          DTH =  0.0273          ITERR =   0
QU(1) =     5880.57    YU(1) =     1157.37  QU(N) =     8405.92  YU(N) =     870.34
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0     3.187    5880.6   1157.37   1149.00   1121.25      1.00     75.0    5880.6   5880.6      0.0     0.0

TT =   3.2142          DTH =  0.0276          ITERR =   0
QU(1) =     5814.94    YU(1) =     1157.31  QU(N) =     8305.11  YU(N) =     870.34
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)   QBRECH   QOVTOP   QOTHR
1    0     3.214    5814.9   1157.31   1149.00   1121.24      1.00     75.0    5814.9   5814.9      0.0     0.0
```

```
TT =   3.2421          DTH =  0.0279          ITERR =   0
GU(1) =     5744.01    YU(1) =     1157.24  GU(N) =     8201.95  YU(N) =     870.33
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.242	5744.0	1157.24	1149.00	1121.23	1.00	75.0	5744.0	5744.0	0.0	0.0

```
TT =   3.2702          DTH =  0.0282          ITERR =   0
GU(1) =     5668.93    YU(1) =     1157.17  GU(N) =     8094.28  YU(N) =     870.33
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.270	5668.9	1157.17	1149.00	1121.22	1.00	75.0	5668.9	5668.9	0.0	0.0

```
TT =   3.2987          DTH =  0.0285          ITERR =   0
GU(1) =     5591.03    YU(1) =     1157.10  GU(N) =     7987.64  YU(N) =     870.32
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.299	5591.0	1157.10	1149.00	1121.21	1.00	75.0	5591.0	5591.0	0.0	0.0

```
TT =   3.3274          DTH =  0.0287          ITERR =   0
GU(1) =     5510.61    YU(1) =     1157.03  GU(N) =     7879.13  YU(N) =     870.32
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	GU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.327	5510.6	1157.03	1149.00	1121.20	1.00	75.0	5510.6	5510.6	0.0	0.0

```
TT =    3.3564          DTH =  0.0290          ITERR =   0
QU(1) =     5427.69     YU(1) =     1156.95  QU(N) =     7771.85  YU(N) =     870.31
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.356	5427.7	1156.95	1149.00	1121.19	1.00	75.0	5427.7	5427.7	0.0	0.0

```
TT =    3.3858          DTH =  0.0293          ITERR =   0
QU(1) =     5342.16     YU(1) =     1156.87  QU(N) =     7663.42  YU(N) =     870.31
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.386	5342.2	1156.87	1149.00	1121.17	1.00	75.0	5342.2	5342.2	0.0	0.0

```
TT =    3.4154          DTH =  0.0296          ITERR =   0
QU(1) =     5253.94     YU(1) =     1156.78  QU(N) =     7555.74  YU(N) =     870.30
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.415	5253.9	1156.78	1149.00	1121.16	1.00	75.0	5253.9	5253.9	0.0	0.0

```
TT =    3.4453          DTH =  0.0299          ITERR =   0
QU(1) =     5162.97     YU(1) =     1156.69  QU(N) =     7448.28  YU(N) =     870.30
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.445	5163.0	1156.69	1149.00	1121.15	1.00	75.0	5163.0	5163.0	0.0	0.0

```
TT =   3.4755          DTH =  0.0302          ITERR =   0
QU(1) =     5069.16    YU(1) =     1156.60  QU(N) =     7340.87  YU(N) =     870.29
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.475	5069.2	1156.60	1149.00	1121.13	1.00	75.0	5069.2	5069.2	0.0	0.0

```
TT =   3.5060          DTH =  0.0305          ITERR =   0
QU(1) =     4972.60    YU(1) =     1156.51  QU(N) =     7233.67  YU(N) =     870.29
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.506	4972.6	1156.51	1149.00	1121.12	1.00	75.0	4972.6	4972.6	0.0	0.0

```
TT =   3.5368          DTH =  0.0308          ITERR =   0
QU(1) =     4873.90    YU(1) =     1156.41  QU(N) =     7128.33  YU(N) =     870.28
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.537	4873.9	1156.41	1149.00	1121.10	1.00	75.0	4873.9	4873.9	0.0	0.0

```
TT =   3.5679          DTH =  0.0311          ITERR =   0
QU(1) =     4773.64    YU(1) =     1156.31  QU(N) =     7021.96  YU(N) =     870.28
FRDM=    0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.568	4773.6	1156.31	1149.00	1121.09	1.00	75.0	4773.6	4773.6	0.0	0.0

```
TT =   3.5993          DTH =  0.0314          ITERR =   0
QU(1) =     4671.85    YU(1) =     1156.21  QU(N) =     6914.74  YU(N) =     870.27
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.599    4671.8   1156.21   1149.00   1121.07      1.00      75.0    4671.8    4671.8       0.0       0.0

TT =   3.6311          DTH =  0.0317          ITERR =   0
QU(1) =     4568.43    YU(1) =     1156.10  QU(N) =     6810.00  YU(N) =     870.27
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.631    4568.4   1156.10   1149.00   1121.05      1.00      75.0    4568.4    4568.4       0.0       0.0

TT =   3.6631          DTH =  0.0321          ITERR =   0
QU(1) =     4463.34    YU(1) =     1156.00  QU(N) =     6703.54  YU(N) =     870.27
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.663    4463.3   1156.00   1149.00   1121.04      1.00      75.0    4463.3    4463.3       0.0       0.0

TT =   3.6955          DTH =  0.0324          ITERR =   0
QU(1) =     4356.93    YU(1) =     1155.89  QU(N) =     6599.44  YU(N) =     870.26
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.696    4356.9   1155.89   1149.00   1121.02      1.00      75.0    4356.9    4356.9       0.0       0.0
```

```
TT =    3.7282          DTH =   0.0327          ITERR =    0
QU(1) =     4249.82     YU(1) =     1155.78  QU(N) =     6494.20  YU(N) =     870.26
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.728     4249.8   1155.78   1149.00   1121.00      1.00      75.0    4249.8    4249.8       0.0       0.0

TT =    3.7613          DTH =   0.0330          ITERR =    0
QU(1) =     4142.24     YU(1) =     1155.67  QU(N) =     6391.44  YU(N) =     870.25
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.761     4142.2   1155.67   1149.00   1120.98      1.00      75.0    4142.2    4142.2       0.0       0.0

TT =    3.7946          DTH =   0.0334          ITERR =    0
QU(1) =     4035.00     YU(1) =     1155.55  QU(N) =     6290.95  YU(N) =     870.25
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.795     4035.0   1155.55   1149.00   1120.96      1.00      75.0    4035.0    4035.0       0.0       0.0

TT =    3.8283          DTH =   0.0337          ITERR =    0
QU(1) =     3928.61     YU(1) =     1155.44  QU(N) =     6192.14  YU(N) =     870.24
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     3.828     3928.6   1155.44   1149.00   1120.94      1.00      75.0    3928.6    3928.6       0.0       0.0
```

```
TT =   3.8624          DTH =  0.0340          ITERR =   0
QU(1) =     3823.13    YU(1) =     1155.33  QU(N) =     6095.28  YU(N) =     870.24
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.862	3823.1	1155.33	1149.00	1120.93	1.00	75.0	3823.1	3823.1	0.0	0.0

```
TT =   3.8967          DTH =  0.0344          ITERR =   0
QU(1) =     3718.45    YU(1) =     1155.21  QU(N) =     5998.46  YU(N) =     870.23
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.897	3718.5	1155.21	1149.00	1120.91	1.00	75.0	3718.5	3718.5	0.0	0.0

```
TT =   3.9314          DTH =  0.0347          ITERR =   0
QU(1) =     3614.71    YU(1) =     1155.10  QU(N) =     5905.61  YU(N) =     870.23
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.931	3614.7	1155.10	1149.00	1120.89	1.00	75.0	3614.7	3614.7	0.0	0.0

```
TT =   3.9665          DTH =  0.0351          ITERR =   0
QU(1) =     3511.80    YU(1) =     1154.98  QU(N) =     5816.79  YU(N) =     870.22
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	3.967	3511.8	1154.98	1149.00	1120.87	1.00	75.0	3511.8	3511.8	0.0	0.0

```
TT =    4.0019          DTH =   0.0354          ITERR =    0
QU(1) =     3409.75     YU(1) =     1154.87  QU(N) =     5734.80  YU(N) =     870.22
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.002	3409.8	1154.87	1149.00	1120.85	1.00	75.0	3409.8	3409.8	0.0	0.0

```
TT =    4.0377          DTH =   0.0358          ITERR =    0
QU(1) =     3309.15     YU(1) =     1154.76  QU(N) =     5645.71  YU(N) =     870.21
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.038	3309.1	1154.76	1149.00	1120.83	1.00	75.0	3309.1	3309.1	0.0	0.0

```
TT =    4.0738          DTH =   0.0361          ITERR =    0
QU(1) =     3210.41     YU(1) =     1154.64  QU(N) =     5558.31  YU(N) =     870.21
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.074	3210.4	1154.64	1149.00	1120.81	1.00	75.0	3210.4	3210.4	0.0	0.0

```
TT =    4.1103          DTH =   0.0365          ITERR =    0
QU(1) =     3113.51     YU(1) =     1154.53  QU(N) =     5473.17  YU(N) =     870.20
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.110	3113.5	1154.53	1149.00	1120.79	1.00	75.0	3113.5	3113.5	0.0	0.0

```
TT =   4.1472          DTH =  0.0369          ITERR =   0
QU(1) =     3018.43    YU(1) =     1154.42  QU(N) =     5393.44  YU(N) =     870.20
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.147     3018.4   1154.42   1149.00   1120.78      1.00      75.0    3018.4    3018.4       0.0       0.0

TT =   4.1844          DTH =  0.0372          ITERR =   0
QU(1) =     2925.27    YU(1) =     1154.31  QU(N) =     5317.79  YU(N) =     870.20
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.184     2925.3   1154.31   1149.00   1120.76      1.00      75.0    2925.3    2925.3       0.0       0.0

TT =   4.2220          DTH =  0.0376          ITERR =   0
QU(1) =     2833.89    YU(1) =     1154.20  QU(N) =     5248.11  YU(N) =     870.19
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.222     2833.9   1154.20   1149.00   1120.74      1.00      75.0    2833.9    2833.9       0.0       0.0

TT =   4.2599          DTH =  0.0380          ITERR =   0
QU(1) =     2744.48    YU(1) =     1154.09  QU(N) =     5183.28  YU(N) =     870.19
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.260     2744.5   1154.09   1149.00   1120.72      1.00      75.0    2744.5    2744.5       0.0       0.0
```

```
TT =    4.2983          DTH =  0.0383          ITERR =    0
QU(1) =     2656.92     YU(1) =     1153.99  QU(N) =     5124.62  YU(N) =     870.19
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.298    2656.9   1153.99   1149.00   1120.70      1.00      75.0    2656.9    2656.9       0.0       0.0

TT =    4.3370          DTH =  0.0387          ITERR =    0
QU(1) =     2571.28     YU(1) =     1153.88  QU(N) =     5073.83  YU(N) =     870.18
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.337    2571.3   1153.88   1149.00   1120.68      1.00      75.0    2571.3    2571.3       0.0       0.0

TT =    4.3761          DTH =  0.0391          ITERR =    0
QU(1) =     2487.54     YU(1) =     1153.78  QU(N) =     5030.39  YU(N) =     870.18
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.376    2487.5   1153.78   1149.00   1120.67      1.00      75.0    2487.5    2487.5       0.0       0.0

TT =    4.4157          DTH =  0.0395          ITERR =    0
QU(1) =     2405.67     YU(1) =     1153.67  QU(N) =     4994.66  YU(N) =     870.18
FRDM=     0.72  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.416    2405.7   1153.67   1149.00   1120.65      1.00      75.0    2405.7    2405.7       0.0       0.0
```

```
TT =    4.4556          DTH =   0.0399          ITERR =   0
QU(1) =     2325.76     YU(1) =     1153.57  QU(N) =     4968.22  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.456	2325.8	1153.57	1149.00	1120.63	1.00	75.0	2325.8	2325.8	0.0	0.0

```
TT =    4.4959          DTH =   0.0403          ITERR =   0
QU(1) =     2247.76     YU(1) =     1153.47  QU(N) =     4952.61  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.496	2247.8	1153.47	1149.00	1120.61	1.00	75.0	2247.8	2247.8	0.0	0.0

```
TT =    4.5366          DTH =   0.0407          ITERR =   0
QU(1) =     2171.69     YU(1) =     1153.37  QU(N) =     4946.43  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.537	2171.7	1153.37	1149.00	1120.59	1.00	75.0	2171.7	2171.7	0.0	0.0

```
TT =    4.5777          DTH =   0.0411          ITERR =   0
QU(1) =     2097.61     YU(1) =     1153.27  QU(N) =     4953.14  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.578	2097.6	1153.27	1149.00	1120.58	1.00	75.0	2097.6	2097.6	0.0	0.0

```
TT =    4.6192          DTH =  0.0415          ITERR =    0
QU(1) =     2025.46     YU(1) =     1153.17  QU(N) =     4973.82  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.619    2025.5   1153.17   1149.00   1120.56      1.00      75.0    2025.5    2025.5       0.0       0.0

TT =    4.6612          DTH =  0.0419          ITERR =    0
QU(1) =     1955.29     YU(1) =     1153.08  QU(N) =     5008.85  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.661    1955.3   1153.08   1149.00   1120.54      1.00      75.0    1955.3    1955.3       0.0       0.0

TT =    4.7035          DTH =  0.0424          ITERR =    0
QU(1) =     1887.08     YU(1) =     1152.98  QU(N) =     5058.99  YU(N) =     870.18
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.704    1887.1   1152.98   1149.00   1120.53      1.00      75.0    1887.1    1887.1       0.0       0.0

TT =    4.7463          DTH =  0.0428          ITERR =    0
QU(1) =     1820.79     YU(1) =     1152.89  QU(N) =     5126.43  YU(N) =     870.19
FRDM=     0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     4.746    1820.8   1152.89   1149.00   1120.51      1.00      75.0    1820.8    1820.8       0.0       0.0
```

```
TT =    4.7895          DTH =   0.0432          ITERR =    0
QU(1) =     1756.38     YU(1) =     1152.80  QU(N) =     5207.74  YU(N) =     870.19
FRDM=    0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.790    1756.4   1152.80   1149.00   1120.49      1.00     75.0    1756.4    1756.4       0.0      0.0

TT =    4.8332          DTH =   0.0436          ITERR =    0
QU(1) =     1693.91     YU(1) =     1152.71  QU(N) =     5303.93  YU(N) =     870.20
FRDM=    0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.833    1693.9   1152.71   1149.00   1120.48      1.00     75.0    1693.9    1693.9       0.0      0.0

TT =    4.8773          DTH =   0.0441          ITERR =    0
QU(1) =     1633.34     YU(1) =     1152.62  QU(N) =     5412.15  YU(N) =     870.20
FRDM=    0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.877    1633.3   1152.62   1149.00   1120.46      1.00     75.0    1633.3    1633.3       0.0      0.0

TT =    4.9218          DTH =   0.0445          ITERR =    0
QU(1) =     1574.63     YU(1) =     1152.54  QU(N) =     5527.47  YU(N) =     870.21
FRDM=    0.72  IIFR=    64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT      Q(I)        H2        YB        D       SUB       BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     4.922    1574.6   1152.54   1149.00   1120.45      1.00     75.0    1574.6    1574.6       0.0      0.0
```

```
TT =    4.9667          DTH =  0.0450          ITERR =    0
QU(1) =     1517.84     YU(1) =     1152.45  QU(N) =     5645.49  YU(N) =     870.21
FRDM=     0.71  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	4.967	1517.8	1152.45	1149.00	1120.43	1.00	75.0	1517.8	1517.8	0.0	0.0

```
TT =    5.0122          DTH =  0.0454          ITERR =    0
QU(1) =     1462.83     YU(1) =     1152.37  QU(N) =     5760.85  YU(N) =     870.22
FRDM=     0.71  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.012	1462.8	1152.37	1149.00	1120.42	1.00	75.0	1462.8	1462.8	0.0	0.0

```
TT =    5.0580          DTH =  0.0459          ITERR =    0
QU(1) =     1409.66     YU(1) =     1152.29  QU(N) =     5873.00  YU(N) =     870.22
FRDM=     0.71  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.058	1409.7	1152.29	1149.00	1120.40	1.00	75.0	1409.7	1409.7	0.0	0.0

```
TT =    5.1044          DTH =  0.0463          ITERR =    0
QU(1) =     1358.28     YU(1) =     1152.21  QU(N) =     5972.15  YU(N) =     870.23
FRDM=     0.71  IIFR=    64  FRM=0.01 IIFM=     1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.104	1358.3	1152.21	1149.00	1120.39	1.00	75.0	1358.3	1358.3	0.0	0.0

