RWCD DESIGN TR-20 2000

LAND USE WITH 1"OF STORAGE

Run at Fort Worth

UTAH STATE UNIVERSITY

X EU Nov 1974

RWCD DESIGN

TR-20

2000 LAND USE

With 1" of Storage

Rev

Alt 3 Used for Design

11-18-80

SCI Consulting Engrs Inc

RWCD

WSP-2 PRINTOUT
4-77

NOTE This Run is Same as Alt 3 (Sept 1980) EXCEPT X-Section No.'s have been changed & CN at X-Sect 67 (old X-Sect No 143) have been changed from 73 to 72. There is slight diff in computed peaks however due to update in computer program between the two Runs.

100 yr Rainfall (point)

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

30"	1.90	1.33
1 hr	2.40	1.59
2 hr	2.74	
6 hr	2.99	
24 hr	3.53	

SPF pattern

59% for 10 mi for 1 hr

Corps & Engrs Storm
Data on KWLD Area

7 hr Storm

Fit in with 7 hr SPF of 1954

avg storm pattern
avg RO parameters

1 hr duration - parameter change

2 & 7 hr storm 100 - give max 1 hr

Given storm at gage location Dage = 0.50 mi
Same storm Dage on Core Crk. = 120.0 mi

Regenerated 100 yr peak on some two stations

Point	0.50 mi	20.0 mi	120.0 mi
24 hr.			
15"	39	30	20
30"	54	44	34
12	68	60	52

Cover please
THIS NOTE WAS
IN COPY OF COMPUTER
PRINTOUT SENT TO
WENDELL STONER
IN PORTLAND
5/14/75

To PAUL
MONVILLE

This is the run of
Nov 1974 @ FORT WORTH

Gives a most exact answer
gotten on State Computer
For our Design of RWCD.

"Bob"

Note: We only got one copy
so I copied Summary
tables + the flow
diagram for REX.

UNITED STATES DEPARTMENT OF AGRICULTURE

REQUEST FOR SUPPLIES, EQUIPMENT, OR SERVICE

DM # 2 of 2

20-ADP-AZ-75

C.S.S. NO. 613435

TO: CENTRAL SUPPLY SECTION, WASHINGTON, D. C. 20250

DELIVER	MESSENGER	PARCEL POST	FREIGHT	EXPRESS	MAIL	AIR EXPRESS	AIR PARCEL POST

DATE: November 19, 1974

AGENCY NO.

AGENCY: SCS

APPROPRIATION SYMBOL AND PROJECT NO.: 12X1072 (WF-08)) (2007)

ENCUMBERED: $ 270.00 (Est.)

DELIVERY ADDRESS: Robert M. Bartels, Hydraulic Engineer
SCS - RMMP Staff
Suite 326, Arizona Title Bldg.
111 W. Monroe, Phoenix, AZ 85003

GIVE YOUR ZIP CODE NUMBER

BILL MATERIALS AND TRANSPORTATION TO: Original material being sent with order: 7 TR-20 Input Data Sheets (4 copies of listing of order of cards) & 1 Schematic of Watershed (241 punched cards)

CODE SYMBOLS:
√—FURNISHED
X—BACK-ORDERED
TOS—TEMPORARILY OUT OF STOCK: RE-ORDER EACH ITEM ON SEPARATE REQUISITION
NS—NOT STOCKED

Please furnish in accordance with instructions here-on the following items which I certify are necessary for use in the public service.

D.G. Duran, of RMMP Staff Leader

CODE	LINE NO.	ITEM NO.	DESCRIPTION OF ARTICLES	NUMBER OF UNITS	UNIT	UNIT PRICE	STORES	FORMS
	1		To: Erland E. Warnick, Head, ADP Unit, P.O. Box 6567, Ft. Worth, Texas 76115					
	2		Project Formulation: Hydrology (TR-20)					
	3		Please process Alternate 3 of the RMCD Floodway Design formulation. This					
	4		alternate assumes the year 2000 land use and the use of one inch of on site storage for all new development after January 1, 1975.					
	5		This alternate was processed on the State of Arizona IBM 360, but they didn't					
	6		have the latest update of the program. To assure that the answers obtained are valid, we need this run processed with the latest update. Enclosed for					
	7		your use are the punched cards (241) for the rainfall, null structures, and standard controls. Input data sheets for List and Exec. Control are also					
	8		included and will need to be punched. Besides the printed hydrographs already asked for in the punched cards, we would like hydrographs for x-sections 4, 24 & 50.					
	9		Please run with the full print option and return 2 copies of the printout.					
	10		Retain the punched cards for 3 months as we may need additional processing at that time, return cards to us.					
	11		If you have any questions, call: Robert M. Bartels					
	12		Hydraulic Engineer 602-261-4031					

Cartons/boxes used for shipment:

DO NOT WRITE BELOW THIS LINE

11-21-74 #165 11/19/74

FILLED BY:

CHECKED BY:

PACKED OR DELIVERED BY:

SHIPPED VIA— PARCEL POST | FREIGHT | EXPRESS | MAIL | AIR EXPRESS | AIR PARCEL POST

GOVT. B/L NO. DATE

CONTAINERS CLASS WEIGHT

SUBTOTALS

REQUISITION TOTAL

RECEIPT

I CERTIFY that the materials, equipment, or services itemized above have been received in the quantity specified, except as otherwise noted.

(Date) (Signature)

4. MEMORANDUM COPY

AD-2-65 14

FORM TSC-ADP-5 3-74

UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE P. O. Box 6567, Fort Worth, Texas 76115

SUBJECT: MGT-ADP-Computer Assistance - DATE: November 26, 1974

RWCD ALTERNATE 3

TO: Robert M. Bartels, Hydraulic Engineer
SCS - RBWP Staff
Suite 326, Arizona Title Bldg.
111 W. Monroe
Phoenix, Arizona 85003

At your request we have developed computer solution for:

TR-20

ORDER NO. 20-ADP-AZ-75 ADP NO. 2102 COST $165.00

ATTACHMENTS:

x INPUT DATA SHEETS

x PRINTED OUTPUT

____ PLOTTINGS

____ SUPPORTING DATA

____ PUNCHED CARDS

REMARKS:

We will hold the cards until requested by you.

If you have any questions please feel free to contact the ADP Unit (Telephone Area Code 817 334-5410/5477).

Erlend B. Warnick

Erlend B. Warnick
Head, ADP Unit

ALT 3 (KEQ Sept 1974)

1/10

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JOB                                   FULLPRINT
                                      RWCD 2000 LAND USE @ 1" of Storage on new Urban
5 RAINFL 1 3                  0.5
8                .000          .005        .011        .016        .022
8                .028          .035        .041        .048        .056
8                .063          .071        .080        .089        .098
8                .109          .120        .133        .147        .163
8                .181          .204        .235        .283        .663
8                .735          .772        .799        .820        .838
8                .854          .868        .880        .891        .902
8                .912          .921        .929        .937        .945
8                .952          .959        .965        .972        .978
3                .984          .989        .995       1.000       1.000
9 ENDTBL
3 STRUCT        01
8                             100.
9 ENDTBL
3 STRUCT        02
8                              50.
9 ENDTBL
6 RUNOFF 1 003      6 3.00      72.0        0.80      1       1   1
6 REACH  3 005   6  5 7000.     0.75                  1           1
6 RUNOFF 1 008      6 2.58      74.0        1.00      1       1   1
6 ADDHYD 4 010   5 6 7                                1       1   1
6 REACH  3 011   7  5 2700.     0.75                  1           1
6 RUNOFF 1 012      6 1.58      75.0        1.00      1       1   1
6 ADDHYD 4 013   5 6 7                                1       1   1
6 REACH  3 014   7  1 5000.     0.75                              1
6 RUNOFF 1 017      7 1.42      75.0        0.75      1           1
6 REACH  3 019   7  5 7000.     0.60                              1
6 RUNOFF 1 020      6 1.32      73.0        0.90      1       1   1
6 ADDHYD 4 021   5 6 2                                1       1   1
6 ADDHYD 4 022   1 2 7                                1 1         1
6 REACH  3 023   7  1 3000.     0.75                              1
6 RUNOFF 1 029      7 1.33      74.0        0.70                  1
6 REACH  3 032   7  5 11500.    0.61                              1
6 RUNOFF 1 033      6 0.85      73.0        1.25      1       1   1
6 ADDHYD 4 034   5 6 2                                1       1   1
6 ADDHYD 4 035   1 2 7                                1           1
6 REACH  3 036   7  1 3400.     0.75                              1
6 RUNOFF 1 039      7 0.63      73.0        0.60                  1
```

Note Values Listed Below show x-sec No used in 5+6

1
2

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6	RUNOFF	1	021		6	1.[illegible]	75.[illegible]	[illegible]	1		1	1	10
6	ADDHYD	4	021	5 6 2					1		1	1	10
	ADDHYD	4	022	1 2 7					1	1		1	11
	REACH	3	023	7	1	3000.	0.75					1	12
6	RUNOFF	1	029		7	1.33	74.0	0.70				1	13
6	REACH	3	032	7	5	11500.	0.61					1	14
6	RUNOFF	1	033		6	0.85	73.0	1.25	1		1	1	15
6	ADDHYD	4	034	5 6 2					1		1	1	15
6	ADDHYD	4	035	1 2 7					1			1	16
6	REACH	3	036	7	1	3400.	0.75					1	17
6	RUNOFF	1	039		7	0.63	73.0	0.60				1	18
6	REACH	3	041	7	5	14000.	0.53					1	19
6	RUNOFF	1	042		6	0.63	73.0	1.55				1	20
6	ADDHYD	4	043	5 6 2					1		1	1	20
6	RUNOFF	1	048		7	1.13	73.0	0.45				1	21
6	REACH	3	050	7	5	15000.	0.62					1	22
6	RUNOFF	1	051		6	0.81	73.0	1.90	1		1	1	23
6	ADDHYD	4	052	5 6 3					1		1	1	23
6	ADDHYD	4	053	2 3 6					1			1	24
6	ADDHYD	4	054	1 6 3					1	1	1	1	25
6	RUNOFF	1	057		7	1.20	75.0	0.75				1	26
6	RUNOFF	1	064		6	1.27	75.0	0.65				1	27
6	ADDHYD	4	066	7 6 4					1		1	1	27
6	REACH	3	067	4	5	12000.	0.56					1	28
6	RUNOFF	1	068		6	1.56	73.0	1.60				1	29
6	ADDHYD	4	069	5 6 1					1		1	1	29
6	RUNOFF	1	075		7	1.48	75.0	0.60				1	30
6	REACH	3	077	7	5	7500.	0.56					1	31
6	ADDHYD	4	078	5 1 7					1		1	1	31
6	REACH	3	079	7	5	16000.	0.63					1	32
6	RUNOFF	1	080		6	3.12	73.0	2.10	1		1	1	33
6	ADDHYD	4	081	5 6 2					1		1	1	33
6	ADDHYD	4	082	2 3 7					1	1	1	1	34
6	REACH	3	083	7	5	5800.	0.75					1	35
6	RUNOFF	1	084		6	0.36	72.0	1.10	1		1	1	36
6	ADDHYD	4	086	5 6 2								1	37
6	RUNOFF	1	089		1	0.67	73.0	0.70				1	38
6	RUNOFF	1	092		7	1.57	74.0	0.90				1	39
6	REACH	3	094	7	5	21000.	0.54					1	40
6	RUNOFF	1	095		6	1.28	74.0	2.85				1	41
6	ADDHYD	4	096	5 6 3					1		1	1	41
6	RUNOFF	1	099		7	1.06	73.0	0.90				1	42
6	REACH	3	101	7	5	20000.	0.53					1	43
6	RUNOFF	1	107		6	1.63	74.0	2.60	1		1	1	44
6	ADDHYD	4	108	5 6 4					1		1	1	44
6	ADDHYD	4	109	3 4 7					1			1	45
6	REACH	3	110	7	5	4700.	0.51					1	46
6	RUNOFF	1	113		6	1.63	71.0	2.40				1	47

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6	ADDHYD	4	098	5 6 3					1	1	1	41
6	RUNOFF	1	099		7	1.06	73.0	0.90			1	42
	REACH	3	101	7	5	20000.	0.55				1	43
	RUNOFF	1	107		6	1.63	74.0	2.60	1	1	1	44
6	ADDHYD	4	108	5 6 4					1	1	1	44
6	ADDHYD	4	109	3 4 7					1		1	45
6	REACH	3	110	7	5	4700.	0.51				1	46
6	RUNOFF	1	113		6	1.63	71.0	2.40			1	47
6	ADDHYD	4	114	5 6 7					1	1	1	47
6	REACH	3	115	7	5	8000.	0.47				1	48
6	RUNOFF	1	116		6	1.04	52.0	2.00			1	49
6	ADDHYD	4	117	5 6 3					1	1	1	50
6	ADDHYD	4	118	2 3 7					1 1	1	1	51
6	REACH	3	119	7	2	4000.	0.75				1	52
6	RUNOFF	1	120		7	2.69	67.0	3.20			1	53
6	REACH	3	121	7	5	8500.	0.47				1	54
6	RUNOFF	1	122		6	0.97	51.0	1.80			1	55
6	ADDHYD	4	123	5 6 3					1	1	1	55
6	ADDHYD	4	124	2 3 7					1	1	1	56
6	REACH	3	125	7	2	5000.	0.75				1	57
6	RUNOFF	1	128		7	1.05	75.0	0.70			1	58
6	REACH	3	130	7	3	7400.	0.54				1	59
6	RUNOFF	1	133		7	1.71	76.0	0.60			1	60
6	REACH	3	135	7	5	5000.	0.54				1	61
6	ADDHYD	4	136	5 3 7					1	1	1	61
6	REACH	3	137	7	5	8000.	0.54				1	62
6	RUNOFF	1	138		6	3.60	76.0	2.30			1	63
6	ADDHYD	4	139	5 6 4					1	1	1	63
6	REACH	3	140	1	5	8500.	0.54				1	64
6	ADDHYD	4	141	5 4 7					1	1	1	65
6	REACH	3	142	7	5	31000.	0.50				1	66
6	RUNOFF	1	143		6	6.47	73.0	6.10			1	67
6	ADDHYD	4	144	5 6 4					1	1	1	67
6	ADDHYD	4	145	2 4 7					1 1	1	1	68
6	REACH	3	146	7	2	7400.	0.75				1	69
6	RUNOFF	1	147		1	0.95	75.0	2.30			1	70
6	RUNOFF	1	150		6	2.55	75.0	3.25			1	71
6	REACH	3	151	6	5	21000.	0.47				1	72
6	RUNOFF	1	152		6	1.32	75.0	3.80			1	73
6	ADDHYD	4	153	5 6 4					1	1	1	73
6	ADDHYD	4	154	1 4 6					1	1	1	74
6	ADDHYD	4	155	2 6 4							1	75
6	RUNOFF	1	156		6	0.50	75.0	2.00			1	76
6	ADDHYD	4	157	4 6 7					1 1	1	1	77
6	REACH	3	158	7	1	4200.	0.75				1	78
6	RUNOFF	1	159		5	2.31	75.0	3.95			1	79
6	RUNOFF	1	160		6	1.11	75.0	2.20			1	80
6	ADDHYD	4	161	5 6 7					1	1	1	80

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6	RUNOFF	1	150			5	2.[illegible]	[illegible]		[illegible]				1	72
	REACH	3	151	6		5	21000.	0.4[illegible]						1	72
	RUNOFF	1	152			6	1.32	75.0		3.80				1	73
	ADDHYD	4	153	5	6	4					1		1	1	73
6	ADDHYD	4	154	1	4	6					1		1	1	74
6	ADDHYD	4	155	2	6	4								1	75
6	RUNOFF	1	156			6	0.50	75.0		2.00				1	76
6	ADDHYD	4	157	4	6	7					1	1	1	1	77
6	REACH	3	158	7		1	4200.	0.75						1	78
6	RUNOFF	1	159			5	2.31	75.0		3.95				1	79
6	RUNOFF	1	160			6	1.11	75.0		2.20				1	80
6	ADDHYD	4	161	5	6	7					1		1	1	80
6	REACH	3	162	7		5	10000.	0.47						1	81
6	RUNOFF	1	163			6	1.06	75.0		2.00				1	82
6	ADDHYD	4	164	5	6	4					1		1	1	82
6	RUNOFF	1	165			6	2.54	75.0		3.50				1	83
6	ADDHYD	4	166	4	6	7					1		1	1	84
6	REACH	3	167	7		5	11000.	0.47						1	85
6	RUNOFF	1	168			6	0.57	75.0		2.00				1	86
6	ADDHYD	4	169	5	6	2					1		1	1	86
6	RUNOFF	1	170			5	1.28	75.0		2.00				1	87
6	RUNOFF	1	171			6	2.12	75.0		3.60				1	88
6	ADDHYD	4	172	5	6	7					1		1	1	88
6	REACH	3	173	7		5	10000.	0.47						1	89
6	RUNOFF	1	174			6	1.66	75.0		1.80				1	90
6	ADDHYD	4	175	5	6	3					1		1	1	90
6	ADDHYD	4	176	2	3	7					1		1	1	91
6	REACH	3	177	7		5	7500.	0.47						1	92
6	RUNOFF	1	178			6	0.64	75.0		1.50				1	93
6	ADDHYD	4	179	5	6	2					1		1	1	93
6	RUNOFF	1	180			6	1.71	75.0		3.30				1	94
6	ADDHYD	4	181	2	6	7								1	95
6	REACH	3	182	7		5	5000.	0.47						1	96
6	RUNOFF	1	183			6	0.52	75.0		0.90				1	97
6	ADDHYD	4	184	5	6	4					1	1	1	1	98
6	ADDHYD	4	186	1	4	6					1	1	1	1 1	100 99
6	RESVOR	2	01	6		2	100.0					1		1	101
6	RUNOFF	1	303			7	1.00	75.0		2.20				1	101
6	REACH	3	305	7		3	16000.	0.81			1		1	1	102
6	RUNOFF	1	306			5	2.97	68.0		3.80				1	103
6	RUNOFF	1	307			6	9.48	74.0		5.4	1		1	1	104
6	ADDHYD	4	308	5	6	7					1		1	1	104
6	REACH	3	309	7		5	2700.	0.47						1	105
6	RUNOFF	1	310			6	0.99	75.0		2.50				1	106
6	ADDHYD	4	311	5	6	7					1		1	1	107
6	REACH	3	312	7		5	3000.	0.47						1	108
6	RUNOFF	1	313			6	3.70	75.0		4.4				1	109
6	ADDHYD	4	314	5	6	7					1		1	1	109

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6	RESVOR	2	01	6	2	100.0								
	RUNOFF	1	303		7	1.00	75.0	2.20		1		1	101	
	REACH	3	305	7	3	15000.	0.81					1	101	
6	RUNOFF	1	306		5	2.97	68.0	3.80	1		1	1	102	
6	RUNOFF	1	307		6	9.48	74.0	5.4				1	103	
6	ADDHYD	4	308	5 6 7					1		1	1	104	
6	REACH	3	309	7	5	2700.	0.47		1		1	1	104	
6	RUNOFF	1	310		6	0.99	75.0	2.50				1	105	
6	ADDHYD	4	311	5 6 7								1	106	
6	REACH	3	312	7	5	3000.	0.47		1		1	1	107	
6	RUNOFF	1	313		6	3.70	75.0	4.4				1	108	
6	ADDHYD	4	314	5 6 7								1	109	
6	REACH	3	315	7	5	16000.	0.47		1		1	1	109	
6	RUNOFF	1	316		6	2.90	68.0	3.0				1	110	
6	ADDHYD	4	317	5 6 4								1	111	
6	RUNOFF	1	318		6	1.25	75.0	3.2	1		1	1	112	
6	RUNOFF	1	319		5	2.05	75.0	5.0				1	113	
6	ADDHYD	4	320	5 6 7								1	114	
6	REACH	3	321	7	5	2700.	0.47		1		1	1	114	
6	RUNOFF	1	322		6	3.20	75.0	5.4				1	115	
6	ADDHYD	4	323	5 6 7					1		1	1	116	
6	REACH	3	324	7	5	2500.	0.47					1	116	
6	ADDHYD	4	325	5 4 7								1	117	
6	RUNOFF	1	327		6	0.58	75.0	1.3	1		1	1	118	
6	ADDHYD	4	328	7 6 4								1	120	
6	REACH	3	329	4	5	4650.	0.47					1	120	
6	RUNOFF	1	330		6	0.41	75.0	0.90				1	121	
6	ADDHYD	4	331	5 6 7								1	122	
6	REACH	3	332	7	5	2400.	0.47		1		1	1	123	
6	RUNOFF	1	333		6	0.54	75.0	0.47				1	124	
6	ADDHYD	4	334	5 6 7								1	125	
6	REACH	3	335	7	5	1800.	0.47					1	125	
6	ADDHYD	4	336	5 3 7					1	1	1	1	126	
6	REACH	3	337	7	5	9000.	0.81					1	127	
6	ADDHYD	4	338	5 2 7					1	1	1	1	128	
6	REACH	3	339	7	3	11000.	0.75		1	1	1	1	129	
6	RUNOFF	1	340		6	1.56	68.0	2.8				1	130	
6	REACH	3	341	6	5	28400.	0.47					1	131	
6	RUNOFF	1	342		6	6.11	50.	5.6				1	132	
6	ADDHYD	4	343	5 6 7					1		1	1	133	
6	REACH	3	344	7	5	17000.	0.47					1	134	
6	RUNOFF	1	345		6	3.60	53.0	3.2				1	135	
6	ADDHYD	4	346	5 6 4								1	136	
6	RUNOFF	1	347		6	4.68	53.0	5.6	1		1	1	136	
6	REACH	3	348	5	5	12700.	0.47					1	137	
6	RUNOFF	1	349		6	0.72	55.0	2.4				1	138	
6	ADDHYD	4	350	5 5 7								1	139	
									1		1	1	139	

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	6	REACH	3	335	7	5	1800.	0.4			1	1	1	1	126
		ADDHYD	4	336	5 3 7									1	127
		REACH	3	337	7	5	9000.	0.81			1	1	1	1	128
		ADDHYD	4	338	5 2 7						1	1	1	1	129
	6	REACH	3	339	7	3	11000.	0.75						1	130
	6	RUNOFF	1	340		6	1.56	68.0	2.8					1	131
	6	REACH	3	341	6	5	28400.	0.47						1	132
	6	RUNOFF	1	342		6	6.11	50.	5.6		1		1	1	133
1	6	ADDHYD	4	343	5 6 7									1	134
1256		REACH	3	344	7	5	17000.	0.47						1	135
1266		RUNOFF	1	345		6	3.60	53.0	3.2					1	136
1276		ADDHYD	4	346	5 6 4						1		1	1	136
1286		RUNOFF	1	347		6	4.68	53.0	5.6					1	137
1296		REACH	3	348	6	5	12700.	0.47						1	138
1296		RUNOFF	1	349		6	0.72	55.0	2.4					1	139
1306		ADDHYD	4	350	5 6 7						1		1	1	139
1316		ADDHYD	4	351	4 7 6						1		1	1	140
1326		REACH	3	352	6	5	2000.	0.47						1	141
1336		RUNOFF	1	353		6	5.25	75.	3.3		1		1	1	142
1336		ADDHYD	4	354	5 6 7										143
1346		REACH	3	355	7	5	1800.	0.47			1	1	1	1	144
1356		ADDHYD	4	356	5 3 7						1	1	1	1	145
1366		REACH	3	357	7	3	7000.	0.75						1	146
1376		RUNOFF	1	358		6	3.07	50.0	5.0					1	147
1386		RUNOFF	1	359		5	0.69	50.0	1.8					1	148
1396		ADDHYD	4	360	5 6 7						1		1	1	148
1406		REACH	3	361	7	5	29350.	0.47						1	149
1406		RUNOFF	1	362		5	5.93	51.0	5.6					1	150
1416		ADDHYD	4	363	5 6 7						1	1	1	1	151
1426		ADDHYD	4	364	7 3 6						1		1	1	152
1436		REACH	3	365	6	5	20000.	0.75						1	153
1446		RUNOFF	1	366		6	1.03	68.0	1.7		1	1	1	1	154
1456		ADDHYD	4	367	5 6 3						1	1	1	1	155
1466		RUNOFF	1	417		6	15.90	54.0	3.8		1		1	1	156
1476		REACH	3	419	6	5	46000.	0.70						1	157
1476		RUNOFF	1	420		6	4.70	53.0	3.2					1	158
1486		ADDHYD	4	422	5 6 4						1		1	1	158
1496		RUNOFF	1	439		6	7.90	58.0	4.3		1		1	1	159
1506		RUNOFF	1	441		5	9.00	73.0	2.7		1		1	1	160
1506		ADDHYD	4	442	5 6 7									1	161
1516		REACH	3	443	7	5	8800.	0.47						1	162
1526		RUNOFF	1	446		6	16.60	65.0	3.8		1		1	1	163
1526		ADDHYD	4	448	5 6 7						1		1	1	164
1536		REACH	3	449	7	5	5200.	0.47						1	165
1546		RUNOFF	1	450		6	6.00	67.0	2.5		1		1	1	166
1546		ADDHYD	4	451	5 6 7						1	1	1	1	167
1556		REACH	3	452	7	5	21000.	0.47						1	168

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	ADDHYD	4	422	5 6 4					1		1	1	158
	RUNOFF	1	439		6	7.90	58.0	4.3	1		1	1	159
	RUNOFF	1	441		5	9.00	73.0	2.7	1		1	1	160
	ADDHYD	4	442	5 6 7								1	161
1516	REACH	3	443	7	5	8800.	0.47					1	162
1516	RUNOFF	1	446		6	16.60	65.0	3.8	1		1	1	163
1526	ADDHYD	4	448	5 6 7					1		1	1	164
1536	REACH	3	449	7	5	5200.	0.47					1	165
1546	RUNOFF	1	450		6	6.00	67.0	2.5	1		1	1	166
1546	ADDHYD	4	451	5 6 7					1	1	1	1	167
1556	REACH	3	452	7	5	21000.	0.47					1	168
1566	RUNOFF	1	453		6	3.90	50.	4.0				1	169
1576	ADDHYD	4	454	5 6 2					1		1	1	169
1586	RUNOFF	1	455		6	13.90	73.0	2.0	1		1	1	170
1596	ADDHYD	4	456	2 6 7									171
1596	REACH	3	457	7	5	16000.	0.47					1	172
1606	RUNOFF	1	458		6	8.30	79.0	1.4	1		1	1	173
1606	ADDHYD	4	459	5 6 2								1	174
1616	RUNOFF	1	460		6	2.60	53.0	3.20				1	175
1626	ADDHYD	4	461	2 6 7					1	1	1	1	176
1636	REACH	3	462	7	5	18300.	0.57					1	177
1646	ADDHYD	4	463	5 4 7					1		1	1	178
1656	REACH	3	464	7	5	7000.	0.70					1	179
1666	RUNOFF	1	465		6	16.50	54.0	2.6				1	180
1676	ADDHYD	4	466	5 6 4					1	1	1	1	181
1686	ADDHYD	4	467	3 4 7					1		1	1	182
1696	REACH	3	468	7	4	12000.0	0.75			1		1	183
6	RESVOR	2	02	4	5	50.0				1		1	02
6	RUNOFF	1	469		6	13.80	82.0	3.1	1	1	1	1	184
6	ADDHYD	4	470	5 6 7					1	1	1	1	185
6	REACH	3	471	7	5	22400.	0.75		1		1	1	186
6	RUNOFF	1	472		6	5.00	81.0	1.1	1		1	1	187
6	ADDHYD	4	473	5 6 7					1	1	1	1	190
	ENDATA		FROM	THRU									
7	INCREM	6	8 1415	19 20 21		0.20	time increment (hrs)						
7	COMPUT	7	003	011		0.0 start time	3.6	rainfall depth 1.0	Rain Table 1	2	03	01	
7	COMPUT	7	012	086		0.0	3.4	1.0	1	2	03	01	
7	COMPUT	7	089	155		0.0	3.2	1.0	1	2	03	01	
7	COMPUT	7	156	339		0.0	3.05	1.0	1	2	03	01	
7	COMPUT	7	340	422		0.0	2.90	1.0	1	2	03	01	
7	COMPUT	7	439	459		0.0	2.85	1.0	1	2	3	1	
7	COMPUT	7	460	473		0.0	2.80	1.0	1	2	03	01	
	ENDCMP	1											
7	COMPUT	7	003	011		0.0	2.70	1.0	1	2	03	02	
7	COMPUT	7	012	086		0.0	2.60	1.0	1	2	03	02	
7	COMPUT	7	089	155		0.0	2.45	1.0	1	2	03	02	
7	COMPUT	7	156	339		0.0	2.30	1.0	1	2	03	02	

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EXECUTIVE CONTROL CARD — OPERATION LIST — PASS= 1

LISTING OF DATA IN CORE

Includes 1" of storage on developed Buckhorn Mesa, Lower Quincy Creek Improved RWCD

RWCD Design
TR-20
2000 Land Use
with 1" of Storage

C , RWCD ALT. 3, ARIZONA

VELOCITY INCREMENT

1	CTABLE		0.2000			
8		0.0	0.0800	0.1800	0.2500	0.3200
8		0.3700	0.4100	0.4500	0.4900	0.5100
8		0.5400	0.5700	0.5900	0.6100	0.6300
8		0.6500	0.6600	0.6700	0.6900	0.7000
8		0.7100	0.7200	0.7300	0.7400	0.7500
8		0.7600	0.7700	0.7700	0.7800	0.7900
8		0.7900	0.8000	0.8100	0.8100	0.8200
8		0.8200	0.8300	0.8300	0.8400	0.8400
8		0.8400	0.8500	0.8500	0.8600	0.8600
8		0.8600	0.8600	0.8700	0.8700	0.8700
8		0.8800	0.8800	0.8800	0.8900	0.8900
8		0.8900	0.8900	0.8900	0.8900	0.9000
8		0.9000	0.9000	0.9000	0.9000	0.9100
8		0.9100	0.9100	0.9100	0.9100	0.9100
8		0.9200	0.9200	0.9200	0.9200	0.9200
8		0.9200	0.9200	0.9200	0.9300	0.9300
9	ENDTBL					

STRUCT NO.

3 STRUCT 1

	ELEVATION	DISCHARGE	STORAGE
8	100.0000	0.0	0.0

9 ENDTBL

STRUCT NO.

3 STRUCT 2

	ELEVATION	DISCHARGE	STORAGE
8	50.0000	0.0	0.0

9 ENDTBL

This gives future Conditions with RWCD improved Hydrograph ∴ What 100yr flow off Q.C. will be after cont of Dam

RM Bartels

TIME INCREMENT

4 DIMHYD

8	C.C	0.0300	0.1000	0.1900	0.3100
8	0.4700	0.6600	0.8200	0.9300	0.9900
8	1.0000	0.9900	0.9300	0.8600	0.7800
8	C.6800	0.5600	0.4600	0.3900	0.3300
8	C.2800	0.2410	0.2070	0.1740	0.1470
8	0.1260	0.1070	0.0910	0.0770	0.0660
8	C.C550	0.0470	0.0400	0.0340	0.0290
8	C.C250	0.0210	0.0180	0.0150	0.0130
8	C.0110	0.0090	0.0080	0.0070	0.0060
8	0.0050	0.0040	0.0030	0.0020	0.0010
8	C.C	0.0	0.0	0.0	0.0

9 ENDTBL

COMPUTED PEAK K FACTCR = 484.00

TIME INCREMENT

5 RAINFL 1 0.5000

8	0.0	0.0050	0.0110	0.0160	0.0220
8	C.C280	0.0350	0.0410	0.0480	0.0560
8	5.00 C.C630	0.0710	0.0800	0.0890	0.0980
8	7.50 C.1090	0.1200	0.1330	0.1470 .0160	0.1630 .0180
8	10.00 C.1810 .0230	0.2040 .0310	0.2350 .0480	0.2830 .0380	0.6630 .0720
8	0.7350 .0370	0.7720 .0270	0.7990	0.8200	0.8380
8	C.8540	0.8680	0.8800	0.8910	0.9020
8	0.9120	0.9210	0.9290	0.9370	0.9450
8	C.9520	0.9590	0.9650	0.9720	0.9780
8	C.9840	0.9890	0.9950	1.0000	1.0000

9 ENDTBL

NOTE, THIS RUN WAS XEQ NOV. 1974

STANDARD CONTROL INSTRUCTIONS

															X-Section No.'s Used in original ALT # 3, dated Sept /1974
6	RUNOFF	1	1			6	3.0000	72.0000	0.80000	0	0	0	0	1	3
6	REACH	3	2	6		5	7000.0000	0.7500	0.0	0	0	0	0	1	5
6	RUNOFF	1	3			6	2.5800	74.0000	1.00000	0	0	0	0	1	8
6	ADDHYD	4	4	5	6	7				0	1	0	0	1	10
6	REACH	3	5	7		5	2700.0000	0.7500	0.0	0	0	0	0	1	11
6	RUNOFF	1	6			6	1.5800	75.0000	1.00000	0	0	0	0	1	12
6	ADDHYD	4	7	5	6	7				0	0	0	0	1	13
6	REACH	3	7	7		1	5000.0000	0.7500	0.0	0	0	0	0	1	14
6	RUNOFF	1	8			7	1.4200	75.0000	0.75000	0	0	0	0	1	17
6	REACH	3	9	7		5	7000.0000	0.6000	0.0	0	0	0	0	1	19
6	RUNOFF	1	10			6	1.3200	73.0000	0.90000	0	0	0	0	1	20
6	ADDHYD	4	10	5	6	2				0	0	0	0	1	21
6	ADDHYD	4	11	1	2	7				0	1	0	0	1	22
6	REACH	3	12	7		1	3000.0000	0.7500	0.0	0	0	0	0	1	23
6	RUNOFF	1	13			7	1.3300	74.0000	0.70000	0	0	0	0	1	29
6	REACH	3	14	7		5	11500.0000	0.6100	0.0	0	0	0	0	1	32
6	RUNOFF	1	15			6	0.8500	73.0000	1.25000	0	0	0	0	1	33
6	ADDHYD	4	15	5	6	2				0	0	0	0	1	34
6	ADDHYD	4	16	1	2	7				0	0	0	0	1	35
6	REACH	3	17	7		1	3400.0000	0.7500	0.0	0	0	0	0	1	36
6	RUNOFF	1	18			7	0.6300	73.0000	0.60000	0	0	0	0	1	39
6	REACH	3	19	7		5	14000.0000	0.5800	0.0	0	0	0	0	1	41
6	RUNOFF	1	20			6	0.6300	73.0000	1.55000	0	0	0	0	1	42
6	ADDHYD	4	20	5	6	2				0	0	0	0	1	43
6	RUNOFF	1	21			7	1.1300	73.0000	0.45000	0	0	0	0	1	48
6	REACH	3	22	7		5	16000.0000	0.6200	0.0	0	0	0	0	1	50
6	RUNOFF	1	23			6	0.8100	73.0000	1.90000	0	0	0	0	1	51
6	ADDHYD	4	23	5	6	3	75.78 mi			0	0	0	0	1	52
6	ADDHYD	4	24	2	3	6				0	1	0	0	1	53
6	ADDHYD	4	25	1	6	3				0	1	0	0	1	54
6	RUNOFF	1	26			7	1.2000	75.0000	0.75000	0	0	0	0	1	57
6	RUNOFF	1	27			6	1.2700	75.0000	0.65000	0	0	0	0	1	64
6	ADDHYD	4	27	7	6	4				0	0	0	0	1	66
6	REACH	3	28	4		5	12000.0000	0.5600	0.0	0	0	0	0	1	67
6	RUNOFF	1	29			6	1.5600	73.0000	1.60000	0	0	0	0	1	68
6	ADDHYD	4	29	5	6	1				0	0	0	0	1	69
6	RUNOFF	1	30			7	1.4800	75.0000	0.60000	0	0	0	0	1	75
6	REACH	3	31	7		5	7500.0000	0.5600	0.0	0	0	0	0	1	77
6	ADDHYD	4	31	5	1	7				0	0	0	0	1	78
6	REACH	3	32	7		5	16000.0000	0.6300	0.0	0	0	0	0	1	79
6	RUNOFF	1	33			6	3.1200 (23.91)	73.0000	2.10000	0	0	0	0	1	80
6	ADDHYD	4	33	5	6	2				0	0	0	0	1	81
6	ADDHYD	4	34	2	3	7				0	1	0	0	1	82
6	REACH	3	35	7		5	5800.0000	0.7500	0.0	0	0	0	0	1	83
6	RUNOFF	1	36			6	0.9600	72.0000	1.10000	0	0	0	0	1	84
6	ADDHYD	4	37	5	6	2				0	0	0	0	1	86

Note: Check marks indicate that these Standard Controls are the same as used in Alt # 3 dated Sept 4 1974 except for X Section number change & change in CN for VS-67. Also note that Executive Control Cards are also the same. The minor diff in peaks is due to update in TR-20 program

ALT # 3 (REV)

					23	25	37	49	61					70				
6	RUNOFF	1	38		1	0.6700	75.0000	0.70000	0	0	0	0	1					89
6	RUNOFF	1	39		7	1.5700	74.0000	0.90000	0	0	0	0	1					92
6	REACH	3	40	7	5	21000.0000	0.5400	0.0	0	0	0	0	1					94
6	RUNOFF	1	41		6	1.2800	74.0000	2.85000	0	0	0	0	1					95
6	ADDHYD	4	41	5 6 3					0	0	0	0	1					96
6	RUNOFF	1	42		7	1.0600	75.0000	0.90000	0	0	0	0	1					99
6	REACH	3	43	7	5	20000.0000	0.5500	0.0	0	0	0	0	1					101
6	RUNOFF	1	44		6	1.6300	74.0000	2.60000	0	0	0	0	1					107
6	ADDHYD	4	44	5 6 4					0	0	0	0	1					108
6	ADDHYD	4	45	3 4 7					0	0	0	0	1					109
6	REACH	3	46	7	5	4700.0000	0.5100	0.0	0	0	0	0	1					110
6	RUNOFF	1	47		6	1.6300	71.0000	2.40000	0	0	0	0	1					113
6	ADDHYD	4	47	5 6 7					0	0	0	0	1					114
6	REACH	3	48	7	5	8000.0000	0.4700	0.0	0	0	0	0	1					115
6	RUNOFF	1	49		6	1.0400	52.0000	2.00000	0	0	0	0	1					116
6	ADDHYD	4	50	5 6 3					0	1	0	0	0	1				117
6	ADDHYD	4	51	2 3 7					0	1	0	0	0	1				118
6	REACH	3	52	7	2	4000.0000	0.7500	0.0	0	0	0	0	1					119
6	RUNOFF	1	53		7	2.6900	67.0000	3.20000	0	0	0	0	1					120
6	REACH	3	54	7	5	8500.0000	0.4700	0.0	0	0	0	0	1					121
6	RUNOFF	1	55		6	0.9700	51.0000	1.80000	0	0	0	0	1					122
6	ADDHYD	4	55	5 6 3					0	0	0	0	1					123
6	ADDHYD	4	56	2 3 7					0	0	0	0	1					124
6	REACH	3	57	7	2	5000.0000	0.7500	0.0	0	0	0	0	1					125
6	RUNOFF	1	58		7	1.0500	75.0000	0.70000	0	0	0	0	1					128
6	REACH	3	59	7	3	7400.0000	0.5400	0.0	0	0	0	0	1					132
6	RUNOFF	1	60		7	1.7100	76.0000	0.60000	0	0	0	0	1					133
6	REACH	3	61	7	5	5000.0000	0.5400	0.0	0	0	0	0	1					135
6	ADDHYD	4	61	5 3 7					0	0	0	0	1					136
6	REACH	3	62	7	5	8000.0000	0.5400	0.0	0	0	0	0	1					137
6	RUNOFF	1	63		6	3.6000	76.0000	2.30000	0	0	0	0	1					138
6	ADDHYD	4	63	5 6 4					0	0	0	0	1					139
6	REACH	3	64	1	5	8500.0000	0.5400	0.0	0	0	0	0	1					140
6	ADDHYD	4	65	5 4 7					0	0	0	0	1					141
6	REACH	3	66	7	5	31000.0000	0.5000	0.0	0	0	0	0	1					142
6	RUNOFF	1	67		6	6.4700	72.0000	6.10000	0	0	0	0	1					143
6	ADDHYD	4	67	5 6 4					0	0	0	0	1					144
6	ADDHYD	4	68	2 4 7					0	1	0	0	0	1				145
6	REACH	3	69	7	2	7400.0000	0.7500	0.0	0	0	0	0	1					146
6	RUNOFF	1	70		1	0.9500	75.0000	2.30000	0	0	0	0	1					147
6	RUNOFF	1	71		6	2.5500	75.0000	3.25000	0	0	0	0	1					150
6	REACH	3	72	6	5	21000.0000	0.4700	0.0	0	0	0	0	1					151
6	RUNOFF	1	73		6	1.3200	75.0000	3.80000	0	0	0	0	1					152
6	ADDHYD	4	73	5 6 4					0	0	0	0	1					153
6	ADDHYD	4	74	1 4 6					0	0	0	0	1					154
6	ADDHYD	4	75	2 6 4					0	0	0	0	1					155
6	RUNOFF	1	76		6	0.5000	75.0000	2.00000	0	0	0	0	1					156
6	ADDHYD	4	77	4 6 7					0	1	0	0	0	1				157
6	REACH	3	78	7	1	4200.0000	0.7500	0.0	0	0	0	0	1					158
6	RUNOFF	1	79		5	2.3100	75.0000	3.95000	0	0	0	0	1					159

Original Cd 3 instead of 73.0 used 73.0 is right 72.0 is wrong

R. M. Dartch

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					23	25	37	49							70		
6	RUNOFF	1	80		6	1.1100	75.0000	2.2000	0	0	0	0	1				160
6	ADDHYD	4	80	5 6 7					0	0	0	0	0	1			161
6	REACH	3	81	7	5	10000.0000	0.4700	0.0	0	0	0	0	0	1			162
6	RUNOFF	1	82		6	1.0600	75.0000	2.00000	0	0	0	0	0	1			163
6	ADDHYD	4	82	5 6 4					0	0	0	0	0	1			164
6	RUNOFF	1	83		6	2.5400	75.0000	3.50000	0	0	0	0	0	1			165
6	ADDHYD	4	84	4 6 7					0	0	0	0	0	1			166
6	REACH	3	85	7	5	11000.0000	0.4700	0.0	0	0	0	0	0	1			167
6	RUNOFF	1	86		6	0.5700	75.0000	2.00000	0	0	0	0	0	1			168
6	ADDHYD	4	86	5 6 2					0	0	0	0	0	1			169
6	RUNOFF	1	87		5	1.2800	75.0000	2.00000	0	0	0	0	0	1			170
6	RUNOFF	1	88		6	2.1200	75.0000	3.60000	0	0	0	0	0	1			171
6	ADDHYD	4	88	5 6 7					0	0	0	0	0	1			172
6	REACH	3	89	7	5	10000.0000	0.4700	0.0	0	0	0	0	0	1			173
6	RUNOFF	1	90		6	1.6600	75.0000	1.80000	0	0	0	0	0	1			174
6	ADDHYD	4	90	5 6 3					0	0	0	0	0	1			175
6	ADDHYD	4	91	2 3 7					0	0	0	0	0	1			176
6	REACH	3	92	7	5	7500.0000	0.4700	0.0	0	0	0	0	0	1			177
6	RUNOFF	1	93		6	0.6400	75.0000	1.50000	0	0	0	0	0	1			178
6	ADDHYD	4	93	5 6 2					0	0	0	0	0	1			179
6	RUNOFF	1	94		6	1.7100	75.0000	3.30000	0	0	0	0	0	1			180
6	ADDHYD	4	95	2 6 7					0	0	0	0	0	1			181
6	REACH	3	96	7	5	5000.0000	0.4700	0.0	0	0	0	0	0	1			182
6	RUNOFF	1	97		6	0.5200	75.0000	0.90000	0	0	0	0	0	1			183
6	ADDHYD	4	98	5 6 4					0	1	0	0	0	1			184
6	ADDHYD	4	100	1 4 6					0	1	0	0	0	1			186
6	RESVOR	2		1 6	2	100.0000			0	1	0	0	0	1			11
6	RUNOFF	1	101		7	1.0000	75.0000	2.20000	0	0	0	0	0	1			303
6	REACH	3	102	7	3	16000.0000	0.6100	0.0	0	0	0	0	0	1			305
6	RUNOFF	1	103		5	2.9700	68.0000	3.80000	0	0	0	0	0	1			306
6	RUNOFF	1	104		6	9.4800	74.0000	5.40000	0	0	0	0	0	1			307
6	ADDHYD	4	104	5 6 7					0	0	0	0	0	1			308
6	REACH	3	105	7	5	2700.0000	0.4700	0.0	0	0	0	0	0	1			309
6	RUNOFF	1	106		6	0.9900	75.0000	2.50000	0	0	0	0	0	1			310
6	ADDHYD	4	107	5 6 7					0	0	0	0	0	1			311
6	REACH	3	108	7	5	3000.0000	0.4700	0.0	0	0	0	0	0	1			312
6	RUNOFF	1	109		6	3.7000	75.0000	4.40000	0	0	0	0	0	1			313
6	ADDHYD	4	109	5 6 7					0	0	0	0	0	1			314
6	REACH	3	110	7	5	16000.0000	0.4700	0.0	0	0	0	0	0	1			315
6	RUNOFF	1	111		6	2.9000	68.0000	3.00000	0	0	0	0	0	1			316
6	ADDHYD	4	112	5 6 4					0	0	0	0	0	1			317
6	RUNOFF	1	113		6	1.2500	75.0000	3.20000	0	0	0	0	0	1			318
6	RUNOFF	1	114		5	2.0500	75.0000	5.00000	0	0	0	0	0	1			319
6	ADDHYD	4	114	5 6 7					0	0	0	0	0	1			320
6	REACH	3	115	7	5	2700.0000	0.4700	0.0	0	0	0	0	0	1			321
6	RUNOFF	1	116		6	3.2000	75.0000	5.40000	0	0	0	0	0	1			322
6	ADDHYD	4	116	5 6 7					0	0	0	0	0	1			323
6	REACH	3	117	7	5	2500.0000	0.4700	0.0	0	0	0	0	0	1			324
6	ADDHYD	4	118	5 4 7					0	0	0	0	0	1			325
6	RUNOFF	1	120		6	0.5800	75.0000	1.30000	0	0	0	0	0	1			327

Total 64.0 Acres pour line

Total 4.0

6	ADDHYD	4	120	7 6 4				0	0	0	0	0	1		328
6	REACH	3	121	4 5	4650.0000	0.4700	0.0	0	0	0	0	0	1		329
6	RUNOFF	1	122	6	0.4100	75.0000	0.90000	0	0	0	0	0	1		330
6	ADDHYD	4	123	5 6 7				0	0	0	0	0	1		331
6	REACH	3	124	7 5	2400.0000	0.4700	0.0	0	0	0	0	0	1		332
6	RUNOFF	1	125	6	0.5400	75.0000	0.47000	0	0	0	0	0	1		333
6	ADDHYD	4	125	5 6 7				0	0	0	0	0	1		334
6	REACH	3	126	7 5	1800.0000	0.4700	0.0	0	1	0	0	0	1		335
6	ADDHYD	4	127	5 3 7				0	0	0	0	0	1		336
6	REACH	3	128	7 5	9000.0000	0.8100	0.0	0	1	0	0	0	1		337
6	ADDHYD	4	129	5 2 7				0	1	0	0	0	1		338
6	REACH	3	130	7 3	11000.0000	0.7500	0.0	0	0	0	0	0	1		339
6	RUNOFF	1	131	6	1.5600	68.0000	2.80000	0	0	0	0	0	1		340
6	REACH	3	132	6 5	28400.0000	0.4700	0.0	0	0	0	0	0	1		341
6	RUNOFF	1	133	6	6.1100	50.0000	5.60000	0	0	0	0	0	1		342
6	ADDHYD	4	134	5 6 7				0	0	0	0	0	1		343
6	REACH	3	135	7 5	17000.0000	0.4700	0.0	0	0	0	0	0	1		344
6	RUNOFF	1	136	6	3.6000	53.0000	3.20000	0	0	0	0	0	1		345
6	ADDHYD	4	136	5 6 4				0	0	0	0	0	1		346
6	RUNOFF	1	137	6	4.6800	53.0000	5.60000	0	0	0	0	0	1		347
6	REACH	3	138	6 5	12700.0000	0.4700	0.0	0	0	0	0	0	1		348
6	RUNOFF	1	139	6	0.7200	55.0000	2.40000	0	0	0	0	0	1		349
6	ADDHYD	4	139	5 6 7				0	0	0	0	0	1		350
6	ADDHYD	4	140	4 7 6				0	0	0	0	0	1		351
6	REACH	3	141	6 5	2000.0000	0.4700	0.0	0	0	0	0	0	1		352
6	RUNOFF	1	142	6	5.2500	75.0000	3.30000	0	0	0	0	0	1		353 Williams Field A/F Base Subarea
6	ADDHYD	4	143	5 6 7				0	0	0	0	0	1		354
6	REACH	3	144	7 5	1800.0000	0.4700	0.0	0	1	0	0	0	1		355
6	ADDHYD	4	145	5 3 7				0	1	0	0	0	1		356
6	REACH	3	146	7 3	7000.0000	0.7500	0.0	0	0	0	0	0	1		357
6	RUNOFF	1	147	6	3.0700	50.0000	5.00000	0	0	0	0	0	1		358
6	RUNOFF	1	148	5	0.6900	50.0000	1.80000	0	0	0	0	0	1		359
6	ADDHYD	4	148	5 6 7				0	0	0	0	0	1		360
6	REACH	3	149	7 5	29350.0000	0.4700	0.0	0	0	0	0	0	1		361
6	RUNOFF	1	150	6	5.9300	51.0000	5.60000	0	0	0	0	0	1		362
6	ADDHYD	4	151	5 6 7				0	1	0	0	0	1		363
6	ADDHYD	4	152	7 3 6				0	0	0	0	0	1		364
6	REACH	3	153	6 5	20000.0000	0.7500	0.0	0	0	0	0	0	1		365
6	RUNOFF	1	154	6	1.0300	68.0000	1.70000	0	0	0	0	0	1		366
6	ADDHYD	4	155	5 6 3				0	1	0	0	0	1		367
6	RUNOFF	1	156	6	15.9000	54.0000	3.80000	0	0	0	0	0	1		417
6	REACH	3	157	6 5	46000.0000	0.7000	0.0	0	0	0	0	0	1		419
6	RUNOFF	1	158	6	4.7000	53.0000	3.20000	0	0	0	0	0	1		420
6	ADDHYD	4	158	5 6 4				0	0	0	0	0	1		422
6	RUNOFF	1	159	6	7.9000	58.0000	4.30000	0	0	0	0	0	1		439
6	RUNOFF	1	160	5	9.0000	73.0000	2.70000	0	0	0	0	0	1		441
6	ADDHYD	4	161	5 6 7				0	0	0	0	0	1		442
6	REACH	3	162	7 5	8800.0000	0.4700	0.0	0	0	0	0	0	1		443
6	RUNOFF	1	163	6	16.6000	65.0000	3.80000	0	0	0	0	0	1		446
6	ADDHYD	4	164	5 6 7				0	0	0	0	0	1		448

REACH - 4

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6 REACH   3 165   7   5   5200.0000    0.4700    0.0     0 0 0 0 0 1   449
6 RUNOFF  1 166       6      6.0000   67.0000    2.50000 0 0 0 0 1   450
6 ADDHYD  4 167   5 6 7                          0 1 0 0 0 1   451
6 REACH   3 168   7   5  21000.0000    0.4700    0.0     0 0 0 0 0 1   452
6 RUNOFF  1 169       6      3.9000   50.0000    4.00000 0 0 0 0 1   453
6 ADDHYD  4 169   5 6 2                          0 0 0 0 0 1   454
6 RUNOFF  1 170       6     13.9000   73.0000    2.00000 0 0 0 0 1   455
6 ADDHYD  4 171   2 6 7                          0 0 0 0 0 1   456
6 REACH   3 172   7   5  16000.0000    0.4700    0.0     0 0 0 0 0 1   457
6 RUNOFF  1 173       6      8.3000   79.0000    1.40000 0 0 0 0 1   458
6 ADDHYD  4 174   5 6 2                          0 0 0 0 0 1   459
6 RUNOFF  1 175       6      2.6000   53.0000    3.20000 0 0 0 0 1   460
6 ADDHYD  4 176   2 6 7                          0 1 0 0 0 1   461
6 REACH   3 177   7   5  18300.0000    0.5700    0.0     0 0 0 0 0 1   462
6 ADDHYD  4 178   5 4 7                          0 0 0 0 0 1   463
6 REACH   3 179   7   5   7000.0000    0.7000    0.0     0 0 0 0 0 1   464
6 RUNOFF  1 180       6     16.5000   54.0000    2.60000 0 0 0 0 1   465
6 ADDHYD  4 181   5 6 4                          0 1 0 0 0 1   466
6 ADDHYD  4 182  73 4 76                         0 1 0 0 0 1   467
6 REACH   3 183  67   4  12000.0000    0.7500    0.0     0 0 0 0 0 1   468
6 RESVOR  2      2 4   5     50.0000              0 1 0 0 0 1   [21]
6 RUNOFF  1 184       6     13.8000   82.0000    3.10000 1 0 0 0 1   469
6 ADDHYD  4 185   5 6 7                          0 1 0 0 0 1   470
6 REACH   3 186   7   5  22400.0000    0.7500    0.0     0 0 0 0 0 1   471
6 RUNOFF  1 187       6      5.0000   81.0000    1.10000 0 0 0 0 1   472
6 ADDHYD  4 190   5 6 7                          0 1 0 0 0 1   473
  ENDATA

END OF LISTING
```