```
TT =    5.1512          DTH =  0.0468          ITERR =   0
QU(1) =     1308.65     YU(1) =     1152.13  QU(N) =     6042.39  YU(N) =     870.23
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.151     1308.7   1152.13   1149.00   1120.37      1.00      75.0    1308.7    1308.7       0.0       0.0

TT =    5.1984          DTH =  0.0473          ITERR =   0
QU(1) =     1260.75     YU(1) =     1152.05  QU(N) =     6093.21  YU(N) =     870.24
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.198     1260.7   1152.05   1149.00   1120.36      1.00      75.0    1260.7    1260.7       0.0       0.0

TT =    5.2462          DTH =  0.0477          ITERR =   0
QU(1) =     1214.52     YU(1) =     1151.98  QU(N) =     6122.07  YU(N) =     870.24
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.246     1214.5   1151.98   1149.00   1120.34      1.00      75.0    1214.5    1214.5       0.0       0.0

TT =    5.2944          DTH =  0.0482          ITERR =   0
QU(1) =     1169.94     YU(1) =     1151.91  QU(N) =     6128.52  YU(N) =     870.24
FRDM=     0.71  IIFR=   64  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.294     1169.9   1151.91   1149.00   1120.33      1.00      75.0    1169.9    1169.9       0.0       0.0
```

```
TT =   5.3431          DTH =  0.0487          ITERR =   0
QU(1) =     1126.96    YU(1) =     1151.84  QU(N) =     6116.90  YU(N) =     870.24
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.343     1127.0   1151.84   1149.00   1120.32      1.00      75.0    1127.0    1127.0       0.0      0.0

TT =   5.3922          DTH =  0.0492          ITERR =   0
QU(1) =     1085.56    YU(1) =     1151.77  QU(N) =     6087.58  YU(N) =     870.24
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.392     1085.6   1151.77   1149.00   1120.31      1.00      75.0    1085.6    1085.6       0.0      0.0

TT =   5.4419          DTH =  0.0497          ITERR =   0
QU(1) =     1045.62    YU(1) =     1151.70  QU(N) =     6043.83  YU(N) =     870.23
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.442     1045.6   1151.70   1149.00   1120.29      1.00      75.0    1045.6    1045.6       0.0      0.0

TT =   5.4921          DTH =  0.0502          ITERR =   0
QU(1) =     1007.17    YU(1) =     1151.63  QU(N) =     5985.70  YU(N) =     870.23
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP    QOTHR
1    0     5.492     1007.2   1151.63   1149.00   1120.28      1.00      75.0    1007.2    1007.2       0.0      0.0
```

```
TT =    5.5427          DTH =  0.0507          ITERR =    0
QU(1) =      970.37     YU(1) =     1151.57  QU(N) =     5916.96  YU(N) =      870.23
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.543      970.4   1151.57   1149.00   1120.27      1.00      75.0      970.4     970.4       0.0       0.0

TT =    5.5939          DTH =  0.0512          ITERR =    0
QU(1) =      935.34     YU(1) =     1151.51  QU(N) =     5839.42  YU(N) =      870.22
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.594      935.3   1151.51   1149.00   1120.26      1.00      75.0      935.3     935.3       0.0       0.0

TT =    5.6456          DTH =  0.0517          ITERR =    0
QU(1) =      902.07     YU(1) =     1151.45  QU(N) =     5757.18  YU(N) =      870.22
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.646      902.1   1151.45   1149.00   1120.25      1.00      75.0      902.1     902.1       0.0       0.0

TT =    5.6978          DTH =  0.0522          ITERR =    0
QU(1) =      870.49     YU(1) =     1151.39  QU(N) =     5663.14  YU(N) =      870.21
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB      QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.698      870.5   1151.39   1149.00   1120.23      1.00      75.0      870.5     870.5       0.0       0.0
```

```
TT =    5.7505          DTH =   0.0527          ITERR =    0
QU(1) =      840.53     YU(1) =     1151.34  QU(N) =     5561.45  YU(N) =      870.21
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.751      840.5   1151.34   1149.00   1120.22      1.00      75.0     840.5     840.5       0.0       0.0

TT =    5.8038          DTH =   0.0533          ITERR =    0
QU(1) =      812.10     YU(1) =     1151.28  QU(N) =     5454.13  YU(N) =      870.20
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.804      812.1   1151.28   1149.00   1120.21      1.00      75.0     812.1     812.1       0.0       0.0

TT =    5.8576          DTH =   0.0538          ITERR =    0
QU(1) =      785.22     YU(1) =     1151.23  QU(N) =     5342.77  YU(N) =      870.20
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.858      785.2   1151.23   1149.00   1120.20      1.00      75.0     785.2     785.2       0.0       0.0

TT =    5.9119          DTH =   0.0543          ITERR =    0
QU(1) =      759.78     YU(1) =     1151.19  QU(N) =     5230.04  YU(N) =      870.19
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     5.912      759.8   1151.19   1149.00   1120.19      1.00      75.0     759.8     759.8       0.0       0.0
```

```
TT =    5.9668          DTH =  0.0549          ITERR =   0
QU(1) =      735.67     YU(1) =     1151.14  QU(N) =     5114.61  YU(N) =     870.19
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	5.967	735.7	1151.14	1149.00	1120.19	1.00	75.0	735.7	735.7	0.0	0.0

```
TT =    6.0222          DTH =  0.0554          ITERR =   0
QU(1) =      712.86     YU(1) =     1151.10  QU(N) =     4998.22  YU(N) =     870.18
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.022	712.9	1151.10	1149.00	1120.18	1.00	75.0	712.9	712.9	0.0	0.0

```
TT =    6.0782          DTH =  0.0560          ITERR =   0
QU(1) =      691.33     YU(1) =     1151.05  QU(N) =     4879.87  YU(N) =     870.17
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.078	691.3	1151.05	1149.00	1120.17	1.00	75.0	691.3	691.3	0.0	0.0

```
TT =    6.1347          DTH =  0.0565          ITERR =   0
QU(1) =      670.96     YU(1) =     1151.01  QU(N) =     4761.77  YU(N) =     870.17
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1
```

RESERVOIR OUTFLOW INFORMATION

I	K	TT	Q(I)	H2	YB	D	SUB	BB	QU(1)	QBRECH	QOVTOP	QOTHR
1	0	6.135	671.0	1151.01	1149.00	1120.16	1.00	75.0	671.0	671.0	0.0	0.0

```
TT =    6.1918          DTH =  0.0571          ITERR =    0
QU(1) =      651.68     YU(1) =     1150.97  QU(N) =     4642.03  YU(N) =      870.16
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.192      651.7   1150.97   1149.00   1120.15      1.00      75.0     651.7     651.7       0.0       0.0

TT =    6.2495          DTH =  0.0577          ITERR =    0
QU(1) =      633.45     YU(1) =     1150.94  QU(N) =     4519.62  YU(N) =      870.15
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.249      633.4   1150.94   1149.00   1120.15      1.00      75.0     633.4     633.4       0.0       0.0

TT =    6.3077          DTH =  0.0582          ITERR =    0
QU(1) =      616.19     YU(1) =     1150.90  QU(N) =     4397.33  YU(N) =      870.15
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.308      616.2   1150.90   1149.00   1120.14      1.00      75.0     616.2     616.2       0.0       0.0

TT =    6.3665          DTH =  0.0588          ITERR =    0
QU(1) =      599.83     YU(1) =     1150.87  QU(N) =     4275.33  YU(N) =      870.14
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.367      599.8   1150.87   1149.00   1120.13      1.00      75.0     599.8     599.8       0.0       0.0
```

```
TT =    6.4260          DTH =  0.0594          ITERR =   0
QU(1) =      584.33     YU(1) =     1150.84  QU(N) =     4153.93  YU(N) =      870.13
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.426      584.3   1150.84   1149.00   1120.13      1.00      75.0     584.3     584.3       0.0       0.0

TT =    6.4860          DTH =  0.0600          ITERR =   0
QU(1) =      569.63     YU(1) =     1150.81  QU(N) =     4034.61  YU(N) =      870.13
FRDM=     0.71  IIFR=   82  FRM=0.01 IIFM=    1

RESERVOIR OUTFLOW INFORMATION
I    K        TT       Q(I)        H2        YB         D       SUB        BB     QU(1)    QBRECH    QOVTOP     QOTHR
1    0     6.486      569.6   1150.81   1149.00   1120.12      1.00      75.0     569.6     569.6       0.0       0.0

ROUTING COMPLETED

KTIME=  206     ALLOWABLE KTIME= 699          TT=    6.5
```

PROFILE OF CRESTS AND TIMES FOR SIN. 88+00PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.000	1163.20	11661	0.000	0.33	0.00	0.00
0.379	1121.94	11661	0.500	5.03	0.00	0.00
0.386	1121.37	11637	0.500	4.99	0.00	0.00
0.394	1120.79	11615	0.500	4.95	0.00	0.00
0.401	1120.22	11593	0.500	4.91	0.00	0.00
0.409	1119.65	11570	0.525	4.87	0.00	0.00
0.416	1119.09	11581	0.525	4.84	0.00	0.00
0.424	1118.52	11590	0.525	4.80	0.00	0.00
0.431	1117.96	11596	0.525	4.77	0.00	0.00
0.438	1117.39	11599	0.525	4.74	0.00	0.00
0.446	1116.83	11599	0.525	4.71	0.00	0.00
0.453	1116.27	11597	0.525	4.68	0.00	0.00
0.461	1115.70	11592	0.525	4.65	0.00	0.00
0.468	1115.14	11585	0.525	4.63	0.00	0.00
0.476	1114.58	11577	0.525	4.60	0.00	0.00
0.483	1114.02	11567	0.525	4.57	0.00	0.00
0.490	1113.46	11556	0.525	4.55	0.00	0.00
0.498	1112.90	11543	0.525	4.52	0.00	0.00
0.505	1112.35	11534	0.550	4.50	0.00	0.00
0.513	1111.79	11541	0.550	4.47	0.00	0.00
0.520	1111.24	11546	0.550	4.45	0.00	0.00
0.528	1110.68	11549	0.550	4.43	0.00	0.00
0.535	1110.12	11551	0.550	4.42	0.00	0.00
0.542	1109.57	11552	0.550	4.40	0.00	0.00
0.550	1109.01	11551	0.550	4.38	0.00	0.00
0.557	1108.46	11548	0.550	4.37	0.00	0.00
0.565	1107.90	11544	0.550	4.35	0.00	0.00
0.572	1107.34	11538	0.550	4.34	0.00	0.00
0.580	1106.78	11531	0.550	4.34	0.00	0.00
0.587	1106.22	11521	0.550	4.36	0.00	0.00
0.595	1105.65	11509	0.575	4.37	0.00	0.00
0.602	1105.09	11503	0.575	4.39	0.00	0.00
0.609	1104.53	11509	0.575	4.40	0.00	0.00
0.617	1103.96	11513	0.575	4.41	0.00	0.00
0.624	1103.40	11515	0.575	4.43	0.00	0.00
0.632	1102.83	11516	0.575	4.44	0.00	0.00
0.639	1102.26	11515	0.575	4.46	0.00	0.00
0.647	1101.70	11512	0.575	4.47	0.00	0.00
0.654	1101.13	11508	0.575	4.48	0.00	0.00
0.661	1100.57	11502	0.575	4.49	0.00	0.00
0.669	1100.00	11495	0.575	4.50	0.00	0.00
0.676	1099.43	11486	0.575	4.51	0.00	0.00
0.684	1098.86	11476	0.600	4.52	0.00	0.00
0.691	1098.30	11474	0.600	4.53	0.00	0.00
0.699	1097.73	11478	0.600	4.54	0.00	0.00
[illegible]	[illegible]	11431	0.600	4.55	0.00	0.00
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.721	1096.03	11484	0.600	4.57	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN 88+00PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
0.728	1095.47	11483	0.600	4.57	0.00	0.00
0.736	1094.90	11481	0.600	4.58	0.00	0.00
0.743	1094.33	11478	0.600	4.59	0.00	0.00
0.751	1093.77	11473	0.600	4.60	0.00	0.00
0.758	1093.20	11468	0.600	4.60	0.00	0.00
0.834	1087.78	11451	0.625	4.28	0.00	0.00
0.909	1082.20	11428	0.650	4.42	0.00	0.00
0.985	1076.79	11402	0.675	3.86	0.00	0.00
1.060	1071.08	11381	0.700	4.19	0.00	0.00
1.136	1065.61	11367	0.700	3.66	0.00	0.00
1.190	1062.46	11366	0.725	3.54	0.00	0.00
1.244	1059.26	11342	0.750	3.58	0.00	0.00
1.298	1056.06	11319	0.775	3.59	0.00	0.00
1.353	1052.75	11315	0.775	3.87	0.00	0.00
1.407	1049.62	11298	0.800	3.58	0.00	0.00
1.461	1046.12	11277	0.800	4.39	0.00	0.00
1.515	1043.30	11270	0.825	3.19	0.00	0.00
1.563	1041.66	11249	0.850	3.04	0.00	0.00
1.610	1040.02	11221	0.875	3.00	0.00	0.00
1.658	1038.53	11189	0.900	2.69	0.00	0.00
1.705	1036.60	11183	0.900	3.61	0.00	0.00
1.737	1034.60	11175	0.925	3.60	0.00	0.00
1.768	1032.60	11174	0.925	3.58	0.00	0.00
1.800	1030.59	11159	0.950	3.57	0.00	0.00
1.831	1028.61	11162	0.950	3.52	0.00	0.00
1.863	1026.59	11153	0.950	3.55	0.00	0.00
1.894	1024.64	11146	0.975	3.36	0.00	0.00
2.083	1013.07	11077	1.025	4.09	0.00	0.00
2.110	1011.33	11074	1.050	4.04	0.00	0.00
2.137	1009.58	11074	1.050	3.99	0.00	0.00
2.164	1007.83	11066	1.050	3.91	0.00	0.00
2.192	1006.05	11062	1.075	3.88	0.00	0.00
2.219	1004.32	11063	1.075	3.65	0.00	0.00
2.246	1002.36	11057	1.075	4.13	0.00	0.00
2.273	1000.94	11052	1.100	3.04	0.00	0.00
2.320	999.36	11030	1.125	2.81	0.00	0.00
2.367	997.80	11020	1.125	2.68	0.00	0.00
2.415	996.32	10998	1.150	2.51	0.00	0.00
2.462	994.62	10979	1.175	2.86	0.00	0.00
2.476	994.04	10973	1.175	2.84	0.00	0.00
2.489	993.45	10965	1.200	2.82	0.00	0.00
2.503	992.85	10962	1.200	2.81	0.00	0.00
2.516	992.24	10963	1.200	2.81	0.00	0.00
2.530	991.64	10962	1.200	2.81	0.00	0.00
2.543	991.03	10957	1.200	2.82	0.00	0.00
2.557	[illegible]	10947	1.225	2.82	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	2.82	[illegible]	[illegible]
2.584	989.21	10951	1.225	2.83	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 88+00PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
2.598	988.60	10948	1.225	2.83	0.00	0.00
2.611	987.98	10942	1.225	2.84	0.00	0.00
2.625	987.37	10932	1.250	2.84	0.00	0.00
2.638	986.77	10936	1.250	2.82	0.00	0.00
2.652	986.21	10934	1.250	2.69	0.00	0.00
2.660	985.92	10931	1.250	2.66	0.00	0.00
2.667	985.63	10929	1.250	2.63	0.00	0.00
2.675	985.35	10924	1.275	2.61	0.00	0.00
2.682	985.07	10916	1.275	2.58	0.00	0.00
2.690	984.79	10922	1.275	2.55	0.00	0.00
2.697	984.51	10926	1.275	2.52	0.00	0.00
2.705	984.23	10924	1.275	2.49	0.00	0.00
2.712	983.96	10917	1.275	2.47	0.00	0.00
2.720	983.68	10909	1.275	2.44	0.00	0.00
2.728	983.41	10903	1.300	2.41	0.00	0.00
2.735	983.14	10903	1.300	2.38	0.00	0.00
2.743	982.87	10904	1.300	2.36	0.00	0.00
2.750	982.60	10900	1.300	2.33	0.00	0.00
2.758	982.33	10896	1.300	2.31	0.00	0.00
2.765	982.07	10895	1.300	2.30	0.00	0.00
2.773	981.79	10894	1.300	2.31	0.00	0.00
2.781	981.51	10888	1.325	2.32	0.00	0.00
2.788	981.23	10880	1.325	2.33	0.00	0.00
2.796	980.96	10882	1.325	2.34	0.00	0.00
2.803	980.68	10882	1.325	2.35	0.00	0.00
2.811	980.40	10880	1.325	2.36	0.00	0.00
2.818	980.12	10874	1.325	2.37	0.00	0.00
2.826	979.83	10867	1.350	2.40	0.00	0.00
2.833	979.54	10864	1.350	2.44	0.00	0.00
2.841	979.22	10866	1.350	2.56	0.00	0.00
2.862	978.29	10861	1.350	2.51	0.00	0.00
2.883	977.35	10848	1.375	2.45	0.00	0.00
2.904	976.41	10848	1.375	2.39	0.00	0.00
2.925	975.46	10834	1.375	2.32	0.00	0.00
2.946	974.49	10829	1.400	2.30	0.00	0.00
2.967	973.51	10838	1.400	2.30	0.00	0.00
2.988	972.53	10816	1.425	2.30	0.00	0.00
3.009	971.54	10855	1.400	2.35	0.00	0.00
3.030	970.57	10799	1.450	2.36	0.00	0.00
3.125	965.51	10745	1.475	2.12	0.00	0.00
3.220	962.45	10666	1.550	2.02	0.00	0.00
3.244	961.44	10660	1.575	2.03	0.00	0.00
3.267	960.43	10656	1.575	2.03	0.00	0.00
3.291	959.41	10652	1.575	2.06	0.00	0.00
3.314	958.37	10636	1.600	2.15	0.00	0.00
3.338	[illegible]	10624	1.625	2.25	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	0.00
3.385	955.17	10602	1.650	2.41	0.00	0.00

PROFILE OF CRESTS AND TIMES FOR STN. 88+00PIPING
BELOW FRS#3 MCFCD

DISTANCE FROM DAM MILE	MAX ELEV FEET	MAX FLOW CFS	TIME MAX ELEV-HRS	MAX VEL FPS	FLOOD ELEV FEET	TIME FLOOD ELEV-HRS
********	********	********	********	********	**********	**********
3.409	954.09	10592	1.650	2.49	0.00	0.00
3.463	951.60	10552	1.700	2.42	0.00	0.00
3.517	949.10	10511	1.750	2.35	0.00	0.00
3.571	946.60	10533	1.775	2.27	0.00	0.00
3.626	944.08	10574	1.750	2.17	0.00	0.00
3.680	941.53	10492	1.800	2.06	0.00	0.00
3.734	938.95	10395	1.850	2.08	0.00	0.00
3.788	936.40	10387	1.875	1.99	0.00	0.00
3.851	933.61	10357	1.900	1.94	0.00	0.00
3.914	930.84	10328	1.950	1.89	0.00	0.00
3.977	928.06	10268	2.000	1.82	0.00	0.00
4.041	925.25	10172	2.025	1.90	0.00	0.00
4.104	922.47	10091	2.100	1.85	0.00	0.00
4.167	919.61	10019	2.150	2.03	0.00	0.00
4.261	914.57	9927	2.200	2.18	0.00	0.00
4.356	909.63	9839	2.275	1.93	0.00	0.00
4.451	905.33	9763	2.400	2.01	0.00	0.00
4.545	901.06	9686	2.475	2.05	0.00	0.00
4.640	896.74	9648	2.450	2.19	0.00	0.00
4.735	892.50	9582	2.575	2.08	0.00	0.00
4.829	888.12	9552	2.600	2.40	0.00	0.00
4.924	883.95	9504	2.650	2.05	0.00	0.00
4.962	882.62	9490	2.675	2.01	0.00	0.00
5.000	881.28	9476	2.700	1.97	0.00	0.00
5.038	879.95	9462	2.725	1.93	0.00	0.00
5.076	878.61	9446	2.750	1.88	0.00	0.00
5.113	877.26	9428	2.775	1.83	0.00	0.00
5.151	875.91	9410	2.825	1.77	0.00	0.00
5.189	874.54	9405	2.825	1.74	0.00	0.00
5.227	873.15	9396	2.850	1.75	0.00	0.00
5.265	871.77	9390	2.875	1.75	0.00	0.00
5.303	870.38	9379	2.900	1.76	0.00	0.00

CALCULATIONS COVER SHEET
DAMES & MOORE
DESIGN SERVICES GROUP

PROJECT NUMBER [illegible]
SUBJECT Buckeye FRS
SHEET 2 OF 29

Developing Hydraulic Data for Dam-Break
TITLE OF CALCULATIONS

Buckeye FRS Study - Phase II
TITLE OF PROJECT

CALCULATIONS BY: Anand Prakash
PRINT NAME

A Prakash
SIGNATURE

6/-18/-90
DATE

ASSUMPTIONS CHECKED BY CONSULTANT: G J GEISER
PRINT NAME

G J Geiser
SIGNATURE

6-28-90
DATE

CALCULATIONS CHECKED BY: John Fannin
PRINT NAME

John Fannin
SIGNATURE

2/23/90
DATE

APPROVED BY: (PRINCIPAL INVESTIGATOR, CONSULTANT OR PM) G J GEISER
PRINT NAME

G J Geiser
SIGNATURE

6-28-90
DATE

APPROVAL NOTES:
IF CALCULATIONS ARE ONLY SPOT CHECKED, DO NOT REQUIRE CHECKING OR ARE ASSUMED TO BE CORRECT BY EXPERIENCE OR ENGINEERING JUDGEMENT, IT SHOULD BE NOTED HERE.

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2				
3				
4				

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FILE Maricopa County Flood Control Dist.
SUBJECT Hydrology
SHEET 1 OF

OBJECTIVE :- The purpose of these calculations is to develop hydraulic data for performing Dam Break Analysis for Buckeye Floodwater Retarding Structures 1, 2, and 3, Maricopa County Flood Control District, Arizona.

REVISIONS
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BY ____ DATE ____ TO EO ____

References :- 1. Xerox copies of drawings of structures provided by Maricopa County Flood Control Dist.

2. Guidelines for the Determination of Spillway Capacity Requirements, Arizona Dept. of Water Resources, 1984.

3. T.C. MacDonald and Jennifer L. Monopolis, Breaching Characteristics of Dam Failures, Jour. of Hydraulic Engg., ASCE, May, 1984. Vol. 110 No. 5

4. Handbook of Applied Hydraulics, 1976, E.F. Brater and H.W. King, McGraw-Hill Book Co., New York.

5. D.L. Fread, 1977 (July), A Breach Erosion Model for Earthen Dams, NWS, Silver Spring, Md.

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Dames & Moore

The salient features of the three Floodwater Retarding Structures (FRS) are as follows:

FRS # 1 - It is the most downstream structure -

Top of Crest EL. 1088 ft — Drg. No. 7E-230, Sheet No. 7 of 57

Bottom EL 1050 ft

Downstream slope = 2H:1V

Upstream slope = 3H:1V

Top width = 14 ft

Homogeneous earth section made up of Earthfill Type I.

EL. of emergency spillway crest = 1079.8 ft ; W = 800 ft

Storage capacity at spillway crest EL. of 1079.8 ft = 8,200 ac

Storage capacity at dam crest EL of 1088 = 20,300 ac-ft

At dam crest,
Starting Station - 555+00 Ending Station - 931+80 (east to west)

Total length of crest = 37,680 ft

1st Location of postulated breach - Station 796+00

Located on a natural chain of approximately 4,000 ft above inundation limits.

Dam crest EL. at this location = ~~1089.5~~ 1088 ft

EL. of bottom of excavation = 1057.2 ft

Height of dam = ~~32.3~~ ft 30.8

Ground EL = 1056.6 ft

Second Location of postulated breach - Station 662+00

Approximately 5,000 ft above Buckeye Municipal Airport

Dam Crest EL. at this location = ~~1089.5~~ 1088

EL. of bottom of excavation = 1066.5

Ground EL = 1069.2

Height of dam = ~~23.0~~ ft

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The normal flood outflow from this structure goes to the Hassayampa River through its emergency spillway located at the western edge.

Height = 38 ft Rating factor = 1
Storage = 50,200 a-ft Rating factor = 3
} Cummulative Rating factor = 4

So it is a medium dam with high hazard to be designed for 1/2 PMF to PMF.

FRS # 2 It is the central floodwater retarding structure.

Floodwater from this structure goes through a flood channel starting from the emergency spillway to FRS # 3. The emergency spillway is located at the western edge.

Top of dam crest EL 1117.0 ft
Bottom EL. 1098.5 ft
Downstream slope 2H:1V
Upstream slope 3H:1V
Top width 14 ft

Dwg no. 7E-230
Sheet 31 of 57

Homogeneous earthfill section made up of earthfill type I.

EL of emergency spillway crest 1111.2 ft

Width of emergency spillway 350 ft (HEC-1 Jim Gear)

Storage capacity at emergency spillway

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crest EL. of 1111.2 ft = 780 acre-ft

Storage capacity at dam crest EL. of 1117.0 ft = 1900 acre-ft

Approximate height of dam = 1117 − 1098.5 = 18.5 ft

Rating factor = 0 (Ref. 2)

Capacity at spillway crest = 780 ac-ft

Rating factor = 1 (Ref. 2)

Total rating factor = 0 + 1 = 1

So it is a small dam with high hazard potential as explained below and should be designed to safely pass 1/2 PMF.

Starting station on dam crest 203+50 east edge

Ending station on dam crest 331+64 west edge (near emergency spillway)

Total length of crest = 12814 ft

Location of postulated breach is at station 300+00 in a natural depression approximately 3,500 ft above a residential development or some homes.

Dam crest EL. at this location = 1117.0 ft

EL of bottom of excavation = 1098.5 ft

Ht. of dam = 18.5 ft

Ground elevation 1099.4 ft

EL	1100	1102	1104		1106
Storage (acre-ft)	0	38	113		225
Area (acre)	$A_1 = 3$ (assumed)	$\frac{A_1 + A_2}{2} \times 2$	44		69

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EL.	1108	1110	1111.2	1112	1114
Storage	375	625	780	900	1250
Area	98	130	150	161	193

Information provided by John Fannin and Jim Geiser - PIX

EVISIONS BY ____ DATE ____ TO EO ____
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FRS #3 Most upstream structure

Top of dam crest = 1170 ft

Bottom EL = 1142 ft

Dwg. No 7E-230
Sheet No 7 of 57

Downstream slope 2H:1V

Upstream slope 3H:1V

Top width = 14 ft

Homogeneous earthfill section made up of Earthfill Type I

El. of emergency spillway crest = 1163.2 ft

Width of emergency spillway = 400 ft (HEC-1, Jim Geiser)

Storage capacity at emergency spillway crest El. 1163.2 ft

= 920 ac-ft

Storage capacity at dam crest El. of 1170 ft = 3,020 ac-ft

Approximate height of dam = 1170 - 1142 = 28 ft

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Storage capacity at spillway crest = 1220 ac-ft

Rating factor = 2 (Ref. 2)

Cumulative Rating factor = 3

So it is a medium dam with high hazard potential as explained below and should be designed to safely pass 1/2 PMF to PMF

Starting Station on dam crest = 26 + 70 (east edge)

Ending Station on dam crest = 195 + 21.08 (west edge)

Total length of dam = 16851.08 ft

The emergency spillway of this dam is located on the east edge. Thus the flood flow may go to an unnamed wash on the east. The normal outflow from this structure is diverted to FRS #2

1st Location of postulated breach is at Station 88+00 approximately 6000 ft from a closed landing field and 8000 ft from some buildings.

El. of dam crest at this location = 1170.0 ft

El. of bottom of excavation = 1148.2 ft

Height of dam = 21.8 ft

Ground elevation = 1151.6 ft

2nd Location of postulated breach is at Station 161+40 approximately 7,000 ft above some houses.

El. of dam crest at this location = 1170.0 ft

El. of bottom excavation = 1142.0 ft

Height of dam = 28 ft

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SUBJECT Hydrology
SHEET 7 OF

Ground EL. at this location = 1142.4 ft

EL	1149	1150	1152	1154	1156	1158
Storage (ac-ft)	0	2	20	90	190	350
Area (acres)	0	2	9	43	78	115

EL	1160	1162	1163.2	1164	1166	1168
Storage (ac-ft)	630	910	1220	1350	1900	2490
Area (acres)	153	190	210	223	264	298

EL	1170	1172	1174
Storage	3020	3600	4160
Area	335	372	410

(HEC-1, Jim Geisen)

Information from John Farnum & Jim Geisen - PHX

Second Breach - 161+40

Approx. slope of stream downstream of dam = $\frac{1140-1020}{8500}$

= 0.014 ft/ft ✓

= 74.54 ft/mi

Sta 161+40

1st Breach - Approx. slope of stream downstream of dam

Sta 88+00

= $\frac{1140-1020}{8800}$ = 0.0136 ft/ft = 72 ft/mi ✓

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SHEET 8 OF

Ref. 3. The straight line plot between breach formation factor ($V_a h$) acre-ft² and breach volume (B) in cubic yards, gives the following

$V_a h$	B
7.3×10^2	500
1.8×10^3	1,000
1.6×10^5	3×10^4
1.85×10^6	2×10^5
2×10^7	1.2×10^6

$$\text{Log } b = a + b \text{ Log } (V_a h)$$

$$2.69897 = a + 2.86332\, b \quad i$$
$$3.0 = a + 3.25527\, b \quad ii$$
$$b = 0.768$$

$$3.0 = a + 3.25527\, b \quad ii$$
$$5.30102 = a + 6.26717\, b \quad iv$$
$$b = 0.76398$$

$$2.69897 = a + 2.86332\, b \quad i$$
$$4.47712 = a + 5.2041198\, b \quad iii$$
$$b = 0.75953$$

$$2.69897 = a + 2.86332\, b \quad i$$
$$6.11394 = a + 7.30103\, b \quad v$$
$$b = 0.7695$$

$$\bar{b} = 0.7653$$
$$\bar{a} = 0.5039$$

$$a = 5.30102 - 6.26717 \times 0.7653$$
$$= 0.5048$$
$$a = 4.47712 - 5.2041198 \times 0.7653$$
$$= 0.4944$$
$$a = 2.69897 - 2.86332 \times 0.7653$$
$$= 0.5077$$
$$a = 3.0 - 3.25527 \times 0.7653$$
$$= 0.5087$$

$$B = (10^{0.5039})\,(V_a h)^{0.7653}$$
$$= 3.19\,(V_a h)^{0.7653}$$

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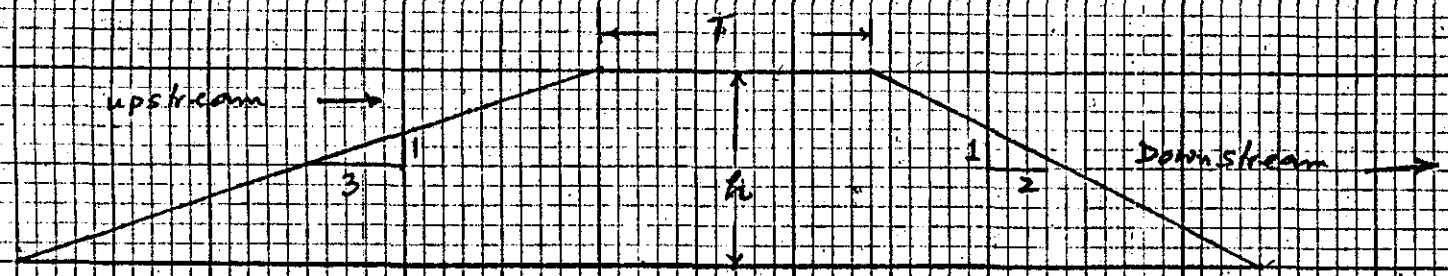
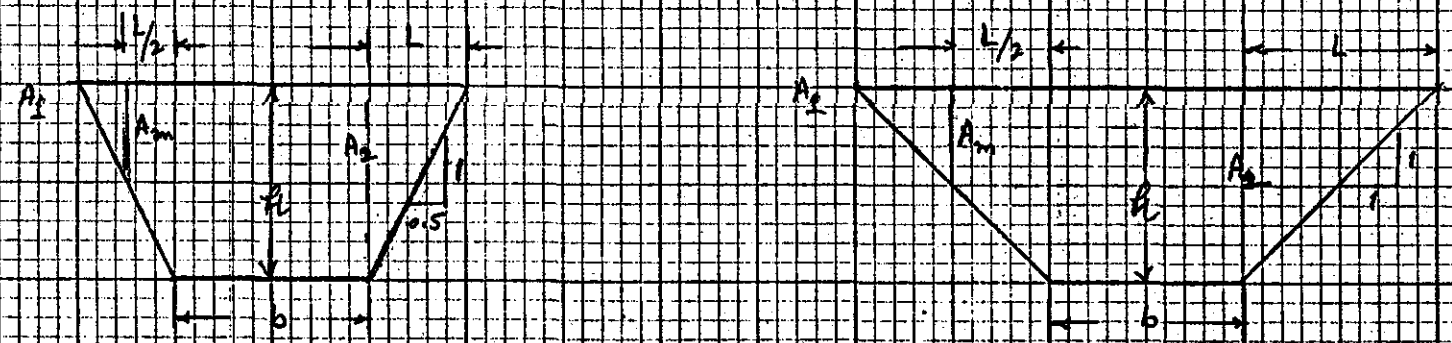


(a) X-SECTION OF BREACH



SEEPAGE BREACH

OVERTOPPING BREACH

(b) LONGITUDINAL SECTIONS

FIGURE 2. TYPICAL SECTIONS OF POSTULATED BREACHES

SUBJECT
SHEET 9 OF

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9454 (12-73) PRINTED IN U.S.A.