STORM 1

```
                                                                                                PASS=  1
EXECUTIVE CONTROL CARD          OPERATION  INCREM,     MAIN TIME INCREMENT=  0.20
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT   1/  0     TO XSECTN/STRUCT   5/  0
      STARTING TIME=  0.0      RAIN DEPTH=  3.60    RAIN DURATION=  1.00    RAIN TABLE NO.= 1     SOIL CONDITION= 2
      ALTERNATE NO.= 3         STORM NO.= 1

SUBROUTINE RUNOFF   CROSS SECTION   1
      AREA=   3.00     INPUT RUNOFF CURVE=  72.0     TIME OF CONCENTRATION=  0.80

      PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
         12.39                       1157.521                    (RUNOFF)
         21.75                         60.422                    (RUNOFF)
         23.73                         51.912                    (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1851       CFS-HRS=     2294.39       ACRE-FT=    189.61

SUBROUTINE REACH    CROSS SECTION   2
      LENGTH=  7000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

      AVERAGE WATER VELOCITY=  5.100     AVERAGE ROUTING COEFF= 0.7500     NUMBER OF ROUTINGS=  1.43

      PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
         12.77                       1052.464                    (NULL)
         22.06                         59.898                    (NULL)
         24.05                         51.463                    (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1848       CFS-HRS=     2293.95       ACRE-FT=    189.57

SUBROUTINE RUNOFF   CROSS SECTION   3
      AREA=   2.58     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  1.00

      PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
         12.49                        986.237                    (RUNOFF)
         21.79                         54.409                    (RUNOFF)
         23.79                         46.807                    (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.3044       CFS-HRS=     2171.94       ACRE-FT=    179.49

SUBROUTINE ADDHYD   CROSS SECTION   4
      INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

      PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
         12.66                       1963.073                    (NULL)
         21.94                        113.884                    (NULL)
         23.91                         98.108                    (NULL)
```

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 5.58

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.03	0.32	1.44	4.45	10.47	21.55	56.48	183.02
12.00	DISCHG	522.75	1091.37	1662.98	1944.28	1866.30	1568.54	1248.83	986.29	786.87	644.20
14.00	DISCHG	541.57	466.73	410.95	369.05	336.83	311.60	291.78	275.96	262.03	249.16
16.00	DISCHG	236.75	224.75	213.58	203.89	196.15	190.60	186.74	183.53	179.94	175.52
18.00	DISCHG	170.32	164.74	158.84	152.83	147.32	142.87	139.91	138.19	137.11	135.94
20.00	DISCHG	133.87	130.77	127.37	124.48	121.93	119.04	115.79	113.35	112.79	113.53
22.00	DISCHG	113.81	112.55	110.27	108.00	105.85	103.05	99.81	97.36	96.81	97.59
24.00	DISCHG	97.77	94.59	85.67	70.02	50.73	32.61	19.58	11.56	6.71	3.86
26.00	DISCHG	2.21	1.24	0.67	0.34	0.15	0.05	0.01	0.00		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2401 CFS-HRS= 4465.90 ACRE-FT= 369.06

SUBROUTINE REACH CROSS SECTION 5
LENGTH= 2700.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.55

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.81	1887.910	(NULL)
22.02	113.596	(NULL)
23.96	97.654	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2402 CFS-HRS= 4466.21 ACRE-FT= 369.09

27.42
10.
17.2

PASS= 1

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 6/ 0 TO XSECTN/STRUCT 37/ 0
STARTING TIME= 0.0 RAIN DEPTH= 3.40 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 1

SUBROUTINE RUNOFF CROSS SECTION 6
AREA= 1.58 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 1.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.49	567.495	(RUNOFF)
21.79	31.398	(RUNOFF)
23.79	27.013	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2268 CFS-HRS= 1250.98 ACRE-FT= 103.38

SUBROUTINE ADDHYD CROSS SECTION 7
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.75	2367.538	(NULL)
21.93	144.787	(NULL)
23.91	124.653	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2373 CFS-HRS= 5717.19 ACRE-FT= 472.47

SUBROUTINE REACH CROSS SECTION 7
LENGTH= 5000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.02

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.02	2288.648	(NULL)
22.10	144.802	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2373 CFS-HRS= 5717.39 ACRE-FT= 472.49

SUBROUTINE RUNOFF CROSS SECTION 8
AREA= 1.42 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.75

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.33	600.069	(RUNOFF)
21.71	28.463	(RUNOFF)
23.72	24.531	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2304 CFS-HRS= 1127.56 ACRE-FT= 93.18

SUBROUTINE REACH CROSS SECTION 9
LENGTH= 7000.00 INPUT COEFFICIENT= 0.6000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.550 AVERAGE ROUTING COEFF= 0.6000 NUMBER OF ROUTINGS= 2.29

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.07	471.365	(NULL)
22.23	28.116	(NULL)
24.21	24.132	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2298 CFS-HRS= 1126.98 ACRE-FT= 93.13

SUBROUTINE RUNOFF CROSS SECTION 10
AREA= 1.32 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 0.90

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.45	445.597	(RUNOFF)
21.77	24.875	(RUNOFF)
23.75	21.431	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1114 CFS-HRS= 946.80 ACRE-FT= 78.24

SUBROUTINE ADDHYD CROSS SECTION 10
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.86	748.473	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1727 CFS-HRS= 2073.77 ACRE-FT= 171.38

SUBROUTINE ADDHYD CROSS SECTION 11
INPUT HYDROGRAPHS= 1,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.00	3015.495	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 9.90

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.02	0.23	1.48	5.67	15.35	41.34	131.37
12.00	DISCHG	373.89	855.70	1546.09	2294.54	2848.04	3023.24	2830.50	2429.08	1992.60	1609.00
14.00	DISCHG	1305.64	1078.24	910.94	787.22	695.06	625.82	572.75	531.01	497.82	470.16
16.00	DISCHG	445.71	423.21	402.10	382.47	364.93	350.21	338.59	329.62	322.37	315.57

28.0
10.4
17.6

18.00	DISCHG	308.25	299.98	290.78	281.00	271.10	261.74	253.63	247.34	242.96	239.19
20.00	DISCHG	236.92	233.57	229.33	224.37	219.22	214.10	209.13	204.44	200.61	198.21
22.00	DISCHG	197.25	196.77	195.52	193.00	189.50	185.41	180.96	176.49	172.75	170.37
24.00	DISCHG	169.30	167.80	162.14	149.52	129.08	102.68	74.77	50.15	31.72	19.34
26.00	DISCHG	11.50	6.71	3.85	2.16	1.17	0.61	0.29	0.12	0.03	0.01
28.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2194 CFS-HRS= 7791.18 ACRE-FT= 643.86

SUBROUTINE REACH CROSS SECTION 12
LENGTH= 3000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.61

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.16	2940.911	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2194 CFS-HRS= 7790.94 ACRE-FT= 643.84

SUBROUTINE RUNOFF CROSS SECTION 13
AREA= 1.33 INPUT RUNOFF CURVE= 74.0 TIME OF CONCENTRATION= 0.70

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.29	563.764	(RUNOFF)
21.68	26.051	(RUNOFF)
23.69	22.402	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1696 CFS-HRS= 1003.89 ACRE-FT= 82.96

SUBROUTINE REACH CROSS SECTION 14
LENGTH= 11500.00 INPUT COEFFICIENT= 0.6100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.659 AVERAGE ROUTING COEFF= 0.6100 NUMBER OF ROUTINGS= 3.66

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.49	387.183	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1691 CFS-HRS= 1003.50 ACRE-FT= 82.93

SUBROUTINE RUNOFF CROSS SECTION 15
AREA= 0.85 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 1.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.68	231.169	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1100 CFS-HRS= 608.92 ACRE-FT= 50.32

```
SUBROUTINE ADDHYD    CROSS SECTION  15
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.39                       521.431                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1461        CFS-HRS=     1612.41        ACRE-FT=     133.25

SUBROUTINE ADDHYD    CROSS SECTION  16
           INPUT HYDROGRAPHS= 1,2     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.19                      3437.078                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.2062        CFS-HRS=     9403.36        ACRE-FT=     777.09

SUBROUTINE REACH     CROSS SECTION  17
           LENGTH=   3400.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  0.69

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.37                      3354.275                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.2062        CFS-HRS=     9403.44        ACRE-FT=     777.10

SUBROUTINE RUNOFF    CROSS SECTION  18
           AREA=    0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.60

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              12.24                       273.167                     (RUNOFF)
              19.31                        14.089                     (RUNOFF)
              21.64                        12.104                     (RUNOFF)
              23.64                        10.414                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1110        CFS-HRS=      451.72        ACRE-FT=      37.33

SUBROUTINE REACH     CROSS SECTION  19
           LENGTH=  14000.00     INPUT COEFFICIENT=  0.5800     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.348       AVERAGE ROUTING COEFF= 0.5800       NUMBER OF ROUTINGS=  4.80

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.89                       158.892                      (NULL)
```

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TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1104        CFS-HRS=      451.48        ACRE-FT=      37.31

SUBROUTINE RUNOFF    CROSS SECTION  20
           AREA=   0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  1.55

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.92                     146.606                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1108        CFS-HRS=      451.64        ACRE-FT=      37.32

SUBROUTINE ADDHYD    CROSS SECTION  20
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.70                     246.300                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1106        CFS-HRS=      903.12        ACRE-FT=      74.63

SUBROUTINE RUNOFF    CROSS SECTION  21
           AREA=   1.13     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.45

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.16                     563.181                      (RUNOFF)
              19.35                      25.265                      (RUNOFF)
              21.57                      22.009                      (RUNOFF)
              23.57                      19.041                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1142        CFS-HRS=      812.52        ACRE-FT=      67.15

SUBROUTINE REACH     CROSS SECTION  22
           LENGTH=  16000.00     INPUT COEFFICIENT=  0.6200     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.774      AVERAGE ROUTING COEFF= 0.6200      NUMBER OF ROUTINGS=  4.97

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.71                     314.425                      (NULL)
              22.72                      21.169                      (NULL)
              24.71                      18.214                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1111        CFS-HRS=      810.27        ACRE-FT=      66.96

SUBROUTINE RUNOFF    CROSS SECTION  23
           AREA=   0.81     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  1.90

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
```

13.13 161.614 (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1113 CFS-HRS= 580.93 ACRE-FT= 48.01

SUBROUTINE ADDHYD CROSS SECTION 23
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.64	456.236	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1112 CFS-HRS= 1391.20 ACRE-FT= 114.97

SUBROUTINE ADDHYD CROSS SECTION 24
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.65	702.739	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 3.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.02	0.14	0.54	1.29	9.09	28.66
12.00	DISCHG	65.72	125.34	193.73	259.83	329.97	429.27	549.11	653.66	698.89	685.03
14.00	DISCHG	627.02	550.47	469.92	397.17	336.50	287.33	249.50	220.06	197.38	179.84
16.00	DISCHG	165.74	154.40	144.86	136.53	129.31	122.72	117.02	111.92	107.36	103.43
18.00	DISCHG	100.06	97.15	94.53	91.97	89.40	86.82	84.25	81.77	79.38	77.20
20.00	DISCHG	75.28	73.66	72.30	71.15	69.99	68.67	67.22	65.83	64.62	63.51
22.00	DISCHG	62.35	61.15	60.19	59.57	59.07	58.39	57.52	56.55	55.68	54.77
24.00	DISCHG	53.61	52.14	50.42	48.26	45.88	42.89	39.29	34.48	28.66	22.40
26.00	DISCHG	16.65	11.88	8.15	5.50	3.64	2.39	1.59	1.05	0.71	0.49
28.00	DISCHG	0.33	0.23	0.16	0.11	0.07	0.05	0.04	0.02	0.02	0.01
30.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1109 CFS-HRS= 2294.30 ACRE-FT= 189.60

SUBROUTINE ADDHYD CROSS SECTION 25
INPUT HYDROGRAPHS= 1,6 OUTPUT HYDROGRAPH= 3

30 10.6 17 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.42	4005.644	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.28

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.05	0.40	1.84	6.03	23.53	72.73
12.00	DISCHG	197.63	472.86	949.18	1621.68	2418.39	3207.51	3787.30	4005.13	3845.99	3440.12
14.00	DISCHG	2938.34	2452.56	2033.63	1697.44	1437.53	1239.03	1089.29	975.34	887.81	819.46
16.00	DISCHG	764.42	718.75	679.14	643.55	611.25	581.90	556.22	534.35	516.19	501.22
18.00	DISCHG	488.39	476.46	464.37	451.50	437.83	423.75	409.87	396.96	385.65	376.42
20.00	DISCHG	369.13	363.14	357.63	351.92	345.54	338.40	330.84	323.41	316.55	310.47
22.00	DISCHG	305.36	301.50	298.89	296.82	294.16	290.20	285.07	279.24	273.36	267.80
24.00	DISCHG	262.85	258.57	253.99	246.45	233.24	212.30	183.80	149.59	114.01	81.65
26.00	DISCHG	55.65	36.52	23.25	14.52	8.92	5.40	3.25	1.94	1.16	0.69
28.00	DISCHG	0.41	0.23	0.16	0.11	0.07	0.05	0.04	0.02	0.02	0.01
30.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1862 CFS-HRS= 11697.76 ACRE-FT= 966.70

SUBROUTINE RUNOFF CROSS SECTION 26
AREA= 1.20 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.75

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.33	507.100	(RUNOFF)
21.71	24.053	(RUNOFF)
23.72	20.730	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2304 CFS-HRS= 952.87 ACRE-FT= 78.74

SUBROUTINE RUNOFF CROSS SECTION 27
AREA= 1.27 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.65

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.27	593.044	(RUNOFF)
21.66	25.642	(RUNOFF)
23.66	22.077	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2279 CFS-HRS= 1006.39 ACRE-FT= 83.17

SUBROUTINE ADDHYD CROSS SECTION 27
INPUT HYDROGRAPHS= 7,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.29	1102.438	(NULL)
21.68	49.683	(NULL)
23.68	42.746	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2291 CFS-HRS= 1959.24 ACRE-FT= 161.91

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TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.22          CFS-HRS=     1173.61        ACRE-FT=      96.99

SUBROUTINE ADDHYD    CROSS SECTION  31
           INPUT HYDROGRAPHS= 5,1     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.50                       1301.720                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1953        CFS-HRS=     4250.58        ACRE-FT=     351.27

SUBROUTINE REACH     CROSS SECTION  32
           LENGTH=  16000.00     INPUT COEFFICIENT=  0.6300     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.895      AVERAGE ROUTING COEFF= 0.6300      NUMBER OF ROUTINGS=  4.84

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              15.06                       1148.613                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1953        CFS-HRS=     4250.57        ACRE-FT=     351.27

SUBROUTINE RUNOFF    CROSS SECTION  33
           AREA=   3.12     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.10

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.35                       582.602                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1114        CFS-HRS=     2237.79        ACRE-FT=     184.93

SUBROUTINE ADDHYD    CROSS SECTION  33
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              14.96                       1418.608                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1650        CFS-HRS=     6488.39        ACRE-FT=     536.20

SUBROUTINE ADDHYD    CROSS SECTION  34
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.45                       4712.149                      (NULL)

  TIME                                HYDROGRAPH, TZERO=   0.0        DELTA T= 0.20        DRAINAGE AREA=  23.91
  0.0     DISCHG        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
  2.00    DISCHG        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
```

4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.01	0.07	0.69	2.75	8.88	38.38	114.66
12.00	DISCHG	294.52	643.38	1224.24	2010.40	2899.44	3778.34	4417.18	4700.04	4612.00	4298.89
14.00	DISCHG	3911.35	3558.35	3265.87	3038.33	2840.97	2656.49	2470.25	2280.34	2089.82	1904.38
16.00	DISCHG	1731.11	1572.56	1432.62	1309.49	1204.03	1114.06	1039.07	977.16	926.18	884.22
18.00	DISCHG	848.44	816.83	787.44	759.28	732.20	706.41	682.42	660.58	641.44	624.92
20.00	DISCHG	610.92	598.38	586.54	574.68	562.38	549.68	536.97	524.87	513.69	503.90
22.00	DISCHG	495.28	488.12	482.22	476.84	470.83	463.59	455.28	446.47	437.97	429.96
24.00	DISCHG	422.69	415.71	407.77	395.76	377.32	349.95	314.71	273.54	230.93	191.71
26.00	DISCHG	158.45	131.55	109.75	91.56	75.95	62.00	49.86	39.14	30.11	22.62
28.00	DISCHG	16.63	11.97	8.49	5.93	4.06	2.77	1.86	1.24	0.82	0.53
30.00	DISCHG	0.33	0.20	0.12	0.06	0.03	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1786 CFS-HRS= 18186.18 ACRE-FT= 1502.91

SUBROUTINE REACH CROSS SECTION 35
LENGTH= 5800.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.18

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.77	4598.474	(NULL)

31.2

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1785 CFS-HRS= 18184.55 ACRE-FT= 1502.77

SUBROUTINE RUNOFF CROSS SECTION 36
AREA= 0.96 INPUT RUNOFF CURVE= 72.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.61	266.612	(RUNOFF)
21.79	17.510	(RUNOFF)
23.77	15.062	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0548 CFS-HRS= 653.53 ACRE-FT= 54.01

SUBROUTINE ADDHYD CROSS SECTION 37
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.76	4696.805	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1737 CFS-HRS= 18838.07 ACRE-FT= 1556.78

```
PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.28                       391.310                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0357      CFS-HRS=     1905.02      ACRE-FT=     157.43


SUBROUTINE RUNOFF     CROSS SECTION  42
AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  12.45                       355.463                     (RUNOFF)
  21.77                        19.259                     (RUNOFF)
  23.75                        16.581                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0925      CFS-HRS=      747.35      ACRE-FT=      61.76


SUBROUTINE REACH      CROSS SECTION  43
LENGTH=  20000.00     INPUT COEFFICIENT=  0.5500     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.078      AVERAGE ROUTING COEFF= 0.5500      NUMBER OF ROUTINGS=  7.35

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.14                       208.455                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0923      CFS-HRS=      747.27      ACRE-FT=      61.75


SUBROUTINE RUNOFF     CROSS SECTION  44
AREA=   1.63     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  2.60

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  13.73                       242.598                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0366      CFS-HRS=     1090.42      ACRE-FT=      90.11


SUBROUTINE ADDHYD     CROSS SECTION  44
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  14.88                       360.883                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0585      CFS-HRS=     1837.67      ACRE-FT=     151.86


SUBROUTINE ADDHYD     CROSS SECTION  45
INPUT HYDROGRAPHS= 3,4     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
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   15.09                          741.486                          (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0468        CFS-HRS=     3742.70        ACRE-FT=     309.30

SUBROUTINE REACH     CROSS SECTION  46
           LENGTH=   4700.00     INPUT COEFFICIENT=  0.5100     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.769       AVERAGE ROUTING COEFF= 0.5100       NUMBER OF ROUTINGS=  1.88

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.81                        709.946                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0466        CFS-HRS=     3741.97        ACRE-FT=     309.24

SUBROUTINE RUNOFF    CROSS SECTION  47
           AREA=   1.63     INPUT RUNOFF CURVE=  71.0     TIME OF CONCENTRATION=  2.40

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.60                        209.650                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8766        CFS-HRS=      922.10        ACRE-FT=      76.20

SUBROUTINE ADDHYD    CROSS SECTION  47
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.73                        800.839                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0079        CFS-HRS=     4664.08        ACRE-FT=     385.44

SUBROUTINE REACH     CROSS SECTION  48
           LENGTH=   8000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  3.46

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              17.10                        754.446                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0080        CFS-HRS=     4664.23        ACRE-FT=     385.45

SUBROUTINE RUNOFF    CROSS SECTION  49
           AREA=   1.04     INPUT RUNOFF CURVE=  52.0     TIME OF CONCENTRATION=  2.00

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.11                        15.179                       (RUNOFF)
```

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1729 CFS-HRS= 116.03 ACRE-FT= 9.59

SUBROUTINE ADDHYD CROSS SECTION 50
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.09	764.460	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 8.21

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18
12.00	DISCHG	0.45	1.54	3.53	7.64	14.76	26.52	44.32	69.96	103.74	145.85
14.00	DISCHG	194.91	248.88	305.20	360.75	413.10	460.48	502.63	540.55	575.93	610.28
16.00	DISCHG	644.32	677.54	708.36	734.48	753.48	763.38	762.94	751.95	731.13	701.94
18.00	DISCHG	666.33	626.45	584.38	541.98	500.72	461.72	425.68	392.99	363.72	337.78
20.00	DISCHG	314.93	294.87	277.28	261.86	248.34	236.47	226.00	216.76	208.52	201.15
22.00	DISCHG	194.47	188.37	182.74	177.51	172.63	168.10	163.88	159.97	156.34	152.98
24.00	DISCHG	149.84	146.80	143.86	140.89	137.88	134.85	131.80	128.72	125.61	122.38
26.00	DISCHG	118.97	115.35	111.39	107.13	102.53	97.67	92.60	87.41	82.16	76.87
28.00	DISCHG	71.56	66.22	60.82	55.39	49.94	44.54	39.24	34.15	29.34	24.88
30.00	DISCHG	20.83	17.24	14.10	11.41	9.14	7.25	5.71	4.47	3.48	2.69
32.00	DISCHG	2.07	1.59	1.22	0.93	0.71	0.54	0.41	0.32	0.24	0.18
34.00	DISCHG	0.14	0.10	0.08	0.05	0.04	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9022 CFS-HRS= 4780.27 ACRE-FT= 395.04

SUBROUTINE ADDHYD CROSS SECTION 51
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.79	4837.018	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 33.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.07	0.71	3.00	13.24	58.25
12.00	DISCHG	173.60	392.10	733.77	1231.43	1898.04	2691.50	3534.83	4260.11	4715.21	4837.05
14.00	DISCHG	4694.05	4412.90	4110.49	3844.19	3632.94	3459.45	3303.90	3150.96	2994.97	2837.21
16.00	DISCHG	2681.97	2534.86	2398.43	2274.15	2160.10	2054.65	1955.31	1860.84	1770.36	1683.41
18.00	DISCHG	1599.98	1519.77	1442.64	1368.44	1297.40	1230.10	1167.21	1109.43	1057.09	1010.45
20.00	DISCHG	969.31	933.42	901.92	873.76	847.86	823.35	799.92	777.77	757.22	738.33

2 .CC	DISCHG	721.12	705.49	691.63	679.5.	668.54	657.68	646.26	634.34	622.27	6 .6
24.00	DISCHG	598.95	587.51	575.63	562.47	546.39	525.52	497.65	462.40	420.78	375.90
26.CC	DISCHG	332.01	292.35	258.25	229.33	204.37	182.32	162.26	143.94	127.16	111.98
28.00	DISCHG	98.37	86.24	75.47	65.91	57.38	49.71	42.80	36.56	30.96	25.96
30.00	DISCHG	21.54	17.69	14.38	11.58	9.23	7.31	5.74	4.48	3.48	2.69
32.0C	DISCHG	2.07	1.59	1.22	0.93	0.71	0.54	0.41	0.32	0.24	0.18
34.00	DISCHG	0.14	0.10	0.08	0.05	0.04	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1063 CFS-HRS= 23618.35 ACRE-FT= 1951.82

SUBROUTINE REACH CROSS SECTION 52
LENGTH= 4000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.82

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.C2	4772.873	(NULL)

TCTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1063 CFS-HRS= 23618.91 ACRE-FT= 1951.87

SUBROUTINE RUNOFF CROSS SECTION 53
AREA= 2.69 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 3.20

$T_p = \frac{\Delta D}{2} + .6\,T_c$

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.25	204.846	(RUNOFF)

TCTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6857 CFS-HRS= 1190.41 ACRE-FT= 98.38

SUBRCUTINE REACH CROSS SECTICN 54
LENGTh= 8500.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 3.68

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.88	188.503	(NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA= 0.6858 CFS-HRS= 1190.56 ACRE-FT= 98.39