FRS # 1 Location 1 - Station 796+00
Ref. sheet 26 ( )

(a) Seepage failure - Reservoir water El. = 1079.8 = Emergency Spillway crest elevation

Bottom of Excavation = 1057.2 ft

Depth of breach = h = 1088 - 1057.2 = 30.8 ft

Depth of water = hw = 1079.8 - 1057.2 = 22.6 ft

where ground elevation at breach site = 1060.6 ft

Method 1. Top width of breach = 5.5 hw
= 22.6 x 5.5 = 124.3 ft

Bottom width (with side slopes of 0.5H:1V)
= 4.5 hw = 4.5 x 22.6 = 101.7 ft

Method 2. (Ref. 3) - W = Vol. of outflow in acre-ft
= Capacity at EL. 1079.8 ft
= 8,200 a-ft

Breach formation factor = W hw = 8200 x 22.6
= 185,320 a ft²

V = Volume of breach material in cubic yds

$= 3.19 \times (W h_w)^{0.7653} = 34,303$ cyds. (Trapezoidal Rule)

$= \frac{1}{27}\left[b\left(Th + 2.5h^2\right) + \frac{L}{3}\left(A_1 + 4A_m + A_2\right)\right]$

$A_1 = 0$; $A_2 = Th + 2.5h^2$ with side slopes of 3H:1V and 2H:1V.

$A_m = T \cdot \frac{h}{2} + 2.5 \times \left(\frac{h}{2}\right)^2$

T = 14 ft ; $A_2 = 14 \times 30.8 + 2.5 \times 30.8^2 = 2802.8$ ft²

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$$A_m = 14 \times \frac{30.8}{2} + 2.5 \times \left(\frac{30.8}{2}\right)^2 = 808.5 \text{ ft}^2$$

$$L = 0.5h = 15.4 \text{ ft}$$

$$34303 = \frac{1}{27}\left[2802.8b + \frac{15.4}{3}(2802.8 + 4 \times 808.5)\right]$$

$$= 103.8b + 1147.7$$

(Brater & King, 1976 Ref. 4)

$$b = 319 \text{ ft}$$

Method 3 (Ref. 5) HI = 1079.8 HU = 1088 HL = 1057.2

HPI = 1060

(cfs) QIN =	0.	20.	20.	20.	10.	6.	0.	
(hrs) TIN =	0.	1.	2.	3.	4.	5.	6.	
EL =	1090	1088	1084	1079.8	1076	1072	1064	1057
ZSA =	2060	1950	1580	1145	760	430	50	0 (Acres)
HSTW =	1050.7	1060	1070	1080	1090			ft D/S channel
QSTW =	10	500	5000	10000	40000			width
EMTW =	1035	1040	0.045	0.050	0.055			n

CRL = Length of crest = 37,680 ft

$$S = \frac{1050 - 1000}{9000} = 0.00555 \text{ ft/ft or } 29.33 \text{ ft/mi.}$$

b_{mx} = 500 ft

d_{50} = 0.035 mm, Porosity = 0.2, γ_s = 100 lbs/ft^3 n = 0.025

ϕ = 40° c = cohesive strength = 250 lbs/sq ft

The output of the breach model gives b = 47.42 ft

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Overtopping Failure FRS #1 Location 1 at Sta 796+00

Reservoir W.S. EL = 1088 + 1.0 = 1089.0
at time of failure

Bottom of excavation = 1057.2 ft

Depth of breach = h = 1089.0 − 1057.2 = 30.8 ft

Depth of water = hw = 1089.0 − 1057.2 = 31.8 ft

Method 1 – Top width of breach = 5.5 hw = 5.5 × 31.8
= 174.9 ft

Bottom width (with side slopes of 1H:1V)
= 3.5 hw = 3.5 × 31.8 = 111.3 ft

Method 2 – (Ref. 3)

W = Vol. of outflow in acre-ft ≅ capacity at 1089.0 ft
= 22,650 acre-ft

Breach formation factor = W · hw = 22,650 × 31.8 = 720,270 acre-ft²

V = Vol of breach material in cubic yards

$= 3.19\,(W\,h_w)^{0.7653} = 96,946$ cyds

$A_1 = 0$ T = 14 ft

$A_2 = Th + 2.5\,h^2 = 14 \times 30.8 + 2.5 \times 30.8^2 = 2,802.8$ ft²

$A_m = \frac{Th}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 15.4 + 2.5 \times 15.4^2 = 808.5$ ft²

$$V = \frac{1}{27}\left[b\,\overbrace{(Th + 2.5h^2)}^{A_2} + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$$

L = h for overtopping failure = ~~30.8~~ 32.3 ft

$$V = \frac{1}{27}\left[2802.8\,b + \frac{30.8}{3}(0 + 2802.8 + 4 \times 808.5)\right]$$

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$b = (96946 - 2295.47)/183.8 = \cancel{514.96}$ ft
9665

Method 3 (Ref. 5) HI = 1079.8 HU = 1088 HL = 1057.2

HPI = Blank , HSP = 1079.8

QIN = 0. 20,000. 100,000. 120000. 80000. 30000. 5000. 5000.

TIN = 0. 4. 8. 12. 16. 323 48. 72.

RSA, BSTW, CMTW, etc. same as for Seepage failure (sheet 11)

SPQ(I) = 0. 6,169 17,280 31,745 48,875 68,305 125,485 253,963

SPH(I) = 0. 2. 4. 6. 8. 10. 15. 24.

$Q = 2.7\, L\, H^{3/2} = 2.7 \times 800 \times H^{3/2}$

Location 2 Station 662+00

(a) Seepage Failure - Reservoir W.S. EL. = 1079.8 ft

Bottom of excavation = 1066.5 ft

h = Depth of breach = ~~1088~~ 1091.5 − 1066.5 = ~~21.5~~ 25.0 ft

h_w = Depth of water = 1079.8 − 1066.5 = 13.3 ft

Method 1 - Top width of breach = 5.5 h_w = 5.5 × 13.3

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Bottom width = $4.5 h_w$ = 4.5×13.3 = 59.85 ft (0.5H:1V)

Method 2 :- Ref. 3 - Superseded
Revised on 1-25-77.

W = Vol. of outflow in acre-ft = Capacity at 1079.8 ft = 8,200 a-ft.

Breach formation factor = $W h_w$ = 8200×13.3 = 109,060.

V = Volume of breach material in cubic yds.

$= 3.19 \times (W h_w)^{0.7653} = 3.19 \times (109060)^{0.7653} = 22,862$ cyds

T = 14 ft $A_1 = 0$ $A_2 = Th + 2.5 h^2$

$= 14 \times 21.5 + 2.5 \times 21.5^2 = 1456.6$ ft^2

$A_m = \frac{Th}{2} + 2.5 \left(\frac{h}{2}\right)^2 = 14 \times 10.75 + 2.5 \times (10.75)^2 = 439.4$ ft^2

$L = 0.5 h_w = 10.75$ ft

$V = 22862 = \frac{1}{27}\left[b \times (Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$

$= \frac{1}{27}\left[1456.6\, b + \frac{10.75}{3}(0 + 4 \times 439.4 + 1456.6)\right]$

$= 53.95\, b + 426.58$

b = 419 ft

Method 3 - HT = 1079.8 HU = 1088 HL = 1066.5 HPL = 1058.0

QIN & TIN as for previous case. RSA & EL same as previously

HSTW	1060	1070	1080	1090
BSTW	10	500	15000	20000

$S = \frac{1050 - 1000}{5850} = 0.00855$ ft/ft or 45.13 ft/mi

The predicted bottom width of breach is 254.96 ft

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BY ____ DATE ____ TO EO ____

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OVERTOPPING FAILURE FRS #1

SECOND LOCATION -

Method 2

Reservoir W.S.E. at time of failure = 1088 + 1.0 = 1089.0 ft

Bottom of excavation = 1066.5 ft

h = Depth of breach = 1088 − 1066.5 = 21.5 ft

hw = Depth of water = 1089 − 1066.5 = 22.5 ft

Vol. of outflow in acre-ft = Capacity at 1089.0
= 22,650 acre-ft = W

Breach formation factor = W · hw = 22650 × 22.5
= 509,625 acre-ft²

Volume of breach material in cubic yds = V

$= 3.19\,(W h_w)^{0.7653} = 3.19\,(509625)^{0.7653} = 74,396$ yds³

$A_1 = 0$ $T = 14$ $A_2 = Th + 2.5h^2 = 14 \times 21.5 + 2.5 \times 21.5^2$
$= 1456.6$ ft²

$A_m = T\frac{h}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 10.75 + 2.5 \times 10.75^2 = 439.4$ ft²

L = h for overtopping failure = 21.5 ft

$V = 74396 = \frac{1}{27}\left[b(Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$

$= \frac{1}{27}\left[b \times 1456.6 + \frac{21.5}{3}(0 + 4 \times 439.4 + 1456.6)\right]$

$= 53.95\,b + 853.15$

b = 1369.2 ft

Method 1 - Bottom width = 3.5 hw = 3.5 × 22.5 = 78.75 ft

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Method 3 - HI = 1079.8 HD = 1088 HL = 1066.5 HPI = Blank

HSP = 1079.8

UIN = ?
TIN = } see sheet 25

TEH = 24 hrs.

SPQ & SPH same as for Location 1

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FRS # 2 Location - Stn 300+00

(a) Seepage failure - Reservoir water surface El. = 1111.2 ft
= elevation of emergency spillway crest

Bottom of excavation = 1098.5 ft

Depth of breach = h = 1117.0 - 1098.5 = 18.5 ft

Depth of water = h_w = 1111.2 - 1098.5 = 12.7 ft

Method 1 - Top width of breach = 5.5 h_w = 5.5 x 12.7
= 69.9 ft

Bottom width = 4.5 h_w = 57.15 ft

Method 2 - Ref. 3 - W = Volume of outflow in acre-ft
= Capacity at El. 1111.2 = 780 acre-ft

Breach formation factor = W h_w = 780 x 12.7 = 9906 acre-ft²

Vol. of breach material in yds³ = $3.19 \times (W h_w)^{0.7653}$

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$= 3.19 \times (9906)^{0.7653} = 3,646.3$ cyds = ✓

$A_1 = 0$ $T = 14$ ft $A_2 = Th + 2.5h^2 = 14 \times 18.5 + 2.5 \times 18.5^2$

$= 259.0 + 855.6 = 1114.6$ ft^2 ✓

$A_m = \frac{Th}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 9.25 + 2.5 \times 9.25^2$

$= 343.4$ ft^2 ✓

$V = 3646.3 = \frac{1}{27}\left[b(Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$

$L = 0.5h = 9.25$

$3646.3 = 41.28b + \frac{9.25}{27 \times 3}(0 + 1373.6 + 1114.6) = 41.28b + 284.1$

$b = 81.4$ ft ✓

method 3 – HI = 1111.2 HU = 1117 HL = 1098.5

HPI = 1101.0

RSA	288	254	240	193	150	98	42	0
HSA	1120	1118	1117	1114	1111.2	1108	1104	1098.5

HSTW	1098	1100	1110	1120
BSTW	10	400	5000	15000

CRL = 12,814 ft

SM = $\frac{1100 - 1000}{8500} = 0.01176$ ft/ft = 62.12 ft/mile

The predicted bottom width of board = 22.75 ft

BY Pahl DATE 12/26/89 CHECKED BY JDF DATE 12/27/89 COPY TO EO

REVISIONS BY DATE TO EO BY DATE TO EO

(b) Overtopping failure –

Method 1. Reservoir W.S.E.L. = 1117.0 + 1.0 = 1118.0 ft

Bottom of excavation = 1098.5 ft

Depth of breach = 1117.0 − 1098.5 = 18.5 ft = h

Depth of water = h_w = 1118.0 − 1098.5 = 19.5 ft

Top width of breach = 5.5 × h_w = 107.25 ft

Bottom width of breach = 3.5 h_w = 68.25 ft
(1:1 side slopes)

Method 2. (Ref 3) – W = Volume of outflow in acre-ft
= capacity at EL. 1118.0 = 2,125 acre-ft

Breach formation factor = $W h_w$ = 2125 × 19.5 = 41,437.5 acre-ft²

V = Volume of breach material in yds³ = $3.19\,(W h_w)^{0.7653}$

= 10,901.4 yds³

$$= \frac{1}{27}\left[b\,(Th + 2.5h^2) + \frac{L}{3}\left(A_1 + 4A_m + A_2\right)\right] \qquad A_1 = 0$$

T = 14 ft $\qquad L = h = 18.5$ ft

$A_2 = 14 \times 18.5 + 2.5 \times 18.5^2 = 1114.6$ ft²

$A_m = 14 \times \frac{18.5}{2} + 2.5 \times \left(\frac{18.5}{2}\right)^2 = 343.4$ ft²

$$10{,}901.4 = \frac{1}{27}\left[1114.6\,b + \frac{18.5}{3}\left(0 + 4 \times 343.4 + 1114.6\right)\right]$$

$$= 41.28\,b + 568.3$$

b = 250.3 ft

Method 3. HI = 1111.2 HU = 1117.0 HL = 1098.5 HPL = Blank

HSP = 1111.2

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CHECKED BY JJBF DATE 2/23/90
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QEN =

See Sheet 25

TIN =

TEH = 2A. and

SPQ =	0	2673	7,560	13,889	21,383	29,884	54,900	84,52
SPH =	0	2	4	6	8	10	15	20

$Q = 2.7 \times 350\ H^{3/2} = 945\ H^{3/2}$

EVISIONS BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

FRS #3

Fail Location – Station 88+00

(a) Seepage Failure –

Reservoir water surface elevation = 1163.2 ft

El. of bottom of excavation = 1148.2 ft

El. of top of dam = 1170.0 ft

Water depth = h_w = 1163.2 – 1148.2 = 15.0 ft

Breach depth = h = 1170.0 – 1148.2 = 21.8 ft

Method 1 – Top width = 5.5 X 15.0 = 82.5 ft

Bottom width of breach = 4.5 X 15.0 = 67.5 ft

BY PALAS DATE 12/24/81 CHECKED BY ____ COPY TO EO ____

Method 2 –

W = Vol. of outflow in acre-ft = Capacity at 1163.2

= 1220 acre-ft

Breach formation factor = $W h_w$ = 1220 × 15.0 = 18300 acre-ft²

Vol. of breach material in c yds = $3.19 (W h_w)^{0.7653}$

= 5,823.4 cy ds = V

T = 14 ft L = 0.5 h for seepage failure = 10.9 ft

$$V = \frac{1}{27}\left[b(Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$$

$A_1 = 0$; $A_2 = Th + 2.5h^2 = 14 \times 21.8 + 2.5 \times 21.8^2 = 1493.3$ ft²

$A_m = \frac{Th}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 10.9 + 2.5 \times 10.9^2 = 449.6$ ft²

$V = 55.3b + \frac{10.9}{27 \times 3}(3291.7) = 55.3b + 442.96$

b = ~~97.3~~ ft ~~#~~ 7.

Method 3 – HI = 1163.2 HU = 1170 HL = 1148.2

HPI = 1150.5

QIN =	0	10	20	20	10	6	0	
TIN =	0	1	2	3	4	5	6	
RSA =	410	335	264	210	153	78	9	0
HSA =	1174	1170	1166	1163.2	1160	1156	1152	1149

AS on Model output sheet

ZU = 3H:1V ZD = 2H:1V – – 0.0 –

D_{50} = 0.035 Pors = 0.2 UWS = 100 m = 0.025 φ = 40° C = 250 10

REVISIONS BY DATE TO EO
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The predicted bottom width of breach is 53.99 ft

Overtopping Failure – Reservoir W.S. EL. = 1170.0 + 1.0 = 1171.0

h_w = water depth = 1171.0 − 1148.2 = 22.8 ft

h = depth of breach = 1170.0 − 1148.2 = 21.8 ft

Method 1. Top width = 5.5 × 22.8 = 125.4 ft

Bottom width = 3.5 × 22.8 = 79.8 ft (1H:1V)

Method 2. Vol. of inflow = W = Capacity at EL. 1171.0

= 3310 acre-ft

Breach formation factor = $W h_w$ = 3310 × 22.8 = 75,468 ac-ft

V = Vol. of breach material in c.yds = $13.19 (W h_w)^{0.7653}$

= 17,248 c.yds. ✓

$$= \frac{1}{27}\left[b\left(Th + 2.5h^2\right) + \frac{L}{3}\left(A_1 + 4A_m + A_2\right)\right]$$

$T = 14$ ft $\quad A_1 = 0 \quad A_2 = Th + 2.5h^2 = 14 \times 21.8 + 2.5 \times 21.8^2$

$= 1493.3$ ft^2

$$A_m = \frac{Th}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 10.9 + 2.5 \times 10.9^2 = 449.6 \text{ ft}^2$$

$L = h$ for overtopping failure = 21.8 ft

$$17248 = 55.3b + \frac{21.8}{81}\left(3291.7\right)$$

$b = 295.9$ ft ✓

Method 3 – HI = 1163.2 HU = 1170 HL = 1148.2 HPI = Blank

HSP = 1163.2

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BY ____ DATE ____ TO EO ____

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CHECKED BY JDE DATE 12/29/69
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OCH =

see sheet 25

TIH =

RSA, HSA, same as for seepage failure

TEH = 24.

SPQ	0	1080	3055	8640	24438	69120	126982	195501
SPH	0	1	2	4	8	16	24	32

$Q = 2.7 \times 400\ H^{3/2} = 1080\ H^{3/2}$

FRS # 3 Second Breach Location Stn 161+40

(a) Seepage Failure

Reservoir water surface elevation = 1163.2 ft

EL. of bottom of excavation = 1142.0 ft

EL. of top of dam = 1170.0 ft

water depth = h_w = 1163.2 − 1142.0 = 21.2 ft

Breach depth = h = 1170.0 − 1142.0 = 28 ft

Method 1 - Top width = 5.5 × 21.2 = 116.6 ft

Bottom width of breach = 4.5 × 21.2 = 95.4 ft

(0.5H:1V)

Method 2 -

W = Vol. of outflow in acre-ft = Capacity at EL.

= 1232.0 acre-ft

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BY Rahak DATE 12/26/89
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BY DATE TO EO

Breach formation factor $= W h_w = 1220 \times 21.2 = 25{,}864$ ac-ft^2

Vol. of breach material in yds^3 $= 3.19\,(W h_w)^{0.7653} = 7{,}600$ yds^3 ✓

$T = 14$ ft $\quad L = 0.5\,h$ for seepage failure $= 14.0$ ft

$$V = \frac{1}{27}\left[b\,(Th + 2.5\,h^2) + \frac{L}{3}\left(A_1 + 4A_m + A_2\right)\right]$$

$A_1 = 0 \quad A_2 = Th + 2.5\,h^2 = 14 \times 28 + 2.5 \times 28^2 = 2{,}352$ ft^2

$A_m = T\frac{h}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 14 + 2.5 \times 14^2 = 686$ ft^2

$7600 = 87.11\,b + 880.8 \qquad b = 77.1$ ft ✓

Method 3. $\quad HT = 1163.2 \quad HU = 1170 \quad HL = 1142.0 \quad HDT = 1144.8$

HSTW =	1139	1140	1145	1150	1170	1180
BSTW =	50	100	5000	10000	15000	20000

SM = 74.54 ft/mile (Sheet 7)

TEH = 8 hours

Predicted breach width at bottom = 43.57 ft

(b) Overtopping Failure

Reservoir water surface elevation $= 1170.0 + 1.0 = 1171.0$ ft

EL of bottom of excavation $= 1142.0$

h_w = water depth $= 1171.0 - 1142.0 = 29$ ft

h = depth of breach $= 1170.0 - 1142.0 = 28$ ft

METHOD 1. $\quad$ Top width of breach $= 5.5 \times 29 = 159.5$ ft

Bottom width of breach $= 3.5 \times 29 = 101.5$ ft ✓

REVISIONS BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

CHECKED BY ____ DATE 12/26/84
COPY TO EO ____ DATE 2/23/

Method 2. Vol. of outflow = W = Capacity at EL. 1171.0 ft

= 3,310 ac-ft

Breach formation factor = $W h_{NT}$ = 3310 × 29 = 95,990 acre-ft²

V = Volume of breach material in yds³ = 3.19 $(W h_N)^{0.7653}$

= 20,734 c.yds.

$$= \frac{1}{27}\left[b(Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$$

T = 14 ft h = 28 ft L = h for overtopping failure = 28 ft

$A_1 = 0$ $A_2 = Th + 2.5h^2 = 14 \times 28 + 2.5 \times 28^2 = 2{,}352$ ft²

$A_m = T\frac{h}{2} + 2.5\left(\frac{h}{2}\right)^2 = 14 \times 14 + 2.5 \times 14^2 = 686$ ft²

$20734 = 87.1b + \frac{28}{81}(4 \times 686 + 2352) = 87.1b + 1761.6$

b = 217.8 ft

Method 3 HI = 1163.2 HU = 1170 HL = 1142. HPI = Blank

HSP = 1163.2

QIN =

TIN =

HSTW =	1139	1140	1145	1150	1170	1180
BSTW =	50	100	5000	10000	16000	20000

SM = 74.54 ft/mi TEH = 24.

Q = 2.7×

FILE Maricopa County Flood Control Dist

SUBJECT

SHEET 25 OF

From HEC-1 runs provided by Jim Gaiser / John Fanum, DFM, Phoenix, the PMF inflow hydrograph ordinates for the 6-hour PMP for use in Breach model for the three FRS's are as follows:—

FRS # 1

FLOW (Q IN) cfs	94	14,259	108035	140,708	77427	39001
Time (hrs)	1	3	5	6.42	8	9

Flow (Q IN) cfs	18,245	4,078
Time (hrs)	10	12

FRS # 2

FLOW (Q IN) cfs	2	244	1,912	45,409	18,454	3,823	1,795	168
Time (hrs)	0.5	1	2	3.42	4	5	6	7

FRS # 3

FLOW (CFS)	102	1865	7662	56229	45,376	11,482	3,938	1,039
Time (hrs)	1	2	3	3.67	4	5	6	7

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REVISED COMPUTATIONS FOR

FRS # 1 BREACH DIMENSIONS

Seepage Failure - Station 796+00 Top of Dam = 1089.5 ft

Method 1 - h_w = depth of water = 1079.8 - 1057.2
= 22.6 ft ✓

Top width of breach = 22.6 x 5.5 = 124.3 ft
(sheet 10)

Bottom width of breach = 22.6 x 4.5 = 101.7 ft ✓

Method 2 - (Ref. 3) - W = Vol. of outflow in acre-ft
= Capacity at EL. 1079.8 ft
= 8,200 acre-ft

Breach formation factor = $W h_w$ = 8200 x 22.6 = 185,320 ac-ft

V = Vol. of breach material in cubic yards = $3.19 (W h_w)^{0.7653}$
= 34,303 cyds ✓

$$= \frac{1}{27}\left[b\,(Th + 2.5h^2) + \frac{L}{3}(A_1 + 4A_m + A_2)\right]$$

$A_1 = 0$; h = depth of breach = 1089.5 - 1057.2 = 32.3 ft
T = 14 ft L = 0.5h for seepage failure
= 16.15 ft

$$34{,}303 = \frac{1}{27}\left[b \times 3060.4 + \frac{16.15}{3}\left(0 + 4\left\{T\frac{h}{2} + 2.5\left(\frac{h}{2}\right)^2\right\} + A_2\right)\right]$$

$A_2 = Th + 2.5h^2 = 3060.4$ $A_m = 14 \times 16.15 + 2.5 \times 16.15^2$
= 878.16 ft²

$$34{,}303 = \frac{1}{27}\left[3060.4\,b + 35384.78\right]$$

b = 291.0 ft ✓

Method 3 - HU = 1089.5 ft

(Rest of data, same as on sheet 11)

BY R. Pancoast DATE 1/8/90
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BY DATE TO EO

Seepage Failure Station 662+00 — Top of dam = 1089.5 ft not 1088.0 ft

Method 1 - $h_w = 1079.8 - 1066.5 = 13.3$ ft

Bottom width of breach = $4.5 \times 13.3 = 59.85$ ft

Method 2 - W = Volume of outflow in acre-ft = Capacity at max. W.S. El. at time of breach, i.e., 1079.8 ft

= 8,200 acre-ft

Breach formation factor = $W h_w$ = $8200 \times 13.3 = 109{,}060$ acre-ft^2

V = Vol. of breach material in cubic yds = $3.19\,(W h_w)^{0.7653}$

= 22,862.1 cydo.

$$= \frac{1}{27}\left[b\,(Th + 2.5h^2) + \frac{L}{3}\left[0 + 4 \times A_m + (Th + 2.5h^2)\right]\right]$$

h = depth of breach = $1089.5 - 1066.5 = 23$ ft

$Th + 2.5h^2 = 1644.5$ ft^2

$A_m = 14 \times \frac{23}{2} + 2.5 \times \left(\frac{23}{2}\right)^2 = 491.6$ ft^2

$L = 0.5h = 11.5$ ft

$$22862.1 = \frac{1}{27}\left[1644.5\,b + \frac{11.5}{3}(1966.5 + 1644.5)\right]$$

$27 \times 22862.1 = 1644.5\,b + 13842.2$

$b = 366.94$ ft

Method 3 - $C.H.U. = 1089.5$

(Remaining data same as on sheet 14)

Predicted bottom width of breach = 219.91 ft

BY A. Parkes DATE 1/8/90
CHECKED BY DATE 2/25/90
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BY DATE TO EO

Overtopping Failure - Station 892+00

EL of top of dam = 1088 ft ✓ OK

Bottom of excavation = 1042.0 ft

Depth of water = h_w

= 1089 - 1042 = 47 ft ✓

EL. of Water at time of failure = 1089 (Assumed to be 1 ft above dam crest)

Depth of breach = 1088 - 1042 = 46 ft = h ✓

Method 1 - Top width of breach = 5.5 x 46 = 253 ft ✓

Bottom width of breach = 3.5 x 46 = 161 ft ✓

Method 2 - $A_1 = 0$ $A_2 = 14 \times 46 + 2.5 \times 46^2 = 5934\ ft^2$ ✓

$A_m = 14 \times 23 + 2.5 \times 23^2 = 1644.5\ ft^2$ ✓ L = h = 46 ft

W = volume of inflow in acre-ft = Vol. at EL. 1089.0 ft

= 22,650 acre-ft OK

Vol. of breach material in cyds = $V = 3.19\ (W h_w)^{0.7653}$

$= 3.19\ [22650 \times 47]^{0.7653} = 130,731.7$ cyds ✓

$= \frac{1}{27}\left\{ b \times 5934 + \frac{46}{3}\left[0 + 4 \times 1644.5 + 5934\right]\right\}$

$27 \times 130731.7 = 5934b + 191850.7$

$b = 562.5$ ft ✓

Method 3 - HI = 1079.8 HU = 1088 HL = 1042 HSP = 1079.8

PIN 94 14,259 108,035 149,708 77,427 39,001 18,245 41,078

BY Prakash DATE 1/8/90 CHECKED BY DJ DATE 2/23/90 COPY TO EO

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ADDITIONAL X-SECTIONS FOR FRS # 1

BREACH AT [illegible] 872+00 (OVER TOP-PIPE)

Sta. R6 is nearly the same as the one at No. 8.13 in HEC-2 data set of CELLA BARR Associates.

R7 is X-section No. 7.56 in HEC-2.

Distance between 7.56 and 8.13 or R7 and R6

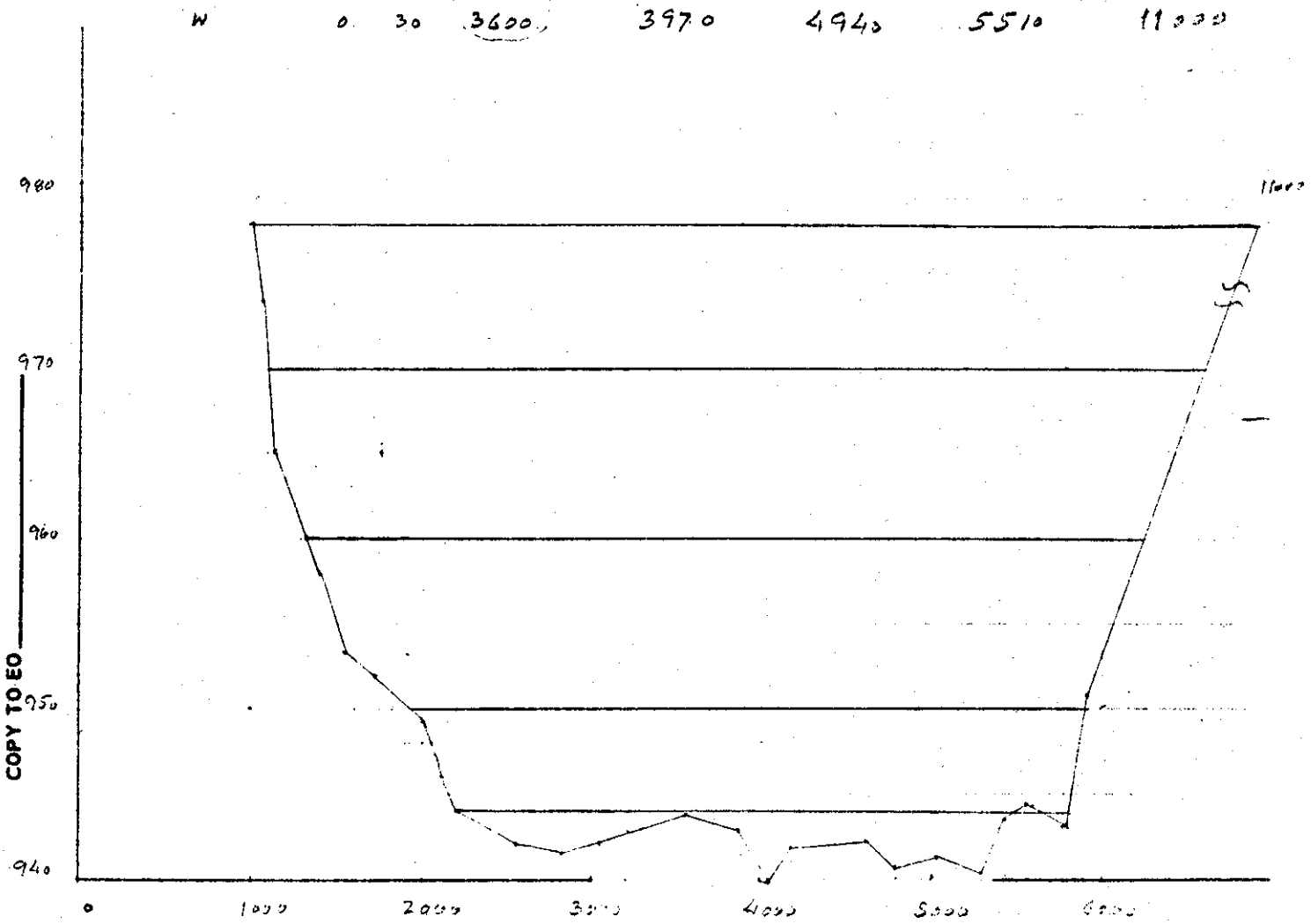
= 415 + 540 + 520 + 535 + 525 + 500 = 3035 ft = 0.5748 mi

X = 2.652 + 0.5748

= 3.2268 mi

Top width - Elevation Data for R7.