SUBROUTINE RUNOFF CROSS SECTION 55
AREA= 0.97 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 1.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.13	11.960	(RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA= 0.1499 CFS-HRS= 93.81 ACRE-FT= 7.75

```
SUBROUTINE ADDHYD    CROSS SECTION  55
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 3

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              15.86                       198.224                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5438    CFS-HRS=    1284.37    ACRE-FT=    106.14

SUBROUTINE ADDHYD    CROSS SECTION  56
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.03                      4853.123                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0503    CFS-HRS=   24903.29    ACRE-FT=   2058.01

SUBROUTINE REACH     CROSS SECTION  57
           LENGTH=   5000.00    INPUT COEFFICIENT=  0.7500    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100    AVERAGE ROUTING COEFF= 0.7500    NUMBER OF ROUTINGS=  1.02

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.31                      4783.107                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0503    CFS-HRS=   24903.00    ACRE-FT=   2057.98

SUBROUTINE RUNOFF    CROSS SECTION  58
           AREA=   1.05    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  0.70

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              12.29                       414.860                    (RUNOFF)
              21.68                        19.274                    (RUNOFF)
              23.69                        16.576                    (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0922    CFS-HRS=     740.13    ACRE-FT=     61.16

SUBROUTINE REACH     CROSS SECTION  59
           LENGTH=   7400.00    INPUT COEFFICIENT=  0.5400    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996    AVERAGE ROUTING COEFF= 0.5400    NUMBER OF ROUTINGS=  2.78

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.30                       277.989                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0918    CFS-HRS=     739.82    ACRE-FT=     61.14
```

```
SUBROUTINE RUNOFF    CROSS SECTION  60
           AREA=   1.71     INPUT RUNOFF CURVE=  76.0     TIME OF CONCENTRATION=  0.60

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.24                       783.506                     (RUNOFF)
              21.64                        32.583                     (RUNOFF)
              23.64                        27.992                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1501        CFS-HRS=     1269.18        ACRE-FT=     104.89

SUBROUTINE REACH     CROSS SECTION  61
           LENGTH=   5000.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  1.88

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.88                       557.536                     (NULL)
              22.14                        31.855                     (NULL)
              24.12                        27.350                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1495        CFS-HRS=     1268.57        ACRE-FT=     104.83

SUBROUTINE ADDHYD    CROSS SECTION  61
           INPUT HYDROGRAPHS= 5,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.03                       776.892                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1275        CFS-HRS=     2008.38        ACRE-FT=     165.97

SUBROUTINE REACH     CROSS SECTION  62
           LENGTH=   8000.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  3.01

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.97                       628.807                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1275        CFS-HRS=     2008.31        ACRE-FT=     165.97

SUBROUTINE RUNOFF    CROSS SECTION  63
           AREA=   3.60     INPUT RUNOFF CURVE=  76.0     TIME OF CONCENTRATION=  2.30

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
```

```
    13.43                    672.188                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1507      CFS-HRS=     2673.38      ACRE-FT=     220.93

SUBROUTINE ADDHYD    CROSS SECTION  63
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   13.81                     1249.037                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1406      CFS-HRS=     4681.70      ACRE-FT=     386.90

SUBROUTINE REACH     CROSS SECTION  64
LENGTH=   8500.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.996      AVERAGE ROUTING COEFF= 0.5400      NUMBER OF ROUTINGS=  3.19

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   13.44                     173.151                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0918      CFS-HRS=      472.08      ACRE-FT=      39.01

SUBROUTINE ADDHYD    CROSS SECTION  65
INPUT HYDROGRAPHS= 5,4     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   13.76                     1401.107                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1360      CFS-HRS=     5153.78      ACRE-FT=     425.91

SUBROUTINE REACH     CROSS SECTION  66
LENGTH=  31000.00     INPUT COEFFICIENT=  0.5000     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.700      AVERAGE ROUTING COEFF= 0.5000      NUMBER OF ROUTINGS= 12.66

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   18.91                     963.535                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.1358      CFS-HRS=     5153.13      ACRE-FT=     425.85

SUBROUTINE RUNOFF    CROSS SECTION  67
AREA=    6.47     INPUT RUNOFF CURVE=  72.0     TIME OF CONCENTRATION=  6.10

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   16.62                     452.645                     (RUNOFF)
```

TCTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9279 CFS-HRS= 3874.61 ACRE-FT= 320.20

SUBRCUTINE ADDHYC CROSS SECTICN 67
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.75	1294.024	(NULL)

TCTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0362 CFS-HRS= 9027.77 ACRE-FT= 746.05

SUBRCUTINE ADDHYC CROSS SECTICN 68
INPUT HYDROGRAPHS= 2,4 CUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.35	5077.557	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 50.24

TIME											
C.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	C.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1C.00	DISCHG	0.0	0.0	0.0	0.07	0.16	0.25	0.36	0.55	5.89	18.C0
12.00	DISCHG	38.53	87.16	193.61	392.24	716.18	1182.89	1805.90	2561.84	3384.31	4155.55
14.00	DISCHG	4731.00	5031.01	5071.53	4937.34	4717.85	4493.40	4302.17	4146.60	4015.41	3887.05
16.00	DISCHG	3757.41	3633.58	3519.98	3422.59	3341.83	3275.69	3229.03	3197.23	3173.98	3152.13
18.00	DISCHG	3120.78	3080.79	3028.73	2962.52	2881.51	2789.82	2686.31	2573.43	2454.58	2333.31
20.00	DISCHG	2214.67	2100.49	1991.84	1890.09	1795.77	1709.41	1630.69	1558.00	1490.84	1428.99
22.00	DISCHG	1372.67	1322.56	1277.09	1235.88	1198.66	1165.06	1135.42	1107.72	1081.09	1055.17
24.00	DISCHG	1029.98	1006.06	983.12	960.83	938.62	915.69	890.53	861.40	826.63	785.33
26.00	DISCHG	738.03	686.70	634.45	584.85	539.75	499.54	463.59	431.15	401.18	373.23
28.CC	DISCHG	346.99	322.37	299.93	279.03	259.36	240.70	222.79	205.97	189.87	174.03
30.00	DISCHG	158.42	143.08	128.45	114.87	101.90	89.66	78.24	67.78	58.68	50.50
32.0C	DISCHG	43.21	36.77	31.09	26.56	22.70	19.37	16.52	14.05	12.10	10.51
34.00	DISCHG	9.14	7.95	6.91	6.06	5.40	4.81	4.27	3.79	3.37	3.05
36.CC	DISCHG	2.77	2.50	2.25	2.02	1.86	1.71	1.56	1.41	1.27	1.16
38.00	DISCHG	1.07	0.98	0.89	0.80	0.73	0.67	0.61	0.55	0.49	0.44
4C.00	DISCHG	0.40	0.37	0.33	0.29	0.25	0.23	0.20	0.18	0.15	0.13
42.00	DISCHG	0.11	0.09	0.08	0.06	0.05	0.04	0.03	0.02	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0465 CFS-HRS= 33930.08 ACRE-FT= 2803.98

SUBROUTINE REACH CROSS SECTION 69
LENGTH= 7400.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.75CC NUMBER OF ROUTINGS= 1.51

```
PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   14.77                     4990.931                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0465      CFS-HRS=    33930.04      ACRE-FT=    2803.98

SUBROUTINE RUNOFF    CROSS SECTION  70
AREA=   0.95    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  2.30

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   13.44                     166.534                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0927      CFS-HRS=      669.91      ACRE-FT=      55.36

SUBROUTINE RUNOFF    CROSS SECTION  71
AREA=   2.55    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  3.25

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   14.08                     341.682                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0920      CFS-HRS=     1797.03      ACRE-FT=     148.51

SUBROUTINE REACH     CROSS SECTION  72
LENGTH=  21000.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=  1.508    AVERAGE ROUTING COEFF= 0.4700    NUMBER OF ROUTINGS=  9.09

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   18.16                     284.169                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0918      CFS-HRS=     1796.82      ACRE-FT=     148.49

SUBROUTINE RUNOFF    CROSS SECTION  73
AREA=   1.32    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  3.80

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   14.47                     157.482                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0919      CFS-HRS=      930.16      ACRE-FT=      76.87

SUBROUTINE ADDHYD    CROSS SECTION  73
INPUT HYDROGRAPHS= 5,6    OUTPUT HYDROGRAPH= 4

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
   17.97                     348.736                     (NULL)
```

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0918        CFS-HRS=     2726.97        ACRE-FT=     225.36

SUBROUTINE ADDHYD    CROSS SECTION  74
           INPUT HYDROGRAPHS= 1,4     OUTPUT HYDROGRAPH= 6

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             13.82                       296.038                       (NULL)
             17.90                       380.732                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0920        CFS-HRS=     3396.88        ACRE-FT=     280.72

SUBROUTINE ADDHYD    CROSS SECTION  75
           INPUT HYDROGRAPHS= 2,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             14.76                      5256.200                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0505        CFS-HRS=    37326.89        ACRE-FT=    3084.69
```

PASS= 1

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 76/ 0 TO XSECTN/STRUCT 130/ 0
STARTING TIME= 0.0 RAIN DEPTH= 3.05 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 1

SUBROUTINE RUNOFF CROSS SECTION 76
AREA= 0.50 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.24	85.357	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9927 CFS-HRS= 320.34 ACRE-FT= 26.47

SUBROUTINE ADDHYD CROSS SECTION 77
INPUT HYDROGRAPHS= 4,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.76	5297.552	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 55.56

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.03	0.15	0.33	1.89	4.65	12.55	29.71
12.00	DISCHG	67.00	119.98	198.34	319.63	494.39	759.02	1124.51	1628.23	2258.01	2996.07
14.00	DISCHG	3764.01	4464.23	4978.80	5247.71	5294.21	5181.10	4986.08	4778.92	4596.62	4443.80
16.00	DISCHG	4313.37	4191.59	4076.42	3969.02	3872.50	3789.83	3721.58	3666.83	3625.86	3595.48
18.00	DISCHG	3569.13	3538.81	3499.46	3448.21	3382.80	3302.24	3207.59	3100.43	2982.16	2855.53
20.00	DISCHG	2723.54	2590.23	2459.71	2333.86	2214.22	2102.12	1998.15	1902.56	1814.86	1734.19
22.00	DISCHG	1659.78	1591.44	1529.43	1473.37	1422.49	1376.36	1334.49	1296.74	1262.53	1230.69
24.00	DISCHG	1200.33	1170.76	1142.13	1114.22	1087.04	1059.85	1032.58	1004.33	973.52	938.99
26.00	DISCHG	899.21	853.88	803.33	749.81	695.95	644.75	597.56	554.97	516.67	481.74
28.00	DISCHG	449.30	419.15	390.68	363.95	339.07	315.69	293.46	272.21	251.91	232.54
30.00	DISCHG	213.84	195.63	177.79	160.48	144.08	128.63	114.03	100.36	87.69	76.21
32.00	DISCHG	65.99	56.87	48.76	41.59	35.43	30.26	25.86	22.10	18.86	16.12
34.00	DISCHG	13.88	12.00	10.41	9.03	7.85	6.88	6.07	5.37	4.75	4.19
36.00	DISCHG	3.72	3.34	3.00	2.69	2.41	2.17	1.97	1.79	1.62	1.46
38.00	DISCHG	1.32	1.20	1.09	0.99	0.90	0.81	0.73	0.67	0.61	0.55
40.00	DISCHG	0.49	0.44	0.40	0.36	0.33	0.29	0.26	0.23	0.20	0.18
42.00	DISCHG	0.15	0.13	0.11	0.09	0.08	0.06	0.05	0.04	0.03	0.02
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0499 CFS-HRS= 37647.19 ACRE-FT= 3111.16

SUBROUTINE REACH CROSS SECTION 78

```
LENGTH=   4200.00      INPUT COEFFICIENT=  0.7500      INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  0.86

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  15.00                        5255.161                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0499      CFS-HRS=    37646.33       ACRE-FT=   3111.09


SUBROUTINE RUNOFF    CROSS SECTION  79
AREA=   2.31     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.95

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  14.78                        241.852                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9917      CFS-HRS=     1478.46       ACRE-FT=     122.18


SUBROUTINE RUNOFF    CROSS SECTION  80
AREA=   1.11     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.20

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  13.29                        179.666                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9920      CFS-HRS=      710.60       ACRE-FT=      58.72


SUBROUTINE ADDHYD    CROSS SECTION  80
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  14.07                        370.190                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918      CFS-HRS=     2189.03       ACRE-FT=     180.90


SUBROUTINE REACH     CROSS SECTION  81
LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  4.33

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  16.00                        342.646                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9921      CFS-HRS=     2189.68       ACRE-FT=     180.95


SUBROUTINE RUNOFF    CROSS SECTION  82
AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00
```

```
PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  13.24                      180.956                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9927      CFS-HRS=     679.12      ACRE-FT=     56.12


SUBROUTINE ADDHYD    CROSS SECTION  82
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.80                      395.231                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9922      CFS-HRS=    2868.80      ACRE-FT=    237.08


SUBROUTINE RUNOFF    CROSS SECTION  83
AREA=   2.54     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.50

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  14.36                      288.778                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9917      CFS-HRS=    1625.69      ACRE-FT=    134.35


SUBROUTINE ADDHYD    CROSS SECTION  84
INPUT HYDROGRAPHS= 4,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.10                      624.295                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9920      CFS-HRS=    4494.48      ACRE-FT=    371.42


SUBROUTINE REACH     CROSS SECTION  85
LENGTH=  11000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  4.76

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  17.23                      593.923                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919      CFS-HRS=    4493.64      ACRE-FT=    371.35


SUBROUTINE RUNOFF    CROSS SECTION  86
AREA=   0.57     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  13.24                      97.307                      (RUNOFF)
```

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9927        CFS-HRS=      365.19        ACRE-FT=      30.18

SUBROUTINE ADDHYD    CROSS SECTION  86
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              17.19                       612.921                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919        CFS-HRS=     4858.83        ACRE-FT=     401.53

SUBROUTINE RUNOFF    CROSS SECTION  87
           AREA=   1.28    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  2.00

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.24                       218.513                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9927        CFS-HRS=      820.07        ACRE-FT=      67.77

SUBROUTINE RUNOFF    CROSS SECTION  88
           AREA=   2.12     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.60

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.28                       237.770                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9922        CFS-HRS=     1357.48        ACRE-FT=     112.18

SUBROUTINE ADDHYD    CROSS SECTION  88
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.63                       403.089                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9924        CFS-HRS=     2177.52        ACRE-FT=     179.95

SUBROUTINE REACH     CROSS SECTION  89
           LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  4.33

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              15.72                       361.820                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919        CFS-HRS=     2176.45        ACRE-FT=     179.86
```

```
SUBROUTINE RUNOFF    CROSS SECTION  90
           AREA=   1.66    INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.80

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.07                        309.729                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9921        CFS-HRS=     1062.85        ACRE-FT=      87.83

SUBROUTINE ADDHYD    CROSS SECTION  90
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 3

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.44                        447.701                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9920        CFS-HRS=     3239.30        ACRE-FT=     267.70

SUBROUTINE ADDHYD    CROSS SECTION  91
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              16.44                        984.121                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919        CFS-HRS=     8098.16        ACRE-FT=     669.23

SUBROUTINE REACH     CROSS SECTION  92
           LENGTH=   7500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  3.25

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              17.84                        961.694                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918        CFS-HRS=     8097.20        ACRE-FT=     669.15

SUBROUTINE RUNOFF    CROSS SECTION  93
           AREA=   0.64     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.50

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.87                        135.495                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9925        CFS-HRS=      409.94        ACRE-FT=      33.88

SUBROUTINE ADDHYD    CROSS SECTION  93
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2
```

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  17.83                          978.793                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919      CFS-HRS=     8507.14      ACRE-FT=     703.03

SUBROUTINE RUNOFF     CROSS SECTION  94
AREA=   1.71     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.30

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  14.19                          203.413                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919      CFS-HRS=     1094.63      ACRE-FT=      90.46

SUBROUTINE ADDHYD     CROSS SECTION  95
INPUT HYDROGRAPHS= 2,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  17.69                         1051.534                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9919      CFS-HRS=     9601.78      ACRE-FT=     793.49

SUBROUTINE REACH      CROSS SECTION  96
LENGTH=  5000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  2.17

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  18.59                         1038.444                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918      CFS-HRS=     9601.64      ACRE-FT=     793.48

SUBROUTINE RUNOFF     CROSS SECTION  97
AREA=   0.52     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  12.45                          156.533                        (RUNOFF)
  21.77                            8.767                        (RUNOFF)
  23.75                            7.554                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9923      CFS-HRS=      333.00      ACRE-FT=      27.52

SUBROUTINE ADDHYD     CROSS SECTION  98
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

18.57 1049.719 (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.52

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.08	0.45	1.41	5.98	26.33
12.00	DISCHG	73.81	135.28	173.78	184.32	186.05	196.50	220.62	252.85	291.52	334.86
14.00	DISCHG	381.92	430.57	479.10	525.34	566.65	602.49	633.26	659.88	684.48	709.24
16.00	DISCHG	735.76	764.79	796.58	830.55	865.47	900.15	933.21	963.34	989.74	1011.75
18.00	DISCHG	1028.90	1041.01	1047.91	1049.67	1046.57	1038.87	1026.94	1011.17	991.95	969.70
20.00	DISCHG	944.87	917.99	889.62	860.18	829.92	799.16	768.39	738.04	708.35	679.26
22.00	DISCHG	650.87	623.41	597.12	572.07	548.23	525.54	504.18	484.30	465.82	448.46
24.00	DISCHG	432.02	416.26	400.81	385.81	371.70	358.59	346.38	334.75	323.53	312.67
26.00	DISCHG	302.08	291.69	281.43	271.28	261.24	251.34	241.63	232.14	222.90	213.92
28.00	DISCHG	205.17	196.60	188.16	179.80	171.47	163.16	154.85	146.55	138.29	130.08
30.00	DISCHG	121.98	114.01	106.22	98.63	91.29	84.23	77.47	71.03	64.93	59.18
32.00	DISCHG	53.78	48.75	44.06	39.72	35.72	32.04	28.68	25.61	22.82	20.30
34.00	DISCHG	18.02	15.98	14.14	12.50	11.03	9.73	8.57	7.54	6.64	5.83
36.00	DISCHG	5.13	4.50	3.95	3.46	3.03	2.66	2.32	2.03	1.77	1.55
38.00	DISCHG	1.35	1.17	1.02	0.89	0.77	0.66	0.57	0.49	0.42	0.36
40.00	DISCHG	0.31	0.27	0.23	0.20	0.17	0.14	0.12	0.10	0.08	0.07
42.00	DISCHG	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9919 CFS-HRS= 9934.64 ACRE-FT= 821.00

SUBROUTINE ADDHYD CROSS SECTION 100
INPUT HYDROGRAPHS= 1,4 OUTPUT HYDROGRAPH= 6

PEAK TIMES 15.04 PEAK DISCHARGES 5861.159 PEAK ELEVATIONS (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.04	0.23	0.91	3.30	10.93	39.16
12.00	DISCHG	104.06	200.31	290.72	378.74	498.33	681.38	961.64	1351.35	1876.44	2530.91
14.00	DISCHG	3292.13	4089.63	4828.07	5399.06	5739.33	5857.99	5808.54	5663.41	5491.22	5333.87
16.00	DISCHG	5203.79	5097.73	5005.63	4923.43	4850.27	4787.51	4736.34	4696.29	4666.18	4645.07
18.00	DISCHG	4629.55	4613.51	4589.54	4552.45	4499.18	4427.64	4337.17	4228.80	4104.31	3965.64
20.00	DISCHG	3815.78	3658.25	3497.46	3337.61	3181.21	3030.26	2886.57	2751.26	2624.85	2506.92
22.00	DISCHG	2396.80	2294.04	2198.62	2110.70	2029.92	1955.58	1887.38	1825.02	1768.18	1715.98
24.00	DISCHG	1667.22	1620.77	1575.61	1531.83	1489.71	1449.23	1409.80	1370.79	1331.22	1289.66
26.00	DISCHG	1244.78	1195.16	1140.30	1080.54	1017.79	954.57	893.65	836.63	784.22	736.27

28.00	DISCHG	692.00	650.58	611.60	574.52	539.25	505.77	473.83	443.11	413.45	384.82
30.00	DISCHG	357.19	330.40	304.31	278.85	254.18	230.61	208.27	187.13	167.25	148.73
32.00	DISCHG	131.71	116.28	102.32	89.72	78.43	68.46	59.77	52.17	45.52	39.68
34.00	DISCHG	34.59	30.22	26.45	23.16	20.28	17.77	15.61	13.74	12.11	10.68
36.00	DISCHG	9.40	8.30	7.35	6.51	5.77	5.11	4.53	4.03	3.59	3.19
38.00	DISCHG	2.83	2.51	2.24	1.99	1.77	1.57	1.39	1.24	1.10	0.98
40.00	DISCHG	0.87	0.77	0.68	0.61	0.54	0.47	0.41	0.36	0.32	0.28
42.00	DISCHG	0.24	0.20	0.17	0.14	0.12	0.09	0.07	0.05	0.04	0.03
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0372 CFS-HRS= 47581.02 ACRE-FT= 3932.09

SUBROUTINE RESVOR STRUCTURE 1
SURFACE ELEVATION= 100.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.04	5861.159	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.04	0.23	0.91	3.30	10.93	39.16
12.00	DISCHG	104.06	200.31	290.72	378.74	498.33	681.38	961.64	1351.35	1876.44	2530.91
14.00	DISCHG	3292.13	4089.63	4828.07	5399.06	5739.33	5857.99	5808.54	5663.41	5491.22	5333.87
16.00	DISCHG	5203.79	5097.73	5005.63	4923.43	4850.27	4787.51	4736.34	4696.29	4666.18	4645.07
18.00	DISCHG	4629.55	4613.51	4589.54	4552.45	4499.18	4427.64	4337.17	4228.80	4104.31	3965.64
20.00	DISCHG	3815.78	3658.25	3497.46	3337.61	3181.21	3030.26	2886.57	2751.26	2624.85	2506.92
22.00	DISCHG	2396.80	2294.04	2198.62	2110.70	2029.92	1955.58	1887.38	1825.02	1768.18	1715.98
24.00	DISCHG	1667.22	1620.77	1575.61	1531.83	1489.71	1449.23	1409.80	1370.79	1331.22	1289.66
26.00	DISCHG	1244.78	1195.16	1140.30	1080.54	1017.79	954.57	893.65	836.63	784.22	736.27
28.00	DISCHG	692.00	650.58	611.60	574.52	539.25	505.77	473.83	443.11	413.45	384.82
30.00	DISCHG	357.19	330.40	304.31	278.85	254.18	230.61	208.27	187.13	167.25	148.73
32.00	DISCHG	131.71	116.28	102.32	89.72	78.43	68.46	59.77	52.17	45.52	39.68
34.00	DISCHG	34.59	30.22	26.45	23.16	20.28	17.77	15.61	13.74	12.11	10.68
36.00	DISCHG	9.40	8.30	7.35	6.51	5.77	5.11	4.53	4.03	3.59	3.19
38.00	DISCHG	2.83	2.51	2.24	1.99	1.77	1.57	1.39	1.24	1.10	0.98
40.00	DISCHG	0.87	0.77	0.68	0.61	0.54	0.47	0.41	0.36	0.32	0.28
42.00	DISCHG	0.24	0.20	0.17	0.14	0.12	0.09	0.07	0.05	0.04	0.03
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.0372 CFS-HRS= 47581.02 ACRE-FT= 3932.09

SUBROUTINE RUNOFF CROSS SECTION 101
AREA= 1.00 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.20

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.29                          161.861                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9920        CFS-HRS=      640.18        ACRE-FT=      52.90

SUBROUTINE REACH      CROSS SECTION 102
LENGTH=  16000.00      INPUT COEFFICIENT=  0.8100     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   7.247       AVERAGE ROUTING COEFF= 0.8100       NUMBER OF ROUTINGS=  2.48

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.00                          157.802                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9927        CFS-HRS=      640.68        ACRE-FT=      52.95

SUBROUTINE RUNOFF     CROSS SECTION 103
AREA=   2.97      INPUT RUNOFF CURVE=  68.0      TIME OF CONCENTRATION=  3.80

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.93                          192.636                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6513        CFS-HRS=     1248.45        ACRE-FT=     103.17

SUBROUTINE RUNOFF     CROSS SECTION 104
AREA=   9.48      INPUT RUNOFF CURVE=  74.0      TIME OF CONCENTRATION=  5.40

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.74                          721.715                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9384        CFS-HRS=     5741.00        ACRE-FT=     474.44

SUBROUTINE ADDHYD     CROSS SECTION 104
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.59                          896.229                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8699        CFS-HRS=     6989.45        ACRE-FT=     577.61

SUBROUTINE REACH      CROSS SECTION 105
LENGTH=   2700.00      INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.17

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

```
15.97                          886.026                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8699      CFS-HRS=     6989.46      ACRE-FT=     577.61

SUBROUTINE RUNOFF    CROSS SECTION 106
AREA=   0.99     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.50

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  13.58                       144.321                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9913      CFS-HRS=      633.35      ACRE-FT=      52.34

SUBROUTINE ADDHYD    CROSS SECTION 107
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.85                       944.512                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8788      CFS-HRS=     7622.81      ACRE-FT=     629.95

SUBROUTINE REACH     CROSS SECTION 108
LENGTH=   3000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  1.30

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  16.34                       936.005                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8788      CFS-HRS=     7622.60      ACRE-FT=     629.93

SUBROUTINE RUNOFF    CROSS SECTION 109
AREA=   3.70     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  4.40

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.02                       352.490                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9917      CFS-HRS=     2368.15      ACRE-FT=     195.70

SUBROUTINE ADDHYD    CROSS SECTION 109
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  15.89                      1239.300                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9032      CFS-HRS=     9990.80      ACRE-FT=     825.64
```

```
SUBROUTINE REACH     CROSS SECTION 110
          LENGTH=  16000.00      INPUT COEFFICIENT=  0.4700      INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  6.93

          PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
             19.01                         1170.510                       (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9032        CFS-HRS=     9990.77        ACRE-FT=     825.64

SUBROUTINE RUNOFF    CROSS SECTION 111
          AREA=   2.90      INPUT RUNOFF CURVE=  68.0      TIME OF CONCENTRATION=  3.00

          PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
             14.10                         218.442                       (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6514        CFS-HRS=     1219.18        ACRE-FT=     100.75

SUBROUTINE ADDHYD    CROSS SECTION 112
          INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

          PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
             18.94                        1235.166                       (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8668        CFS-HRS=    11209.94        ACRE-FT=     926.39

SUBROUTINE RUNOFF    CROSS SECTION 113
          AREA=   1.25      INPUT RUNOFF CURVE=  75.0      TIME OF CONCENTRATION=  3.20

          PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
             14.16                         152.726                       (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9916        CFS-HRS=      799.97        ACRE-FT=      66.11

SUBROUTINE RUNOFF    CROSS SECTION 114
          AREA=   2.05      INPUT RUNOFF CURVE=  75.0      TIME OF CONCENTRATION=  5.00

          PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
             15.40                         176.561                       (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9920        CFS-HRS=     1312.41        ACRE-FT=     108.46

SUBROUTINE ADDHYD    CROSS SECTION 114
```

```
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   14.60                        311.328                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918      CFS-HRS=     2112.34      ACRE-FT=     174.56


SUBROUTINE REACH      CROSS SECTION 115
LENGTH=   2700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  1.17

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.06                        304.082                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9917      CFS-HRS=     2112.05      ACRE-FT=     174.54


SUBROUTINE RUNOFF     CROSS SECTION 116
AREA=   3.20     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  5.40

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.73                        259.925                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918      CFS-HRS=     2048.20      ACRE-FT=     169.26


SUBROUTINE ADDHYD     CROSS SECTION 116
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.27                        555.246                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9917      CFS-HRS=     4160.29      ACRE-FT=     343.81


SUBROUTINE REACH      CROSS SECTION 117
LENGTH=   2500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  1.08

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.82                        550.361                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9918      CFS-HRS=     4160.34      ACRE-FT=     343.81


SUBROUTINE ADDHYD     CROSS SECTION 118
INPUT HYDROGRAPHS= 5,4      OUTPUT HYDROGRAPH= 7
```

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   18.49                          1577.151                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8974        CFS-HRS=    15370.34        ACRE-FT=    1270.20


SUBROUTINE RUNOFF     CROSS SECTION 120
AREA=   0.58     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.30

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.74                          135.461                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9895        CFS-HRS=      370.39        ACRE-FT=      30.61


SUBROUTINE ADDHYD     CROSS SECTION 120
INPUT HYDROGRAPHS= 7,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   18.47                          1590.764                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8993        CFS-HRS=    15740.72        ACRE-FT=    1300.81


SUBROUTINE REACH      CROSS SECTION 121
LENGTH=   4650.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  2.01

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   19.35                          1574.278                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8993        CFS-HRS=    15740.74        ACRE-FT=    1300.81


SUBROUTINE RUNOFF     CROSS SECTION 122
AREA=   0.41     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.45                          123.420                      (RUNOFF)
   21.77                            6.913                      (RUNOFF)
   23.75                            5.956                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9923        CFS-HRS=      262.56        ACRE-FT=      21.70


SUBROUTINE ADDHYD     CROSS SECTION 123
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

```
    19.35                    1582.552                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9007      CFS-HRS=    16003.29      ACRE-FT=    1322.51

SUBROUTINE REACH     CROSS SECTION 124
           LENGTH=   2400.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  1.04

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.79                     1574.726                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.9007      CFS-HRS=    16003.26      ACRE-FT=    1322.51

SUBROUTINE RUNOFF    CROSS SECTION 125
           AREA=   0.54     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.47

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.17                     236.828                     (RUNOFF)
              19.35                      10.800                     (RUNOFF)
              21.58                       9.390                     (RUNOFF)
              23.58                       8.120                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.9941      CFS-HRS=      346.43      ACRE-FT=      28.63

SUBROUTINE ADDHYD    CROSS SECTION 125
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.22                     269.539                     (NULL)
              19.77                    1585.052                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.9025      CFS-HRS=    16349.69      ACRE-FT=    1351.14

SUBROUTINE REACH     CROSS SECTION 126
           LENGTH=   1800.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  0.78

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.67                     217.465                     (NULL)
              20.11                    1579.109                     (NULL)

     TIME                          HYDROGRAPH, TZERO=   0.0      DELTA T= 0.20      DRAINAGE AREA=  28.07
     0.0    DISCHG      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
     2.00   DISCHG      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.C	0.C	0.0	0.0	
6.00	DISCHG	0.0	0.0	C.0	0.0	0.C	C.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.C3	0.28	1.17	3.69	16.35
12.00	DISCHG	64.40	145.77	206.29	216.29	214.25	213.28	216.82	228.04	246.92	273.17
14.00	DISCHG	304.71	340.36	379.28	420.73	464.51	509.85	556.21	602.81	649.08	695.12
16.00	DISCHG	740.79	786.42	832.56	879.70	928.50	979.23	1031.81	1085.81	1140.75	1196.02
18.00	DISCHG	1250.63	1303.62	1353.95	1400.64	1443.04	1480.51	1512.47	1538.47	1558.21	1571.49
20.00	DISCHG	1578.17	1578.54	1572.98	1561.82	1545.39	1524.C2	1498.35	1469.18	1437.10	1402.37
22.00	DISCHG	1365.35	1326.68	1287.03	1246.87	1206.53	1166.24	1126.48	1087.77	1050.36	1014.11
24.00	DISCHG	978.92	944.81	911.33	878.33	846.81	817.04	788.84	762.05	736.50	712.05
26.00	DISCHG	688.56	665.90	644.01	622.82	602.30	582.40	563.08	544.32	526.08	508.33
28.00	DISCHG	491.05	474.21	457.80	441.75	426.02	410.58	395.36	380.34	365.45	350.66
30.00	DISCHG	335.96	321.34	306.79	292.32	277.95	263.73	249.68	235.86	222.30	209.04
32.00	DISCHG	196.13	183.59	171.47	159.79	148.58	137.86	127.64	117.93	108.75	100.09
34.00	DISCHG	91.96	84.35	77.24	70.64	64.53	58.88	53.68	48.90	44.52	40.51
36.00	DISCHG	36.85	33.51	30.46	27.69	25.17	22.87	20.79	18.89	17.16	15.59
38.00	DISCHG	14.16	12.86	11.67	10.59	9.61	8.72	7.91	7.17	6.50	5.89
40.00	DISCHG	5.33	4.82	4.36	3.94	3.56	3.21	2.89	2.60	2.34	2.10
42.00	DISCHG	1.89	1.69	1.52	1.36	1.21	1.08	0.97	0.86	0.76	0.68
44.00	DISCHG	0.60	0.53	0.47	0.41	0.36	0.31	0.27	0.23	0.20	0.17
46.00	DISCHG	0.14	0.12	0.10	0.08	0.06	0.05	0.04	0.03	0.02	0.01
48.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9025 CFS-HRS= 16348.68 ACRE-FT= 1351.05

SUBROUTINE ADDHYD CROSS SECTION 127
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.09	1602.045	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9056 CFS-HRS= 16989.35 ACRE-FT= 1404.00

SUBROUTINE REACH CROSS SECTION 128
LENGTH= 9000.00 INPUT COEFFICIENT= 0.8100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 7.247 AVERAGE ROUTING COEFF= 0.8100 NUMBER OF ROUTINGS= 1.40

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.43	1600.290	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 29.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.14	0.68	2.31
12.00	DISCHG	9.67	38.72	100.84	173.66	222.49	249.17	271.75	298.60	330.81	366.50
14.00	DISCHG	403.35	439.15	472.94	504.79	535.36	565.84	597.54	631.35	667.16	704.39
16.00	DISCHG	742.60	781.53	821.15	861.72	903.63	947.34	993.25	1041.44	1091.65	1143.44
18.00	DISCHG	1196.23	1249.24	1301.51	1351.99	1399.66	1443.62	1483.17	1517.65	1546.53	1569.42
20.00	DISCHG	1586.06	1596.31	1600.23	1598.07	1590.17	1576.82	1558.35	1535.21	1508.07	1477.62
22.00	DISCHG	1444.30	1408.47	1370.64	1331.42	1291.40	1250.98	1210.46	1170.17	1130.59	1092.10
24.00	DISCHG	1054.79	1018.59	983.47	949.24	915.60	882.89	851.56	821.68	793.09	765.65
26.00	DISCHG	739.22	713.75	689.17	665.47	642.62	620.61	599.41	578.99	559.28	540.23
28.00	DISCHG	521.78	503.89	486.51	469.62	453.16	437.09	421.35	405.89	390.66	375.62
30.00	DISCHG	360.72	345.92	331.22	316.59	302.05	287.61	273.28	259.12	245.14	231.41
32.00	DISCHG	217.95	204.81	192.03	179.64	167.67	156.15	145.11	134.56	124.51	114.98
34.00	DISCHG	105.97	97.48	89.52	82.08	75.14	68.70	62.74	57.23	52.17	47.52
36.00	DISCHG	43.25	39.36	35.80	32.55	29.59	26.90	24.45	22.22	20.19	18.34
38.00	DISCHG	16.66	15.14	13.75	12.48	11.33	10.29	9.33	8.47	7.68	6.96
40.00	DISCHG	6.31	5.71	5.17	4.68	4.23	3.82	3.45	3.11	2.80	2.52
42.00	DISCHG	2.27	2.04	1.83	1.64	1.47	1.31	1.17	1.05	0.93	0.83
44.00	DISCHG	0.74	0.66	0.58	0.51	0.45	0.40	0.35	0.30	0.26	0.22
46.00	DISCHG	0.19	0.16	0.14	0.11	0.09	0.07	0.06	0.05	0.03	0.03
48.00	DISCHG	0.02	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9056 CFS-HRS= 16989.53 ACRE-FT= 1404.01

SUBROUTINE ADDHYD CROSS SECTION 129
INPUT HYDROGRAPHS= 5,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.08	6436.333	(NULL)
18.64	5904.846	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 100.15

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.04	0.23	0.93	3.45	11.61	41.47
12.00	DISCHG	113.74	239.03	391.56	552.41	720.83	930.55	1233.39	1649.95	2207.25	2897.40
14.00	DISCHG	3695.49	4528.77	5301.00	5903.84	6274.69	6423.83	6406.09	6294.75	6158.38	6038.26
16.00	DISCHG	5946.38	5879.25	5826.77	5785.14	5753.90	5734.85	5729.59	5737.73	5757.83	5788.50
18.00	DISCHG	5825.79	5862.75	5891.05	5904.45	5898.83	5871.27	5820.34	5746.45	5650.84	5535.06
20.00	DISCHG	5401.84	5254.56	5097.69	4935.68	4771.38	4607.09	4444.91	4286.47	4132.92	3984.54
22.00	DISCHG	3841.10	3702.51	3569.25	3442.12	3321.32	3206.56	3097.83	2995.19	2898.77	2808.08
24.00	DISCHG	2722.01	2639.36	2559.08	2481.07	2405.31	2332.12	2261.36	2192.47	2124.31	2055.31
26.00	DISCHG	1984.00	1908.91	1829.47	1746.01	1660.41	1575.18	1493.06	1415.62	1343.50	1276.50
28.00	DISCHG	1213.78	1154.47	1098.12	1044.14	992.41	942.86	895.18	849.00	804.11	760.44
30.00	DISCHG	717.91	676.32	635.52	595.44	556.23	518.22	481.56	446.25	412.40	380.13
32.00	DISCHG	349.67	321.09	294.35	269.36	246.10	224.61	204.87	186.73	170.02	154.65
34.00	DISCHG	140.56	127.70	115.97	105.24	95.42	86.47	78.35	70.98	64.28	58.19

48.2
10.0
37.0

36.00	DISCHG	52.66	47.66	43.14	39.06	35.36	32.01	28.98	26.25	23.78	21.54
38.00	DISCHG	19.50	17.65	15.98	14.47	13.11	11.86	10.73	9.70	8.78	7.94
40.00	DISCHG	7.18	6.48	5.85	5.28	4.77	4.29	3.86	3.47	3.12	2.80
42.00	DISCHG	2.50	2.24	2.00	1.78	1.58	1.40	1.24	1.10	0.97	0.86
44.00	DISCHG	0.74	0.66	0.58	0.51	0.45	0.40	0.35	0.30	0.26	0.22
46.00	DISCHG	0.19	0.16	0.14	0.11	0.09	0.07	0.06	0.05	0.03	0.03
48.00	DISCHG	0.02	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9990 CFS-HRS= 64570.39 ACRE-FT= 5336.09

SUBROUTINE REACH CROSS SECTION 130
LENGTH= 11000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 2.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.72	6343.217	(NULL)
19.20	5895.464	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.9990 CFS-HRS= 64570.52 ACRE-FT= 5336.11

```
                                                                                                PASS=  1
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,    FROM XSECTN/STRUCT 131/  0     TO XSECTN/STRUCT 158/  0
        STARTING TIME=  0.0     RAIN DEPTH=  2.90    RAIN DURATION=  1.00    RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 1

SUBROUTINE RUNOFF    CROSS SECTION 131
           AREA=   1.56    INPUT RUNOFF CURVE=  68.0    TIME OF CONCENTRATION=  2.80

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.96                     106.005                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.5748      CFS-HRS=      578.71      ACRE-FT=      47.82

SUBROUTINE REACH     CROSS SECTION 132
           LENGTH=  28400.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS= 12.30

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.41                      82.350                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.5746      CFS-HRS=      578.51      ACRE-FT=      47.81