EL	940.	940.5	944.	950	960	970	978.5
W	0.	30	3600.	3970	4940	5510	11000



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BY A. [illegible] DATE 5/21/80
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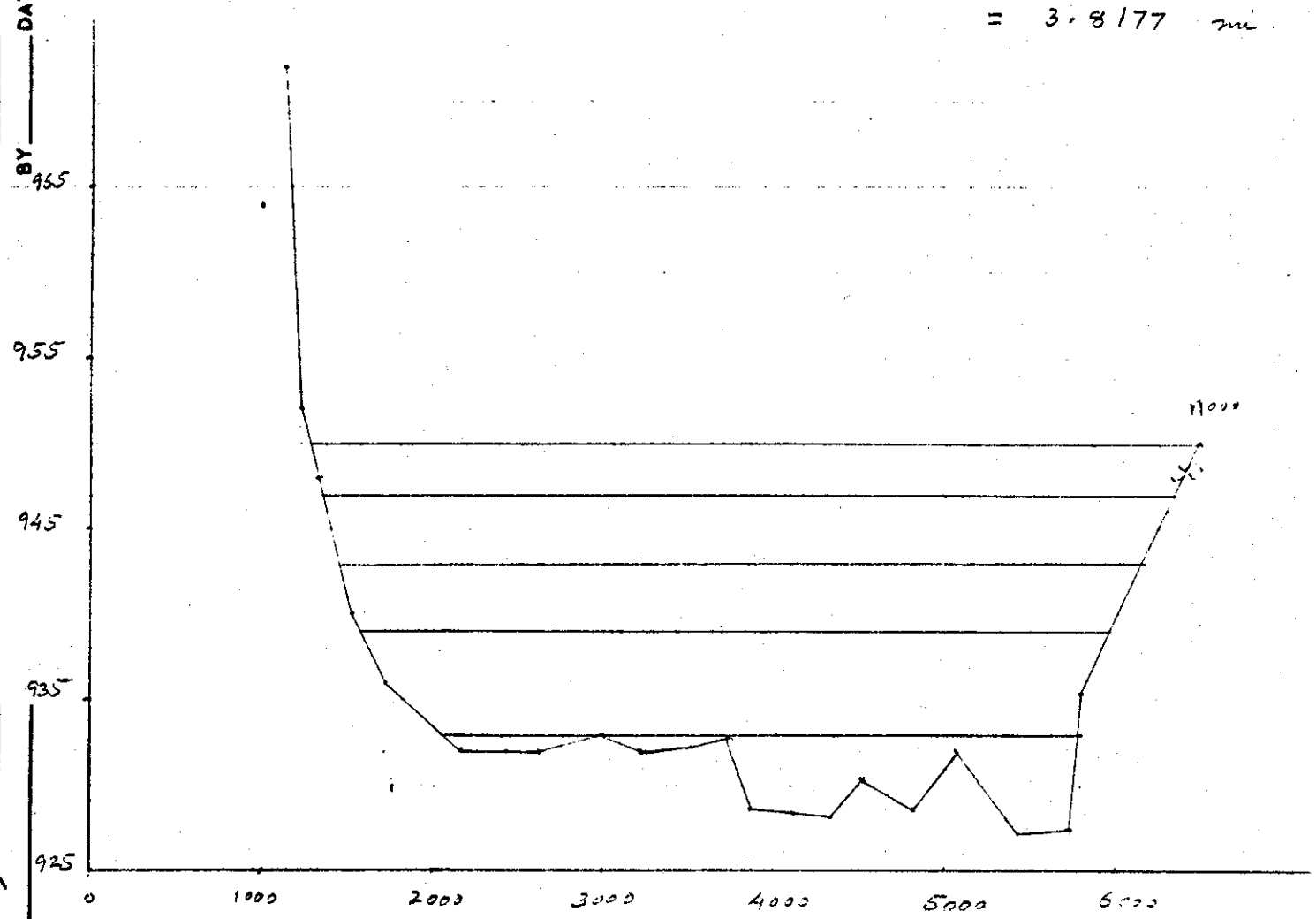
SUBJECT [illegible]
SHEET 21 OF

X-section R8 - is the same as that at 5.99 in HEC-2 data set.

Distance between R6 and R8 = 0.5748 mi + (530 + 545 + 500 + 535 + 475 + 535)/5280 = 0.5748 + 0.5909 mi = 1.1657 mi

x = 2.652 + 1.1657 = 3.8177 mi



EL	927.2	927.7	935	940	945	950
W	0	30	3980	4500	4860	11000

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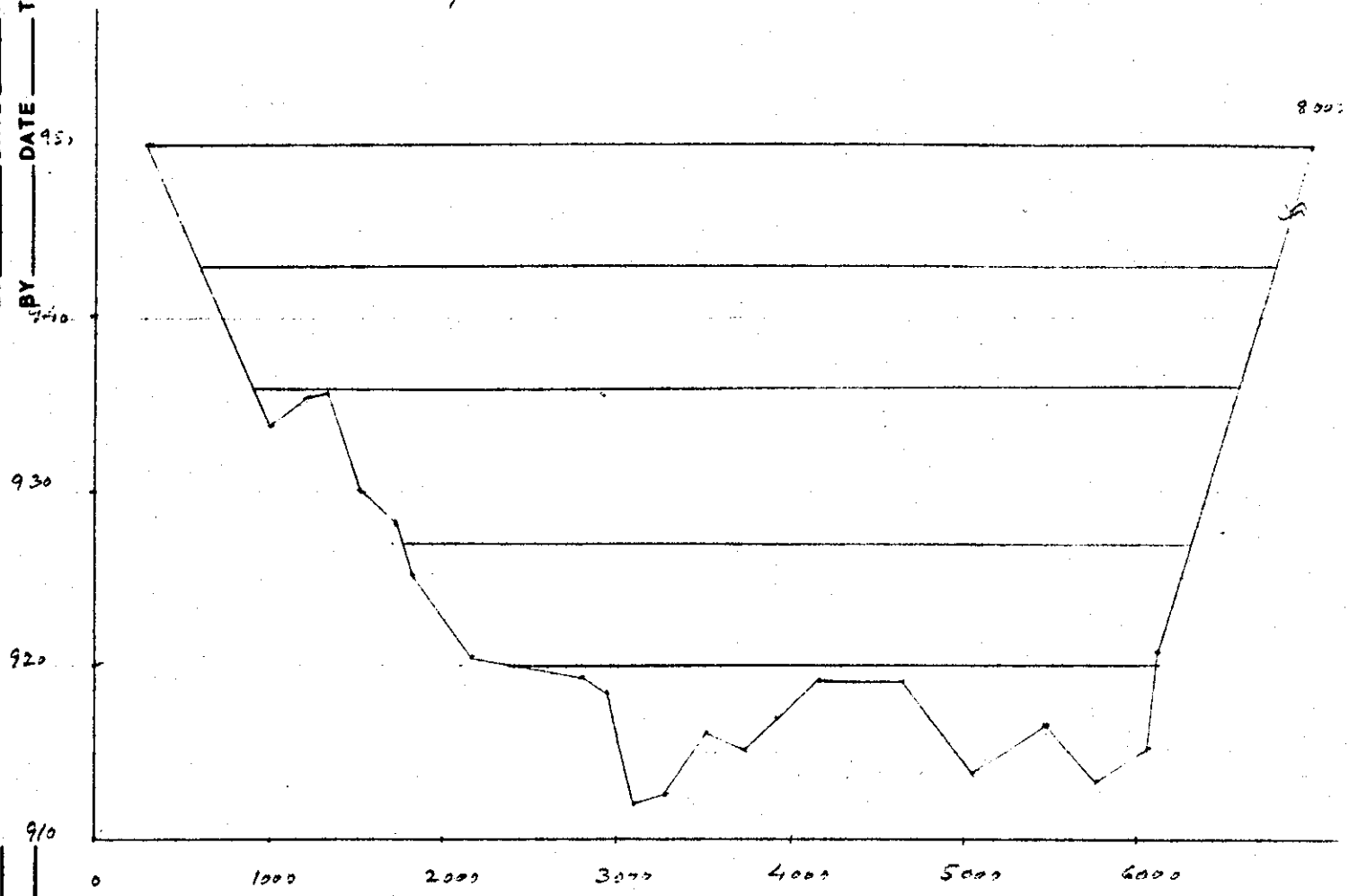
X-Section R9 is the same as that at 6.42 in HEC-2 Data Set.

Distance between R6 and R9 = 1.1657 + [560 + 675 + 260 + 270 + 330 + 515] / 5280 = 1.1657 + 0.4943 = 1.6600 mi



X = 1.6600 + 2.6520 = 4.3120 mi.

EL	912	912.5	920	930	940	950
W	0	30	3700	4890	5980	8000

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BY ____ DATE ____ TO EO ____

BY A. Pinchuck DATE 5/21/93
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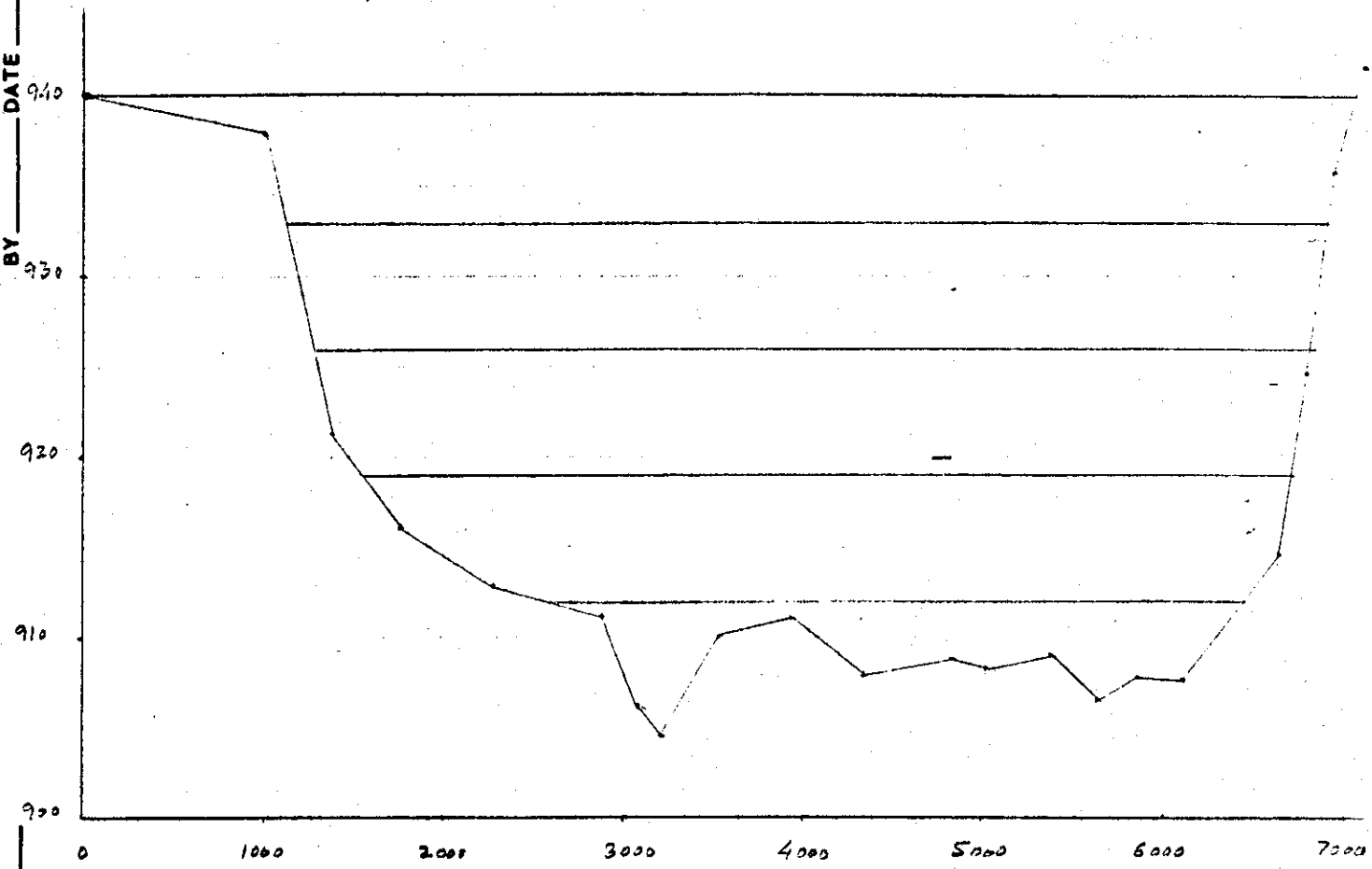
SUBJECT [illegible]
SHEET 33 OF

X-Section R10 is the same as that at 5+75 in HEC-2 data set.

Distance between R6 and R10 = 1.6600 + (480 + 485 + 510 + 385 + 380)/5280 = 1.6600 + 0.4242 = 2.0842 mi.



X = 2.652 + 2.0842 = 4.7362 mi

EL	904.8	905.3	912	919	920	930	940
W	0	30	3850	5150	5250	5690	7050

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BY A. [illegible] DATE 5/21/90
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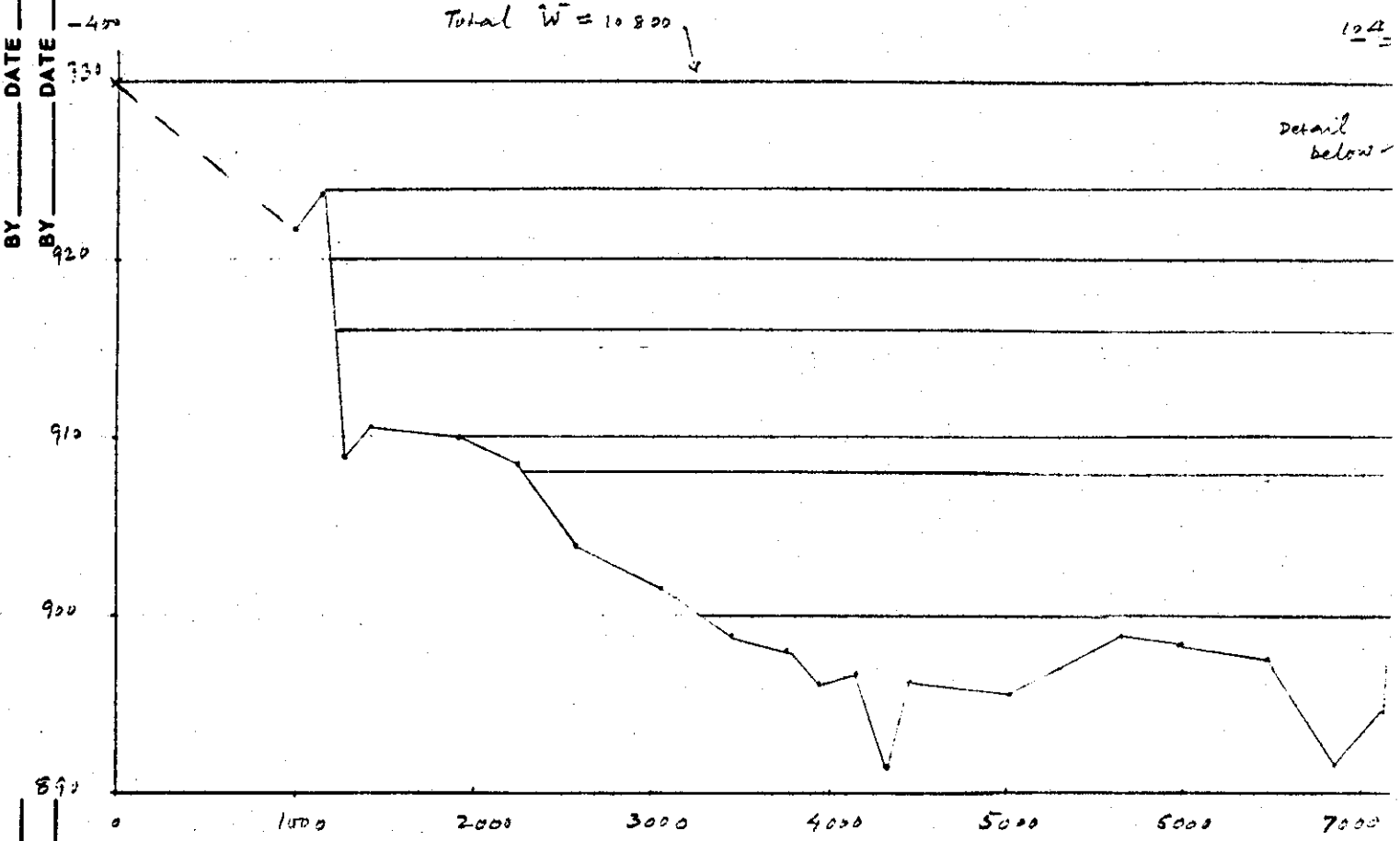
SUBJECT [illegible]
SHEET 34 OF

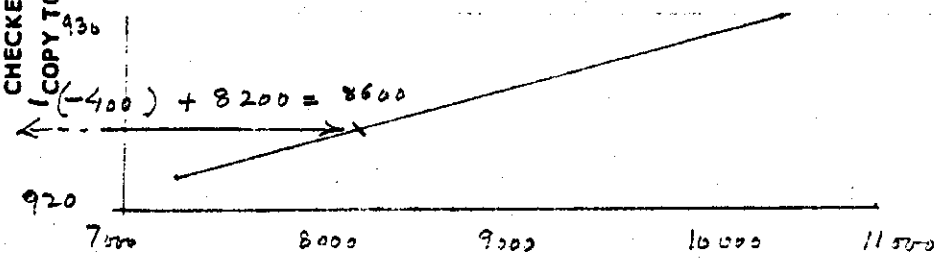
X-Section R 11 is the same as that at 5.38 in HEC-2 data set.

Distance between R6 and R11 = 2.3842 mi + (480 + 490 + 490 + 480 + 500 + 495)/5280 = 2.0842 + 0.5558 = 2.640 mi



X = 2.640 + 2.652 = 5.2921 mi

EL	891.5	892	900	910	920	924	930
W	0	30	3880	5300	6100	8500	10,800



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BY [illegible] DATE 5/21/90
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945.4 (12-73) PRINTED IN U.S.A.