SUBROUTINE RUNOFF    CROSS SECTION 133
           AREA=   6.11    INPUT RUNOFF CURVE=  50.0    TIME OF CONCENTRATION=  5.60

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              20.17                      24.595                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.0742      CFS-HRS=      292.47      ACRE-FT=      24.17

SUBROUTINE ADDHYD    CROSS SECTION 134
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.43                     106.742                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.1760      CFS-HRS=      870.99      ACRE-FT=      71.98

SUBROUTINE REACH     CROSS SECTION 135
           LENGTH=  17000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  7.36

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
```

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22.70                          99.688                          (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1760        CFS-HRS=      870.97        ACRE-FT=      71.98

SUBROUTINE RUNOFF    CROSS SECTION 136
           AREA=   3.60     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  3.20

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.77                        30.577                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1267        CFS-HRS=      294.40        ACRE-FT=      24.33

SUBROUTINE ADDHYD    CROSS SECTION 136
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              22.63                       117.948                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1602        CFS-HRS=     1165.37        ACRE-FT=      96.31

SUBROUTINE RUNOFF    CROSS SECTION 137
           AREA=   4.68     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  5.60

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              18.24                        33.002                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1267        CFS-HRS=      382.72        ACRE-FT=      31.63

SUBROUTINE REACH     CROSS SECTION 138
           LENGTH=  12700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  5.50

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              20.77                        32.388                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1267        CFS-HRS=      382.71        ACRE-FT=      31.63

SUBROUTINE RUNOFF    CROSS SECTION 139
           AREA=   0.72     INPUT RUNOFF CURVE=  55.0     TIME OF CONCENTRATION=  2.40

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.42                        10.244                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1688        CFS-HRS=       78.42        ACRE-FT=       6.48
```

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SUBROUTINE ADDHYD     CROSS SECTION 139
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              20.54                       37.160                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1323      CFS-HRS=      461.13      ACRE-FT=      38.11

SUBROUTINE ADDHYD     CROSS SECTION 140
           INPUT HYDROGRAPHS= 4,7     OUTPUT HYDROGRAPH= 6

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              22.53                      152.819                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1512      CFS-HRS=     1626.50      ACRE-FT=     134.41

SUBROUTINE REACH      CROSS SECTION 141
           LENGTH=  2000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508     AVERAGE ROUTING COEFF= 0.4700     NUMBER OF ROUTINGS=  0.87

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              22.91                      152.083                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1512      CFS-HRS=     1626.51      ACRE-FT=     134.41

SUBROUTINE RUNOFF     CROSS SECTION 142
           AREA=   5.25     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.30

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.20                      556.771                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.8944      CFS-HRS=     3030.46      ACRE-FT=     250.44

SUBROUTINE ADDHYD     CROSS SECTION 143
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.24                      584.034                       (NULL)
              22.34                      241.938                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3292      CFS-HRS=     4656.96      ACRE-FT=     384.85
```

SUBROUTINE REACH CROSS SECTION 144
LENGTH= 1800.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 0.78

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.63	571.999	(NULL)
22.65	241.365	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 21.92

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.01	0.05	0.16	0.96	5.28	14.36
12.00	DISCHG	27.68	51.29	84.49	124.71	177.29	238.38	302.65	364.38	424.39	478.39
14.00	DISCHG	516.44	545.91	565.10	570.31	567.71	556.48	536.80	512.89	486.78	459.50
16.00	DISCHG	432.29	407.87	385.40	364.43	346.20	329.42	313.96	300.47	288.08	276.89
18.00	DISCHG	267.19	258.38	250.66	244.00	238.09	233.17	229.11	225.74	223.33	221.67
20.00	DISCHG	220.70	220.68	221.31	222.50	224.32	226.49	228.90	231.48	233.97	236.27
22.00	DISCHG	238.27	239.81	240.86	241.34	241.20	240.49	239.18	237.29	234.94	232.12
24.00	DISCHG	228.82	225.04	220.85	216.14	210.82	205.06	198.58	191.45	183.89	175.80
26.00	DISCHG	167.36	158.82	150.35	142.00	133.90	126.36	119.19	112.50	106.50	100.93
28.00	DISCHG	95.85	91.28	87.01	83.09	79.43	75.95	72.68	69.55	66.53	63.65
30.00	DISCHG	60.87	58.17	55.59	53.08	50.66	48.32	46.06	43.88	41.77	39.74
32.00	DISCHG	37.77	35.86	34.02	32.23	30.49	28.79	27.14	25.52	23.94	22.40
34.00	DISCHG	20.89	19.43	18.01	16.63	15.31	14.05	12.85	11.71	10.64	9.64
36.00	DISCHG	8.70	7.84	7.04	6.31	5.64	5.03	4.48	3.99	3.54	3.14
38.00	DISCHG	2.79	2.47	2.19	1.94	1.72	1.52	1.35	1.19	1.06	0.93
40.00	DISCHG	0.83	0.73	0.65	0.57	0.51	0.45	0.40	0.35	0.31	0.27
42.00	DISCHG	0.24	0.21	0.18	0.16	0.14	0.12	0.11	0.09	0.08	0.07
44.00	DISCHG	0.06	0.05	0.04	0.03	0.02	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3292 CFS-HRS= 4656.99 ACRE-FT= 384.85

SUBROUTINE ADDHYD CROSS SECTION 145
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.67	6845.701	(NULL)
19.16	6124.902	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 122.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

10.00	DISCHG	0.0	0.0	0.0	0.0	0.01	0.05	0.18	1.07	5.76	16.16
12.00	DISCHG	33.89	73.26	148.51	271.47	444.52	649.88	872.37	1116.15	1414.06	1793.23
14.00	DISCHG	2271.82	2869.85	3578.77	4356.68	5140.48	5837.96	6366.11	6688.39	6815.86	6795.04
16.00	DISCHG	6688.60	6554.29	6426.02	6317.60	6230.56	6159.82	6102.57	6059.06	6029.28	6013.87
18.00	DISCHG	6012.70	6024.11	6045.94	6073.63	6100.21	6119.12	6124.56	6112.18	6079.46	6025.04
20.00	DISCHG	5949.01	5852.60	5737.36	5605.88	5461.79	5308.92	5150.86	4990.48	4829.99	4671.32
22.00	DISCHG	4515.93	4364.61	4217.66	4075.03	3936.83	3803.64	3675.83	3553.52	3436.82	3325.72
24.00	DISCHG	3220.27	3120.33	3025.35	2934.25	2845.91	2759.81	2675.42	2592.80	2512.20	2433.29
26.00	DISCHG	2355.55	2278.09	2199.72	2119.04	2035.11	1947.81	1857.67	1766.50	1676.79	1590.40
28.00	DISCHG	1508.79	1432.57	1361.35	1294.56	1231.52	1171.56	1114.33	1059.56	1006.99	956.38
30.00	DISCHG	907.38	859.81	813.59	768.54	724.50	681.37	639.13	597.95	558.02	519.45
32.00	DISCHG	482.32	446.74	412.85	380.79	350.61	322.26	295.73	270.99	248.04	226.82
34.00	DISCHG	207.20	189.06	172.32	156.92	142.77	129.79	117.88	106.95	96.97	87.86
36.00	DISCHG	79.56	72.01	65.13	58.89	53.23	48.11	43.49	39.29	35.50	32.08
38.00	DISCHG	29.00	26.21	23.69	21.41	19.34	17.48	15.80	14.27	12.89	11.65
40.00	DISCHG	10.52	9.50	8.58	7.74	6.98	6.29	5.67	5.11	4.59	4.13
42.00	DISCHG	3.71	3.32	2.98	2.66	2.37	2.12	1.88	1.67	1.48	1.31
44.00	DISCHG	1.15	1.02	0.89	0.77	0.68	0.59	0.51	0.45	0.40	0.35
46.00	DISCHG	0.30	0.26	0.22	0.19	0.16	0.14	0.11	0.09	0.07	0.06
48.00	DISCHG	0.05	0.04	0.03	0.01	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.8787 CFS-HRS= 69227.50 ACRE-FT= 5720.96

SUBROUTINE REACH CROSS SECTION 146
LENGTH= 7000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.43

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.07	6771.375	(NULL)
19.51	6119.100	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.8787 CFS-HRS= 69227.56 ACRE-FT= 5720.96

SUBROUTINE RUNOFF CROSS SECTION 147
AREA= 3.07 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 5.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.60	12.672	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0742 CFS-HRS= 146.95 ACRE-FT= 12.14

SUBROUTINE RUNOFF CROSS SECTION 148
AREA= 0.69 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 1.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.69	3.406	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0742 CFS-HRS= 33.03 ACRE-FT= 2.73

SUBROUTINE ADDHYD CROSS SECTION 148
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.86	15.468	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0742 CFS-HRS= 179.98 ACRE-FT= 14.87

SUBROUTINE REACH CROSS SECTION 149
LENGTH= 29350.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 12.71

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
24.85	15.154	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0742 CFS-HRS= 179.97 ACRE-FT= 14.87

SUBROUTINE RUNOFF CROSS SECTION 150
AREA= 5.93 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 5.60

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.24	29.062	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0903 CFS-HRS= 345.43 ACRE-FT= 28.55

SUBROUTINE ADDHYD CROSS SECTION 151
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
23.10	40.043	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 9.69

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.13
12.00	DISCHG	0.22	0.32	0.41	0.72	1.17	1.62	2.08	2.53	3.44	4.46
14.00	DISCHG	5.48	6.51	7.53	8.98	10.43	11.88	13.32	14.76	16.13	17.51
16.00	DISCHG	18.90	20.29	21.54	22.59	23.65	24.75	25.88	26.76	27.50	28.29
18.00	DISCHG	29.13	30.02	30.66	31.26	31.91	32.60	33.32	33.86	34.43	35.01
20.00	DISCHG	35.59	36.16	36.64	37.10	37.55	37.98	38.37	38.70	39.01	39.28

22.00	DISCHG	39.51	39.70	39.84	39.94	40.01	40.04	40.04	40.01	39.94	39.85
24.00	DISCHG	39.73	39.48	39.20	38.91	38.59	38.21	37.64	37.05	36.44	35.83
26.00	DISCHG	35.10	34.18	33.26	32.33	31.40	30.42	29.41	28.40	27.39	26.37
28.00	DISCHG	25.44	24.53	23.60	22.66	21.70	20.91	20.10	19.26	18.40	17.54
30.00	DISCHG	16.84	16.11	15.35	14.57	13.82	13.14	12.44	11.73	11.02	10.35
32.00	DISCHG	9.72	9.09	8.47	7.86	7.31	6.78	6.27	5.78	5.30	4.89
34.00	DISCHG	4.49	4.11	3.76	3.43	3.14	2.86	2.61	2.37	2.16	1.97
36.00	DISCHG	1.79	1.63	1.48	1.34	1.22	1.11	1.01	0.91	0.83	0.75
38.00	DISCHG	0.68	0.61	0.55	0.50	0.45	0.41	0.37	0.33	0.30	0.27
40.00	DISCHG	0.24	0.22	0.19	0.17	0.15	0.14	0.12	0.11	0.09	0.08
42.00	DISCHG	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02
44.00	DISCHG	0.02	0.01	0.01	0.0						

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0840 CFS-HRS= 525.40 ACRE-FT= 43.42

SUBROUTINE ADDHYD CROSS SECTION 152
INPUT HYDROGRAPHS= 7,3 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.08	6790.803	(NULL)
19.52	6153.285	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.8203 CFS-HRS= 69752.81 ACRE-FT= 5764.37

SUBROUTINE REACH CROSS SECTION 153
LENGTH= 20000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 4.08

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.25	6675.787	(NULL)
20.55	6141.211	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.8203 CFS-HRS= 69752.69 ACRE-FT= 5764.36

SUBROUTINE RUNOFF CROSS SECTION 154
AREA= 1.03 INPUT RUNOFF CURVE= 68.0 TIME OF CONCENTRATION= 1.70

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.17	99.009	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5748 CFS-HRS= 382.08 ACRE-FT= 31.58

SUBROUTINE ADDHYD CROSS SECTION 155
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.25	6697.209	(NULL)
20.54	6155.324	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 132.79

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.51	5.14
12.00	DISCHG	13.92	29.92	51.92	73.93	93.67	106.92	121.36	143.26	181.72	252.34
14.00	DISCHG	361.17	508.41	688.31	899.85	1151.50	1458.58	1839.94	2312.58	2882.28	3536.69
16.00	DISCHG	4241.27	4940.70	5570.91	6077.31	6429.61	6627.08	6694.58	6670.87	6595.40	6499.45
18.00	DISCHG	6402.82	6315.25	6240.41	6179.32	6132.30	6099.43	6080.54	6075.02	6081.39	6096.91
20.00	DISCHG	6117.34	6137.39	6151.53	6154.68	6142.71	6112.69	6062.93	5993.00	5903.45	5795.78
22.00	DISCHG	5672.27	5535.84	5389.70	5237.01	5080.58	4922.86	4765.84	4611.07	4459.52	4311.82
24.00	DISCHG	4168.23	4029.08	3894.43	3764.62	3639.90	3520.37	3406.37	3297.90	3194.82	3096.61
26.00	DISCHG	3002.41	2911.50	2823.26	2737.26	2653.29	2571.11	2490.38	2410.58	2330.93	2250.43
28.00	DISCHG	2168.12	2083.36	1996.05	1906.83	1817.02	1728.21	1641.97	1559.45	1481.29	1407.65
30.00	DISCHG	1338.29	1272.75	1210.57	1151.33	1094.74	1040.48	988.25	937.78	888.88	841.37
32.00	DISCHG	795.11	749.94	705.80	662.69	620.71	579.95	540.52	502.52	466.09	431.34
34.00	DISCHG	398.36	367.20	337.86	310.37	284.70	260.83	238.67	218.15	199.17	181.66
36.00	DISCHG	165.53	150.69	137.05	124.54	113.07	102.58	92.99	84.25	76.28	69.03
38.00	DISCHG	62.44	56.47	51.05	46.14	41.70	37.69	34.06	30.79	27.82	25.15
40.00	DISCHG	22.72	20.53	18.56	16.77	15.15	13.68	12.36	11.16	10.08	9.09
42.00	DISCHG	8.21	7.40	6.67	6.01	5.41	4.87	4.37	3.93	3.52	3.15
44.00	DISCHG	2.82	2.52	2.25	2.00	1.78	1.57	1.39	1.22	1.07	0.94
46.00	DISCHG	0.82	0.72	0.63	0.55	0.48	0.42	0.37	0.32	0.28	0.24
48.00	DISCHG	0.20	0.17	0.15	0.12	0.10	0.08	0.07	0.05	0.04	0.03
50.00	DISCHG	0.02	0.01	0.0							

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.8184 CFS-HRS= 70134.75 ACRE-FT= 5795.93

SUBROUTINE RUNOFF CROSS SECTION 156
AREA= 15.90 INPUT RUNOFF CURVE= 54.0 TIME OF CONCENTRATION= 3.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.13	153.805	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1470 CFS-HRS= 1508.84 ACRE-FT= 124.69

SUBROUTINE REACH CROSS SECTION 157
LENGTH= 46000.00 INPUT COEFFICIENT= 0.7000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 3.967 AVERAGE ROUTING COEFF= 0.7000 NUMBER OF ROUTINGS= 11.27

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS

```
    19.39                    151.283                    (NULL)

  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1470      CFS-HRS=     1508.83      ACRE-FT=     124.69

SUBROUTINE RUNOFF    CROSS SECTION 158
  AREA=   4.70     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  3.20

  PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
    15.77                       39.920                      (RUNOFF)

  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1267      CFS-HRS=      384.35      ACRE-FT=      31.76

SUBROUTINE ADDHYD    CROSS SECTION 158
  INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

  PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
    19.25                       181.854                      (NULL)

  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1424      CFS-HRS=     1893.15      ACRE-FT=     156.45
```

```
                                                                                                PASS=  1
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT 159/  0     TO XSECTN/STRUCT 174/  0
      STARTING TIME=  0.0      RAIN DEPTH=  2.85     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
      ALTERNATE NO.= 3         STORM NO.= 1

SUBROUTINE RUNOFF    CROSS SECTION 159
      AREA=   7.90     INPUT RUNOFF CURVE=  58.0     TIME OF CONCENTRATION=  4.30

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        16.12                        128.495                        (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2269        CFS-HRS=     1156.87        ACRE-FT=      95.60

SUBROUTINE RUNOFF    CROSS SECTION 160
      AREA=   9.00     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.70

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        13.80                        916.667                        (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7657        CFS-HRS=     4447.26        ACRE-FT=     367.52

SUBROUTINE ADDHYD    CROSS SECTION 161
      INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        13.88                        986.861                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5138        CFS-HRS=     5604.12        ACRE-FT=     463.12

SUBROUTINE REACH     CROSS SECTION 162
      LENGTH=   8800.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

      AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  3.81

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        15.58                        890.148                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5136        CFS-HRS=     5601.33        ACRE-FT=     462.89

SUBROUTINE RUNOFF    CROSS SECTION 163
      AREA=  16.60     INPUT RUNOFF CURVE=  65.0     TIME OF CONCENTRATION=  3.80

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        14.99                        675.307                        (RUNOFF)
```

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4384 CFS-HRS= 4696.42 ACRE-FT= 388.11

SUBROUTINE ADDHYD CROSS SECTION 164
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.43	1531.389	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4763 CFS-HRS= 10297.79 ACRE-FT= 851.01

SUBROUTINE REACH CROSS SECTION 165
LENGTH= 5200.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 2.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.37	1473.312	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4763 CFS-HRS= 10297.78 ACRE-FT= 851.01

SUBROUTINE RUNOFF CROSS SECTION 166
AREA= 6.00 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 2.50

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.77	379.319	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5111 CFS-HRS= 1979.02 ACRE-FT= 163.55

SUBROUTINE ADDHYD CROSS SECTION 167
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.27	1645.339	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 39.50

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.40	18.79
12.00	DISCHG	35.42	79.45	127.09	196.87	274.11	345.56	421.81	492.38	564.33	642.95
14.00	DISCHG	726.26	820.97	916.86	1022.72	1136.45	1247.88	1355.50	1451.32	1531.84	1591.56
16.00	DISCHG	1631.24	1648.93	1645.56	1623.44	1586.59	1539.56	1485.21	1427.23	1367.25	1307.94
18.00	DISCHG	1249.28	1192.98	1138.84	1087.34	1038.49	992.65	949.58	909.40	872.04	837.30
20.00	DISCHG	805.04	775.14	747.62	721.89	697.98	675.62	654.74	635.11	616.81	599.58

22.00	DISCHG	583.54	568.53	554.39	541.04	528.43	516.49	505.19	494.49	484.36	474.76
24.00	DISCHG	465.60	456.34	447.41	437.42	427.25	415.79	403.71	391.00	377.60	363.98
26.00	DISCHG	349.94	335.27	320.45	304.82	289.29	272.77	256.11	238.80	221.40	203.75
28.00	DISCHG	186.41	169.49	153.13	137.66	123.23	109.91	97.68	86.61	76.58	67.59
30.00	DISCHG	59.53	52.37	45.99	40.35	35.38	31.00	27.15	23.78	20.82	18.23
32.00	DISCHG	15.97	13.99	12.26	10.74	9.41	8.24	7.22	6.32	5.52	4.82
34.00	DISCHG	4.21	3.67	3.20	2.78	2.42	2.10	1.83	1.58	1.37	1.18
36.00	DISCHG	1.02	0.87	0.75	0.64	0.54	0.46	0.39	0.34	0.29	0.25
38.00	DISCHG	0.21	0.18	0.15	0.13	0.11	0.09	0.08	0.06	0.05	0.04
40.00	DISCHG	0.03	0.02	0.01	0.01	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4816 CFS-HRS= 12276.83 ACRE-FT= 1014.56

SUBROUTINE REACH CROSS SECTION 168
LENGTH= 21000.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 9.09

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.23	1484.057	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4816 CFS-HRS= 12276.13 ACRE-FT= 1014.50

SUBROUTINE RUNOFF CROSS SECTION 169
AREA= 3.90 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 4.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.62	15.104	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0665 CFS-HRS= 167.29 ACRE-FT= 13.82

SUBROUTINE ADDHYD CROSS SECTION 169
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.23	1498.696	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4443 CFS-HRS= 12443.41 ACRE-FT= 1028.32

SUBROUTINE RUNOFF CROSS SECTION 170
AREA= 13.90 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.31	1750.079	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7659 CFS-HRS= 6870.67 ACRE-FT= 567.79

```
SUBROUTINE ADDHYD    CROSS SECTION 171
           INPUT HYDROGRAPHS= 2,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              13.31                      1751.085                   (NULL)
              20.14                      1738.041                   (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5223      CFS-HRS=    19314.11      ACRE-FT=    1596.12

SUBROUTINE REACH     CROSS SECTION 172
           LENGTH=  16000.00     INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  6.93

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              16.34                      1314.703                   (NULL)
              23.13                      1656.146                   (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5221      CFS-HRS=    19305.25      ACRE-FT=    1595.39

SUBROUTINE RUNOFF    CROSS SECTION 173
           AREA=   8.30    INPUT RUNOFF CURVE=  79.0    TIME OF CONCENTRATION=  1.40

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              12.78                      2085.466                   (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   1.0769      CFS-HRS=     5768.49      ACRE-FT=     476.71

SUBROUTINE ADDHYD    CROSS SECTION 174
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              12.78                      2085.506                   (NULL)
              16.21                      1609.847                   (NULL)
              23.06                      1784.719                   (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5923      CFS-HRS=    25073.75      ACRE-FT=    2072.09
```

PASS= 1

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 175/ 0 TO XSECTN/STRUCT 190/ 0
STARTING TIME= 0.0 RAIN DEPTH= 2.80 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 1

SUBROUTINE RUNOFF CROSS SECTION 175
AREA= 2.60 INPUT RUNOFF CURVE= 53.0 TIME OF CONCENTRATION= 3.20

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.03	17.920	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1063 CFS-HRS= 178.33 ACRE-FT= 14.74

SUBROUTINE ADDHYD CROSS SECTION 176
INPUT HYDROGRAPHS= 2,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.78	2087.427	(NULL)
16.21	1627.663	(NULL)
23.05	1796.120	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 68.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.08	0.49	1.73	4.57	11.09	22.49	42.26	103.37	264.90
12.00	DISCHG	608.69	1164.07	1685.28	2004.52	2086.92	1972.04	1719.09	1437.29	1224.25	1066.51
14.00	DISCHG	960.43	906.82	905.01	953.62	1039.68	1150.23	1271.57	1389.54	1491.75	1569.65
16.00	DISCHG	1616.85	1632.40	1619.61	1584.07	1532.34	1470.03	1401.85	1332.11	1264.26	1201.04
18.00	DISCHG	1144.64	1096.24	1057.25	1028.36	1010.10	1002.83	1006.62	1021.30	1045.64	1078.37
20.00	DISCHG	1118.25	1164.19	1215.44	1271.16	1329.88	1390.18	1450.85	1510.79	1569.02	1623.92
22.00	DISCHG	1673.03	1714.90	1748.57	1773.47	1789.28	1795.82	1793.82	1784.42	1768.57	1746.84
24.00	DISCHG	1719.40	1683.77	1639.23	1586.18	1527.31	1466.32	1406.45	1350.15	1297.68	1248.31
26.00	DISCHG	1201.50	1156.88	1114.17	1073.05	1032.91	993.53	954.67	916.22	878.40	841.32
28.00	DISCHG	805.24	770.56	737.48	706.27	677.11	649.98	624.90	601.79	580.50	560.87
30.00	DISCHG	542.69	525.76	509.89	494.85	480.47	466.57	452.99	439.60	426.27	412.92
32.00	DISCHG	399.45	385.80	371.92	357.80	343.40	328.73	313.81	298.67	283.36	267.94
34.00	DISCHG	252.47	237.04	221.74	206.66	191.89	177.50	163.59	150.21	137.44	125.32
36.00	DISCHG	113.89	103.17	93.17	83.89	75.33	67.47	60.28	53.74	47.81	42.46
38.00	DISCHG	37.64	33.31	29.44	25.98	22.91	20.18	17.75	15.61	13.71	12.04
40.00	DISCHG	10.56	9.26	8.12	7.11	6.22	5.44	4.76	4.16	3.63	3.16
42.00	DISCHG	2.76	2.40	2.09	1.81	1.58	1.37	1.18	1.02	0.88	0.76
44.00	DISCHG	0.66	0.57	0.49	0.42	0.36	0.31	0.26	0.22	0.19	0.16
46.00	DISCHG	0.14	0.11	0.09	0.08	0.06	0.05	0.04	0.03	0.02	0.02
48.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5737 CFS-HRS= 25252.08 ACRE-FT= 2086.83

SUBROUTINE REACH CROSS SECTION 177
LENGTH= 18300.00 INPUT COEFFICIENT= 0.5700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.253 AVERAGE ROUTING COEFF= 0.5700 NUMBER OF ROUTINGS= 6.43

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.08	1554.751	(NULL)
18.49	1533.506	(NULL)
25.34	1762.257	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5737 CFS-HRS= 25251.35 ACRE-FT= 2086.77

SUBROUTINE ADDHYD CROSS SECTION 178
INPUT HYDROGRAPHS= 5,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.09	1596.898	(NULL)
18.53	1708.572	(NULL)
25.27	1875.137	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4736 CFS-HRS= 27144.08 ACRE-FT= 2243.19

SUBROUTINE REACH CROSS SECTION 179
LENGTH= 7000.00 INPUT COEFFICIENT= 0.7000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 3.967 AVERAGE ROUTING COEFF= 0.7000 NUMBER OF ROUTINGS= 1.72

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.60	1562.453	(NULL)
19.03	1697.644	(NULL)
25.76	1870.647	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4736 CFS-HRS= 27144.04 ACRE-FT= 2243.18

SUBROUTINE RUNOFF CROSS SECTION 180
AREA= 16.50 INPUT RUNOFF CURVE= 54.0 TIME OF CONCENTRATION= 2.60

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.12	147.278	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1248 CFS-HRS= 1328.84 ACRE-FT= 109.82

SUBROUTINE ADDHYD CROSS SECTION 181

INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.60	1707.634	(NULL)
19.00	1801.141	(NULL)
25.60	1910.989	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 105.30

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	1.00
12.00	DISCHG	2.00	6.57	12.09	22.21	35.85	52.82	76.15	105.76	148.50	219.07
14.00	DISCHG	328.83	492.66	705.26	951.03	1199.78	1418.25	1581.90	1675.93	1702.64	1673.03
16.00	DISCHG	1606.07	1521.39	1437.48	1368.69	1324.68	1310.24	1325.66	1367.30	1429.23	1503.17
18.00	DISCHG	1580.86	1654.22	1716.64	1763.38	1791.78	1801.14	1792.44	1768.01	1730.64	1684.00
20.00	DISCHG	1631.22	1575.70	1520.27	1467.42	1419.27	1377.54	1343.59	1318.28	1302.26	1295.60
22.00	DISCHG	1298.44	1310.18	1330.22	1357.82	1392.02	1431.83	1476.28	1524.26	1574.62	1626.04
24.00	DISCHG	1677.29	1726.47	1772.49	1813.51	1848.09	1875.97	1895.27	1907.10	1910.99	1907.26
26.00	DISCHG	1896.66	1878.91	1854.54	1823.59	1786.11	1743.31	1695.23	1643.90	1589.93	1535.00
28.00	DISCHG	1479.94	1425.61	1372.44	1320.66	1270.39	1221.45	1173.87	1127.35	1081.90	1037.39
30.00	DISCHG	993.85	951.36	910.03	870.05	831.60	794.88	760.02	727.16	696.36	667.64
32.00	DISCHG	640.94	616.18	593.23	571.93	552.10	533.56	516.12	499.59	483.81	468.60
34.00	DISCHG	453.82	439.33	425.02	410.78	396.54	382.23	367.81	353.23	338.48	323.57
36.00	DISCHG	308.52	293.35	278.10	262.84	247.62	232.52	217.60	202.94	188.63	174.71
38.00	DISCHG	161.27	148.36	136.03	124.31	113.25	102.85	93.13	84.09	75.72	68.01
40.00	DISCHG	60.93	54.47	48.59	43.26	38.45	34.11	30.22	26.73	23.62	20.84
42.00	DISCHG	18.37	16.17	14.23	12.51	10.99	9.64	8.46	7.41	6.49	5.68
44.00	DISCHG	4.97	4.34	3.79	3.31	2.89	2.52	2.19	1.91	1.66	1.44
46.00	DISCHG	1.25	1.08	0.93	0.81	0.70	0.60	0.52	0.45	0.38	0.33
48.00	DISCHG	0.28	0.24	0.20	0.17	0.15	0.12	0.10	0.09	0.07	0.06
50.00	DISCHG	0.05	0.04	0.03	0.02	0.01	0.0				

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4190 CFS-HRS= 28472.79 ACRE-FT= 2352.99

SUBROUTINE ADDHYD CROSS SECTION 182
INPUT HYDROGRAPHS= 3,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.41	8038.251	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 238.09

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.57	0.13
12.00	DISCHG	15.33	36.49	64.01	96.14	129.52	159.74	197.51	249.02	330.22	471.41
14.00	DISCHG	690.00	1001.06	1393.57	1850.88	2351.28	2876.83	3421.84	3988.51	4584.91	5209.72
16.00	DISCHG	5847.33	6462.08	7008.38	7446.00	7754.28	7937.32	8020.23	8038.17	8024.63	8002.62
18.00	DISCHG	7983.68	7969.47	7957.05	7942.70	7924.07	7900.56	7872.98	7843.04	7812.03	7780.91
20.00	DISCHG	7748.57	7713.09	7671.80	7622.10	7561.98	7490.23	7406.51	7311.27	7205.70	7091.38
22.00	DISCHG	6970.70	6846.02	6719.93	6594.82	6472.60	6354.70	6242.13	6135.32	6034.13	5937.86
24.00	DISCHG	5845.52	5755.55	5666.92	5578.13	5487.98	5396.34	5301.64	5204.99	5105.80	5003.87
26.00	DISCHG	4899.07	4790.41	4677.80	4560.85	4439.39	4314.41	4185.60	4054.47	3920.86	3785.43
28.00	DISCHG	3648.06	3508.97	3368.49	3227.49	3087.41	2949.66	2815.83	2686.80	2563.19	2445.04
30.00	DISCHG	2332.14	2224.11	2120.60	2021.38	1926.34	1835.36	1748.27	1664.95	1585.24	1509.01
32.00	DISCHG	1436.05	1366.12	1299.03	1234.62	1172.81	1113.51	1056.64	1002.12	949.90	899.94
34.00	DISCHG	852.18	806.53	762.88	721.16	681.25	643.06	606.48	571.37	537.66	505.24
36.00	DISCHG	474.05	444.04	415.16	387.38	360.69	335.09	310.59	287.19	264.91	243.74
38.00	DISCHG	223.72	204.83	187.08	170.46	154.95	140.54	127.19	114.87	103.54	93.15
40.00	DISCHG	83.66	75.01	67.15	60.03	53.60	47.80	42.58	37.89	33.69	29.93
42.00	DISCHG	26.57	23.57	20.90	18.52	16.39	14.51	12.83	11.34	10.01	8.84
44.00	DISCHG	7.79	6.86	6.04	5.31	4.66	4.09	3.58	3.13	2.73	2.38
46.00	DISCHG	2.07	1.80	1.56	1.36	1.18	1.02	0.88	0.76	0.66	0.57
48.00	DISCHG	0.48	0.41	0.35	0.29	0.25	0.21	0.17	0.14	0.11	0.09
50.00	DISCHG	0.06	0.04	0.03	0.02	0.01	0.0				

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6417 CFS-HRS= 98608.00 ACRE-FT= 8148.96

SUBROUTINE REACH CROSS SECTION 183
LENGTH= 12000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 2.45

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.18	8013.504	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6417 CFS-HRS= 98607.75 ACRE-FT= 8148.94

SUBROUTINE RESVOR STRUCTURE 2
SURFACE ELEVATION= 50.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.18	8013.504	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 238.09

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02
12.00	DISCHG	0.19	1.98	7.08	17.98	36.40	61.53	91.26	122.40	155.32	194.81

14.00	DISCHG	249.57	336.48	476.49	688.39	981.43	1351.86	1786.59	2268.30	2782.48	3321.68
16.00	DISCHG	3885.80	4476.97	5091.69	5713.93	6313.49	6852.42	7296.46	7625.80	7840.35	7957.76
18.00	DISCHG	8005.89	8013.44	8002.96	7987.89	7973.41	7959.54	7944.25	7925.71	7903.14	7876.93
20.00	DISCHG	7848.15	7817.96	7786.81	7754.07	7718.11	7676.71	7627.54	7568.68	7498.85	7417.55
22.00	DISCHG	7325.04	7222.26	7110.76	6992.58	6870.03	6745.53	6621.37	6499.47	6381.38	6268.14
24.00	DISCHG	6160.27	6057.75	5960.07	5866.27	5775.19	5685.58	5596.13	5505.91	5414.01	5319.95
26.00	DISCHG	5223.63	5124.84	5023.38	4918.85	4810.78	4698.80	4582.60	4462.30	4338.11	4210.51
28.00	DISCHG	4080.07	3947.22	3812.26	3675.37	3536.77	3396.90	3256.58	3117.02	2979.58	2845.57
30.00	DISCHG	2716.00	2591.47	2472.21	2358.10	2248.90	2144.31	2044.11	1948.13	1856.23	1768.27
32.00	DISCHG	1684.09	1603.57	1526.53	1452.78	1382.11	1314.34	1249.31	1186.92	1127.05	1069.64
34.00	DISCHG	1014.60	961.88	911.42	863.17	817.04	772.93	730.76	690.42	651.82	614.85
36.00	DISCHG	579.38	545.33	512.60	481.12	450.84	421.71	393.69	366.77	340.95	316.22
38.00	DISCHG	292.60	270.09	248.71	228.45	209.33	191.34	174.48	158.74	144.09	130.50
40.00	DISCHG	117.95	106.40	95.79	86.08	77.23	69.18	61.88	55.28	49.32	43.96
42.00	DISCHG	39.13	34.81	30.94	27.47	24.38	21.62	19.16	16.97	15.02	13.28
44.00	DISCHG	11.74	10.37	9.16	8.08	7.12	6.26	5.51	4.84	4.25	3.72
46.00	DISCHG	3.25	2.84	2.47	2.15	1.87	1.63	1.41	1.23	1.06	0.92
48.00	DISCHG	0.80	0.69	0.59	0.51	0.43	0.37	0.31	0.26	0.22	0.18
50.00	DISCHG	0.15	0.12	0.09	0.07	0.05	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6417 CFS-HRS= 98607.75 ACRE-FT= 8148.94

SUBROUTINE RUNOFF CROSS SECTION 184
AREA= 13.80 INPUT RUNOFF CURVE= 82.0 TIME OF CONCENTRATION= 3.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.88	2249.095	(RUNOFF)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 13.80

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.08	0.21	0.75
10.00	DISCHG	1.29	2.77	5.14	7.50	13.95	21.08	34.66	74.08	113.50	210.34
12.00	DISCHG	355.52	500.71	747.88	1008.22	1271.39	1544.07	1816.75	2001.59	2120.55	2239.50
14.00	DISCHG	2223.34	2194.50	2142.23	2022.24	1902.25	1765.66	1618.00	1470.34	1360.90	1253.78
16.00	DISCHG	1154.64	1075.48	996.32	927.94	865.93	803.91	756.63	709.77	666.47	630.92
18.00	DISCHG	595.37	565.46	538.49	511.52	490.03	468.55	448.45	431.03	413.61	398.69
20.00	DISCHG	384.92	371.23	360.24	349.25	338.86	329.50	320.14	311.53	303.23	295.00
22.00	DISCHG	288.07	281.14	274.93	269.79	264.65	259.94	255.38	250.84	246.59	242.34
24.00	DISCHG	237.58	232.15	226.73	218.43	209.27	199.57	185.57	171.57	156.81	141.16
26.00	DISCHG	125.50	111.01	96.82	83.09	72.17	61.24	52.17	45.06	37.95	32.89
28.00	DISCHG	28.26	23.88	20.75	17.63	15.04	12.96	10.88	9.40	8.02	6.73
30.00	DISCHG	5.83	4.92	4.18	3.58	2.98	2.55	2.14	1.76	1.49	1.23
32.00	DISCHG	1.01	0.83	0.66	0.54	0.42	0.31	0.23	0.15	0.10	0.06
34.00	DISCHG	0.02	0.01	0.0							

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.2210 CFS-HRS= 10874.71 ACRE-FT= 898.69

SUBROUTINE ADDHYD CROSS SECTION 185
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.97	8601.603	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 251.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.08	0.21	0.75
10.00	DISCHG	1.29	2.77	5.14	7.50	13.95	21.08	34.66	74.08	113.50	210.36
12.00	DISCHG	355.71	502.69	754.96	1026.20	1307.78	1605.60	1908.01	2123.99	2275.86	2434.31
14.00	DISCHG	2472.91	2530.99	2618.72	2710.63	2883.68	3117.52	3404.59	3738.65	4143.38	4575.46
16.00	DISCHG	5040.44	5552.45	6088.01	6641.86	7179.41	7656.33	8053.09	8335.57	8506.82	8588.68
18.00	DISCHG	8601.26	8578.90	8541.45	8499.41	8463.44	8428.08	8392.70	8356.74	8316.75	8275.62
20.00	DISCHG	8233.07	8189.19	8147.05	8103.32	8056.97	8006.21	7947.68	7880.21	7802.07	7712.54
22.00	DISCHG	7613.11	7503.40	7385.69	7262.37	7134.68	7005.47	6876.74	6750.31	6627.96	6510.47
24.00	DISCHG	6397.85	6289.91	6186.80	6084.70	5984.46	5885.14	5781.70	5677.48	5570.82	5461.11
26.00	DISCHG	5349.13	5235.84	5120.19	5001.94	4882.94	4760.04	4634.77	4507.36	4376.06	4243.40
28.00	DISCHG	4108.33	3971.09	3833.01	3693.00	3551.81	3409.86	3267.46	3126.42	2987.60	2852.30
30.00	DISCHG	2721.83	2596.40	2476.39	2361.68	2251.87	2146.85	2046.25	1949.89	1857.73	1769.49
32.00	DISCHG	1685.10	1604.40	1527.19	1453.32	1382.53	1314.65	1249.55	1187.07	1127.15	1069.70
34.00	DISCHG	1014.61	961.89	911.42	863.17	817.04	772.93	730.76	690.42	651.82	614.85
36.00	DISCHG	579.38	545.33	512.60	481.12	450.84	421.71	393.69	366.77	340.95	316.22
38.00	DISCHG	292.60	270.09	248.71	228.45	209.33	191.34	174.48	158.74	144.09	130.50
40.00	DISCHG	117.95	106.40	95.79	86.08	77.23	69.18	61.88	55.28	49.32	43.96
42.00	DISCHG	39.13	34.81	30.94	27.47	24.38	21.62	19.16	16.97	15.02	13.28
44.00	DISCHG	11.74	10.37	9.16	8.08	7.12	6.26	5.51	4.84	4.25	3.72
46.00	DISCHG	3.25	2.84	2.47	2.15	1.87	1.63	1.41	1.23	1.06	0.92
48.00	DISCHG	0.80	0.69	0.59	0.51	0.43	0.37	0.31	0.26	0.22	0.18
50.00	DISCHG	0.15	0.12	0.09	0.07	0.05	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6735 CFS-HRS= 109482.44 ACRE-FT= 9047.63

SUBROUTINE REACH CROSS SECTION 186
LENGTH= 22400.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 4.58

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.32	8550.941	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6735 CFS-HRS= 109482.69 ACRE-FT= 9047.65

SUBROUTINE RUNOFF CROSS SECTION 187
AREA= 5.00 INPUT RUNOFF CURVE= 81.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.57	1628.505	(RUNOFF)
21.78	87.961	(RUNOFF)
23.77	75.327	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 1.1602 CFS-HRS= 3743.85 ACRE-FT= 309.39

SUBROUTINE ADDHYD CROSS SECTION 190
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.61	1712.857	(NULL)
19.31	8658.668	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 256.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06
10.00	DISCHG	0.45	1.74	4.47	9.14	16.15	26.10	40.36	60.71	117.18	298.62
12.00	DISCHG	687.83	1194.84	1586.13	1708.48	1615.62	1448.11	1330.88	1329.56	1411.10	1558.28
14.00	DISCHG	1753.89	1972.03	2179.82	2360.24	2506.32	2609.41	2685.16	2754.27	2836.05	2953.34
16.00	DISCHG	3119.06	3337.79	3611.84	3941.21	4319.60	4741.74	5204.24	5700.64	6219.90	6742.20
18.00	DISCHG	7240.52	7686.32	8053.85	8328.80	8511.40	8613.55	8655.03	8656.55	8635.50	8603.95
20.00	DISCHG	8567.88	8530.16	8491.68	8452.04	8410.71	8367.39	8323.02	8279.23	8235.96	8191.36
22.00	DISCHG	8142.81	8088.26	8026.47	7956.08	7875.80	7784.72	7683.64	7574.71	7459.57	7338.80
24.00	DISCHG	7212.93	7082.06	6946.60	6809.01	6673.96	6545.02	6423.90	6310.00	6201.32	6096.28
26.00	DISCHG	5993.21	5890.34	5786.66	5681.43	5574.12	5464.66	5353.16	5239.58	5123.96	5006.32
28.00	DISCHG	4886.31	4763.82	4638.72	4510.92	4380.63	4248.01	4113.28	3976.76	3838.60	3699.00
30.00	DISCHG	3558.26	3416.89	3275.71	3135.73	2998.06	2863.79	2733.76	2608.51	2488.31	2373.14
32.00	DISCHG	2262.88	2157.33	2056.27	1959.54	1866.95	1778.36	1693.60	1612.52	1534.94	1460.67
34.00	DISCHG	1389.51	1321.31	1255.91	1193.18	1133.02	1075.34	1020.07	967.15	916.49	868.04
36.00	DISCHG	821.70	777.39	735.01	694.47	655.67	618.49	582.83	548.61	515.72	484.11
38.00	DISCHG	453.71	424.47	396.37	369.38	343.49	318.71	295.04	272.48	251.04	230.73
40.00	DISCHG	211.55	193.50	176.57	160.75	146.02	132.34	119.70	108.05	97.34	87.54
42.00	DISCHG	78.59	70.44	63.05	56.35	50.30	44.85	39.95	35.55	31.60	28.08
44.00	DISCHG	24.92	22.11	19.60	17.36	15.37	13.60	12.02	10.62	9.38	8.27
46.00	DISCHG	7.29	6.42	5.65	4.96	4.35	3.82	3.34	2.92	2.54	2.22
48.00	DISCHG	1.93	1.68	1.46	1.27	1.10	0.95	0.82	0.71	0.61	0.52
50.00	DISCHG	0.45	0.38	0.32	0.27	0.23	0.19	0.15	0.12	0.10	0.07
52.00	DISCHG	0.05	0.04	0.03	0.01	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6830 CFS-HRS= 113226.63 ACRE-FT= 9357.05

ENDCMP

SCS STORM 2 T