R-12 (x-sections provided by Jim Geiser, Calculations dated 5/17/90 by Chris T. Garcia. (Section 116)

$x = 5.2921 \text{ mi} + 3000/5280 = 5.8603 \text{ mi}$

EL	876	876.5	880	890	900	910
W	0	30	4000	6300	8100	13000

R-13 - (x-sections provided by Jim Geiser - 5/17/90). Section 113

$x = 5.8603 + 3000/5280 = 6.4285 \text{ mi}$

EL.	866	866.5	870	880	890	900	910
W.	0	30	5000	8500	9600	10900	14000

R-14 - (x-sections provided by Jim Geiser, 5/17/90) Section 110

$x = 6.4285 + 3000/5280 = 6.4285 + 0.56818 = 6.9967 \text{ mi}$

EL	851	851.5	860	870	880	890
W	0	30	6400	7500	8200	9500

R-15 - (x-section 107 of Jim Geiser, 5/17/90.)

$x = 6.9967 + 0.56818 = 7.5649 \text{ mi}$

EL	838	838.5	850	860	870	880
W	0.	30	7000	8300	9500	10400

R-16 (x-section 104 of Jim Geiser 5/17/90)

$x = 7.5649 + 0.56818 = 8.1330 \text{ mi}$

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BY Abraham DATE 5/29/90 CHECKED BY ____ COPY TO EO ____

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EL.	826	826.5	830	835	840	843
W	0	30	7700	8600	12100	17300

R-17 (X-section 101 of Jim Gesick , 5/17/90)

$X = 8.1330 + 0.56818 = 8.7012$ mi

EL	813	813.5	815	820	830	835
W	0	30	3800	12200	13700	16000

assuming curved section on plan.

REVISIONS
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BY ____ DATE ____ TO EO ____

BY AP Ghosh DATE 5/29/95
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FILE MCFCD
SUBJECT Hydrology
SHEET 37 OF

SOCIAL IMPACTS

FRS # 1 Table 4.1 by Jim Gaiser.

Water Depth ≥ 4.5'	Small business	7 x 10	=	70	People
	Church	1 x 1	=	1	
	Mobil home	30 x 2	=	60	
	Single Family home	10 x 4	=	40	
				171	Total

Water Depth ≥ 2.5 ft				171
	Farm facilities	3 x 6	=	18
	Small business	3 x 10	=	30
	Single Family home	9 x 4	=	36
	" " "	2 x 4	=	8
	Cotton Gin	1 x 8	=	8
	Large business	1 x 100	=	100
	Small business	1 x 10	=	10
	Mobile home	1 x 2	=	2
	Single family home	3 x 4	=	12
				395

Water Depth ≥ 1.5'				395
	Farm facilities	5 x 6	=	30
	Public School	1 x 1000	=	1000
	Small business	11 x 10	=	110
	Single family home	13 x 4	=	52
	Farm facilities	1 x 6	=	6
	Mobil home	1 x 2	=	2
	Small business	2 x 10	=	20
	Single family home	7 x 4	=	28
				1643

0.5 ≤ Water depth ≤ 2.5 Exclude churches, schools, homes for job loss

Cotton Gin 2 x 8 = 16

REVISIONS BY ____ DATE ____ TO EO ____ BY ____ DATE ____ TO EO ____

BY A Parsch DATE 6/18/90 CHECKED BY ____ COPY TO EO ____

Dames & Moore

Farm facilities	5 x 6 = 30
" "	1 x 6 = 6
" "	5 x 6 = 30
Small business	11 x 10 = 110
Farm facilities	1 x 6 = 6
Small business	2 x 10 = 20
Farm facilities	3 x 6 = 18
Small business	3 x 10 = 30
Cultivated land	6400/100 = 64
Total	330

FRS #2, Table 4.2 provided by Jim Gaiser.

Water depth ≥ 4.5 ft

Mobil homes	10 x 2	= 20
Mobil homes	5 x 2	= 10
Total		30

Water depth ≥ 2.5 ft 30

Large businesses	2 x 100	= 200
Public buildings	1 x 100	= 100
Churches	5 x 1	= 5
Small business	24 x 10	= 240
Single family homes	222 x 4	= 888
Mobile homes	6 x 2	= 12
Public buildings	1 x 100	= 100
Public schools	1 x 1000	= 1000
Churches	2 x 1	= 2
Small business	3 x 10	= 30
Single family homes	137 x 4	= 548

REVISIONS BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

BY [illegible] DATE 6/18/93
CHECKED BY [illegible]
COPY TO EO

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Mobile homes	6×2	= 12
" "	5×2	= 10
Farm facilities	1×6	= 6
Single family homes	1×4	= 4
Mobile homes	5×2	= 10
	Total	3197

Water depth ≥ 1.5'

			3,197
Large business	4×100	=	400
Public buildings	2×100	=	200
Public school	1×1000	=	1000
Churches	8×1	=	8
Small business	11×10	=	110
Single family homes	228×4	=	912
Mobile homes	4×2	=	8
Large business	2×100	=	200
Public buildings	1×100	=	100
Public school	1×1000	=	1000
Churches	3×1	=	3
Small business	11×10	=	110
Single family homes	267×4	=	1068
Mobile homes	5×2	=	10
		Total	8,326

0.5 ≤ water depth ≤ 2.5', excluding churches, schools, public buildings, and homes] for job loss,

Cultivated Land	3100/100	=	31
Large business	1×100	=	100
Small business	7×10	=	70

REVISIONS BY ____ DATE ____ TO EO ____ BY ____ DATE ____ TO EO ____

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Dames & Moore

Farm facilities	1 x 6	= 6
Cotton Gin	1 x 8	= 8
Large business	1 x 100	= 100
Small business	9 x 10	= 90
Large business	4 x 100	= 400
Small business	11 x 10	= 110
Large business	2 x 100	= 200
Small business	11 x 10	= 110
Large business	2 x 100	= 200
Small business	24 x 10	= 240
Total		1665

REVISIONS BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

FRS # 3 ; Table 4.3 Jim Geiser

Water depth ≥ 4.5 ft

Single family homes	9 x 4	= 36
Single family homes	9 x 4	= 36
Total		72

Water depth ≥ 2.5 ft

72

single family homes	11 x 4	= 44
" " "	9 x 4	= 36
Mobile homes	2 x 2	= 4

BY Alexander DATE 6/18/90
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Dames & Moore

Small business	1 x 10	= 10
Single family homes	9 x 4	= 36
Farm facilities	1 x 6	= 6
Cotton gin	1 x 8	= 8
Single family home	9 x 4	= 36
Mobile home	1 x 2	= 2
Cotton gin	1 x 8	= 8
Total		262

Water depth ≥ 1.5'

			262
Mobile home	2 x 2	=	4
Single family home	14 x 4	=	56
" " "	9 x 4	=	36
	Total		358

0.5' ≤ water depth ≤ 2.5' excluding homes for temporary job loss computations -

Cultivated land	2300/100	= 23
Small business	1 x 10	= 10
cotton gin	1 x 8	= 8
Farm facilities	1 x 6	= 6
Cotton gin	1 x 8	= 8
Total		55

REVISIONS
BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

BY ARabbas DATE 6/18/90
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Dames & Moore

CALCULATIONS COVER SHEET
DAMES & MOORE
DESIGN SERVICES GROUP

PROJECT NUMBER _____
SUBJECT Buckeye
SHEET 1 OF 15

Economic Analysis
TITLE OF CALCULATIONS

Buckeye FRC Phase II
TITLE OF PROJECT

CALCULATIONS BY: John Fannin
PRINT NAME
SIGNATURE 5-16-90
DATE

ASSUMPTIONS CHECKED BY CONSULTANT: GJ Geiger
PRINT NAME
SIGNATURE 6-28-90
DATE

CALCULATIONS CHECKED BY: Chris Garris
PRINT NAME
SIGNATURE 5/24/90
DATE

APPROVED BY: (PRINCIPAL INVESTIGATOR, CONSULTANT OR PM) GJ Geiger
PRINT NAME
SIGNATURE 6-28-90
DATE

APPROVAL NOTES:
IF CALCULATIONS ARE ONLY SPOT CHECKED, DO NOT REQUIRE CHECKING OR ARE ASSUMED TO BE CORRECT BY EXPERIENCE OR ENGINEERING JUDGEMENT, IT SHOULD BE NOTED HERE.

Calculations spot checked as noted

REVISION NUMBER	DATE	BY	CHECKED BY (INITIALS)	APPROVAL
1				
2				
3				
4				

BY JF DATE 5-16-90
CHECKED BY
ORIGINAL TO PROJECT FILE

Economic Analysis

Purpose: To develope a damage estimate due to flooding as a result of a dam-break for the three FRSs.

References:

1. Dames + Moore, 1990. Results from the dam-break computer models.
2. Army Corps of Engineers, 1990. FEMA Flood Damage Data.
3. Records of Conversations with Local relators, [illegible], + public officials. (Sent to the File)

Assumptions:

1. Property Values:

	Structural	% of Structural Value Contents
Single Family Homes	$ 60,500	50 %
Mobile Homes	$ 16,000	125 %
Recreational Vehicals (Motor Homes)	$10,000	50 %
Small Businesses	$ 135,000	113 %
[illegible] Businesses	$ 750,000	113 %
Cotton Gins	$ 1,000,000	100
Churches	$ 125,000	50 %
Public Schools	$ 1,250,000	75 %
Crops (cotton)	$ 1080 $/ac	

Dames & Moore

REVISIONS BY ____ DATE ____ TO EO ____ BY ____ DATE ____ TO EO ____

BY JJF DATE 5-16-90 CHECKED BY ____ COPY TO EO ____

Table

Estimated Unit Property Values Within the Study Area

Type of Property	Average Unit Value	Value of Contents expressed as a percentage of the unit Property Value[a]
Single Family Residence	$ 60,500	50 %
Mobile Home	$ 16,000	150 %
Recreational Vehical[b]	$ 10,000	175 %
Small Bussiness	$ 135,000	113 %
Large Bussiness	$ 750,000	113 %
Cotton Gin Facility	$ 1,000,000	100 %
Church	$ 125,000	50 %
Public School	$ 1,250,000	50 %
Public Buildings	200,000	50 %
Farms	$ 120,000	97 %
Crops	$ 1020 per acre	Not Aplicable

b. For Recreational Vehicals being used as a temporary residence.

a. Based on data provided by the U.S. Army Corps of Engineers and engineering judgement.

15HB-0013-0012
Rue Kaye FRS
by JOE 5-12-90
Sect 3 of 13

2. Crop Damage will be assumed to be the loss of 1 season of harvesting. - Covers Crop Damage + Irrigation Damage

Includes Damage to FRS structure

3. Roads + Public utility damage @ 15% of total damage.

4. Flooding Depth will be; -
Mobile Homes: Modeled Depth - 1.0'
All others: Modeled Depth - 0.5'
to account for slightly raised foundations.

Method of Analysis:

1. An inventory of Property was developed from a site visit + a review of aerial photographs.

2. The worst-case flooding from a damage perspective was selected for each dam.

3. The resulting flood from a dam-break was plotted on a map along with the locations of structures.

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4. Flood depths were estimated (Rounded to nearest ½') and the % of damage for a give depth was obtained from 1988 - FEMA Curves.

5. The estimated worst case damage assessment was developed for each FRS & is presented on the following pages.

Note:

The damage estimate is for a single - modeled Dam - Breach event only.

Selection of the worst - case Dam - Break for each event was done by estimating which break would impact the most building & cultivated land.

REVISIONS
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Sheet 6 of

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TASK 3

Definition: Determine the October 1978 depreciated replacement value the contents, including inventory, of all non-residential structures identified in Task 1 hereof by specified SIC identification numbers and by elevation and express it as a precentage of the October 1978 depreciated replacement value of the respective structures.

OUTPUT: On COS the contractor exhibited the required data. These data were based on interviews with the management of all sample structures. CH2MHill was unable to obtain elevation data as the overwhelming majority of managements interview had no information to offer.

USAGE: Procedures followed were the same as for Task 1 except that the valuation was expressed as the percentage of the structural value. These data are exhibited on Table 3.

Table 3

NON-RESIDENTIAL CONTENTS VALUE
EXPRESSED AS A PERCENT OF STRUCTURAL VALUE

Category	Contents Value (% of Structural Value) (%)
Business Services	109
Public Gathering Places	24
Cleaning, Maintenance, Grooming	209
Contractor Operations	97
Department Stores	205
Eating and Drinking Establishments	102
Gas Service Station	83
Grocery Stores	84
Food Stores (Specialty)	98
Home and Auto Supplies, Appliances	127
Medical Buildings	41
Proprietary (Drug) Stores	129
Repair Service	152
Ready-to-Wear	190
Miscellaneous	113

5448-002-012
Buckeye
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Sheet 7 of 13

1/27/89 PAGE 1

27 Jan 1989
PLW

SANATANA 1988 FEMA CURVES

DF = DD
RF = POR

1988 FEMA DATA

RD FT	Z %	B %	C %	D %	E %
-1.00	0.00	0.00	0.00	0.00	0.00
-0.50	0.14	0.34	0.00	0.00	0.00
0.00	0.08	0.38	0.11	0.10	0.03
0.50	0.11	0.26	0.17	0.14	0.15
1.00	0.13	0.43	0.23	0.17	0.27
1.50	0.17	0.52	0.27	0.21	0.38
2.00	0.20	0.62	0.32	0.24	0.45
2.50	0.23	0.67	0.33	0.27	0.57
3.00	0.26	0.73	0.35	0.29	0.64
3.50	0.28	0.75	0.36	0.32	0.67
4.00	0.29	0.78	0.37	0.35	0.70
4.50	0.29	0.79	0.39	0.38	0.72
5.00	0.30	0.79	0.41	0.40	0.76
5.50	0.35	0.80	0.43	0.43	0.77
6.00	0.41	0.80	0.45	0.45	0.78
6.50	0.43	0.81	0.47	0.48	0.79
7.00	0.43	0.82	0.50	0.50	0.79
7.50	0.43	0.84	0.52	0.52	0.80
8.00	0.44	0.85	0.55	0.55	0.81
8.50	0.44	0.88	0.57	0.57	0.82
9.00	0.45	0.90	0.60	0.60	0.83
9.50	0.46	0.92	0.60	0.60	0.83
10.00	0.46	0.95	0.60	0.60	0.83
10.50	0.47	0.98	0.60	0.60	0.83
11.00	0.47	1.00	0.60	0.60	0.83
11.50	0.48	1.00	0.60	0.60	0.83
12.00	0.48	1.00	0.60	0.60	0.83
-0.20	0.06	0.06	0.00	0.00	0.00
0.20	0.09	0.15	0.13	0.12	0.08
0.70	0.12	0.33	0.19	0.17	0.20
1.20	0.15	0.47	0.25	0.19	0.31
1.70	0.18	0.56	0.29	0.22	0.42
25.00	0.50	1.00	0.60	0.60	0.42
-1.50	0.00	0.00	0.00	0.00	0.00
-2.00	0.00	0.00	0.00	0.00	0.00
-10.00	0.00	0.00	0.00	0.00	0.00
-9.00	0.00	0.00	0.00	0.00	0.00
-8.00	0.00	0.00	0.00	0.00	0.00
-7.00	0.00	0.00	0.00	0.00	0.00
-6.00	0.00	0.00	0.00	0.00	0.00
-5.00	0.00	0.00	0.00	0.00	0.00
-4.00	0.00	0.00	0.00	0.00	0.00
-3.00	0.00	0.00	0.00	0.00	0.00
-8.50	0.00	0.00	0.00	0.00	0.00
-4.50	0.00	0.00	0.00	0.00	0.00
-3.50	0.00	0.00	0.00	0.00	0.00
-2.50	0.00	0.00	0.00	0.00	0.00
2.20	0.20	0.54	0.32	0.25	0.52
-1.50	0.00	0.00	0.00	0.00	0.00
-2.50	0.00	0.00	0.00	0.00	0.00
-5.50	0.00	0.00	0.00	0.00	0.00
-6.50	0.00	0.00	0.00	0.00	0.00
-7.50	0.00	0.00	0.00	0.00	0.00
-9.50	0.00	0.00	0.00	0.00	0.00
14.00	0.48	1.00	0.60	0.60	0.42
13.50	0.50	1.00	0.60	0.60	0.42
-3.30	0.35	0.07	0.00	0.00	0.00

Z = SFR, MFR, COM, IND, PUB STRUCTURE DAMAGE
B = MH STRUCTURE
C = SFR, MFR CONTENTS
D = COM, IND, PUB CONTENTS
E = MH CONTENTS