```
                                                                                                PASS=  2
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT   1/  0     TO XSECTN/STRUCT   5/  0
        STARTING TIME=  0.0     RAIN DEPTH=  2.70     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 2

SUBROUTINE RUNOFF    CROSS SECTION   1
          AREA=  3.00    INPUT RUNOFF CURVE=  72.0    TIME OF CONCENTRATION=  0.80

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             12.43                     559.457                      (RUNOFF)
             21.75                      37.398                      (RUNOFF)
             23.74                      32.298                      (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6349      CFS-HRS=     1229.21      ACRE-FT=     101.58

SUBROUTINE REACH     CROSS SECTION   2
          LENGTH=   7000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500      NUMBER OF ROUTINGS=  1.43

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             12.82                     509.056                      (NULL)
             22.07                      37.067                      (NULL)
             24.05                      32.015                      (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6348      CFS-HRS=     1228.96      ACRE-FT=     101.56

SUBROUTINE RUNOFF    CROSS SECTION   3
          AREA=  2.58    INPUT RUNOFF CURVE=  74.0    TIME OF CONCENTRATION=  1.00

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             12.54                     496.208                      (RUNOFF)
             21.79                      34.380                      (RUNOFF)
             23.80                      29.719                      (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7210      CFS-HRS=     1200.46      ACRE-FT=      99.21

SUBROUTINE ADDHYD    CROSS SECTION   4
          INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             12.70                     958.907                      (NULL)
             21.94                      71.181                      (NULL)
             23.91                      61.630                      (NULL)

     TIME                        HYDROGRAPH, TZERO=  0.0     DELTA T= 0.20     DRAINAGE AREA=  5.58
```

0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	7.13	51.02
12.00	DISCHG	194.67	467.17	766.85	943.32	943.42	818.80	669.82	541.40	440.66	366.96
14.00	DISCHG	312.83	272.67	242.31	219.24	201.34	187.15	175.85	166.75	158.68	151.18
16.00	DISCHG	143.90	136.83	130.24	124.51	119.96	116.73	114.51	112.68	110.59	107.59
18.00	DISCHG	104.90	101.56	98.01	94.39	91.06	88.40	86.64	85.65	85.05	84.38
20.00	DISCHG	83.15	81.28	79.22	77.48	75.94	74.18	72.20	70.73	70.43	70.94
22.00	DISCHG	71.14	70.39	69.00	67.62	66.31	64.58	62.58	61.08	60.77	61.29
24.00	DISCHG	61.43	59.43	53.81	43.96	31.84	20.46	12.29	7.26	4.22	2.43
26.00	DISCHG	1.39	0.78	0.42	0.21	0.10	0.02	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6746 CFS-HRS= 2429.40 ACRE-FT= 200.77

SUBROUTINE REACH CROSS SECTION 5
LENGTH= 2700.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.55

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.85	933.036	(NULL)
22.03	70.993	(NULL)
23.96	61.332	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6746 CFS-HRS= 2429.52 ACRE-FT= 200.78

$\frac{27.2}{1.6}$

PASS= 2

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 6/ 0 TO XSECTN/STRUCT 37/ 0
STARTING TIME= 0.0 RAIN DEPTH= 2.60 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 2

SUBROUTINE RUNOFF CROSS SECTION 6
AREA= 1.58 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 1.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.54	299.699	(RUNOFF)
21.79	20.485	(RUNOFF)
23.80	17.703	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7069 CFS-HRS= 720.77 ACRE-FT= 59.56

SUBROUTINE ADDHYD CROSS SECTION 7
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.80	1189.619	(NULL)
21.94	91.336	(NULL)
23.91	79.025	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6818 CFS-HRS= 3150.29 ACRE-FT= 260.34

SUBROUTINE REACH CROSS SECTION 7
LENGTH= 5000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.02

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.06	1149.429	(NULL)
22.12	91.320	(NULL)
24.10	78.983	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6818 CFS-HRS= 3150.36 ACRE-FT= 260.35

SUBROUTINE RUNOFF CROSS SECTION 8
AREA= 1.42 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.75

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.37	321.614	(RUNOFF)
21.71	18.576	(RUNOFF)
23.72	16.081	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7091 CFS-HRS= 649.81 ACRE-FT= 53.70

SUBROUTINE REACH CROSS SECTION 9
LENGTH= 7000.00 INPUT COEFFICIENT= 0.6000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.550 AVERAGE ROUTING COEFF= 0.6000 NUMBER OF ROUTINGS= 2.29

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.11	250.298	(NULL)
22.24	18.340	(NULL)
24.22	15.811	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7087 CFS-HRS= 649.49 ACRE-FT= 53.67

SUBROUTINE RUNOFF CROSS SECTION 10
AREA= 1.32 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 0.90

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.49	226.055	(RUNOFF)
21.77	15.911	(RUNOFF)
23.76	13.775	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6216 CFS-HRS= 529.52 ACRE-FT= 43.76

SUBROUTINE ADDHYD CROSS SECTION 10
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.92	392.925	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6667 CFS-HRS= 1179.01 ACRE-FT= 97.43

SUBROUTINE ADDHYD CROSS SECTION 11
INPUT HYDROGRAPHS= 1,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.04	1535.997	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 9.90

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	2.36	27.81
12.00	DISCHG	124.46	346.16	689.65	1084.45	1401.07	1535.94	1479.30	1302.39	1093.65	902.00
14.00	DISCHG	745.89	626.12	536.26	468.67	417.56	378.70	348.61	324.65	305.39	289.17

27.8
11.2
16.6

16.00	DISCHG	274.72	261.33	248.71	236.95	226.42	217.61	210.69	205.38	201.10	197.08
18.00	DISCHG	192.70	187.71	182.12	176.16	170.09	164.37	159.42	155.61	152.98	151.11
20.00	DISCHG	149.41	147.39	144.80	141.76	138.60	135.45	132.38	129.49	127.15	125.72
22.00	DISCHG	125.20	124.95	124.21	122.66	120.49	117.95	115.17	112.38	110.05	108.61
24.00	DISCHG	107.98	107.07	103.45	95.36	82.26	65.37	47.57	31.89	20.18	12.31
26.00	DISCHG	7.32	4.27	2.45	1.38	0.75	0.39	0.18	0.05	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6776 CFS-HRS= 4329.36 ACRE-FT= 357.78

SUBROUTINE REACH CROSS SECTION 12
LENGTH= 3000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.61

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.21	1499.625	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6776 CFS-HRS= 4329.28 ACRE-FT= 357.77

SUBROUTINE RUNOFF CROSS SECTION 13
AREA= 1.33 INPUT RUNOFF CURVE= 74.0 TIME OF CONCENTRATION= 0.70

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.34	288.670	(RUNOFF)
21.68	16.836	(RUNOFF)
23.69	14.546	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6642 CFS-HRS= 570.14 ACRE-FT= 47.12

SUBROUTINE REACH CROSS SECTION 14
LENGTH= 11500.00 INPUT COEFFICIENT= 0.6100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.659 AVERAGE ROUTING COEFF= 0.6100 NUMBER OF ROUTINGS= 3.66

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.55	201.230	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6639 CFS-HRS= 569.84 ACRE-FT= 47.09

SUBROUTINE RUNOFF CROSS SECTION 15
AREA= 0.85 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 1.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.74	116.410	(RUNOFF)
21.71	10.212	(RUNOFF)
23.70	8.817	(RUNOFF)

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.620        CFS-HRS=      340.52        ACRE-FT=      28.14

SUBROUTINE ADDHYD    CROSS SECTION  15
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.45                       272.943                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6471       CFS-HRS=      910.36        ACRE-FT=      75.23

SUBROUTINE ADDHYD    CROSS SECTION  16
           INPUT HYDROGRAPHS= 1,2     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.24                      1757.687                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6721       CFS-HRS=     5239.64        ACRE-FT=     433.00

SUBROUTINE REACH     CROSS SECTION  17
           LENGTH=   3400.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  0.69

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.42                      1716.783                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6721       CFS-HRS=     5239.68        ACRE-FT=     433.01

SUBROUTINE RUNOFF    CROSS SECTION  18
           AREA=   0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.60

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              12.27                       138.938                    (RUNOFF)
              19.35                         8.949                    (RUNOFF)
              21.64                         7.744                    (RUNOFF)
              23.64                         6.695                    (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6214       CFS-HRS=      252.66        ACRE-FT=      20.88

SUBROUTINE REACH     CROSS SECTION  19
           LENGTH=  14000.00     INPUT COEFFICIENT=  0.5800     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.348       AVERAGE ROUTING COEFF= 0.5800       NUMBER OF ROUTINGS=  4.80

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
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13.95                    80.673                    (NULL)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6211      CFS-HRS=      252.55      ACRE-FT=      20.87

SUBROUTINE RUNOFF    CROSS SECTION  20
AREA=   0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  1.55

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
12.98                        74.876                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6213      CFS-HRS=      252.61      ACRE-FT=      20.88

SUBROUTINE ADDHYD    CROSS SECTION  20
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
13.78                       127.495                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6212      CFS-HRS=      505.16      ACRE-FT=      41.75

SUBROUTINE RUNOFF    CROSS SECTION  21
AREA=   1.13     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.45

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
12.19                       292.952                       (RUNOFF)
16.91                        21.278                       (RUNOFF)
19.37                        16.058                       (RUNOFF)
21.57                        14.084                       (RUNOFF)
23.57                        12.243                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6227      CFS-HRS=      454.13      ACRE-FT=      37.53

SUBROUTINE REACH     CROSS SECTION  22
LENGTH=  16000.00    INPUT COEFFICIENT=  0.6200    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.774     AVERAGE ROUTING COEFF= 0.6200     NUMBER OF ROUTINGS=  4.97

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
13.77                       159.905                       (NULL)
22.74                        13.529                       (NULL)
24.72                        11.699                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6214      CFS-HRS=      453.15      ACRE-FT=      37.45

SUBROUTINE RUNOFF    CROSS SECTION  23
```

AREA= 0.81 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 1.90

PEAK TIMES 13.26 PEAK DISCHARGES 82.678 PEAK ELEVATIONS (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6217 CFS-HRS= 324.98 ACRE-FT= 26.86

SUBROUTINE ADDHYD CROSS SECTION 23
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES 13.69 PEAK DISCHARGES 233.649 PEAK ELEVATIONS (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6215 CFS-HRS= 778.13 ACRE-FT= 64.30

SUBROUTINE ADDHYD CROSS SECTION 24
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 6

PEAK TIMES 13.72 PEAK DISCHARGES 359.353 PEAK ELEVATIONS (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 3.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.20	9.91
12.00	DISCHG	25.77	53.57	87.25	120.78	153.87	201.32	263.39	323.02	355.31	357.16
14.00	DISCHG	334.54	299.90	261.13	224.79	193.62	167.79	147.53	131.50	118.96	109.13
16.00	DISCHG	101.15	94.66	89.16	84.32	80.09	76.21	72.83	69.79	67.08	64.74
18.00	DISCHG	62.73	61.00	59.43	57.88	56.33	54.76	53.18	51.67	50.21	48.87
20.00	DISCHG	47.70	46.71	45.88	45.18	44.48	43.67	42.78	41.92	41.18	40.49
22.00	DISCHG	39.78	39.04	38.45	38.08	37.78	37.36	36.83	36.23	35.69	35.12
24.00	DISCHG	34.39	33.46	32.37	31.00	29.48	27.57	25.26	22.17	18.43	14.41
26.00	DISCHG	10.71	7.64	5.24	3.54	2.34	1.54	1.02	0.67	0.46	0.31
28.00	DISCHG	0.20	0.15	0.10	0.07	0.05	0.03	0.02	0.02	0.01	0.01
30.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6214 CFS-HRS= 1283.29 ACRE-FT= 106.05

SUBROUTINE ADDHYD CROSS SECTION 25
INPUT HYDROGRAPHS= 1,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES 13.47 PEAK DISCHARGES 2049.892 PEAK ELEVATIONS (NULL)

30
11.4
18.6

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.28

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	2.72	15.64
12.00	DISCHG	58.60	171.63	388.48	715.25	1119.08	1539.12	1874.76	2038.79	2008.38	1839.14
14.00	DISCHG	1605.60	1367.51	1155.23	980.51	842.55	735.27	653.01	589.54	540.16	501.11
16.00	DISCHG	469.33	442.68	419.36	398.27	379.03	361.47	346.09	333.01	322.16	313.26
18.00	DISCHG	305.63	298.51	291.24	283.45	275.13	266.54	258.04	250.14	243.23	237.61
20.00	DISCHG	233.20	229.59	226.27	222.81	218.91	214.53	209.88	205.30	201.06	197.32
22.00	DISCHG	194.20	191.87	190.32	189.10	187.49	185.06	181.88	178.24	174.58	171.11
24.00	DISCHG	168.04	165.38	162.52	157.73	149.29	135.87	117.62	95.72	72.96	52.27
26.00	DISCHG	35.64	23.40	14.91	9.32	5.72	3.47	2.09	1.24	0.73	0.43
28.00	DISCHG	0.24	0.15	0.10	0.07	0.05	0.03	0.02	0.02	0.01	0.01
30.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6615 CFS-HRS= 6522.97 ACRE-FT= 539.06

SUBROUTINE RUNOFF CROSS SECTION 26
AREA= 1.20 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.75

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.37	271.786	(RUNOFF)
21.71	15.698	(RUNOFF)
23.72	13.590	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7091 CFS-HRS= 549.14 ACRE-FT= 45.38

SUBROUTINE RUNOFF CROSS SECTION 27
AREA= 1.27 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.65

	PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
30	12.29	316.861	(RUNOFF)
11.2	21.66	16.737	(RUNOFF)
18.8	23.66	14.473	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7076 CFS-HRS= 579.96 ACRE-FT= 47.93

SUBROUTINE ADDHYD CROSS SECTION 27
INPUT HYDROGRAPHS= 7,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.33	578.541	(NULL)
21.68	32.427	(NULL)
23.69	28.022	(NULL)

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7083        CFS-HRS=     1129.10        ACRE-FT=      93.31

SUBROUTINE REACH     CROSS SECTION  28
           LENGTH=  12000.00      INPUT COEFFICIENT=  0.5600      INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.164        AVERAGE ROUTING COEFF= 0.5600        NUMBER OF ROUTINGS=  4.31

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.86                         367.515                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7081        CFS-HRS=     1128.80        ACRE-FT=      93.28

SUBROUTINE RUNOFF    CROSS SECTION  29
           AREA=   1.56      INPUT RUNOFF CURVE=  73.0      TIME OF CONCENTRATION=  1.60

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.04                         180.147                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6214        CFS-HRS=      625.60        ACRE-FT=      51.70

SUBROUTINE ADDHYD    CROSS SECTION  29
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 1

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.76                         490.051                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6745        CFS-HRS=     1754.39        ACRE-FT=     144.98

SUBROUTINE RUNOFF    CROSS SECTION  30
           AREA=   1.48      INPUT RUNOFF CURVE=  75.0      TIME OF CONCENTRATION=  0.60

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.26                         389.273                     (RUNOFF)
              19.33                          22.746                     (RUNOFF)
              21.64                          19.623                     (RUNOFF)
              23.64                          16.930                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7085        CFS-HRS=      676.69        ACRE-FT=      55.92

SUBROUTINE REACH     CROSS SECTION  31
           LENGTH=   7500.00      INPUT COEFFICIENT=  0.5600      INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.164        AVERAGE ROUTING COEFF= 0.5600        NUMBER OF ROUTINGS=  2.70

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
```

```
13.22                    256.372                    (NULL)
22.33                     19.129                    (NULL)
24.30                     16.500                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.7081      CFS-HRS=      676.36      ACRE-FT=      55.89

SUBROUTINE ADDHYD    CROSS SECTION  31
INPUT HYDROGRAPHS= 5,1     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
13.57                          694.342                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6836      CFS-HRS=     2430.74      ACRE-FT=     200.88

SUBROUTINE REACH     CROSS SECTION  32
LENGTH=  16000.00     INPUT COEFFICIENT=  0.6300     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=  2.895      AVERAGE ROUTING COEFF= 0.6300      NUMBER OF ROUTINGS=  4.84

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
15.14                          612.706                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6836      CFS-HRS=     2430.70      ACRE-FT=     200.87

SUBROUTINE RUNOFF    CROSS SECTION  33
AREA=   3.12     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.10

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
13.42                          299.583                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6215      CFS-HRS=     1251.38      ACRE-FT=     103.41

SUBROUTINE ADDHYD    CROSS SECTION  33
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
15.04                          762.767                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6611      CFS-HRS=     3682.08      ACRE-FT=     304.29

SUBROUTINE ADDHYD    CROSS SECTION  34
INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
13.51                         2406.904                    (NULL)
```

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 23.91

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.05	7.02	30.57
12.00	DISCHG	97.91	244.49	512.54	895.25	1348.81	1816.51	2184.26	2382.03	2387.86	2266.29
14.00	DISCHG	2093.78	1928.19	1788.76	1680.11	1586.11	1497.63	1406.75	1312.01	1214.88	1118.41
16.00	DISCHG	1026.56	941.10	864.43	796.03	736.65	685.41	642.28	606.41	576.69	552.10
18.00	DISCHG	531.02	512.27	494.71	477.77	461.37	445.66	431.01	417.65	405.96	395.88
20.00	DISCHG	387.35	379.71	372.48	365.21	357.65	349.81	341.95	334.47	327.57	321.54
22.00	DISCHG	316.24	311.86	308.27	304.99	301.30	296.81	291.64	286.14	280.84	275.85
24.00	DISCHG	271.33	266.99	262.01	254.39	242.61	225.08	202.52	176.16	148.90	123.81
26.00	DISCHG	102.52	85.28	71.27	59.54	49.45	40.41	32.51	25.53	19.64	14.74
28.00	DISCHG	10.83	7.81	5.53	3.87	2.65	1.81	1.21	0.81	0.53	0.34
30.00	DISCHG	0.22	0.13	0.08	0.04	0.02	0.0				

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6613 CFS-HRS= 10205.08 ACRE-FT= 843.35

SUBROUTINE REACH CROSS SECTION 35
LENGTH= 5800.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.18

31.0
11.0
20.0

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.83	2355.422	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6613 CFS-HRS= 10204.48 ACRE-FT= 843.30

SUBROUTINE RUNOFF CROSS SECTION 36
AREA= 0.96 INPUT RUNOFF CURVE= 72.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.66	131.808	(RUNOFF)
21.80	11.077	(RUNOFF)
23.78	9.579	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5808 CFS-HRS= 359.83 ACRE-FT= 29.74

SUBROUTINE ADDHYD CROSS SECTION 37
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.82	2408.740	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6582 CFS-HRS= 10564.31 ACRE-FT= 873.03

```
                                                                                                PASS=  2
EXECUTIVE CONTROL CARD        OPERATION  COMPUT,     FROM XSECTN/STRUCT  38/  0     TO XSECTN/STRUCT  75/  0
        STARTING TIME=  0.0      RAIN DEPTH=  2.45     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3         STORM NO.= 2

SUBROUTINE RUNOFF    CROSS SECTION  38
        AREA=   0.67     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.70

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           12.34                        135.469                       (RUNOFF)
           21.68                          7.953                       (RUNOFF)
           23.69                          6.871                       (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6206        CFS-HRS=      268.33        ACRE-FT=      22.18

SUBROUTINE RUNOFF    CROSS SECTION  39
        AREA=   1.57     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  0.90

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           12.49                        249.653                       (RUNOFF)
           21.77                         17.721                       (RUNOFF)
           23.76                         15.344                       (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5794        CFS-HRS=      587.11        ACRE-FT=      48.52

SUBROUTINE REACH     CROSS SECTION  40
        LENGTH=  21000.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=  1.996     AVERAGE ROUTING COEFF= 0.5400     NUMBER OF ROUTINGS=  7.89

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           15.51                        143.387                        (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5794        CFS-HRS=      587.08        ACRE-FT=      48.52

SUBROUTINE RUNOFF    CROSS SECTION  41
        AREA=   1.28     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  2.85

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           14.09                         91.617                       (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5791        CFS-HRS=      478.42        ACRE-FT=      39.54

SUBROUTINE ADDHYD    CROSS SECTION  41
        INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 3
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```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.36                          204.726                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5793      CFS-HRS=     1065.50      ACRE-FT=      88.05


SUBROUTINE RUNOFF     CROSS SECTION  42
           AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.48                          185.041                        (RUNOFF)
   21.77                           12.451                        (RUNOFF)
   23.76                           10.770                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6206      CFS-HRS=      424.56      ACRE-FT=      35.09


SUBROUTINE REACH      CROSS SECTION  43
           LENGTH=  20000.00     INPUT COEFFICIENT=  0.5500     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.078      AVERAGE ROUTING COEFF= 0.5500      NUMBER OF ROUTINGS=  7.35

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.22                          109.552                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6206      CFS-HRS=      424.53      ACRE-FT=      35.08


SUBROUTINE RUNOFF     CROSS SECTION  44
           AREA=   1.63     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  2.60

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.78                          125.530                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5797      CFS-HRS=      609.87      ACRE-FT=      50.40


SUBROUTINE ADDHYD     CROSS SECTION  44
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.97                          192.075                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5958      CFS-HRS=     1034.41      ACRE-FT=      85.48


SUBROUTINE ADDHYD     CROSS SECTION  45
           INPUT HYDROGRAPHS= 3,4     OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

```
    15.19                          390.951                          (NULL)
TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.5873        CFS-HRS=     2099.88        ACRE-FT=     173.53

SUBROUTINE REACH     CROSS SECTION  46
           LENGTH=   4700.00     INPUT COEFFICIENT=  0.5100     INPUT ROUTINGS=  0.0
AVERAGE WATER VELCCITY=   1.769       AVERAGE ROUTING COEFF= 0.5100       NUMBER OF ROUTINGS=  1.88
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.91                          374.958                        (NULL)
TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5872        CFS-HRS=     2099.51        ACRE-FT=     173.50

SUBRCUTINE RUNCFF    CROSS SECTICN  47
           AREA=    1.63     INPUT RUNOFF CURVE=  71.0     TIME OF CONCENTRATION=  2.40
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.66                           99.628                       (RUNOFF)
TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.4656        CFS-HRS=      489.84        ACRE-FT=      40.48

SUBRCUTINE ADDHYD    CROSS SECTICN  47
           INPUT HYDRCGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.83                          423.787                        (NULL)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5596        CFS-HRS=     2589.35        ACRE-FT=     213.98

SUBROUTINE REACH     CROSS SECTICN  48
           LENGTH=   8000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0
AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  3.46
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   17.22                          398.943                        (NULL)
TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5596        CFS-HRS=     2589.43        ACRE-FT=     213.99

SUBRCUTINE RUNOFF    CROSS SECTION  49
           AREA=    1.04     INPUT RUNOFF CURVE=  52.0     TIME OF CONCENTRATION=  2.00
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   18.19                            2.468                       (RUNOFF)
```

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0370 CFS-HRS= 24.84 ACRE-FT= 2.05

SUBROUTINE ADDHYD CROSS SECTION 50
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.22	401.332	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 8.21

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.05	0.33	1.14	3.04	6.79	13.28	23.40	37.76	56.53
14.00	DISCHG	79.40	105.54	133.68	162.36	190.18	216.07	239.69	261.34	281.72	301.61
16.00	DISCHG	321.41	340.97	359.58	376.08	389.23	397.88	401.29	399.19	391.78	379.71
18.00	DISCHG	363.89	345.40	325.29	304.55	284.00	264.26	245.76	228.76	213.34	199.52
20.00	DISCHG	187.20	176.27	166.60	158.04	150.47	143.77	137.83	132.55	127.81	123.54
22.00	DISCHG	119.65	116.08	112.77	109.68	106.81	104.12	101.62	99.29	97.13	95.13
24.00	DISCHG	93.25	91.44	89.70	87.98	86.26	84.54	82.81	81.07	79.29	77.42
26.00	DISCHG	75.41	73.23	70.83	68.21	65.36	62.33	59.16	55.90	52.59	49.25
28.00	DISCHG	45.88	42.48	39.05	35.58	32.09	28.63	25.24	21.97	18.87	16.01
30.00	DISCHG	13.41	11.09	9.07	7.34	5.88	4.67	3.68	2.87	2.23	1.73
32.00	DISCHG	1.33	1.02	0.78	0.60	0.46	0.35	0.26	0.20	0.15	0.12
34.00	DISCHG	0.09	0.06	0.05	0.03	0.02	0.01	0.01	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4934 CFS-HRS= 2614.26 ACRE-FT= 216.04

SUBROUTINE ADDHYD CROSS SECTION 51
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.85	2469.407	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 33.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	14.00
12.00	DISCHG	55.34	144.22	293.37	523.07	844.75	1242.52	1681.22	2079.48	2355.02	2464.36
14.00	DISCHG	2431.95	2318.33	2183.49	2060.82	1963.13	1883.59	1812.42	1741.41	1667.11	1589.95
16.00	DISCHG	1512.18	1437.02	1366.24	1301.06	1240.89	1185.12	1132.62	1082.80	1035.25	989.64
18.00	DISCHG	945.89	903.70	862.86	823.20	784.80	747.98	713.18	680.88	651.38	624.92
20.00	DISCHG	601.44	580.86	562.71	546.38	531.23	516.77	502.84	489.60	477.26	465.88

22.00	DISCHG	455.50	446.07	437.71	430.42	423.82	417.25	410.30	403.00	395.59	388.32
24.00	DISCHG	381.23	374.19	366.87	358.74	348.74	335.65	318.06	295.73	269.30	240.77
26.00	DISCHG	212.86	187.62	165.91	147.46	131.52	117.40	104.52	92.74	81.94	72.15
28.00	DISCHG	63.36	55.53	48.60	42.44	36.95	32.01	27.55	23.54	19.93	16.71
30.00	DISCHG	13.87	11.39	9.26	7.45	5.94	4.70	3.69	2.87	2.23	1.73
32.00	DISCHG	1.33	1.02	0.78	0.60	0.46	0.35	0.26	0.20	0.15	0.12
34.00	DISCHG	0.09	0.06	0.05	0.03	0.02	0.01	0.01	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6173 CFS-HRS= 13178.60 ACRE-FT= 1089.08

SUBROUTINE REACH CROSS SECTION 52
LENGTH= 4000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.82

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.08	2438.019	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6173 CFS-HRS= 13178.82 ACRE-FT= 1089.10

SUBROUTINE RUNOFF CROSS SECTION 53
AREA= 2.69 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 3.20

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.41	86.994	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3352 CFS-HRS= 581.85 ACRE-FT= 48.08

SUBROUTINE REACH CROSS SECTION 54
LENGTH= 8500.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 3.68

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.10	81.317	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3352 CFS-HRS= 581.90 ACRE-FT= 48.09

SUBROUTINE RUNOFF CROSS SECTION 55
AREA= 0.97 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 1.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.51	1.758	(RUNOFF)
20.24	1.762	(RUNOFF)
22.41	1.726	(RUNOFF)

25.4
11.4

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0275        CFS-HRS=       17.21        ACRE-FT=       1.42

SUBROUTINE ADDHYD    CROSS SECTION  55
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 3

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              16.11                       82.367                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2536        CFS-HRS=      599.11        ACRE-FT=      49.51

SUBROUTINE ADDHYD    CROSS SECTION  56
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.09                     2466.060                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5811        CFS-HRS=    13777.92        ACRE-FT=    1138.61

SUBROUTINE REACH     CROSS SECTION  57
           LENGTH=   5000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  1.02

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.39                     2432.930                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5811        CFS-HRS=    13777.83        ACRE-FT=    1138.60

SUBROUTINE RUNOFF    CROSS SECTION  58
           AREA=   1.05     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.70

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              12.34                      212.303                      (RUNOFF)
              21.68                       12.463                      (RUNOFF)
              23.69                       10.769                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6206        CFS-HRS=      420.52        ACRE-FT=      34.75

SUBROUTINE REACH     CROSS SECTION  59
           LENGTH=   7400.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  2.78

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.37                      144.768                       (NULL)
```

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6202        CFS-HRS=      420.28        ACRE-FT=      34.73

SUBROUTINE RUNOFF     CROSS SECTION  60
           AREA=   1.71      INPUT RUNOFF CURVE=  76.0      TIME OF CONCENTRATION=  0.60

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.26                     420.250                        (RUNOFF)
              19.33                      24.669                        (RUNOFF)
              21.64                      21.286                        (RUNOFF)
              23.64                      18.367                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6633        CFS-HRS=      732.02        ACRE-FT=      60.49

SUBROUTINE REACH      CROSS SECTION  61
           LENGTH=   5000.00      INPUT COEFFICIENT=  0.5400      INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996        AVERAGE ROUTING COEFF= 0.5400        NUMBER OF ROUTINGS=  1.88

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.93                     293.192                        (NULL)
              22.15                      20.800                        (NULL)
              24.13                      17.937                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6630        CFS-HRS=      731.72        ACRE-FT=      60.47

SUBROUTINE ADDHYD     CROSS SECTION  61
           INPUT HYDROGRAPHS= 5,3      OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              13.08                     410.843                        (NULL)
              22.11                      33.096                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6467        CFS-HRS=     1152.00        ACRE-FT=      95.20

SUBROUTINE REACH      CROSS SECTION  62
           LENGTH=   8000.00      INPUT COEFFICIENT=  0.5400      INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996        AVERAGE ROUTING COEFF= 0.5400        NUMBER OF ROUTINGS=  3.01

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              14.03                     334.166                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6467        CFS-HRS=     1151.97        ACRE-FT=      95.20

SUBROUTINE RUNOFF     CROSS SECTION  63
```

```
AREA=   3.60     INPUT RUNOFF CURVE=  76.0     TIME OF CONCENTRATION=  2.30

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   13.47                         361.034                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6637        CFS-HRS=     1541.95        ACRE-FT=     127.43

SUBROUTINE ADDHYD    CROSS SECTION  63
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   13.85                         670.826                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6563        CFS-HRS=     2693.90        ACRE-FT=     222.62

SUBROUTINE REACH     CROSS SECTION  64
LENGTH=   8500.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.996      AVERAGE ROUTING COEFF= 0.5400      NUMBER OF ROUTINGS=  3.19

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   13.49                          90.158                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6202        CFS-HRS=      268.18        ACRE-FT=      22.16

SUBROUTINE ADDHYD    CROSS SECTION  65
INPUT HYDROGRAPHS= 5,4     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   13.81                         750.994                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6529        CFS-HRS=     2962.08        ACRE-FT=     244.79

SUBROUTINE REACH     CROSS SECTION  66
LENGTH=  31000.00     INPUT COEFFICIENT=  0.5000     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.700      AVERAGE ROUTING COEFF= 0.5000      NUMBER OF ROUTINGS= 12.66

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   19.02                         522.293                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6528        CFS-HRS=     2961.72        ACRE-FT=     244.76

SUBROUTINE RUNOFF    CROSS SECTION  67
AREA=   6.47     INPUT RUNOFF CURVE=  72.0     TIME OF CONCENTRATION=  6.10
```

PEAK TIMES 16.72 | PEAK DISCHARGES 231.714 | PEAK ELEVATIONS (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5019 CFS-HRS= 2095.69 ACRE-FT= 173.19

SUBROUTINE ADDHYD CROSS SECTION 67
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES 18.89 | PEAK DISCHARGES 699.014 | PEAK ELEVATIONS (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5805 CFS-HRS= 5057.43 ACRE-FT= 417.95

SUBROUTINE ADDHYD CROSS SECTION 68
INPUT HYDROGRAPHS= 2,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES 14.42 | PEAK DISCHARGES 2581.672 | PEAK ELEVATIONS (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 50.24

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.18	6.80
12.00	DISCHG	13.32	29.27	68.36	148.87	289.49	502.44	798.92	1171.98	1592.38	2003.67
14.00	DISCHG	2329.89	2522.67	2581.29	2543.44	2454.09	2355.57	2269.87	2200.40	2142.34	2085.03
16.00	DISCHG	2025.96	1968.28	1914.25	1867.23	1827.90	1795.80	1773.95	1760.32	1751.94	1745.15
18.00	DISCHG	1734.10	1719.20	1698.39	1670.25	1634.06	1591.15	1541.15	1485.29	1425.34	1363.23
20.00	DISCHG	1301.53	1241.46	1183.81	1129.41	1078.63	1031.74	988.57	948.36	910.91	876.15
22.00	DISCHG	844.27	815.64	789.55	765.83	744.37	724.98	707.76	691.62	676.02	660.76
24.00	DISCHG	645.86	631.58	617.84	604.49	591.20	577.45	562.23	544.42	522.96	497.27
26.00	DISCHG	467.69	435.48	402.61	371.38	342.99	317.68	295.06	274.59	255.68	238.01
28.00	DISCHG	221.42	205.86	191.63	178.38	165.91	154.08	142.72	132.02	121.76	111.65
30.00	DISCHG	101.67	91.85	82.47	73.76	65.43	57.56	50.22	43.49	37.63	32.38
32.00	DISCHG	27.70	23.56	19.93	17.00	14.51	12.37	10.53	8.95	7.69	6.67
34.00	DISCHG	5.79	5.03	4.37	3.83	3.40	3.03	2.69	2.38	2.11	1.91
36.00	DISCHG	1.73	1.57	1.41	1.27	1.17	1.07	0.98	0.88	0.79	0.73
38.00	DISCHG	0.67	0.61	0.56	0.50	0.46	0.42	0.38	0.35	0.31	0.28
40.00	DISCHG	0.25	0.23	0.21	0.18	0.16	0.14	0.13	0.11	0.10	0.08
42.00	DISCHG	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5809 CFS-HRS= 18835.29 ACRE-FT= 1556.55

SUBROUTINE REACH CROSS SECTION 69
LENGTH= 7400.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

42.8
11.4
32.2

43.8
11.4
32.4

```
AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500      NUMBER OF ROUTINGS=  1.51

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.84                        2540.642                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5809      CFS-HRS=    18835.21      ACRE-FT=    1556.54

SUBROUTINE RUNOFF    CROSS SECTION  70
AREA=   0.95     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.30

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.48                         87.393                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6208      CFS-HRS=      380.61      ACRE-FT=      31.45

SUBROUTINE RUNOFF    CROSS SECTION  71
AREA=   2.55     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.25

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.35                        181.843                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6204      CFS-HRS=     1021.02      ACRE-FT=      84.38

SUBROUTINE REACH     CROSS SECTION  72
LENGTH=  21000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  9.09

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   18.29                        152.811                     (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6203      CFS-HRS=     1020.90      ACRE-FT=      84.37

SUBROUTINE RUNOFF    CROSS SECTION  73
AREA=   1.32     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.80

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.88                         83.832                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6204      CFS-HRS=      528.49      ACRE-FT=      43.67

SUBROUTINE ADDHYD    CROSS SECTION  73
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
```

```
   18.C8                          190.312                          (NULL)
TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.6204        CFS-HRS=     1549.39        ACRE-FT=     128.04

SUBROUTINE ADDHYD    CROSS SECTICN  74
           INPUT HYDRCGRAPHS= 1,4     OUTPUT HYDROGRAPH= 6

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.88                      156.361                       (NULL)
              18.C1                      209.941                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6204        CFS-HRS=     1929.98        ACRE-FT=     159.49

SUBRCUTINE ADDHYD    CROSS SECTICN  75
           INPUT HYDROGRAPHS= 2,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14184                     2684.441                       (NULL)

           TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.5844        CFS-HRS=    20765.21        ACRE-FT=    1716.04
```

PASS= 2

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 76/ 0 TO XSECTN/STRUCT 130/ 0
STARTING TIME= 0.0 RAIN DEPTH= 2.30 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 2

SUBROUTINE RUNOFF CROSS SECTION 76
AREA= 0.50 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
13.34 42.344 (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5366 CFS-HRS= 173.16 ACRE-FT= 14.31

SUBROUTINE ADDHYD CROSS SECTION 77
INPUT HYDROGRAPHS= 4,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
14.84 2706.481 (NULL)

TIME HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 55.56

0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.36	1.06	3.74	10.56
12.00	DISCHG	26.86	49.78	83.60	135.44	210.59	326.96	492.90	729.63	1034.60	1403.65
14.00	DISCHG	1800.48	2177.67	2471.70	2645.93	2705.19	2677.16	2600.08	2510.88	2430.40	2362.44
16.00	DISCHG	2304.70	2250.59	2198.79	2149.71	2104.97	2066.33	2034.51	2009.49	1991.84	1980.20
18.00	DISCHG	1971.38	1961.20	1946.93	1926.92	1899.73	1864.53	1821.34	1770.64	1713.10	1650.14
20.00	DISCHG	1583.35	1514.87	1446.92	1380.68	1317.14	1257.15	1201.08	1149.10	1100.99	1056.37
22.00	DISCHG	1014.87	976.49	941.39	909.43	880.27	853.74	829.61	807.78	787.91	769.34
24.00	DISCHG	751.54	734.10	717.11	700.43	684.11	667.73	651.29	634.19	615.41	594.19
26.00	DISCHG	569.56	541.33	509.69	476.09	442.22	409.98	380.26	353.44	329.31	307.26
28.00	DISCHG	286.77	267.70	249.68	232.75	216.96	202.12	188.00	174.49	161.58	149.23
30.00	DISCHG	137.29	125.65	114.23	103.13	92.60	82.68	73.29	64.50	56.34	48.95
32.00	DISCHG	42.37	36.51	31.30	26.69	22.73	19.40	16.56	14.13	12.05	10.29
34.00	DISCHG	8.84	7.64	6.62	5.73	4.98	4.36	3.84	3.39	3.00	2.64
36.00	DISCHG	2.34	2.10	1.88	1.69	1.51	1.36	1.24	1.12	1.02	0.91
38.00	DISCHG	0.82	0.75	0.68	0.62	0.56	0.50	0.46	0.42	0.38	0.35
40.00	DISCHG	0.31	0.28	0.25	0.23	0.21	0.18	0.16	0.14	0.13	0.11
42.00	DISCHG	0.10	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5839 CFS-HRS= 20938.37 ACRE-FT= 1730.35

SUBROUTINE REACH CROSS SECTION 78

44.0
11.0

```
LENGTH=   4200.00      INPUT CCEFFICIENT=  0.75        INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.75CC       NUMBER OF ROUTINGS=  0.86

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.08                          2686.142                       (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.5839        CFS-HRS=    20937.92        ACRE-FT=    1730.31


SUBROUTINE RUNOFF    CROSS SECTION  79
AREA=   2.31     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.95

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.87                          121.844                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361        CFS-HRS=      799.23        ACRE-FT=      66.05


SUBROUTINE RUNOFF    CROSS SECTION  80
AREA=   1.11     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.20

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.53                           88.567                       (RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.5362        CFS-HRS=      384.13        ACRE-FT=      31.74


SUBROUTINE ADDHYD    CROSS SECTION  80
INPUT HYDRCGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.14                          186.456                       (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.5361        CFS-HRS=     1183.36        ACRE-FT=      97.79


SUBROUTINE REACH     CROSS SECTION  81
LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  4.33

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   16.15                          172.278                       (NULL)

TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363        CFS-HRS=     1183.66        ACRE-FT=      97.82


SUBRCUTINE RUNOFF    CROSS SECTION  82
AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00
```

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.34                           89.770                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5366        CFS-HRS=      367.09        ACRE-FT=      30.34

SUBROUTINE ADDHYD    CROSS SECTION  82
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.94                          202.118                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5364        CFS-HRS=     1550.75        ACRE-FT=     128.15

SUBROUTINE RUNOFF    CROSS SECTION  83
AREA=   2.54     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.50

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.41                          144.216                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361        CFS-HRS=      878.82        ACRE-FT=      72.63

SUBROUTINE ADDHYD    CROSS SECTION  84
INPUT HYDROGRAPHS= 4,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.27                          316.849                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363        CFS-HRS=     2429.53        ACRE-FT=     200.78

SUBROUTINE REACH     CROSS SECTION  85
LENGTH=  11000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  4.76

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   17.42                          303.372                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     2429.11        ACRE-FT=     200.74

SUBROUTINE RUNOFF    CROSS SECTION  86
AREA=   0.57     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.34                           48.273                      (RUNOFF)
```

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5366        CFS-HRS=      197.40        ACRE-FT=      16.31

SUBROUTINE ADDHYD     CROSS SECTION  86
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             17.37                       314.371                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     2626.51        ACRE-FT=     217.05

SUBROUTINE RUNOFF     CROSS SECTION  87
           AREA=   1.28     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             13.34                       108.402                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5366        CFS-HRS=      443.28        ACRE-FT=      36.63

SUBROUTINE RUNOFF     CROSS SECTION  88
           AREA=   2.12     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.60

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             14.73                       119.730                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363        CFS-HRS=      733.79        ACRE-FT=      60.64

SUBROUTINE ADDHYD     CROSS SECTION  88
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             13.71                       198.417                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5364        CFS-HRS=     1177.07        ACRE-FT=      97.27

SUBROUTINE REACH      CROSS SECTION  89
           LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508     AVERAGE ROUTING COEFF= 0.4700     NUMBER OF ROUTINGS=  4.33

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
             15.88                       182.118                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     1176.53        ACRE-FT=      97.23
```

```
SUBROUTINE RUNOFF    CROSS SECTION  90
           AREA=   1.66     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.80

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.15                        151.244                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363        CFS-HRS=      574.58        ACRE-FT=      47.48

SUBROUTINE ADDHYD    CROSS SECTION  90
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 3

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.60                        230.161                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     1751.09        ACRE-FT=     144.71

SUBROUTINE ADDHYD    CROSS SECTION  91
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              16.64                        506.389                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     4377.62        ACRE-FT=     361.77

SUBROUTINE REACH     CROSS SECTION  92
           LENGTH=   7500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508     AVERAGE ROUTING COEFF= 0.4700     NUMBER OF ROUTINGS=  3.25

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              18.04                        495.607                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=     4377.11        ACRE-FT=     361.72

SUBROUTINE RUNOFF    CROSS SECTION  93
           AREA=   0.64     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.50

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.95                         66.011                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5365        CFS-HRS=      221.59        ACRE-FT=      18.31

SUBROUTINE ADDHYD    CROSS SECTION  93
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2
```

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  16.02                          505.803                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362      CFS-HRS=     4598.71      ACRE-FT=    380.04


SUBROUTINE RUNOFF     CROSS SECTION  94
AREA=  1.71    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  3.30

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  14.25                          101.651                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362      CFS-HRS=      591.69      ACRE-FT=     48.90


SUBROUTINE ADDHYD     CROSS SECTION  95
INPUT HYDROGRAPHS= 2,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  17.87                          546.163                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362      CFS-HRS=     5190.40      ACRE-FT=    428.93


SUBROUTINE REACH      CROSS SECTION  96
LENGTH=  5000.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  2.17

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  18.78                          539.699                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362      CFS-HRS=     5190.34      ACRE-FT=    428.93


SUBROUTINE RUNOFF     CROSS SECTION  97
AREA=   0.52     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
  12.49                           76.130                       (RUNOFF)
  21.77                            5.465                       (RUNOFF)
  23.76                            4.733                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363      CFS-HRS=      179.98      ACRE-FT=     14.87


SUBROUTINE ADDHYD     CROSS SECTION  98
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

18.77 546.432 (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.52

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	7.32
12.00	DISCHG	27.67	58.51	80.59	88.09	89.39	93.62	104.56	119.53	137.91	158.87
14.00	DISCHG	181.92	206.13	230.76	254.74	276.66	296.11	313.09	327.89	341.49	354.91
16.00	DISCHG	368.96	384.11	400.61	418.29	436.62	455.07	472.96	489.61	504.62	517.61
18.00	DISCHG	528.33	536.63	542.39	545.62	546.40	544.85	541.11	535.33	527.70	518.38
20.00	DISCHG	507.60	495.61	482.72	469.13	454.96	440.36	425.62	410.97	396.53	382.27
22.00	DISCHG	368.21	354.50	341.29	328.62	316.46	304.81	293.77	283.45	273.81	264.69
24.00	DISCHG	255.98	247.54	239.16	230.93	223.15	215.88	209.09	202.58	196.24	190.07
26.00	DISCHG	184.01	178.02	172.06	166.13	160.22	154.37	148.60	142.94	137.41	132.02
28.00	DISCHG	126.75	121.56	116.45	111.36	106.28	101.20	96.11	91.01	85.92	80.87
30.00	DISCHG	75.87	70.94	66.12	61.42	56.87	52.49	48.29	44.29	40.50	36.92
32.00	DISCHG	33.56	30.43	27.51	24.80	22.31	20.01	17.91	16.00	14.26	12.68
34.00	DISCHG	11.26	9.98	8.84	7.81	6.90	6.08	5.36	4.72	4.15	3.65
36.00	DISCHG	3.20	2.81	2.47	2.16	1.90	1.66	1.45	1.27	1.11	0.97
38.00	DISCHG	0.84	0.73	0.64	0.55	0.48	0.41	0.36	0.31	0.26	0.23
40.00	DISCHG	0.20	0.17	0.14	0.12	0.10	0.09	0.07	0.06	0.05	0.04
42.00	DISCHG	0.03	0.03	0.02	0.01	0.01	0.0				

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5362 CFS-HRS= 5370.31 ACRE-FT= 443.80

SUBROUTINE ADDHYD CROSS SECTION 100
INPUT HYDROGRAPHS= 1,4 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.12	2986.525	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.37	1.88	11.27
12.00	DISCHG	38.64	84.52	129.04	169.94	221.73	300.42	424.27	601.71	848.52	1165.18
14.00	DISCHG	1544.65	1954.83	2349.24	2670.13	2879.76	2976.27	2982.29	2932.84	2863.56	2797.39
16.00	DISCHG	2742.12	2697.45	2658.88	2624.36	2593.42	2566.84	2545.48	2529.48	2518.66	2512.92
18.00	DISCHG	2510.78	2509.25	2504.45	2493.55	2474.79	2446.80	2408.84	2360.96	2303.71	2237.94
20.00	DISCHG	2165.17	2087.24	2006.47	1925.13	1844.70	1766.38	1691.28	1620.10	1553.14	1490.20
22.00	DISCHG	1431.00	1375.37	1323.37	1275.17	1230.60	1189.38	1151.43	1116.63	1084.82	1055.48
24.00	DISCHG	1027.93	1001.51	975.63	950.33	925.82	902.15	878.96	855.94	832.45	807.57
26.00	DISCHG	780.45	750.19	716.47	679.51	640.53	601.15	563.16	527.57	494.85	464.90

28.00	DISCHG	437.21	411.28	386.86	363.60	341.45	320.41	300.31	280.97	262.29	244.24
30.00	DISCHG	226.80	209.86	193.34	177.20	161.54	146.57	132.37	118.91	106.26	94.46
32.00	DISCHG	83.62	73.79	64.90	56.89	49.71	43.38	37.85	33.01	28.78	25.07
34.00	DISCHG	21.84	19.06	16.67	14.59	12.77	11.18	9.82	8.64	7.61	6.70
36.00	DISCHG	5.90	5.20	4.60	4.08	3.62	3.20	2.84	2.53	2.25	2.00
38.00	DISCHG	1.77	1.57	1.40	1.24	1.11	0.98	0.87	0.77	0.69	0.61
40.00	DISCHG	0.55	0.48	0.43	0.38	0.34	0.30	0.26	0.23	0.20	0.17
42.00	DISCHG	0.15	0.12	0.10	0.08	0.07	0.05	0.04	0.03	0.02	0.02
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5735 CFS-HRS= 26307.96 ACRE-FT= 2174.09

SUBROUTINE RESVOR STRUCTURE 1
SURFACE ELEVATION= 100.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.12	2986.525	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.37	1.88	11.27
12.00	DISCHG	38.64	84.52	129.04	169.94	221.73	300.42	424.27	601.71	848.52	1165.18
14.00	DISCHG	1544.65	1954.83	2349.24	2670.13	2879.76	2976.27	2982.29	2932.84	2863.56	2797.39
16.00	DISCHG	2742.12	2697.45	2658.88	2624.36	2593.42	2566.84	2545.48	2529.48	2518.66	2512.92
18.00	DISCHG	2510.78	2509.25	2504.45	2493.55	2474.79	2446.80	2408.84	2360.96	2303.71	2237.94
20.00	DISCHG	2165.17	2087.24	2006.47	1925.13	1844.70	1766.38	1691.28	1620.10	1553.14	1490.20
22.00	DISCHG	1431.00	1375.37	1323.37	1275.17	1230.60	1189.38	1151.43	1116.63	1084.82	1055.48
24.00	DISCHG	1027.93	1001.51	975.63	950.33	925.82	902.15	878.96	855.94	832.45	807.57
26.00	DISCHG	780.45	750.19	716.47	679.51	640.53	601.15	563.16	527.57	494.85	464.90
28.00	DISCHG	437.21	411.28	386.86	363.60	341.45	320.41	300.31	280.97	262.29	244.24
30.00	DISCHG	226.80	209.86	193.34	177.20	161.54	146.57	132.37	118.91	106.26	94.46
32.00	DISCHG	83.62	73.79	64.90	56.89	49.71	43.38	37.85	33.01	28.78	25.07
34.00	DISCHG	21.84	19.06	16.67	14.59	12.77	11.18	9.82	8.64	7.61	6.70
36.00	DISCHG	5.90	5.20	4.60	4.08	3.62	3.20	2.84	2.53	2.25	2.00
38.00	DISCHG	1.77	1.57	1.40	1.24	1.11	0.98	0.87	0.77	0.69	0.61
40.00	DISCHG	0.55	0.48	0.43	0.38	0.34	0.30	0.26	0.23	0.20	0.17
42.00	DISCHG	0.15	0.12	0.10	0.08	0.07	0.05	0.04	0.03	0.02	0.02
44.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5735 CFS-HRS= 26307.96 ACRE-FT= 2174.09

SUBROUTINE RUNOFF CROSS SECTION 101
AREA= 1.00 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.20

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.53                           79.790                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362        CFS-HRS=      346.06        ACRE-FT=      28.60

SUBROUTINE REACH     CROSS SECTION 102
LENGTH=  16000.00     INPUT COEFFICIENT=  0.8100     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   7.247       AVERAGE ROUTING COEFF= 0.8100       NUMBER OF ROUTINGS=  2.48

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   14.09                           78.071                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5366        CFS-HRS=      346.29        ACRE-FT=      28.62

SUBROUTINE RUNOFF    CROSS SECTION 103
AREA=   2.97     INPUT RUNOFF CURVE=  68.0     TIME OF CONCENTRATION=  3.80

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.02                           80.546                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3039        CFS-HRS=      582.44        ACRE-FT=      48.13

SUBROUTINE RUNOFF    CROSS SECTION 104
AREA=   9.48     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  5.40

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.81                          358.687                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4983        CFS-HRS=     3048.51        ACRE-FT=     251.93

SUBROUTINE ADDHYD    CROSS SECTION 104
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.73                          433.581                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4519        CFS-HRS=     3630.95        ACRE-FT=     300.06

SUBROUTINE REACH     CROSS SECTION 105
LENGTH=   2700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.17

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
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```
  16.14                          426.252                          (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4519        CFS-HRS=      3630.98        ACRE-FT=      300.06

SUBROUTINE RUNOFF     CROSS SECTION 106
           AREA=   0.99     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.50

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              13.70                     71.410                       (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5359        CFS-HRS=      342.41        ACRE-FT=       28.30

SUBROUTINE ADDHYD     CROSS SECTION 107
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              16.04                    459.357                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4581        CFS-HRS=      3973.39        ACRE-FT=      328.36

SUBROUTINE REACH      CROSS SECTION 108
           LENGTH=   3000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.30

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              16.57                    454.221                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4581        CFS-HRS=      3973.26        ACRE-FT=      328.35

SUBROUTINE RUNOFF     CROSS SECTION 109
           AREA=   3.70     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  4.40

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              15.10                    177.751                       (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361        CFS-HRS=      1280.22        ACRE-FT=      105.80

SUBROUTINE ADDHYD     CROSS SECTION 109
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              16.13                    603.224                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4749        CFS-HRS=      5253.48        ACRE-FT=      434.15
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```
SUBROUTINE REACH     CROSS SECTION 110
          LENGTH=  16000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  6.93

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             19.25                         576.330                        (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4749       CFS-HRS=     5253.42       ACRE-FT=     434.14

SUBROUTINE RUNOFF    CROSS SECTION 111
          AREA=   2.90     INPUT RUNOFF CURVE=  68.0     TIME OF CONCENTRATION=  3.00

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             14.40                          90.501                      (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3039       CFS-HRS=      568.79       ACRE-FT=      47.00

SUBROUTINE ADDHYD    CROSS SECTION 112
          INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             19.18                         609.760                        (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4502       CFS-HRS=     5822.21       ACRE-FT=     481.15

SUBROUTINE RUNOFF    CROSS SECTION 113
          AREA=   1.25     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.20

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             14.23                          76.175                      (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361       CFS-HRS=      432.44       ACRE-FT=      35.74

SUBROUTINE RUNOFF    CROSS SECTION 114
          AREA=   2.05     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  5.00

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             15.45                          89.376                      (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362       CFS-HRS=      709.44       ACRE-FT=      58.63

SUBROUTINE ADDHYD    CROSS SECTION 114
```

```
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   14.69                        155.864                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5362      CFS-HRS=     1141.89      ACRE-FT=      94.37

SUBROUTINE REACH     CROSS SECTION 115
LENGTH=   2700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  1.17

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.20                        152.301                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361      CFS-HRS=     1141.75      ACRE-FT=      94.35

SUBROUTINE RUNOFF    CROSS SECTION 116
AREA=   3.20     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  5.40

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.80                        132.178                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361      CFS-HRS=     1107.23      ACRE-FT=      91.50

SUBROUTINE ADDHYD    CROSS SECTION 116
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.59                        281.860                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361      CFS-HRS=     2248.94      ACRE-FT=     185.85

SUBROUTINE REACH     CROSS SECTION 117
LENGTH=   2500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.47CC      NUMBER OF ROUTINGS=  1.08

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.59                        278.655                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5361      CFS-HRS=     2248.98      ACRE-FT=     185.86

SUBROUTINE ADDHYD    CROSS SECTION 118
INPUT HYDROGRAPHS= 5,4      OUTPUT HYDROGRAPH= 7
```

```
            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
               18.71                       791.210                        (NULL)

            TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4712        CFS-HRS=     8071.23        ACRE-FT=     667.01

SUBROUTINE RUNOFF     CROSS SECTION 120
            AREA=   0.58     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.30

            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
               12.80                        66.271                       (RUNOFF)

            TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5350        CFS-HRS=      200.27        ACRE-FT=      16.55

SUBROUTINE ADDHYD     CROSS SECTION 120
            INPUT HYDROGRAPHS= 7,6     OUTPUT HYDROGRAPH= 4

            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
               18.69                       799.291                        (NULL)

            TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4726        CFS-HRS=     8271.50        ACRE-FT=     683.56

SUBROUTINE REACH      CROSS SECTION 121
            LENGTH=  4650.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

            AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  2.01

            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
               19.57                       792.003                        (NULL)

            TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4726        CFS-HRS=     8271.50        ACRE-FT=     683.56

SUBROUTINE RUNOFF     CROSS SECTION 122
            AREA=   0.41     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
               12.49                        60.026                       (RUNOFF)
               21.77                         4.309                       (RUNOFF)
               23.76                         3.732                       (RUNOFF)

            TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5363        CFS-HRS=      141.91        ACRE-FT=      11.73

SUBROUTINE ADDHYD     CROSS SECTION 123
            INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

            PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
```

```
   19.56                          797.095                          (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4735        CFS-HRS=     8413.40        ACRE-FT=     695.28

SUBROUTINE REACH     CROSS SECTION 124
           LENGTH=   2400.00      INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.04

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              20.00                        793.524                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4735        CFS-HRS=     8413.39        ACRE-FT=     695.28

SUBROUTINE RUNOFF    CROSS SECTION 125
           AREA=   0.54     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.47

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.20                        117.826                       (RUNOFF)
              16.91                          8.857                       (RUNOFF)
              19.38                          6.686                       (RUNOFF)
              21.58                          5.855                       (RUNOFF)
              23.58                          5.090                       (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.5372        CFS-HRS=      187.22        ACRE-FT=      15.47

SUBROUTINE ADDHYD    CROSS SECTION 125
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.24                        130.725                        (NULL)
              19.99                        799.609                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4748        CFS-HRS=     8600.60        ACRE-FT=     710.75

SUBROUTINE REACH     CROSS SECTION 126
           LENGTH=   1800.00      INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  0.78

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.84                        103.745                        (NULL)
              20.33                        797.003                        (NULL)

     TIME                          HYDROGRAPH, TZERO=   0.0        DELTA T= 0.20        DRAINAGE AREA=  28.07
     0.0   DISCHG    0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0
```

2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	3.19
12.00	DISCHG	21.36	60.84	95.14	103.24	103.73	103.53	104.58	108.70	116.04	126.74
14.00	DISCHG	139.94	155.18	172.22	190.78	210.91	232.27	254.65	277.69	301.07	324.77
16.00	DISCHG	348.60	372.60	396.93	421.73	447.25	473.62	500.75	528.45	556.50	584.67
18.00	DISCHG	612.51	639.63	665.56	689.88	712.30	732.55	750.34	765.45	777.70	786.98
20.00	DISCHG	793.18	796.41	796.85	794.61	789.81	782.53	773.07	761.84	749.07	734.84
22.00	DISCHG	719.25	702.64	685.34	667.55	649.45	631.11	612.80	594.82	577.31	560.18
24.00	DISCHG	543.35	526.87	510.44	493.99	478.17	463.15	448.86	435.20	422.10	409.47
26.00	DISCHG	397.26	385.40	373.85	362.61	351.64	340.93	330.47	320.25	310.24	300.44
28.00	DISCHG	290.85	281.44	272.21	263.13	254.19	245.36	236.62	227.93	219.29	210.67
30.00	DISCHG	202.07	193.48	184.90	176.34	167.82	159.35	150.98	142.72	134.60	126.65
32.00	DISCHG	118.89	111.35	104.05	97.01	90.25	83.78	77.61	71.74	66.19	60.95
34.00	DISCHG	56.03	51.42	47.11	43.11	39.41	35.98	32.82	29.92	27.25	24.81
36.00	DISCHG	22.58	20.54	18.69	16.99	15.45	14.05	12.77	11.61	10.55	9.59
38.00	DISCHG	8.71	7.91	7.18	6.52	5.92	5.37	4.87	4.42	4.01	3.63
40.00	DISCHG	3.29	2.97	2.69	2.43	2.19	1.98	1.78	1.61	1.44	1.30
42.00	DISCHG	1.16	1.04	0.94	0.84	0.75	0.67	0.60	0.53	0.47	0.42
44.00	DISCHG	0.37	0.33	0.29	0.26	0.22	0.19	0.17	0.15	0.12	0.11
46.00	DISCHG	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4747 CFS-HRS= 8600.13 ACRE-FT= 710.71

SUBROUTINE ADDHYD CROSS SECTION 127
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.31	810.693	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4769 CFS-HRS= 8946.42 ACRE-FT= 739.33

SUBROUTINE REACH CROSS SECTION 128
LENGTH= 9000.00 INPUT COEFFICIENT= 0.8100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 7.247 AVERAGE ROUTING COEFF= 0.8100 NUMBER OF ROUTINGS= 1.40

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.64	809.930	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 29.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05
12.00	DISCHG	1.59	11.65	38.90	75.36	101.70	116.27	127.73	140.63	155.88	172.71
14.00	DISCHG	190.03	206.79	222.53	237.30	251.43	265.54	280.40	296.56	314.09	332.74
16.00	DISCHG	352.29	372.54	393.37	414.80	436.92	459.88	483.82	508.75	534.55	561.01
18.00	DISCHG	587.89	614.85	641.48	667.33	691.94	714.92	735.96	754.75	771.03	784.60
20.00	DISCHG	795.31	803.08	807.89	809.86	809.11	805.75	799.87	791.65	781.41	769.46
22.00	DISCHG	755.97	741.08	724.98	708.00	690.40	672.39	654.07	635.64	617.34	599.38
24.00	DISCHG	581.82	564.61	547.73	531.06	514.43	498.07	482.28	467.12	452.51	438.37
26.00	DISCHG	424.66	411.33	398.39	385.82	373.63	361.82	350.39	339.32	328.58	318.14
28.00	DISCHG	307.97	298.05	288.37	278.90	269.62	260.50	251.53	242.67	233.91	225.20
30.00	DISCHG	216.54	207.90	199.28	190.68	182.10	173.54	165.04	156.60	148.26	140.05
32.00	DISCHG	131.99	124.11	116.43	108.97	101.76	94.82	88.15	81.78	75.71	69.95
34.00	DISCHG	64.50	59.37	54.55	50.04	45.84	41.93	38.32	34.98	31.90	29.07
36.00	DISCHG	26.48	24.11	21.94	19.96	18.15	16.51	15.01	13.65	12.41	11.28
38.00	DISCHG	10.25	9.31	8.46	7.68	6.98	6.33	5.75	5.22	4.73	4.29
40.00	DISCHG	3.89	3.52	3.19	2.88	2.61	2.36	2.13	1.92	1.73	1.56
42.00	DISCHG	1.40	1.26	1.13	1.01	0.90	0.81	0.72	0.64	0.57	0.51
44.00	DISCHG	0.46	0.40	0.36	0.32	0.28	0.25	0.21	0.19	0.16	0.14
46.00	DISCHG	0.12	0.10	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4769 CFS-HRS= 8946.49 ACRE-FT= 739.34

SUBROUTINE ADDHYD CROSS SECTION 129
INPUT HYDROGRAPHS= 5,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.18	3263.016	(NULL)
18.81	3166.746	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 100.15

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.37	1.88	11.32
12.00	DISCHG	40.23	96.17	167.95	245.30	323.43	416.69	552.00	742.35	1004.40	1337.89
14.00	DISCHG	1734.68	2161.62	2571.78	2907.43	3131.19	3241.81	3262.69	3229.40	3177.65	3130.13
16.00	DISCHG	3094.41	3069.99	3052.24	3039.16	3030.33	3026.71	3029.30	3038.23	3053.21	3073.93
18.00	DISCHG	3098.67	3124.10	3145.93	3160.89	3166.74	3161.72	3144.80	3115.71	3074.73	3022.53
20.00	DISCHG	2960.48	2890.32	2814.36	2735.00	2653.81	2572.13	2491.15	2411.75	2334.55	2259.66
22.00	DISCHG	2186.98	2116.45	2048.36	1983.16	1921.00	1861.77	1805.50	1752.27	1702.16	1654.86
24.00	DISCHG	1609.75	1566.12	1523.36	1481.39	1440.26	1400.22	1361.25	1323.06	1284.96	1245.94
26.00	DISCHG	1205.11	1161.52	1114.85	1065.33	1014.16	962.98	913.54	866.89	823.43	783.04
28.00	DISCHG	745.19	709.34	675.23	642.50	611.07	580.92	551.84	523.65	496.20	469.44
30.00	DISCHG	443.34	417.76	392.62	367.88	343.64	320.12	297.40	275.51	254.52	234.51
32.00	DISCHG	215.61	197.90	181.33	165.87	151.48	138.19	126.00	114.79	104.49	95.02
34.00	DISCHG	86.34	78.43	71.22	64.63	58.61	53.12	48.13	43.62	39.51	35.78
36.00	DISCHG	32.38	29.31	26.54	24.04	21.77	19.71	17.85	16.17	14.65	13.28

38.00	DISCHG	12.02	10.88	9.85	8.93	8.08	7.31	6.62	5.99	5.42	4.90
40.00	DISCHG	4.43	4.00	3.62	3.26	2.95	2.65	2.39	2.15	1.93	1.73
42.00	DISCHG	1.55	1.38	1.23	1.09	0.97	0.86	0.76	0.68	0.60	0.53
44.00	DISCHG	0.46	0.40	0.36	0.32	0.28	0.25	0.21	0.19	0.16	0.14
46.00	DISCHG	0.12	0.10	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5454 CFS-HRS= 35254.08 ACRE-FT= 2913.40

SUBROUTINE REACH CROSS SECTION 130
LENGTH= 11000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 2.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.83	3226.186	(NULL)
19.38	3161.372	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.5454 CFS-HRS= 35254.19 ACRE-FT= 2913.41

39.8
11.4
28.2

```
                                                                                                PASS=  2
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT 131/  0     TO XSECTN/STRUCT 158/  0
        STARTING TIME=  0.0     RAIN DEPTH=  2.20     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 2

SUBROUTINE RUNOFF    CROSS SECTION 131
        AREA=   1.56    INPUT RUNOFF CURVE=  68.0    TIME OF CONCENTRATION=  2.80

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           14.30                          41.326                       (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2652        CFS-HRS=      267.02        ACRE-FT=      22.07

SUBROUTINE REACH     CROSS SECTION 132
        LENGTH=  28400.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS= 12.30

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           19.73                          33.579                       (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2652        CFS-HRS=      266.95        ACRE-FT=      22.06

SUBROUTINE RUNOFF    CROSS SECTION 133
        AREA=   6.11     INPUT RUNOFF CURVE=  50.0     TIME OF CONCENTRATION=  5.60

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           25.74                           2.231                       (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0039        CFS-HRS=       15.43        ACRE-FT=       1.28

SUBROUTINE ADDHYD    CROSS SECTION 134
        INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
           19.76                          33.763                       (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0570        CFS-HRS=      282.38        ACRE-FT=      23.34

SUBROUTINE REACH     CROSS SECTION 135
        LENGTH=  17000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  7.36

        PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
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23.06                          31.540                    (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0570      CFS-HRS=      282.37      ACRE-FT=      23.33

SUBROUTINE RUNOFF    CROSS SECTION 136
           AREA=   3.60     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  3.20

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              23.47                       4.884                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0195      CFS-HRS=       45.37      ACRE-FT=       3.75

SUBROUTINE ADDHYD    CROSS SECTION 136
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              23.06                      36.426                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0451      CFS-HRS=      327.73      ACRE-FT=      27.08

SUBROUTINE RUNOFF    CROSS SECTION 137
           AREA=   4.68     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  5.60

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              24.05                       5.987                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0195      CFS-HRS=       58.98      ACRE-FT=       4.87

SUBROUTINE REACH     CROSS SECTION 138
           LENGTH=  12700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  5.50

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              26.45                       5.903                     (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0195      CFS-HRS=       58.97      ACRE-FT=       4.87

SUBROUTINE RUNOFF    CROSS SECTION 139
           AREA=   0.72     INPUT RUNOFF CURVE=  55.0     TIME OF CONCENTRATION=  2.40

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              18.36                       1.638                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0363      CFS-HRS=       16.85      ACRE-FT=       1.39
```

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SUBROUTINE ADDHYD     CROSS SECTION 139
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              24.64                        6.806                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0218      CFS-HRS=      75.81      ACRE-FT=      6.26

SUBROUTINE ADDHYD     CROSS SECTION 140
           INPUT HYDROGRAPHS= 4,7      OUTPUT HYDROGRAPH= 6

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              23.18                       42.687                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0375      CFS-HRS=     403.54      ACRE-FT=     33.35

SUBROUTINE REACH      CROSS SECTION 141
           LENGTH=  2000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  0.87

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              23.57                       42.471                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0375      CFS-HRS=     403.54      ACRE-FT=     33.35

SUBROUTINE RUNOFF     CROSS SECTION 142
           AREA=    5.25     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.30

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              14.26                      276.236                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4822      CFS-HRS=    1633.84      ACRE-FT=    135.02

SUBROUTINE ADDHYD     CROSS SECTION 143
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              14.27                      276.534                        (NULL)
              22.62                       95.656                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1440      CFS-HRS=    2037.34      ACRE-FT=    168.37
```

SUBROUTINE REACH CROSS SECTION 144
LENGTH= 1800.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 0.78

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.72	270.790	(NULL)
22.94	95.506	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 21.92

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	1.88	5.36
12.00	DISCHG	10.62	20.53	34.78	52.27	75.89	103.66	133.19	162.84	192.30	219.21
14.00	DISCHG	238.94	254.81	265.80	269.99	270.47	266.66	258.58	248.37	236.56	223.70
16.00	DISCHG	210.67	198.74	187.62	177.14	167.87	159.23	151.15	143.92	137.15	130.90
18.00	DISCHG	125.32	120.13	115.42	111.20	107.30	103.87	100.84	98.14	95.90	94.03
20.00	DISCHG	92.49	91.45	90.73	90.34	90.31	90.52	90.94	91.55	92.23	92.96
22.00	DISCHG	93.67	94.30	94.84	95.24	95.45	95.50	95.34	94.98	94.47	93.78
24.00	DISCHG	92.89	91.78	90.46	88.86	86.91	84.69	82.06	79.01	75.71	72.07
26.00	DISCHG	68.21	64.25	60.31	56.40	52.59	49.08	45.75	42.66	39.95	37.46
28.00	DISCHG	35.23	33.28	31.49	29.89	28.45	27.11	25.89	24.75	23.68	22.70
30.00	DISCHG	21.77	20.89	20.07	19.29	18.54	17.84	17.16	16.51	15.88	15.27
32.00	DISCHG	14.68	14.09	13.52	12.95	12.38	11.81	11.23	10.65	10.07	9.48
34.00	DISCHG	8.89	8.31	7.73	7.15	6.60	6.05	5.53	5.04	4.57	4.12
36.00	DISCHG	3.70	3.32	2.96	2.63	2.33	2.06	1.82	1.60	1.40	1.23
38.00	DISCHG	1.08	0.94	0.82	0.72	0.62	0.54	0.47	0.41	0.36	0.31
40.00	DISCHG	0.27	0.23	0.20	0.18	0.15	0.13	0.11	0.10	0.08	0.07
42.00	DISCHG	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1440 CFS-HRS= 2037.39 ACRE-FT= 168.37

SUBROUTINE ADDHYD CROSS SECTION 145
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.78	3449.783	(NULL)
19.33	3260.121	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 122.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	1.90	5.53

.00	DISCHG	11.54	25.98	55.86	108.[illegible]	186.57	282.09	385.91	498.73	635.11	8[illegible]8
14.00	DISCHG	1032.84	1318.48	1665.47	2056.45	2462.40	2836.80	3134.75	3332.79	3430.99	344[illegible].46
16.00	DISCHG	3418.90	3368.95	3318.10	3274.73	3240.53	3213.42	3192.07	3176.57	3167.03	3164.01
18.00	DISCHG	3167.75	3177.82	3193.48	3212.68	3232.03	3248.17	3258.10	3259.43	3250.63	3230.65
20.00	DISCHG	3199.18	3156.59	3103.53	3041.29	2971.74	2896.92	2818.77	2738.92	2658.62	2579.00
22.00	DISCHG	2500.86	2424.61	2350.43	2278.28	2208.24	2140.59	2075.56	2013.25	1953.73	1897.02
24.00	DISCHG	1843.16	1792.04	1743.34	1696.40	1650.56	1605.51	1560.94	1516.93	1473.68	1431.03
26.00	DISCHG	1388.72	1346.16	1302.61	1257.20	1209.32	1158.93	1106.38	1052.82	999.89	948.79
28.00	DISCHG	900.48	855.36	813.20	773.66	736.32	700.78	666.84	634.34	603.11	573.02
30.00	DISCHG	543.88	515.55	487.99	461.09	434.75	408.91	383.55	358.79	334.76	311.52
32.00	DISCHG	289.13	267.67	247.22	227.88	209.68	192.60	176.63	161.74	147.95	135.20
34.00	DISCHG	123.43	112.56	102.54	93.33	84.89	77.14	70.04	63.54	57.59	52.18
36.00	DISCHG	47.25	42.76	38.68	34.97	31.61	28.57	25.82	23.34	21.09	19.06
38.00	DISCHG	17.23	15.57	14.07	12.71	11.49	10.38	9.38	8.48	7.66	6.92
40.00	DISCHG	6.25	5.65	5.10	4.60	4.15	3.74	3.37	3.04	2.73	2.45
42.00	DISCHG	2.20	1.98	1.77	1.58	1.41	1.25	1.11	0.97	0.86	0.76
44.00	DISCHG	0.68	0.60	0.52	0.46	0.41	0.36	0.32	0.28	0.24	0.21
46.00	DISCHG	0.19	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.04
48.00	DISCHG	0.03	0.01	0.0							

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4734 CFS-HRS= 37291.60 ACRE-FT= 3081.78

SUBROUTINE REACH CROSS SECTION 146
LENGTH= 7000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.43

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.19	3416.090	(NULL)
19.68	3256.527	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4734 CFS-HRS= 37291.60 ACRE-FT= 3081.78

SUBROUTINE RUNOFF CROSS SECTION 147
AREA= 3.07 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 5.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.47	1.182	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0039 CFS-HRS= 7.75 ACRE-FT= 0.64

SUBROUTINE RUNOFF CROSS SECTION 148
AREA= 0.69 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 1.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
24.05	0.355	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0039 CFS-HRS= 1.74 ACRE-FT= 0.14

SUBROUTINE ADDHYD CROSS SECTION 148
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
24.67	1.477	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0039 CFS-HRS= 9.49 ACRE-FT= 0.78

SUBROUTINE REACH CROSS SECTION 149
LENGTH= 29350.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 12.71

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
29.90	1.322	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0039 CFS-HRS= 9.47 ACRE-FT= 0.78

SUBROUTINE RUNOFF CROSS SECTION 150
AREA= 5.93 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 5.60

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.00	3.793	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0078 CFS-HRS= 29.95 ACRE-FT= 2.48

SUBROUTINE ADDHYD CROSS SECTION 151
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.79	4.092	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 9.69

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.00	DISCHG	0.01	0.01	0.02	0.03	0.05	0.06	0.08	0.11	0.16	0.21
18.00	DISCHG	0.26	0.30	0.38	0.47	0.56	0.65	0.74	0.87	0.99	1.11
20.00	DISCHG	1.23	1.36	1.49	1.63	1.76	1.90	2.03	2.16	2.29	2.42