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LOS ANGELES DISTRICT, CORPS OF ENGINEERS
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JIM GEISER
Dames & Moore
7500 No. Dreamy Draw Drive
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D[redacted] MOORE JOB NUMBER 15448-003-022
B[redacted] FRS PHASE II: DAM-BREAK ANALYSIS
FO[redacted] FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

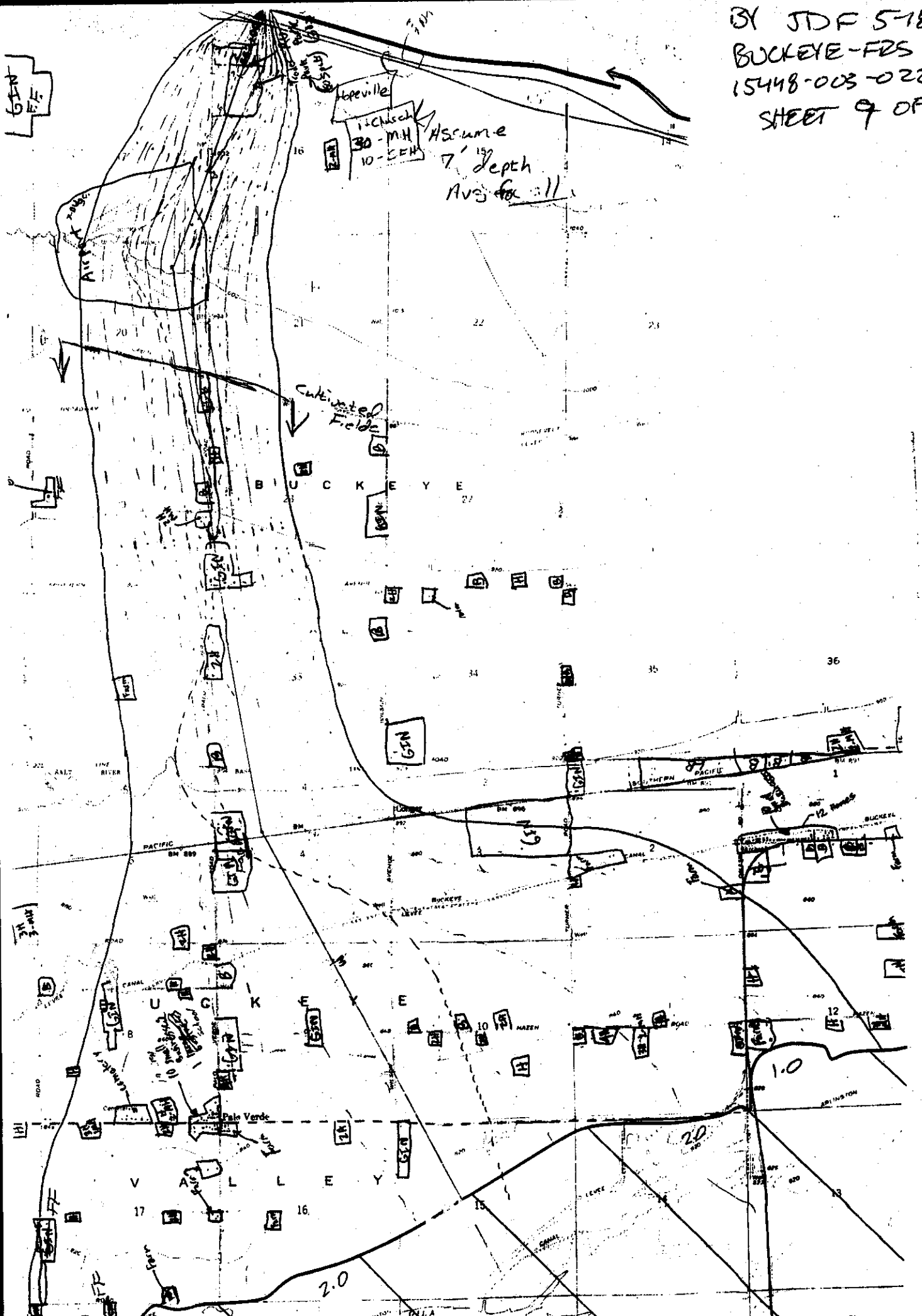
ECONOMIC EVALUATION OF FLOODING DUE TO AN OVERTOPPING FAILURE OF FRS #2

Dam-Break Modeled at Station 300+00

A Flood Depth (ft)	B Effective Flood Depth (ft)	C Structures Affected By Flooding	D Units	E Number of Units	F Estimated Unit Value ($)	G Estimated Contents Value (%)	H Unit Value of Contents ($) F x G/100	I Total Value of Structures ($) E x F	J Total Value of Contents ($) E x H	K FEMA Damage Factor for Structures	L FEMA Damage Factor for Contents	M Estimated Structures Damage ($) I x K	N Estimated Contents Damage ($) J x L	O Total Estimated Damage ($) M + N
5.0	4.0	Mobile Homes	Each	10.0	16,000	150	24,000	160,000	240,000	.78	.70	124,800	168,000	292,800
4.5	3.5	Mobile Homes	Each	5.0	16,000	150	24,000	80,000	120,000	.75	.67	60,000	80,400	140,400
4.0	3.0	Mobile Homes	Each	5.0	16,000	150	24,000	80,000	120,000	.73	.64	58,400	76,800	135,200
	3.5	Single Family Homes	Each	1.0	60,500	50	30,250	60,500	30,250	.28	.36	16,940	10,890	27,830
	3.5	Farm Facilities	Each	1.0	120,000	97	116,400	120,000	116,400	.28	.36	33,600	41,904	75,504
3.5	2.5	Mobile Homes	Each	5.0	16,000	150	24,000	80,000	120,000	.67	.57	53,600	68,400	122,000
3.0	2.0	Mobile Homes	Each	6.0	16,000	150	24,000	96,000	144,000	.62	.49	59,520	70,560	130,080
	2.5	Single Family Homes	Each	137.0	60,500	50	30,250	8,288,500	4,144,250	.23	.33	1,906,355	1,367,603	3,273,958
	2.5	Small Businesses	Each	3.0	135,000	113	152,550	405,000	457,650	.23	.27	93,150	123,566	216,716
	2.5	Churches	Each	2.0	125,000	50	62,500	250,000	125,000	.23	.27	57,500	33,750	91,250
	2.5	Public Schools	Each	1.0	1,250,000	50	625,000	1,250,000	625,000	.23	.27	287,500	168,750	456,250
	2.5	Public Buildings	Each	1.0	200,000	50	100,000	200,000	100,000	.23	.27	46,000	27,000	73,000
2.5	1.5	Mobile Homes	Each	6.0	16,000	150	24,000	96,000	144,000	.52	.38	49,920	54,720	104,640
	2.0	Single Family Homes	Each	222.0	60,500	50	30,250	13,431,000	6,715,500	.20	.32	2,686,200	2,148,960	4,835,160
	2.0	Small Businesses	Each	24.0	135,000	113	152,550	3,240,000	3,661,200	.20	.24	648,000	878,688	1,526,688
	2.0	Churches	Each	5.0	125,000	50	62,500	625,000	312,500	.20	.24	125,000	75,000	200,000
	2.0	Public Buildings	Each	1.0	200,000	50	100,000	200,000	100,000	.20	.24	40,000	24,000	64,000
	2.0	Large Businesses	Each	2.0	750,000	113	847,500	1,500,000	1,695,000	.20	.32	300,000	542,400	842,400
2.0	1.0	Mobile Homes	Each	5.0	16,000	150	24,000	80,000	120,000	.43	.27	34,400	32,400	66,800
	1.5	Single Family Homes	Each	267.0	60,500	50	30,250	16,153,500	8,076,750	.17	.27	2,746,095	2,180,723	4,926,818
	1.5	Small Businesses	Each	11.0	135,000	113	152,550	1,485,000	1,678,050	.17	.21	252,450	352,391	604,841
	1.5	Churches	Each	3.0	125,000	50	62,500	375,000	187,500	.17	.21	63,750	39,375	103,125
	1.5	Public Schools	Each	1.0	1,250,000	50	625,000	1,250,000	625,000	.17	.21	212,500	131,250	343,750
	1.5	Public Buildings	Each	1.0	200,000	50	100,000	200,000	100,000	.17	.21	34,000	21,000	55,000
	1.5	Large Businesses	Each	2.0	750,000	113	847,500	1,500,000	1,695,000	.17	.27	255,000	457,650	712,650
1.5	.5	Mobile Homes	Each	4.0	16,000	150	24,000	64,000	96,000	.26	.15	16,640	14,400	31,040
	1.0	Single Family Homes	Each	228.0	60,500	50	30,250	13,794,000	6,897,000	.13	.23	1,793,220	1,586,310	3,379,530
	1.0	Small Businesses	Each	11.0	135,000	113	152,550	1,485,000	1,678,050	.13	.17	193,050	285,269	478,319
	1.0	Churches	Each	8.0	125,000	50	62,500	1,000,000	500,000	.13	.17	130,000	85,000	215,000
	1.0	Public Schools	Each	1.0	1,250,000	50	625,000	1,250,000	625,000	.13	.17	162,500	106,250	268,750
	1.0	Public Buildings	Each	2.0	200,000	50	100,000	400,000	200,000	.13	.17	52,000	34,000	86,000
	1.0	Large Businesses	Each	4.0	750,000	113	847,500	3,000,000	3,390,000	.13	.23	390,000	779,700	1,169,700
1.0	.0	Mobile Homes	Each	6.0	16,000	150	24,000	96,000	144,000	.08	.03	7,680	4,320	12,000
	0.5	Single Family Homes	Each	52.0	60,500	50	30,250	3,146,000	1,573,000	.11	.17	346,060	267,410	613,470
	0.5	Small Businesses	Each	9.0	135,000	113	152,550	1,215,000	1,372,950	.11	.14	133,650	192,213	325,863
	0.5	Large Businesses	Each	1.0	750,000	113	847,500	750,000	847,500	.11	.14	82,500	118,650	201,150
	0.5	Cotton Gin	Each	1.0	1,000,000	100	1,000,000	1,000,000	1,000,000	.11	.17	110,000	170,000	280,000
	0.5	Farm Facilities	Each	1.0	120,000	97	116,400	120,000	116,400	.11	.17	13,200	19,788	32,988
0.5	-0.5	Mobile Homes	Each	103.0	16,000	150	24,000	1,648,000	2,472,000	.04	.00	65,920	0	65,920
	.0	Single Family Homes	Each	11.0	60,500	50	30,250	665,500	332,750	.08	.11	53,240	36,603	89,843
	.0	Small Businesses	Each	7.0	135,000	113	152,550	945,000	1,067,850	.08	.10	75,600	106,785	182,385
	.0	Large Businesses	Each	1.0	750,000	113	847,500	750,000	847,500	.08	.11	60,000	93,225	153,225
		Cultivated Land	Acre	3,100.0	1,012		0	3,137,200	0	1.00	.00	3,137,200	0	3,137,200
	Subtotal													30,143,240
	x 15% for damage to roads & Utilities													4,521,486
	TOTALS							85,671,200	54,613,050			17,067,140	13,076,100	34,664,726

BY JDF 5-18-90
PAGE 8 OF 13

BY JDF 5-18-90
BUCKEYE-FDS
15448-003-022
SHEET 9 OF 13



15448-003-022
BUCKEYE FRS

DAMES & MOORE JOB NUMBER 15448-003-022
BUCKEYE FRS PHASE II: DAM-BREAK ANALYSIS
FOR THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ECONOMIC EVALUATION OF FLOODING DUE TO A SEEPAGE FAILURE OF FRS #1

Dam-Break Modeled at Station 662+00

A Flood Depth (ft)	B Effective Flood Depth (ft)	C Structures Affected By Flooding	D Units	E Number of Units	F Estimated Unit Value ($)	G Estimated Contents Value (%)	H Unit Value of Contents ($) F x G/100	I Total Value of Structures ($) E x F	J Total Value of Contents ($) E x H	K FEMA Damage Factor for Structures	L FEMA Damage Factor for Contents	M Estimated Structures Damage ($) I x K	N Estimated Contents Damage ($) J x L	O Total Estimated Damage ($) M + N
7.0	6.5	Single Family Homes	Each	10.0	60,500	50	30,250	605,000	302,500	.42	.47	254,100	142,175	396,275
	6.0	Mobile Homes	Each	30.0	16,000	150	24,000	480,000	720,000	.80	.78	384,000	561,600	945,600
	6.5	Church	Each	1.0	125,000	50	62,500	125,000	62,500	.42	.48	52,500	30,000	82,500
4.5	4.0	Small Businesses	Each	7.0	135,000	113	152,550	945,000	1,067,850	.28	.35	264,600	373,748	638,348
4.0	3.5	Single Family Homes	Each	3.0	60,500	50	30,250	181,500	90,750	.28	.36	50,820	32,670	83,490
	3.0	Mobile Homes	Each	1.0	16,000	150	24,000	16,000	24,000	.73	.64	11,680	15,360	27,040
	3.5	Small Businesses	Each	1.0	135,000	113	152,550	135,000	152,550	.28	.32	37,800	48,816	86,616
	3.5	Large Businesses	Each	1.0	750,000	113	847,500	750,000	847,500	.28	.36	210,000	305,100	515,100
	3.5	Cotton Gin	Each	1.0	1,000,000	100	1,000,000	1,000,000	1,000,000	.28	.32	280,000	320,000	600,000
3.5	3.0	Single Family Homes	Each	2.0	60,500	50	30,250	121,000	60,500	.27	.35	32,670	21,175	53,845
2.5	2.0	Single Family Homes	Each	9.0	60,500	50	30,250	544,500	272,250	.20	.32	108,900	87,120	196,020
	2.0	Small Businesses	Each	3.0	135,000	113	152,550	405,000	457,650	.20	.24	81,000	109,836	190,836
	2.0	Farm Facilities	Each	3.0	120,000	97	116,400	360,000	349,200	.20	.32	72,000	111,744	183,744
2.0	1.5	Single Family Homes	Each	7.0	60,500	50	30,250	423,500	211,750	.17	.27	71,995	57,173	129,168
	1.5	Small Businesses	Each	2.0	135,000	113	152,550	270,000	305,100	.17	.21	45,900	64,071	109,971
	1.0	Mobile Homes	Each	1.0	16,000	150	24,000	16,000	24,000	.43	.27	6,880	6,480	13,360
	1.5	Farm Facilities	Each	1.0	120,000	97	116,400	120,000	116,400	.17	.27	20,400	31,428	51,828
1.5	1.0	Single Family Homes	Each	13.0	60,500	50	30,250	786,500	393,250	.13	.23	102,245	90,448	192,693
	1.0	Small Businesses	Each	11.0	135,000	113	152,550	1,485,000	1,678,050	.13	.17	193,050	285,269	478,319
	1.0	Public School	Each	1.0	1,250,000	50	625,000	1,250,000	625,000	.13	.17	162,500	106,250	268,750
	1.0	Farm Facilities	Each	5.0	120,000	97	116,400	600,000	582,000	.13	.23	78,000	133,860	211,860
1.0	0.5	Single Family Homes	Each	9.0	60,500	50	30,250	544,500	272,250	.11	.17	59,895	46,283	106,178
	0.0	Mobile Homes	Each	2.0	16,000	150	24,000	32,000	48,000	.08	.03	2,560	1,440	4,000
	0.5	Farm Facilities	Each	1.0	120,000	97	116,400	120,000	116,400	.11	.17	13,200	19,788	32,988
	0.5	Church	Each	2.0	125,000	50	62,500	250,000	125,000	.11	.14	27,500	17,500	45,000
0.5	0.0	Single Family Homes	Each	7.0	60,500	50	30,250	423,500	211,750	.08	.11	33,880	23,293	57,173
	-0.5	Mobile Homes	Each	2.0	16,000	150	24,000	32,000	48,000	.04	.00	1,280	0	1,280
	0.0	Farm Facilities	Each	5.0	120,000	97	116,400	600,000	582,000	.08	.11	48,000	64,020	112,020
	0.0	Cotton Gin	Each	2.0	1,000,000	100	1,000,000	2,000,000	2,000,000	.08	.10	160,000	200,000	360,000
		Cultivated Land	Acre	6,400.0	1,012		0	6,476,800	0	1.00	.00	6,476,800	0	6,476,800
	Subtotal													12,650,799
	x 15% for damage to roads & Utilities													1,897,620
	TOTALS							21,097,800	12,746,200			9,344,155	3,306,644	14,548,419

BY JDF 5-18-90
SHEET 10 OF 13

BUCKEYE FRS #3
WHITE TANK
LANDING FIELD (CLOSED)
Trailer Park (45 spots)
Cemetery
FARM
FARM TRACT
Cultivated Fields
Assume 30% are not in Flood plain
The rest are evenly distributed, i.e. of Flood plain, i.e. 9/Depth
Substation
Gin B
H-21
MH-11