22.00	DISCHG	2.55	2.67	2.78	2.90	3.02	3.14	3.24	3.35	3.46	3.57
24.00	DISCHG	3.68	3.75	3.82	3.90	3.98	4.04	4.05	4.06	4.08	4.09
26.00	DISCHG	4.07	4.00	3.93	3.86	3.80	3.71	3.61	3.50	3.40	3.30
28.00	DISCHG	3.20	3.10	3.00	2.90	2.79	2.71	2.63	2.53	2.43	2.33
30.00	DISCHG	2.26	2.18	2.10	2.01	1.92	1.84	1.75	1.66	1.57	1.49
32.00	DISCHG	1.40	1.32	1.24	1.15	1.08	1.00	0.93	0.86	0.79	0.73
34.00	DISCHG	0.67	0.62	0.57	0.52	0.48	0.44	0.40	0.36	0.33	0.30
36.00	DISCHG	0.28	0.25	0.23	0.21	0.19	0.17	0.16	0.14	0.13	0.12
38.00	DISCHG	0.11	0.10	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04
40.00	DISCHG	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
42.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0063 CFS-HRS= 39.42 ACRE-FT= 3.26

SUBROUTINE ADDHYD CROSS SECTION 152
INPUT HYDROGRAPHS= 7,3 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.19	3416.099	(NULL)
19.68	3257.565	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4390 CFS-HRS= 37330.98 ACRE-FT= 3085.03

SUBROUTINE REACH CROSS SECTION 153
LENGTH= 20000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 4.08

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.38	3377.364	(NULL)
20.73	3250.421	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4390 CFS-HRS= 37330.94 ACRE-FT= 3085.03

SUBROUTINE RUNOFF CROSS SECTION 154
AREA= 1.03 INPUT RUNOFF CURVE= 68.0 TIME OF CONCENTRATION= 1.70

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.32	37.697	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2652 CFS-HRS= 176.30 ACRE-FT= 14.57

SUBROUTINE ADDHYD CROSS SECTION 155
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS

17.37	3388.699	(NULL)
20.72	3258.157	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 132.79

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10
12.00	DISCHG	3.46	8.20	15.59	23.60	31.77	38.10	44.86	54.57	71.08	101.71
14.00	DISCHG	150.16	217.04	299.83	397.43	513.25	654.72	831.89	1054.76	1328.61	1650.14
16.00	DISCHG	2004.64	2365.86	2701.36	2981.56	3187.88	3316.50	3377.31	3388.44	3369.44	3336.52
18.00	DISCHG	3300.39	3266.70	3237.86	3214.67	3197.45	3186.43	3181.80	3183.56	3191.24	3203.74
20.00	DISCHG	3219.11	3234.84	3248.17	3256.47	3257.48	3249.49	3231.38	3202.67	3163.39	3114.18
22.00	DISCHG	3056.11	2990.66	2919.53	2844.40	2766.84	2688.21	2609.61	2531.93	2455.70	2381.27
24.00	DISCHG	2308.77	2238.38	2170.14	2104.24	2040.84	1980.01	1921.96	1866.69	1814.11	1763.91
26.00	DISCHG	1715.57	1668.68	1622.86	1577.87	1533.61	1490.01	1446.87	1403.89	1360.58	1316.33
28.00	DISCHG	1270.53	1222.78	1173.04	1121.72	1069.68	1017.95	967.54	919.25	873.48	830.33
30.00	DISCHG	789.69	751.27	714.83	680.11	646.92	615.07	584.40	554.75	525.99	498.03
32.00	DISCHG	470.75	444.08	417.98	392.45	367.55	343.34	319.90	297.29	275.61	254.92
34.00	DISCHG	235.28	216.74	199.29	182.95	167.71	153.54	140.41	128.25	117.03	106.68
36.00	DISCHG	97.16	88.41	80.38	73.01	66.27	60.11	54.48	49.35	44.68	40.43
38.00	DISCHG	36.57	33.07	29.89	27.02	24.42	22.07	19.95	18.03	16.30	14.73
40.00	DISCHG	13.31	12.03	10.87	9.82	8.87	8.02	7.24	6.54	5.91	5.33
42.00	DISCHG	4.81	4.34	3.91	3.53	3.18	2.86	2.56	2.30	2.06	1.85
44.00	DISCHG	1.65	1.47	1.31	1.16	1.03	0.91	0.80	0.71	0.63	0.55
46.00	DISCHG	0.49	0.43	0.38	0.33	0.29	0.26	0.23	0.20	0.17	0.15
48.00	DISCHG	0.13	0.11	0.09	0.08	0.06	0.05	0.04	0.03	0.02	0.01
50.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4377 CFS-HRS= 37507.25 ACRE-FT= 3099.60

SUBROUTINE RUNOFF CROSS SECTION 156
AREA= 15.90 INPUT RUNOFF CURVE= 54.0 TIME OF CONCENTRATION= 3.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
21.82	27.094	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0273 CFS-HRS= 279.86 ACRE-FT= 23.13

SUBROUTINE REACH CROSS SECTION 157
LENGTH= 46000.00 INPUT COEFFICIENT= 0.7000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 3.967 AVERAGE ROUTING COEFF= 0.7000 NUMBER OF ROUTINGS= 11.27

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.12	27.065	(NULL)

22/25

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TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.02        CFS-HRS=      279.85        ACRE-FT=      23.13

SUBROUTINE RUNOFF    CROSS SECTION 158
          AREA=  4.70     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  3.20

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            23.47                       6.376                        (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0195      CFS-HRS=       59.23        ACRE-FT=       4.89

SUBROUTINE ADDHYD    CROSS SECTION 158
          INPUT HYDROGRAPHS= 5,6    OUTPUT HYDROGRAPH= 4

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            24.15                      33.206                         (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0255      CFS-HRS=      339.08        ACRE-FT=      28.02
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                                                                                                PASS=  2
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT 159/  0     TO XSECTN/STRUCT 174/  0
        STARTING TIME=  0.0     RAIN DEPTH=  2.15     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 2

SUBROUTINE RUNOFF    CROSS SECTION 159
           AREA=   7.90     INPUT RUNOFF CURVE=  58.0     TIME OF CONCENTRATION=  4.30

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              18.35                        28.209                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0619        CFS-HRS=      315.50        ACRE-FT=      26.07

SUBROUTINE RUNOFF    CROSS SECTION 160
           AREA=   9.00     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.70

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.91                       414.122                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3888        CFS-HRS=     2258.02        ACRE-FT=     186.60

SUBROUTINE ADDHYD    CROSS SECTION 161
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.93                       420.641                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2360        CFS-HRS=     2573.52        ACRE-FT=     212.68

SUBROUTINE REACH     CROSS SECTION 162
           LENGTH=  8800.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  3.81

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.65                       381.002                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2359        CFS-HRS=     2572.39        ACRE-FT=     212.58

SUBROUTINE RUNOFF    CROSS SECTION 163
           AREA=  16.60     INPUT RUNOFF CURVE=  65.0     TIME OF CONCENTRATION=  3.80

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              15.54                       228.214                        (RUNOFF)
```

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1780 CFS-HRS= 1906.67 ACRE-FT= 157.57

SUBROUTINE ADDHYD CROSS SECTION 164
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
15.60 608.741 (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2072 CFS-HRS= 4479.08 ACRE-FT= 370.15

SUBROUTINE REACH CROSS SECTION 165
LENGTH= 5200.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 2.25

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
16.58 583.038 (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2072 CFS-HRS= 4479.07 ACRE-FT= 370.15

SUBROUTINE RUNOFF CROSS SECTION 166
AREA= 6.00 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 2.50

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
14.06 133.912 (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2224 CFS-HRS= 861.12 ACRE-FT= 71.16

SUBROUTINE ADDHYD CROSS SECTION 167
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS
16.48 662.096 (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 39.50

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	4.73
12.00	DISCHG	8.87	21.11	34.20	54.82	77.64	100.82	126.29	150.76	176.72	205.51
14.00	DISCHG	236.79	273.21	311.62	355.42	402.32	450.49	498.04	542.57	581.95	614.05
16.00	DISCHG	638.48	654.26	661.43	660.73	653.49	641.19	625.02	606.51	586.41	565.86
18.00	DISCHG	545.08	524.77	505.00	486.02	467.88	450.73	434.52	419.34	405.15	391.90
20.00	DISCHG	379.55	368.00	357.28	347.18	337.71	328.77	320.36	312.38	304.90	297.81

2..00	DISCHG	291.19	284.96	279.05	273.4	268.10	263.00	258.13	253.50	249.08	24 .7
24.00	DISCHG	240.83	236.67	232.64	227.97	223.17	217.61	211.68	205.36	198.62	191.72
26.00	DISCHG	184.55	177.00	169.34	161.20	153.07	144.36	135.53	126.30	116.98	107.50
28.00	DISCHG	98.17	89.04	80.23	71.89	64.13	56.98	50.44	44.54	39.21	34.46
30.00	DISCHG	30.22	26.48	23.15	20.23	17.67	15.42	13.45	11.74	10.24	8.93
32.00	DISCHG	7.79	6.80	5.94	5.18	4.53	3.95	3.44	3.00	2.62	2.28
34.00	DISCHG	1.98	1.72	1.49	1.29	1.12	0.96	0.83	0.72	0.62	0.53
36.00	DISCHG	0.45	0.39	0.33	0.28	0.24	0.20	0.17	0.14	0.12	0.10
38.00	DISCHG	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.01
40.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2095 CFS-HRS= 5340.18 ACRE-FT= 441.31

SUBROUTINE REACH CROSS SECTION 168
LENGTH= 21000.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 9.09

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.52	599.586	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2095 CFS-HRS= 5339.89 ACRE-FT= 441.29

SUBROUTINE RUNOFF CROSS SECTION 169
AREA= 3.90 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 4.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.08	1.066	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0022 CFS-HRS= 5.56 ACRE-FT= 0.46

SUBROUTINE ADDHYD CROSS SECTION 169
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.52	599.675	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1908 CFS-HRS= 5345.45 ACRE-FT= 441.75

SUBROUTINE RUNOFF CROSS SECTION 170
AREA= 13.90 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.39	786.172	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3889 CFS-HRS= 3488.52 ACRE-FT= 288.29

```
SUBROUTINE ADDHYD    CROSS SECTION 171
           INPUT HYDROGRAPHS= 2,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              13.39                       786.172                    (NULL)
              20.39                       737.769                    (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2389      CFS-HRS=     8833.99      ACRE-FT=     730.04

SUBROUTINE REACH     CROSS SECTION 172
           LENGTH=  16000.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  6.93

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              16.49                       601.322                    (NULL)
              23.41                       706.384                    (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2388      CFS-HRS=     8830.08      ACRE-FT=     729.72

SUBROUTINE RUNOFF    CROSS SECTION 173
           AREA=  8.30    INPUT RUNOFF CURVE=  79.0    TIME OF CONCENTRATION=  1.40

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              12.83                      1099.484                   (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.6107      CFS-HRS=     3271.03      ACRE-FT=     270.32

SUBROUTINE ADDHYD    CROSS SECTION 174
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES            PEAK ELEVATIONS
              12.83                      1099.493                   (NULL)
              16.31                       782.102                   (NULL)
              23.31                       786.873                   (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2858      CFS-HRS=    12101.13      ACRE-FT=    1000.04
```

PASS= 2

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 175/ 0 TO XSECTN/STRUCT 190/ 0
STARTING TIME= 0.0 RAIN DEPTH= 2.10 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 2

SUBROUTINE RUNOFF CROSS SECTION 175
AREA= 2.60 INPUT RUNOFF CURVE= 53.0 TIME OF CONCENTRATION= 3.20

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
23.93	2.458	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0116 CFS-HRS= 19.41 ACRE-FT= 1.60

SUBROUTINE ADDHYD CROSS SECTION 176
INPUT HYDROGRAPHS= 2,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.83	1099.493	(NULL)
16.31	782.289	(NULL)
23.31	789.308	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 68.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.15	1.67	20.34	87.64
12.00	DISCHG	252.00	541.20	832.42	1026.96	1098.21	1061.64	944.89	799.76	686.41	598.36
14.00	DISCHG	533.82	493.38	477.37	485.86	513.44	554.99	604.48	655.62	702.73	741.29
16.00	DISCHG	767.68	780.73	781.22	771.29	753.60	730.37	703.42	674.41	644.79	615.75
18.00	DISCHG	588.31	563.07	540.86	522.20	507.55	497.33	491.81	491.09	494.69	502.04
20.00	DISCHG	512.65	526.12	542.29	560.97	581.58	603.57	626.56	650.22	674.25	697.93
22.00	DISCHG	719.95	739.53	756.22	769.67	779.66	785.97	788.93	789.07	786.77	782.14
24.00	DISCHG	775.03	763.58	747.08	725.53	700.51	674.21	648.55	625.02	603.65	583.87
26.00	DISCHG	565.28	547.60	530.60	514.08	497.68	481.23	464.62	447.82	430.95	414.12
28.00	DISCHG	397.52	381.39	365.91	351.25	337.54	324.80	313.05	302.26	292.36	283.26
30.00	DISCHG	274.87	267.08	259.77	252.84	246.19	239.73	233.36	227.03	220.68	214.24
32.00	DISCHG	207.68	200.96	194.07	186.98	179.70	172.23	164.57	156.75	148.80	140.75
34.00	DISCHG	132.65	124.53	116.46	108.48	100.65	93.02	85.63	78.52	71.73	65.29
36.00	DISCHG	59.22	53.53	48.23	43.32	38.80	34.66	30.88	27.45	24.34	21.55
38.00	DISCHG	19.04	16.80	14.80	13.02	11.44	10.04	8.80	7.71	6.75	5.90
40.00	DISCHG	5.16	4.51	3.94	3.43	2.99	2.61	2.27	1.98	1.72	1.49
42.00	DISCHG	1.30	1.12	0.97	0.84	0.73	0.63	0.54	0.47	0.40	0.34
44.00	DISCHG	0.30	0.25	0.22	0.19	0.16	0.13	0.11	0.10	0.08	0.07
46.00	DISCHG	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2754 CFS-HRS= 12120.54 ACRE-FT= 1001.64

```
SUBROUTINE REACH      CROSS SECTICN 177
          LENGTH=  18300.00      INPUT COEFFICIENT=  0.5700      INPUT RCUTINGS=  0.0

          AVERAGE WATER VELOCITY=   2.253        AVERAGE ROUTING COEFF= 0.5700        NUMBER OF ROUTINGS=  6.43

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             15.14                       820.792                      (NULL)
             18.60                       741.716                      (NULL)
             25.59                       777.246                      (NULL)

          TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2754        CFS-HRS=    12120.28        ACRE-FT=    1001.62

SUBROUTINE ADDHYD     CROSS SECTICN 178
          INPUT HYDROGRAPHS= 5,4      OUTPUT HYDROGRAPH= 7

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATICNS
             15.15                       821.318                      (NULL)
             18.64                       753.780                      (NULL)
             25.56                       808.924                      (NULL)

          TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2174        CFS-HRS=    12459.35        ACRE-FT=    1029.64

SUBROUTINE REACH      CROSS SECTION 179
          LENGTH=    7000.00      INPUT COEFFICIENT=  0.7000      INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=   3.967        AVERAGE ROUTING COEFF= 0.700C        NUMBER OF ROUTINGS=  1.72

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
             15.65                       804.374                      (NULL)
             19.13                       749.464                      (NULL)
             26.C4                       807.148                      (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2174        CFS-HRS=    12459.33        ACRE-FT=    1029.64

SUBRCUTINE RUNOFF     CROSS SECTICN 180
          AREA=  16.50      INPUT RUNOFF CURVE=  54.0      TIME OF CONCENTRATION=  2.60

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATICNS
             22.84                       20.697                      (RUNOFF)

          TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0176        CFS-HRS=      187.27        ACRE-FT=      15.48

SUBRCUTINE ADDHYD     CROSS SECTICN 181
          INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4
```

PEAK TIMES
15.66
19.14
25.94

PEAK DISCHARGES
808.628
767.980
816.410

PEAK ELEVATIONS
(NULL)
(NULL)
(NULL)

DRAINAGE AREA= 105.30

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.00	DISCHG	74.74	146.39	247.98	371.69	502.77	623.59	718.86	779.86	804.83	798.70
16.00	DISCHG	769.75	727.81	682.19	640.49	608.24	588.65	582.72	589.77	607.50	632.92
18.00	DISCHG	662.33	692.31	719.65	742.00	757.81	766.35	767.67	762.29	751.21	735.53
20.00	DISCHG	716.53	695.40	673.30	651.27	630.23	611.00	594.27	580.58	570.30	563.68
22.00	DISCHG	560.81	561.62	565.95	573.59	584.25	597.60	613.33	631.06	650.40	670.88
24.00	DISCHG	692.01	713.07	733.54	752.68	769.84	784.78	796.76	806.01	812.31	815.69
26.00	DISCHG	816.27	813.84	808.36	799.67	787.67	772.71	754.97	735.29	714.18	692.43
28.00	DISCHG	670.53	648.92	627.81	607.30	587.39	567.97	548.96	530.22	511.68	493.27
30.00	DISCHG	475.00	456.89	439.04	421.56	404.56	388.17	372.52	357.68	343.72	330.67
32.00	DISCHG	318.53	307.26	296.81	287.12	278.10	269.66	261.70	254.13	246.87	239.83
34.00	DISCHG	232.92	226.10	219.29	212.46	205.54	198.53	191.38	184.10	176.67	169.10
36.00	DISCHG	161.40	153.60	145.71	137.77	129.83	121.91	114.07	106.35	98.79	91.43
38.00	DISCHG	84.32	77.48	70.94	64.74	58.87	53.37	48.23	43.45	39.04	34.97
40.00	DISCHG	31.26	27.87	24.79	22.01	19.50	17.25	15.23	13.43	11.83	10.40
42.00	DISCHG	9.14	8.02	7.03	6.16	5.39	4.71	4.12	3.60	3.14	2.74
44.00	DISCHG	2.38	2.08	1.81	1.57	1.36	1.18	1.03	0.89	0.77	0.66
46.00	DISCHG	0.57	0.49	0.43	0.37	0.31	0.27	0.23	0.20	0.17	0.14
48.00	DISCHG	0.12	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
50.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1861 CFS-HRS= 12646.60 ACRE-FT= 1045.11

SUBROUTINE ADDHYD CROSS SECTION 182
INPUT HYDROGRAPHS= 3,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES
17.49

PEAK DISCHARGES
3980.049

PEAK ELEVATIONS
(NULL)

DRAINAGE AREA= 238.09

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10
12.00	DISCHG	3.46	8.20	15.59	23.60	31.77	38.18	45.48	57.66	82.33	133.80

1 CC	DISCHG	224.90	363.43	547.81	769.1	1016.01	1278.31	1550.75	1834.62	2133.44	24 34
16.CO	DISCHG	2774.40	3093.68	3383.54	3622.05	3796.12	3905.15	3960.03	3978.21	3976.94	3969.44
18.CO	DISCHG	3962.72	3959.01	3957.51	3956.67	3955.26	3952.78	3949.47	3945.85	3942.46	3939.27
2C.00	DISCHG	3935.64	3930.24	3921.47	3907.74	3887.71	3860.49	3825.64	3783.24	3733.69	3677.86
22.00	DISCHG	3616.92	3552.28	3485.48	3417.99	3351.09	3285.80	3222.94	3162.38	3106.10	3052.15
24.00	DISCHG	3000.78	2951.45	2903.68	2856.92	2810.68	2764.80	2718.72	2672.71	2626.42	2579.59
26.00	DISCHG	2531.84	2482.52	2431.22	2377.54	2321.28	2262.72	2201.84	2139.18	2074.76	2008.75
28.CC	DISCHG	1941.06	1871.70	1800.85	1729.03	1657.07	1585.92	1516.51	1449.47	1385.16	1323.60
3C.00	DISCHG	1264.68	1208.17	1153.87	1101.66	1051.47	1003.25	956.92	912.43	869.71	828.70
32.00	DISCHG	789.28	751.34	714.80	679.58	645.66	613.00	581.60	551.43	522.48	494.74
34.00	DISCHG	468.21	442.84	418.59	395.41	373.25	352.07	331.79	312.35	293.70	275.78
36.00	DISCHG	258.56	242.01	226.09	210.79	196.10	182.02	168.55	155.70	143.47	131.86
38.CO	DISCHG	120.89	110.54	100.84	91.76	83.30	75.44	68.18	61.48	55.33	49.70
4C.00	DISCHG	44.57	39.90	35.66	31.83	28.38	25.27	22.48	19.97	17.73	15.73
42.00	DISCHG	13.95	12.36	10.94	9.68	8.57	7.57	6.68	5.90	5.20	4.58
44.00	DISCHG	4.04	3.55	3.12	2.73	2.39	2.09	1.83	1.60	1.40	1.22
46.00	DISCHG	1.06	0.92	0.80	0.70	0.61	0.53	0.46	0.39	0.34	0.29
48.CO	DISCHG	0.25	0.21	0.18	0.15	0.12	0.10	0.08	0.06	0.04	0.02
5C.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3264 CFS-HRS= 50153.85 ACRE-FT= 4144.71

SUBROUTINE REACH CROSS SECTION 183
LENGTH= 12000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 2.45

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.29	3969.799	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3264 CFS-HRS= 50153.81 ACRE-FT= 4144.71

SUBROUTINE RESVOR STRUCTURE 2
SURFACE ELEVATION= 50.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.29	3969.799	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 238.09

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.31	1.42	3.93	8.47	14.86	22.30	29.71	36.85	45.43
14.00	DISCHG	59.56	87.27	139.81	228.11	358.76	531.62	740.71	977.05	1232.16	1501.18
16.0C	DISCHG	1783.38	2080.10	2390.71	2708.55	3019.43	3304.16	3544.18	3727.42	3851.59	3924.04

18.00	DISCHG	3958.15	3968.71	3968.04	3964.12	3960.67	3958.48	3956.94	3955.23	3952.86	3949.86
20.00	DISCHG	3946.54	3943.22	3939.84	3935.82	3930.07	3921.19	3907.71	3888.37	3862.25	3828.83
22.00	DISCHG	3788.07	3740.30	3686.26	3627.03	3563.91	3498.33	3431.72	3365.32	3300.21	3237.22
24.00	DISCHG	3176.86	3119.38	3064.73	3012.61	2962.62	2914.25	2867.01	2820.49	2774.31	2728.23
26.00	DISCHG	2682.12	2635.76	2588.87	2541.04	2491.78	2440.66	2387.31	2331.60	2273.53	2213.29
28.00	DISCHG	2151.09	2087.12	2021.45	1954.11	1885.14	1814.78	1743.49	1672.00	1601.17	1531.81
30.00	DISCHG	1464.56	1399.82	1337.70	1278.17	1221.06	1166.22	1113.53	1062.88	1014.22	967.46
32.00	DISCHG	922.56	879.44	838.03	798.23	759.93	723.06	687.54	653.33	620.40	588.73
34.00	DISCHG	558.30	529.09	501.10	474.30	448.67	424.17	400.75	378.35	356.94	336.44
36.00	DISCHG	316.80	297.95	279.86	262.48	245.77	229.71	214.27	199.45	185.25	171.66
38.00	DISCHG	158.68	146.32	134.59	123.48	113.01	103.17	93.96	85.37	77.38	69.99
40.00	DISCHG	63.16	56.89	51.14	45.88	41.10	36.76	32.83	29.28	26.09	23.22
42.00	DISCHG	20.64	18.33	16.27	14.43	12.79	11.33	10.02	8.87	7.84	6.92
44.00	DISCHG	6.11	5.39	4.75	4.19	3.68	3.23	2.84	2.48	2.17	1.90
46.00	DISCHG	1.66	1.45	1.27	1.10	0.96	0.84	0.73	0.63	0.55	0.48
48.00	DISCHG	0.41	0.35	0.30	0.26	0.22	0.19	0.16	0.13	0.11	0.08
50.00	DISCHG	0.06	0.05	0.03	0.02	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3264 CFS-HRS= 50153.81 ACRE-FT= 4144.71

SUBROUTINE RUNOFF CROSS SECTION 184
AREA= 13.80 INPUT RUNOFF CURVE= 82.0 TIME OF CONCENTRATION= 3.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13196	1244.517	(RUNOFF)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 13.80

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.01	0.49	1.06	4.40	18.79	33.18	79.27
12.00	DISCHG	152.06	224.84	359.33	501.78	648.41	809.10	969.80	1083.89	1163.01	1242.14
14.00	DISCHG	1244.40	1239.46	1220.48	1160.95	1101.42	1029.40	949.04	868.68	807.92	748.35
16.00	DISCHG	693.07	648.52	603.98	565.16	529.74	494.31	467.00	439.93	414.84	394.06
18.00	DISCHG	373.28	355.68	339.73	323.79	310.94	298.10	286.05	275.53	265.01	255.95
20.00	DISCHG	247.57	239.23	232.50	225.77	219.40	213.65	207.90	202.61	197.49	192.42
22.00	DISCHG	188.09	183.76	179.86	176.60	173.34	170.35	167.44	164.55	161.83	159.11
24.00	DISCHG	156.06	152.55	149.05	143.63	137.65	131.31	122.12	112.93	103.23	92.93
26.00	DISCHG	82.64	73.10	63.76	54.72	47.53	40.33	34.36	29.68	25.00	21.66
28.00	DISCHG	18.61	15.73	13.67	11.61	9.91	8.54	7.17	6.19	5.28	4.44
30.00	DISCHG	3.84	3.24	2.76	2.36	1.96	1.68	1.41	1.16	0.99	0.81
32.00	DISCHG	0.67	0.55	0.43	0.35	0.28	0.21	0.15	0.10	0.06	0.04
34.00	DISCHG	0.01	0.01	0.0							

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.7140 CFS-HRS= 6359.28 ACRE-FT= 525.53

SUBROUTINE ADDHYD CROSS SECTION 185
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.03	4331.670	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 251.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.01	0.49	1.06	4.40	18.79	33.18	79.27
12.00	DISCHG	152.06	225.15	360.75	505.71	656.88	823.96	992.10	1113.60	1199.86	1287.57
14.00	DISCHG	1303.96	1326.73	1360.29	1389.06	1460.18	1561.02	1689.75	1845.73	2040.09	2249.53
16.00	DISCHG	2476.45	2728.62	2994.69	3273.71	3549.17	3798.47	4011.19	4167.34	4266.43	4318.09
18.00	DISCHG	4331.43	4324.38	4307.77	4287.91	4271.61	4256.58	4243.00	4230.76	4217.87	4205.81
20.00	DISCHG	4194.11	4182.45	4172.34	4161.59	4149.47	4134.84	4115.61	4090.98	4059.74	4021.26
22.00	DISCHG	3976.16	3924.06	3866.12	3803.63	3737.25	3668.68	3599.15	3529.87	3462.04	3396.33
24.00	DISCHG	3332.92	3271.93	3213.78	3156.25	3100.27	3045.56	2989.13	2933.42	2877.54	2821.17
26.00	DISCHG	2764.75	2708.85	2652.62	2595.76	2539.31	2481.00	2421.67	2361.28	2298.53	2234.95
28.00	DISCHG	2169.70	2102.85	2035.12	1965.72	1895.05	1823.32	1750.66	1678.20	1606.45	1536.24
30.00	DISCHG	1468.40	1403.06	1340.46	1280.52	1223.02	1167.90	1114.94	1064.05	1015.20	968.27
32.00	DISCHG	923.23	879.99	838.46	798.58	760.21	723.27	687.69	653.43	620.47	588.77
34.00	DISCHG	558.31	529.10	501.10	474.30	448.67	424.17	400.75	378.35	356.94	336.44
36.00	DISCHG	316.80	297.95	279.86	262.48	245.77	229.71	214.27	199.45	185.25	171.66
38.00	DISCHG	158.68	146.32	134.59	123.48	113.01	103.17	93.96	85.37	77.38	69.99
40.00	DISCHG	63.16	56.89	51.14	45.88	41.10	36.76	32.83	29.28	26.09	23.22
42.00	DISCHG	20.64	18.33	16.27	14.43	12.79	11.33	10.02	8.87	7.84	6.92
44.00	DISCHG	6.11	5.39	4.75	4.19	3.68	3.23	2.84	2.48	2.17	1.90
46.00	DISCHG	1.66	1.45	1.27	1.10	0.96	0.84	0.73	0.63	0.55	0.48
48.00	DISCHG	0.41	0.35	0.30	0.26	0.22	0.19	0.16	0.13	0.11	0.08
50.00	DISCHG	0.06	0.05	0.03	0.02	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3476 CFS-HRS= 56513.06 ACRE-FT= 4670.24

SUBROUTINE REACH CROSS SECTION 186
LENGTH= 22400.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 4.58

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.40	4306.942	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3476 CFS-HRS= 56513.33 ACRE-FT= 4670.26

SUBROUTINE RUNOFF CROSS SECTION 187
AREA= 5.00 INPUT RUNOFF CURVE= 81.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.61	885.427	(RUNOFF)
21.79	57.130	(RUNOFF)
23.77	49.123	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.6681 CFS-HRS= 2155.75 ACRE-FT= 178.15

SUBROUTINE ADDHYD CROSS SECTION 190
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.64	913.063	(NULL)
19.39	4376.193	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 256.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.01	0.23	1.42	5.03	25.80	110.50
12.00	DISCHG	310.25	589.23	820.91	908.28	872.48	784.63	716.61	710.93	750.23	826.51
14.00	DISCHG	931.39	1050.32	1164.86	1264.83	1345.14	1399.42	1435.11	1462.47	1491.66	1535.87
16.00	DISCHG	1602.90	1696.56	1819.45	1972.27	2151.89	2355.34	2580.80	2825.23	3083.76	3347.19
18.00	DISCHG	3602.36	3834.66	4030.03	4179.75	4282.43	4342.92	4370.65	4376.16	4368.73	4355.21
20.00	DISCHG	4339.38	4323.38	4308.16	4293.73	4279.79	4266.00	4252.73	4240.72	4229.68	4218.27
22.00	DISCHG	4204.70	4187.65	4166.29	4139.70	4106.93	4067.20	4020.84	3968.99	3912.51	3851.54
24.00	DISCHG	3786.24	3716.56	3642.68	3566.21	3490.26	3417.31	3348.62	3284.07	3222.60	3163.50
26.00	DISCHG	3106.01	3049.28	2992.94	2936.73	2880.48	2824.20	2767.98	2711.70	2655.28	2598.59
28.00	DISCHG	2541.24	2482.97	2423.53	2362.69	2300.44	2236.73	2171.58	2105.08	2037.20	1967.99
30.00	DISCHG	1897.56	1826.16	1754.27	1682.48	1611.49	1541.96	1474.43	1409.24	1346.56	1286.38
32.00	DISCHG	1228.65	1173.24	1120.04	1068.96	1019.91	972.81	927.59	884.17	842.46	802.38
34.00	DISCHG	763.83	726.73	691.02	656.66	623.59	591.80	561.26	531.96	503.88	476.99
36.00	DISCHG	451.26	426.65	403.12	380.61	359.09	338.48	318.73	299.79	281.61	264.14
38.00	DISCHG	247.37	231.24	215.76	200.90	186.66	173.04	160.03	147.64	135.88	124.75
40.00	DISCHG	114.24	104.37	95.11	86.48	78.44	71.00	64.12	57.79	51.99	46.68
42.00	DISCHG	41.84	37.45	33.47	29.87	26.62	23.70	21.08	18.73	16.63	14.75
44.00	DISCHG	13.08	11.59	10.26	9.08	8.02	7.09	6.26	5.52	4.87	4.29
46.00	DISCHG	3.77	3.32	2.91	2.55	2.23	1.95	1.71	1.49	1.30	1.14
48.00	DISCHG	0.99	0.86	0.75	0.65	0.57	0.49	0.42	0.37	0.31	0.27
50.00	DISCHG	0.23	0.19	0.16	0.13	0.11	0.09	0.07	0.05	0.03	0.02
52.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3539 CFS-HRS= 58669.08 ACRE-FT= 4848.41

ENDCMP

I. STORM 3

WD

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                                                                                                PASS=  3
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT   1/  0     TO XSECTN/STRUCT   5/  0
      STARTING TIME=  0.0       RAIN DEPTH=  2.15     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
      ALTERNATE NO.= 3          STORM NO.= 3

SUBROUTINE RUNOFF     CROSS SECTION   1
           AREA=  3.00     INPUT RUNOFF CURVE=  72.0     TIME OF CONCENTRATION=  0.80

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.48                     272.613                        (RUNOFF)
              21.76                      24.270                        (RUNOFF)
              23.74                      21.081                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3574       CFS-HRS=      691.97       ACRE-FT=      57.18

SUBROUTINE REACH      CROSS SECTION   2
           LENGTH=   7000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500      NUMBER OF ROUTINGS=  1.43

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.87                     249.213                         (NULL)
              22.07                      24.051                         (NULL)
              24.06                      20.893                         (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3573       CFS-HRS=      691.79       ACRE-FT=      57.17

SUBROUTINE RUNOFF     CROSS SECTION   3
           AREA=   2.58    INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  1.00

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.60                     257.868                        (RUNOFF)
              21.80                      22.822                        (RUNOFF)
              23.80                      19.828                        (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.4205       CFS-HRS=      700.13       ACRE-FT=      57.86

SUBROUTINE ADDHYD     CROSS SECTION   4
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES                PEAK ELEVATIONS
              12.77                     483.750                         (NULL)
              21.95                      46.698                         (NULL)
              23.91                      40.652                         (NULL)

      TIME                      HYDROGRAPH, TZERO=   0.0     DELTA T= 0.20     DRAINAGE AREA=   5.58
```

0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.26	14.91
12.00	DISCHG	72.04	198.88	352.62	459.30	482.85	436.19	369.01	306.74	255.64	217.10
14.00	DISCHG	188.02	165.95	148.96	135.88	125.64	117.42	110.78	105.35	100.50	95.96
16.00	DISCHG	91.52	87.19	83.13	79.61	76.83	74.87	73.56	72.48	71.22	69.63
18.00	DISCHG	67.71	65.62	63.40	61.11	59.02	57.35	56.27	55.68	55.33	54.94
20.00	DISCHG	54.18	53.00	51.70	50.60	49.63	48.51	47.25	46.32	46.16	46.52
22.00	DISCHG	46.68	46.21	45.32	44.44	43.60	42.48	41.19	40.23	40.06	40.42
24.00	DISCHG	40.52	39.21	35.49	28.98	20.98	13.48	8.10	4.78	2.78	1.60
26.00	DISCHG	0.92	0.51	0.28	0.14	0.06	0.02	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3865 CFS-HRS= 1391.92 ACRE-FT= 115.03

SUBROUTINE REACH CROSS SECTION 5
LENGTH= 2700.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.55

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.91	465.829	(NULL)
22.05	46.569	(NULL)
23.97	40.447	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3865 CFS-HRS= 1391.96 ACRE-FT= 115.03

27.2
11.4
15.8

27.2
11.4
15.8

```
                                                                                                PASS=  3
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT   6/  0     TO XSECTN/STRUCT  37/  0
        STARTING TIME=  0.0     RAIN DEPTH=  2.00     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 3

SUBROUTINE RUNOFF    CROSS SECTION   6
        AREA=   1.58    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  1.00

        PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
           12.61                       140.707                      (RUNOFF)
           21.80                        12.767                      (RUNOFF)
           23.80                        11.099                      (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3794        CFS-HRS=      386.83        ACRE-FT=      31.97

SUBROUTINE ADDHYD    CROSS SECTION   7
        INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

        PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
           12.85                       592.567                      (NULL)
           21.96                        59.241                      (NULL)
           23.92                        51.538                      (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3849        CFS-HRS=     1778.78        ACRE-FT=     147.00

SUBROUTINE REACH     CROSS SECTION   7
        LENGTH=   5000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=   5.100     AVERAGE ROUTING COEFF= 0.7500     NUMBER OF ROUTINGS=  1.02

        PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
           13.13                       570.855                      (NULL)
           22.15                        59.214                      (NULL)
           24.11                        51.500                      (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3849        CFS-HRS=     1778.79        ACRE-FT=     147.00

SUBROUTINE RUNOFF    CROSS SECTION   8
        AREA=   1.42     INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  0.75

        PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
           12.43                       151.358                      (RUNOFF)
           21.71                        11.582                      (RUNOFF)
           23.72                        10.086                      (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3806        CFS-HRS=      348.81        ACRE-FT=      28.83
```

SUBROUTINE REACH CROSS SECTION 9
LENGTH= 7000.00 INPUT COEFFICIENT= 0.6000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.550 AVERAGE ROUTING COEFF= 0.6000 NUMBER OF ROUTINGS= 2.29

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.19	118.177	(NULL)
22.27	11.427	(NULL)
24.24	9.910	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3804 CFS-HRS= 348.64 ACRE-FT= 28.81

SUBROUTINE RUNOFF CROSS SECTION 10
AREA= 1.32 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 0.90

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.58	97.591	(RUNOFF)
21.78	9.652	(RUNOFF)
23.76	8.412	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3197 CFS-HRS= 272.32 ACRE-FT= 22.50

SUBROUTINE ADDHYD CROSS SECTION 10
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.02	183.175	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3512 CFS-HRS= 620.96 ACRE-FT= 51.32

SUBROUTINE ADDHYD CROSS SECTION 11
INPUT HYDROGRAPHS= 1,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.11	752.298	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 9.90

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	5.45
12.00	DISCHG	35.03	120.04	273.07	468.51	644.43	742.22	745.19	679.85	588.76	498.77
14.00	DISCHG	422.08	361.26	314.37	278.31	250.52	229.06	212.24	198.67	187.62	178.20

27.8
11.4
16.4

1[illegible].00	DISCHG	169.75	161.85	154.35	147.3[illegible]	141.01	135.72	131.60	128.47	125.98	12[illegible]4
18.00	DISCHG	121.06	118.08	114.71	111.08	107.37	103.85	100.81	98.48	96.90	95.83
20.00	DISCHG	94.82	93.63	92.07	90.20	88.26	86.32	84.43	82.64	81.18	80.30
22.00	DISCHG	80.03	79.94	79.53	78.59	77.25	75.67	73.94	72.17	70.70	69.80
24.00	DISCHG	69.44	68.92	66.70	61.60	53.23	42.36	30.84	20.69	13.09	7.98
26.00	DISCHG	4.75	2.77	1.59	0.90	0.48	0.25	0.12	0.03	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3756 CFS-HRS= 2399.75 ACRE-FT= 198.32

SUBROUTINE REACH CROSS SECTION 12
LENGTH= 3000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.61

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.28	737.427	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3756 CFS-HRS= 2399.75 ACRE-FT= 198.32

SUBROUTINE RUNOFF CROSS SECTION 13
AREA= 1.33 INPUT RUNOFF CURVE= 74.0 TIME OF CONCENTRATION= 0.70

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.40	130.827	(RUNOFF)
19.32	12.002	(RUNOFF)
21.69	10.360	(RUNOFF)
23.69	9.006	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3493 CFS-HRS= 299.80 ACRE-FT= 24.78

SUBROUTINE REACH CROSS SECTION 14
LENGTH= 11500.00 INPUT COEFFICIENT= 0.6100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 2.659 AVERAGE ROUTING COEFF= 0.6100 NUMBER OF ROUTINGS= 3.66

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.63	91.986	(NULL)
22.52	10.173	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3490 CFS-HRS= 299.57 ACRE-FT= 24.76

SUBROUTINE RUNOFF CROSS SECTION 15
AREA= 0.85 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 1.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.83	50.935	(RUNOFF)

28.8
12.4
16.4

```
   21.76                          6.187                    (RUNOFF)
   23.74                          5.379                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3193      CFS-HRS=      175.17      ACRE-FT=      14.48

SUBROUTINE ADDHYD    CROSS SECTION  15
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
   13.54                       125.717                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3374      CFS-HRS=      474.74      ACRE-FT=      39.23

SUBROUTINE ADDHYD    CROSS SECTION  16
INPUT HYDROGRAPHS= 1,2     OUTPUT HYDROGRAPH= 7

PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
   13.31                       851.984                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3687      CFS-HRS=     2874.49      ACRE-FT=     237.55

SUBROUTINE REACH     CROSS SECTION  17
LENGTH=   3400.00    INPUT COEFFICIENT=  0.7500    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500      NUMBER OF ROUTINGS=  0.69

PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
   13.50                       836.374                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3687      CFS-HRS=     2874.51      ACRE-FT=     237.55

SUBROUTINE RUNOFF    CROSS SECTION  18
AREA=   0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.60

PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
   12.33                       58.103                     (RUNOFF)
   19.39                        5.378                     (RUNOFF)
   21.64                        4.700                     (RUNOFF)
   23.64                        4.090                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3197      CFS-HRS=      130.00      ACRE-FT=      10.74

SUBROUTINE REACH     CROSS SECTION  19
LENGTH=  14000.00    INPUT COEFFICIENT=  0.5800    INPUT ROUTINGS=  0.0
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```
AVERAGE WATER VELOCITY=   2.348      AVERAGE ROUTING COEFF= 0.5800      NUMBER OF ROUTINGS=  4.80

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.05                          35.783                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3196      CFS-HRS=      129.94      ACRE-FT=      10.74


SUBROUTINE RUNOFF    CROSS SECTION  20
           AREA=   0.63     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  1.55

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.06                          33.299                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3196      CFS-HRS=      129.96      ACRE-FT=      10.74


SUBROUTINE ADDHYD    CROSS SECTION  20
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.88                          58.061                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3196      CFS-HRS=      259.89      ACRE-FT=      21.48


SUBROUTINE RUNOFF    CROSS SECTION  21
           AREA=   1.13     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  0.45

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   12.23                         129.734                    (RUNOFF)
   16.93                          12.604                    (RUNOFF)
   19.40                           9.657                    (RUNOFF)
   21.57                           8.549                    (RUNOFF)
   23.57                           7.481                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3204      CFS-HRS=      233.63      ACRE-FT=      19.31


SUBROUTINE REACH     CROSS SECTION  22
           LENGTH=  16000.00     INPUT COEFFICIENT=  0.6200     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.774      AVERAGE ROUTING COEFF= 0.6200      NUMBER OF ROUTINGS=  4.97

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.86                          70.488                      (NULL)
   22.78                           8.199                      (NULL)
   24.74                           7.139                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3197      CFS-HRS=      233.12      ACRE-FT=      19.26
```

SUBROUTINE RUNOFF CROSS SECTION 23
AREA= 0.81 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 1.90

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.38	37.426	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3198 CFS-HRS= 167.20 ACRE-FT= 13.82

SUBROUTINE ADDHYD CROSS SECTION 23
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.79	103.849	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3197 CFS-HRS= 400.32 ACRE-FT= 33.08

SUBROUTINE ADDHYD CROSS SECTION 24
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.81	161.682	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 3.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	2.57
12.00	DISCHG	7.95	18.54	32.71	48.05	61.91	80.53	107.05	135.81	155.15	161.67
14.00	DISCHG	156.67	144.88	129.92	114.89	101.36	89.72	80.28	72.62	66.48	61.56
16.00	DISCHG	57.50	54.15	51.27	48.72	46.46	44.37	42.52	40.86	39.38	38.10
18.00	DISCHG	37.00	36.05	35.19	34.33	33.46	32.57	31.68	30.82	29.98	29.22
20.00	DISCHG	28.55	27.99	27.53	27.14	26.74	26.28	25.77	25.27	24.85	24.46
22.00	DISCHG	24.05	23.62	23.28	23.08	22.91	22.68	22.37	22.02	21.71	21.37
24.00	DISCHG	20.95	20.39	19.74	18.91	17.99	16.83	15.43	13.55	11.27	8.81
26.00	DISCHG	6.55	4.67	3.21	2.16	1.43	0.94	0.62	0.41	0.28	0.19
28.00	DISCHG	0.12	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3197 CFS-HRS= 660.21 ACRE-FT= 54.56

SUBROUTINE ADDHYD CROSS SECTION 25
INPUT HYDROGRAPHS= 1,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS

13.55 985.381 (NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.28

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	3.63
12.00	DISCHG	16.09	54.16	137.27	276.97	463.34	670.84	852.93	962.79	980.57	925.39
14.00	DISCHG	830.67	725.85	627.86	544.34	476.48	422.41	380.02	346.69	320.30	299.10
16.00	DISCHG	281.60	266.71	253.53	241.49	230.40	220.23	211.28	203.68	197.41	192.30
18.00	DISCHG	187.95	183.87	179.66	175.10	170.17	165.04	159.95	155.21	151.07	147.73
20.00	DISCHG	145.14	143.05	141.13	139.10	136.79	134.16	131.36	128.59	126.03	123.76
22.00	DISCHG	121.88	120.51	119.64	118.97	118.05	116.59	114.66	112.44	110.18	108.04
24.00	DISCHG	106.15	104.55	102.84	99.93	94.70	86.27	74.71	60.78	46.28	33.10
26.00	DISCHG	22.53	14.77	9.40	5.86	3.60	2.18	1.31	0.77	0.45	0.26
28.00	DISCHG	0.12	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3584 CFS-HRS= 3534.72 ACRE-FT= 292.11

SUBROUTINE RUNOFF CROSS SECTION 26
AREA= 1.20 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.75

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.43	127.909	(RUNOFF)
21.71	9.788	(RUNOFF)
23.72	8.523	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3806 CFS-HRS= 294.77 ACRE-FT= 24.36

SUBROUTINE RUNOFF CROSS SECTION 27
AREA= 1.27 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.65

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.35	145.981	(RUNOFF)
19.38	12.071	(RUNOFF)
21.67	10.437	(RUNOFF)
23.66	9.077	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3799 CFS-HRS= 311.37 ACRE-FT= 25.73

SUBROUTINE ADDHYD CROSS SECTION 27
INPUT HYDROGRAPHS= 7,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.39	272.644	(NULL)

29.8
11.4
18.4

29.4
11.4
18.4

```
   21.68                          20.219                          (NULL)
   23.69                          17.575                          (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3802        CFS-HRS=      606.14        ACRE-FT=      50.09

SUBROUTINE REACH     CROSS SECTION  28
LENGTH=  12000.00     INPUT COEFFICIENT=  0.5600     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.164       AVERAGE ROUTING COEFF= 0.5600       NUMBER OF ROUTINGS=  4.31

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.95                          174.045                         (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3802        CFS-HRS=      605.99        ACRE-FT=      50.08

SUBROUTINE RUNOFF    CROSS SECTION  29
AREA=   1.56     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  1.60

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.15                           80.535                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3197        CFS-HRS=      321.89        ACRE-FT=      26.60

SUBROUTINE ADDHYD    CROSS SECTION  29
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 1

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.85                          232.719                         (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3568        CFS-HRS=      927.88        ACRE-FT=      76.68

SUBROUTINE RUNOFF    CROSS SECTION  30
AREA=   1.48     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.60

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.30                          181.537                       (RUNOFF)
   19.37                           14.064                       (RUNOFF)
   21.64                           12.237                       (RUNOFF)
   23.64                           10.619                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3803        CFS-HRS=      363.21        ACRE-FT=      30.02

SUBROUTINE REACH     CROSS SECTION  31
LENGTH=   7500.00     INPUT COEFFICIENT=  0.5600     INPUT ROUTINGS=  0.0
```

```
AVERAGE WATER VELOCITY=   2.164       AVERAGE ROUTING COEFF= 0.5600       NUMBER OF ROUTINGS=  2.70

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.28                         120.906                      (NULL)
   22.34                          11.918                      (NULL)
   24.31                          10.341                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3801     CFS-HRS=      363.06      ACRE-FT=      30.00


SUBROUTINE ADDHYD     CROSS SECTION  31
           INPUT HYDROGRAPHS= 5,1     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.67                         329.271                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3630     CFS-HRS=     1290.94      ACRE-FT=     106.68


SUBROUTINE REACH      CROSS SECTION  32
           LENGTH=  16000.00     INPUT COEFFICIENT=  0.6300     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   2.895       AVERAGE ROUTING COEFF= 0.6300       NUMBER OF ROUTINGS=  4.84

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              15.25                         292.483                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3630     CFS-HRS=     1290.91      ACRE-FT=     106.68


SUBROUTINE RUNOFF     CROSS SECTION  33
           AREA=    3.12     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.10

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.53                         135.095                    (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3196     CFS-HRS=      643.61      ACRE-FT=      53.19


SUBROUTINE ADDHYD     CROSS SECTION  33
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              15.15                         368.005                      (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3473     CFS-HRS=     1934.50      ACRE-FT=     159.87


SUBROUTINE ADDHYD     CROSS SECTION  34
           INPUT HYDROGRAPHS= 2,3     OUTPUT HYDROGRAPH= 7
```

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.60	1148.847	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 23.91

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.70	8.32
12.00	DISCHG	29.62	80.18	183.98	346.49	556.45	786.57	985.15	1111.36	1145.96	1112.45
14.00	DISCHG	1046.33	975.86	914.53	866.23	825.18	787.01	747.74	706.15	662.59	618.29
16.00	DISCHG	575.05	533.88	496.05	461.56	430.98	404.12	381.17	361.86	345.75	332.33
18.00	DISCHG	320.76	310.36	300.51	290.88	281.45	272.32	263.74	255.91	249.06	243.18
20.00	DISCHG	238.23	233.83	229.65	225.42	220.98	216.34	211.67	207.22	203.11	199.52
22.00	DISCHG	196.38	193.83	191.77	189.90	187.76	185.10	182.00	178.69	175.47	172.44
24.00	DISCHG	169.71	167.11	164.14	159.53	152.29	141.38	127.20	110.55	93.32	77.47
26.00	DISCHG	64.06	53.23	44.46	37.14	30.84	25.21	20.28	15.93	12.25	9.20
28.00	DISCHG	6.73	4.86	3.45	2.40	1.65	1.12	0.75	0.50	0.33	0.21
30.00	DISCHG	0.13	0.08	0.04	0.02	0.0					

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3544 CFS-HRS= 5469.23 ACRE-FT= 451.98

SUBROUTINE REACH CROSS SECTION 35
LENGTH= 5800.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.18

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.92	1121.442	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3544 CFS-HRS= 5469.12 ACRE-FT= 451.97

SUBROUTINE RUNOFF CROSS SECTION 36
AREA= 0.96 INPUT RUNOFF CURVE= 72.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.76	55.185	(RUNOFF)
21.82	6.618	(RUNOFF)
23.79	5.765	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2920 CFS-HRS= 180.90 ACRE-FT= 14.95

SUBROUTINE ADDHYD CROSS SECTION 37
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES PEAK DISCHARGES PEAK ELEVATIONS

30.78
14.4
15.4

13.90 1147.757 (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3520 CFS-HRS= 5650.03 ACRE-FT= 466.92

```
                                                                                                                PASS=  3
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,    FROM XSECTN/STRUCT  38/  0     TO XSECTN/STRUCT  75/  0
        STARTING TIME=  0.0     RAIN DEPTH=  1.90    RAIN DURATION=  1.00    RAIN TABLE NO.= 1     SOIL CONDITION= 2
        ALTERNATE NO.= 3        STORM NO.= 3

SUBROUTINE RUNOFF    CROSS SECTION  38
        AREA=   0.67    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  0.70

        PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
           12.40                      62.815                      (RUNOFF)
           19.32                       5.752                      (RUNOFF)
           21.69                       4.964                      (RUNOFF)
           23.69                       4.315                      (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3326      CFS-HRS=      143.80      ACRE-FT=      11.88

SUBROUTINE RUNOFF    CROSS SECTION  39
        AREA=   1.57    INPUT RUNOFF CURVE=  74.0    TIME OF CONCENTRATION=  0.90

        PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
           12.58                     110.286                      (RUNOFF)
           21.78                      10.906                      (RUNOFF)
           23.76                       9.506                      (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3037      CFS-HRS=      307.73      ACRE-FT=      25.43

SUBROUTINE REACH     CROSS SECTION  40
        LENGTH=  21000.00    INPUT COEFFICIENT=  0.5400    INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=   1.996    AVERAGE ROUTING COEFF= 0.5400    NUMBER OF ROUTINGS=  7.89

        PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
           15.63                      66.304                       (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3037      CFS-HRS=      307.75      ACRE-FT=      25.43

SUBROUTINE RUNOFF    CROSS SECTION  41
        AREA=   1.28    INPUT RUNOFF CURVE=  74.0    TIME OF CONCENTRATION=  2.85

        PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
           14.18                      43.695                      (RUNOFF)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3037      CFS-HRS=      250.87      ACRE-FT=      20.73

SUBROUTINE ADDHYD    CROSS SECTION  41
```

```
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 3

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.48                          97.171                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3037      CFS-HRS=      558.63      ACRE-FT=      46.16

SUBROUTINE RUNOFF    CROSS SECTION  42
AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   12.56                          84.864                      (RUNOFF)
   21.78                           7.770                      (RUNOFF)
   23.76                           6.762                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3325      CFS-HRS=      227.45      ACRE-FT=      18.80

SUBROUTINE REACH    CROSS SECTION  43
LENGTH=  20000.00     INPUT COEFFICIENT=  0.5500     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.078      AVERAGE ROUTING COEFF= 0.5500      NUMBER OF ROUTINGS=  7.35

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.32                          52.128                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3325      CFS-HRS=      227.45      ACRE-FT=      18.80

SUBROUTINE RUNOFF    CROSS SECTION  44
AREA=   1.63     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  2.60

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.85                          58.118                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3040      CFS-HRS=      319.75      ACRE-FT=      26.42

SUBROUTINE ADDHYD    CROSS SECTION  44
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.09                          93.298                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3152      CFS-HRS=      547.20      ACRE-FT=      45.22

SUBROUTINE ADDHYD    CROSS SECTION  45
INPUT HYDROGRAPHS= 3,4      OUTPUT HYDROGRAPH= 7
```

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.32                          188.133                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3093        CFS-HRS=     1105.83        ACRE-FT=      91.39

SUBROUTINE REACH      CROSS SECTION  46
LENGTH=   4700.00      INPUT COEFFICIENT=  0.5100    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.769        AVERAGE ROUTING COEFF= 0.5100        NUMBER OF ROUTINGS=  1.88

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   16.04                          180.756                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3092        CFS-HRS=     1105.66        ACRE-FT=      91.37

SUBROUTINE RUNOFF     CROSS SECTION  47
AREA=   1.63      INPUT RUNOFF CURVE=  71.0      TIME OF CONCENTRATION=  2.40

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.96                           41.190                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2266        CFS-HRS=      238.39        ACRE-FT=      19.70

SUBROUTINE ADDHYD     CROSS SECTION  47
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.97                          204.761                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2905        CFS-HRS=     1344.05        ACRE-FT=     111.07

SUBROUTINE REACH      CROSS SECTION  48
LENGTH=   8000.00      INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508        AVERAGE ROUTING COEFF= 0.4700        NUMBER OF ROUTINGS=  3.46

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   17.40                          192.993                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2905        CFS-HRS=     1344.08        ACRE-FT=     111.07

SUBROUTINE RUNOFF     CROSS SECTION  49
AREA=   1.04      INPUT RUNOFF CURVE=  52.0      TIME OF CONCENTRATION=  2.00

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

24.54 0.086 (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0003 CFS-HRS= 0.20 ACRE-FT= 0.02

SUBROUTINE ADDHYD CROSS SECTION 50
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 3

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.40	192.993	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 8.21

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.01	0.09	0.31	0.87	2.03	4.16	7.65	12.84	19.96
14.00	DISCHG	29.01	39.79	51.87	64.66	77.54	89.98	101.72	112.75	123.30	133.66
16.00	DISCHG	144.04	154.41	164.50	173.84	181.83	187.94	191.73	192.99	191.73	188.14
18.00	DISCHG	182.59	175.53	167.42	158.73	149.86	141.11	132.73	124.86	117.60	110.97
20.00	DISCHG	104.95	99.54	94.67	90.30	86.40	82.90	79.77	76.96	74.41	72.10
22.00	DISCHG	69.97	68.01	66.18	64.47	62.87	61.38	59.99	58.69	57.49	56.36
24.00	DISCHG	55.30	54.30	53.34	52.42	51.52	50.64	49.76	48.87	47.94	46.94
26.00	DISCHG	45.84	44.62	43.24	41.71	40.03	38.24	36.34	34.39	32.38	30.36
28.00	DISCHG	28.32	26.25	24.14	22.01	19.87	17.74	15.64	13.62	11.71	9.93
30.00	DISCHG	8.32	6.88	5.63	4.55	3.65	2.90	2.28	1.78	1.38	1.07
32.00	DISCHG	0.82	0.63	0.48	0.37	0.28	0.21	0.16	0.12	0.09	0.07
34.00	DISCHG	0.05	0.04	0.03	0.02	0.01	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2537 CFS-HRS= 1344.29 ACRE-FT= 111.09

SUBROUTINE ADDHYD CROSS SECTION 51
INPUT HYDROGRAPHS= 2,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.94	1173.087	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 33.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	2.89
12.00	DISCHG	15.06	45.56	100.72	191.28	327.24	507.72	718.37	923.33	1080.24	1161.43
14.00	DISCHG	1171.34	1135.59	1082.43	1030.49	988.23	954.34	924.82	895.66	864.77	831.91
16.00	DISCHG	797.89	764.15	731.67	701.19	672.66	646.00	620.82	596.94	574.24	552.57

18.00	DISCHG	531.84	511.82	492.27	473.03	454.08	435.58	417.79	401.02	385.52	371.49
20.00	DISCHG	358.96	347.93	338.17	329.31	321.02	312.98	305.14	297.62	290.57	284.02
22.00	DISCHG	278.04	272.60	267.81	263.67	259.94	256.20	252.19	247.93	243.58	239.27
24.00	DISCHG	235.06	230.89	226.58	221.82	215.94	208.12	197.42	183.65	167.20	149.38
26.00	DISCHG	131.92	116.15	102.63	91.17	81.31	72.59	64.64	57.37	50.70	44.65
28.00	DISCHG	39.22	34.37	30.09	26.29	22.89	19.83	17.08	14.59	12.36	10.37
30.00	DISCHG	8.60	7.06	5.74	4.62	3.68	2.91	2.28	1.78	1.38	1.07
32.00	DISCHG	0.82	0.63	0.48	0.37	0.28	0.21	0.16	0.12	0.09	0.07
34.00	DISCHG	0.05	0.04	0.03	0.02	0.01	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3276 CFS-HRS= 6994.30 ACRE-FT= 578.01

SUBROUTINE REACH CROSS SECTION 52
LENGTH= 4000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 0.82

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.18	1160.214	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3276 CFS-HRS= 6994.34 ACRE-FT= 578.01

SUBROUTINE RUNOFF CROSS SECTION 53
AREA= 2.69 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 3.20

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.85	30.679	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1431 CFS-HRS= 248.35 ACRE-FT= 20.52

SUBROUTINE REACH CROSS SECTION 54
LENGTH= 8500.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 3.68

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.63	28.995	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1431 CFS-HRS= 248.35 ACRE-FT= 20.52

SUBROUTINE RUNOFF CROSS SECTION 55
AREA= 0.97 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 1.80

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

35.2
11.4
23.8

35.2
11.4
23.8

```
SUBROUTINE ADDHYD    CROSS SECTION  55
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 3

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              16.63                        28.995                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1051        CFS-HRS=      248.35        ACRE-FT=      20.52

SUBROUTINE ADDHYD    CROSS SECTION  56
           INPUT HYDROGRAPHS= 2,3      OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              14.19                      1168.424                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3055        CFS-HRS=     7242.70        ACRE-FT=     598.54

SUBROUTINE REACH     CROSS SECTION  57
           LENGTH=   5000.00     INPUT COEFFICIENT= 0.7500    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  1.02

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              14.47                      1156.617                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3055        CFS-HRS=     7242.66        ACRE-FT=     598.53

SUBROUTINE RUNOFF    CROSS SECTION  58
           AREA=    1.05     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.70

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              12.40                        98.441                     (RUNOFF)
              19.32                         9.014                     (RUNOFF)
              21.69                         7.780                     (RUNOFF)
              23.69                         6.763                     (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3326        CFS-HRS=      225.36        ACRE-FT=      18.62

SUBROUTINE REACH     CROSS SECTION  59
           LENGTH=   7400.00     INPUT COEFFICIENT=  0.5400    INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  2.78

           PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
              13.45                        67.684                       (NULL)
              22.30                         7.655                       (NULL)
```

```
TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3323        CFS-HRS=      225.17        ACRE-FT=      18.61

SUBROUTINE RUNCFF    CROSS SECTICN  60
           AREA=   1.71     INPUT RUNOFF CURVE=  76.0     TIME OF CONCENTRATION=  0.60

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              12.30                       200.533                        (RUNOFF)
              19.37                        15.479                        (RUNOFF)
              21.64                        13.466                        (RUNOFF)
              23.64                        11.685                        (RUNCFF)

           TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3628        CFS-HRS=      400.41        ACRE-FT=      33.09

SUBRCUTINE REACH     CROSS SECTICN  61
           LENGTH=   5000.00     INPUT CCEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  1.88

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.00                       141.136                        (NULL)
              22.16                        13.151                        (NULL)
              24.13                        11.406                        (NULL)

           TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3627        CFS-HRS=      400.26        ACRE-FT=      33.08

SUBRCUTINE ADDHYC    CROSS SECTICN  61
           INPUT HYDROGRAPHS= 5,3     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.15                       195.292                        (NULL)
              22.13                        20.808                        (NULL)
              24.10                        18.071                        (NULL)

           TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.3511        CFS-HRS=      625.43        ACRE-FT=      51.69

SUBROUTINE REACH     CROSS SECTION  62
           LENGTH=   8000.00     INPUT COEFFICIENT=  0.5400     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELCCITY=   1.996       AVERAGE ROUTING COEFF= 0.5400       NUMBER OF ROUTINGS=  3.01

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.12                       160.929                        (NULL)

           TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.3511        CFS-HRS=      625.42        ACRE-FT=      51.68
```

```
SUBROUTINE RUNOFF    CROSS SECTION  63
  AREA=    3.60    INPUT RUNOFF CURVE=  76.0    TIME OF CONCENTRATION=  2.30
                                                          PEAK ELEVATIONS
                                                            (RUNOFF)
  PEAK TIMES                  PEAK DISCHARGES
    13.72                        177.454          CFS-HRS=      843.42      ACRE-FT=      69.70
  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3630

SUBROUTINE ADDHYD    CROSS SECTION  63    OUTPUT HYDROGRAPH=  4
  INPUT HYDROGRAPHS=  5,6                                 PEAK ELEVATIONS
                                                            (NULL)
  PEAK TIMES                  PEAK DISCHARGES
    13.93                        327.333          CFS-HRS=     1468.84      ACRE-FT=     121.38
  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3579

SUBROUTINE REACH     CROSS SECTION  64
  LENGTH=   8500.00    INPUT COEFFICIENT=  0.5400    INPUT ROUTINGS=  0.0
  AVERAGE WATER VELOCITY=   1.996    AVERAGE ROUTING COEFF= 0.5400    NUMBER OF ROUTINGS=  3.19
                                                          PEAK ELEVATIONS
                                                            (NULL)
  PEAK TIMES                  PEAK DISCHARGES
    13.58                         42.106          CFS-HRS=      143.68      ACRE-FT=      11.87
  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3323

SUBROUTINE ADDHYD    CROSS SECTION  65    OUTPUT HYDROGRAPH=  7
  INPUT HYDROGRAPHS=  5,4                                 PEAK ELEVATIONS
                                                            (NULL)
  PEAK TIMES                  PEAK DISCHARGES
    13.88                        366.944          CFS-HRS=     1612.52      ACRE-FT=     133.26
  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3554

SUBROUTINE REACH     CROSS SECTION  66
  LENGTH=  31000.00    INPUT COEFFICIENT=  0.5000    INPUT ROUTINGS=  0.0
  AVERAGE WATER VELOCITY=   1.700    AVERAGE ROUTING COEFF= 0.5000    NUMBER OF ROUTINGS= 12.66
                                                          PEAK ELEVATIONS
                                                            (NULL)
  PEAK TIMES                  PEAK DISCHARGES
    19.16                        261.604          CFS-HRS=     1612.34      ACRE-FT=     133.24
  TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3554

SUBROUTINE RUNOFF    CROSS SECTION  67
```

AREA= 6.47 INPUT RUNOFF CURVE= 72.0 TIME OF CONCENTRATION= 6.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.82	106.487	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2509 CFS-HRS= 1047.44 ACRE-FT= 86.56

SUBROUTINE ADDHYD CROSS SECTION 67
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 4

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.05	349.047	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3053 CFS-HRS= 2659.74 ACRE-FT= 219.80

SUBROUTINE ADDHYD CROSS SECTION 68
INPUT HYDROGRAPHS= 2,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.50	1223.160	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 50.24

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87	2.68
12.00	DISCHG	4.82	9.42	21.62	49.43	101.64	185.31	309.17	474.83	671.96	876.13
14.00	DISCHG	1049.85	1165.25	1216.05	1216.19	1186.38	1147.46	1111.71	1082.65	1059.02	1036.32
16.00	DISCHG	1013.06	990.13	968.30	949.03	932.75	919.49	910.88	906.26	904.45	903.86
18.00	DISCHG	901.73	898.30	892.46	883.31	870.29	853.42	832.66	808.53	781.82	753.48
20.00	DISCHG	724.69	696.18	668.50	642.13	617.28	594.07	572.39	551.95	532.65	514.54
22.00	DISCHG	497.75	482.46	468.44	455.63	444.04	433.57	424.21	415.40	406.82	398.34
24.00	DISCHG	390.01	381.92	374.09	366.48	358.93	351.15	342.46	332.13	319.46	304.05
26.00	DISCHG	286.08	266.36	246.16	226.97	209.57	194.13	180.38	167.95	156.49	145.80
28.00	DISCHG	135.77	126.36	117.75	109.71	102.15	94.97	88.06	81.54	75.26	69.05
30.00	DISCHG	62.92	56.87	51.07	45.67	40.51	35.63	31.08	26.90	23.26	20.00
32.00	DISCHG	17.10	14.54	12.30	10.47	8.92	7.59	6.45	5.47	4.69	4.06
34.00	DISCHG	3.52	3.05	2.64	2.31	2.05	1.82	1.62	1.42	1.25	1.14
36.00	DISCHG	1.04	0.94	0.85	0.76	0.70	0.64	0.58	0.52	0.47	0.43
38.00	DISCHG	0.40	0.37	0.33	0.30	0.27	0.25	0.23	0.21	0.19	0.17
40.00	DISCHG	0.15	0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05
42.00	DISCHG	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3054 CFS-HRS= 9902.43 ACRE-FT= 818.34

43.6
1.4
3.2.2

```
SUBROUTINE REACH     CROSS SECTION  69
           LENGTH=   7400.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  1.51

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.94                        1202.030                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3054        CFS-HRS=      9902.39        ACRE-FT=      818.33

SUBROUTINE RUNOFF    CROSS SECTION  70
           AREA=   0.95     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.30

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              13.74                         41.849                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3327        CFS-HRS=      203.95         ACRE-FT=       16.85

SUBROUTINE RUNOFF    CROSS SECTION  71
           AREA=   2.55     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.25

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.46                         89.397                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3325        CFS-HRS=      547.15         ACRE-FT=       45.22

SUBROUTINE REACH     CROSS SECTION  72
           LENGTH=  21000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  9.09

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              18.47                         75.865                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3324        CFS-HRS=      547.08         ACRE-FT=       45.21

SUBROUTINE RUNOFF    CROSS SECTION  73
           AREA=   1.32     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.80

           PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
              14.97                         41.948                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3325        CFS-HRS=      283.21         ACRE-FT=       23.40

SUBROUTINE ADDHYD    CROSS SECTION  73
```

```
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   18.28                          96.485                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3324      CFS-HRS=      830.29      ACRE-FT=      68.62

SUBROUTINE ADDHYD    CROSS SECTION  74
INPUT HYDROGRAPHS= 1,4      OUTPUT HYDROGRAPH= 6

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   14.21                          76.139                       (NULL)
   18.18                         107.929                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3325      CFS-HRS=     1034.24      ACRE-FT=      85.47

SUBROUTINE ADDHYD    CROSS SECTION  75
INPUT HYDROGRAPHS= 2,6      OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   14.54                        1274.422                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3078      CFS-HRS=    10936.63      ACRE-FT=     903.80
```

PASS= 3

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 76/ 0 TO XSECTN/STRUCT 130/ 0
STARTING TIME= 0.0 RAIN DEPTH= 1.80 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 3

SUBROUTINE RUNOFF CROSS SECTION 76
AREA= 0.50 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.42	19.959	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2872 CFS-HRS= 92.69 ACRE-FT= 7.66

SUBROUTINE ADDHYD CROSS SECTION 77
INPUT HYDROGRAPHS= 4,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.93	1285.982	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 55.56

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.20	0.91	3.29
12.00	DISCHG	9.65	18.70	32.15	52.31	81.41	126.51	192.51	290.22	421.67	588.95
14.00	DISCHG	777.92	967.48	1125.42	1230.48	1280.07	1284.30	1260.26	1226.24	1193.61	1165.56
16.00	DISCHG	1142.20	1120.92	1100.86	1081.88	1064.53	1049.54	1037.31	1028.02	1022.15	1019.25
18.00	DISCHG	1018.00	1016.54	1013.56	1008.27	999.85	987.70	971.50	951.18	927.00	899.60
20.00	DISCHG	869.71	838.35	806.60	775.15	744.62	715.49	687.99	662.19	638.01	615.31
22.00	DISCHG	593.94	573.96	555.47	538.47	522.83	508.54	495.51	483.69	472.89	462.73
24.00	DISCHG	452.92	443.23	433.68	424.20	414.87	405.47	396.03	386.22	375.34	362.91
26.00	DISCHG	348.29	331.31	312.09	291.55	270.76	250.98	232.79	216.42	201.73	188.33
28.00	DISCHG	175.90	164.34	153.43	143.16	133.58	124.55	115.96	107.74	99.86	92.30
30.00	DISCHG	84.97	77.82	70.78	63.93	57.41	51.26	45.44	39.98	34.92	30.33
32.00	DISCHG	26.24	22.59	19.36	16.51	14.05	11.97	10.21	8.70	7.40	6.31
34.00	DISCHG	5.41	4.67	4.04	3.49	3.03	2.65	2.33	2.05	1.81	1.58
36.00	DISCHG	1.40	1.26	1.13	1.02	0.91	0.82	0.74	0.67	0.61	0.54
38.00	DISCHG	0.49	0.44	0.40	0.37	0.33	0.30	0.27	0.25	0.23	0.21
40.00	DISCHG	0.19	0.17	0.15	0.14	0.12	0.11	0.10	0.09	0.08	0.07
42.00	DISCHG	0.06	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3076 CFS-HRS= 11029.32 ACRE-FT= 911.46

SUBROUTINE REACH CROSS SECTION 78
LENGTH= 4200.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

43.8
11.0
32.8

```
AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500      NUMBER OF ROUTINGS=  0.86

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.18                        1277.542                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3076      CFS-HRS=    11029.12      ACRE-FT=     911.45

SUBROUTINE RUNOFF    CROSS SECTION  79
AREA=   2.31     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.95

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.97                         59.231                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870      CFS-HRS=      427.88      ACRE-FT=      35.36

SUBROUTINE RUNOFF    CROSS SECTION  80
AREA=   1.11     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.20

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   13.60                         42.169                     (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871      CFS-HRS=      205.64      ACRE-FT=      16.99

SUBROUTINE ADDHYD    CROSS SECTION  80
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.22                         90.101                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870      CFS-HRS=      633.52      ACRE-FT=      52.35

SUBROUTINE REACH     CROSS SECTION  81
LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  4.33

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   16.35                         84.536                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871      CFS-HRS=      633.64      ACRE-FT=      52.36

SUBROUTINE RUNOFF    CROSS SECTION  82
AREA=   1.06     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
```

```
   13.42                          42.314                    (RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2872        CFS-HRS=      196.50        ACRE-FT=      16.24

SUBROUTINE ADDHYD    CROSS SECTION  82
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   16.11                         100.303                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871        CFS-HRS=      830.14        ACRE-FT=      68.60

SUBROUTINE RUNOFF    CROSS SECTION  83
AREA=   2.54     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.50

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   14.47                          69.306                    (RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2870        CFS-HRS=      470.49        ACRE-FT=      38.88

SUBROUTINE ADDHYD    CROSS SECTION  84
INPUT HYDROGRAPHS= 4,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.55                         157.881                      (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2871        CFS-HRS=     1300.63        ACRE-FT=     107.46

SUBROUTINE REACH     CROSS SECTION  85
LENGTH=  11000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  4.76

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   17.66                         151.460                      (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870        CFS-HRS=     1300.44        ACRE-FT=     107.47

SUBROUTINE RUNOFF    CROSS SECTION  86
AREA=   0.57     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   13.42                          22.754                    (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2872        CFS-HRS=      105.66        ACRE-FT=       8.73
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SUBROUTINE ADDHYD    CROSS SECTION  86
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              17.62                       157.801                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871      CFS-HRS=     1406.10      ACRE-FT=     116.20

SUBROUTINE RUNOFF    CROSS SECTION  87
           AREA=   1.28     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.00

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              13.42                       51.096                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2872      CFS-HRS=      237.28      ACRE-FT=      19.61

SUBROUTINE RUNOFF    CROSS SECTION  88
           AREA=   2.12     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.60

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.80                       59.026                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871      CFS-HRS=      392.82      ACRE-FT=      32.46

SUBROUTINE ADDHYD    CROSS SECTION  88
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              14.15                       95.853                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2872      CFS-HRS=      630.10      ACRE-FT=      52.07

SUBROUTINE REACH     CROSS SECTION  89
           LENGTH=  10000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  4.33

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              16.10                       88.830                       (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870      CFS-HRS=      629.86      ACRE-FT=      52.05

SUBROUTINE RUNOFF    CROSS SECTION  90
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```
AREA=   1.66      INPUT RUNOFF CURVE=  75.0      TIME OF CONCENTRATICN=  1.80

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.26                          70.823                        (RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2871        CFS-HRS=      307.61        ACRE-FT=      25.42


SUBROUTINE ACDHYD    CROSS SECTICN  90
           INPUT HYDRCGRAPHS= 5,6      OUTPUT HYDROGRAPH= 3

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   15.79                         114.884                        (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2871        CFS-HRS=      937.46        ACRE-FT=      77.47


SUBROUTINE ACDHYD    CRCSS SECTICN  91
           INPUT HYDRCGRAPHS= 2,3      OUTPUT HYCROGRAPH= 7

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   16.89                         255.185                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871        CFS-HRS=     2343.53        ACRE-FT=     193.67


SUBROUTINE REACH     CROSS SECTION  92
           LENGTH=   7500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  3.25

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   18.30                         250.278                        (NULL)

TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870        CFS-HRS=     2343.31        ACRE-FT=     193.65


SUBRCUTINE RLNOFF    CROSS SECTICN  93
           AREA=   0.64      INPUT RUNOFF CURVE=  75.0      TIME OF CONCENTRATION=  1.50

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.06                          30.671                        (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2872        CFS-HRS=      118.62        ACRE-FT=      9.80


SUBROUTINE ADDHYD    CROSS SECTION  93
           INPUT HYDRCGRAPHS= 5,6      OUTPUT HYDROGRAPH= 2

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
```

```
18.27                    256.293                    (NULL)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870     CFS-HRS=    2461.93     ACRE-FT=    203.45

SUBROUTINE RUNOFF    CROSS SECTION  94
AREA=   1.71    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  3.30

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  14.56                       49.263                      (RUNOFF)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870     CFS-HRS=     316.74     ACRE-FT=     26.18

SUBROUTINE ADDHYD    CROSS SECTION  95
INPUT HYDROGRAPHS= 2,6    OUTPUT HYDROGRAPH= 7

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  18.13                      278.438                       (NULL)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870     CFS-HRS=    2778.67     ACRE-FT=    229.63

SUBROUTINE REACH     CROSS SECTION  96
LENGTH=   5000.00    INPUT COEFFICIENT=  0.4700    INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508    AVERAGE ROUTING COEFF= 0.4700    NUMBER OF ROUTINGS=  2.17

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  19.04                      275.460                       (NULL)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870     CFS-HRS=    2778.64     ACRE-FT=    229.63

SUBROUTINE RUNOFF    CROSS SECTION  97
AREA=   0.52    INPUT RUNOFF CURVE=  75.0    TIME OF CONCENTRATION=  0.90

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  12.58                       34.478                      (RUNOFF)
  21.78                        3.417                      (RUNOFF)
  23.76                        2.978                      (RUNOFF)
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870     CFS-HRS=     96.32     ACRE-FT=     7.96

SUBROUTINE ADDHYD    CROSS SECTION  98
INPUT HYDROGRAPHS= 5,6    OUTPUT HYDROGRAPH= 4

PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
  19.04                      279.514                       (NULL)
```

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 15.52

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	1.68
12.00	DISCHG	8.82	22.48	34.32	39.56	41.00	42.69	47.36	53.89	62.17	71.85
14.00	DISCHG	82.66	94.21	106.21	118.21	129.49	139.78	149.00	157.15	164.66	171.93
16.00	DISCHG	179.33	187.14	195.54	204.52	213.90	223.46	232.90	241.89	250.22	257.70
18.00	DISCHG	264.19	269.60	273.83	276.88	278.75	279.50	279.15	277.76	275.41	272.14
20.00	DISCHG	268.07	263.31	258.01	252.28	246.16	239.73	233.14	226.51	219.92	213.32
22.00	DISCHG	206.73	200.23	193.90	187.77	181.84	176.09	170.59	165.43	160.57	155.94
24.00	DISCHG	151.46	147.06	142.61	138.18	133.96	129.99	126.28	122.68	119.15	115.68
26.00	DISCHG	112.24	108.81	105.37	101.91	98.46	95.00	91.59	88.22	84.91	81.68
28.00	DISCHG	78.50	75.37	72.27	69.17	66.07	62.96	59.83	56.70	53.56	50.44
30.00	DISCHG	47.34	44.29	41.30	38.38	35.55	32.83	30.21	27.72	25.35	23.12
32.00	DISCHG	21.02	19.06	17.24	15.54	13.98	12.55	11.23	10.03	8.94	7.96
34.00	DISCHG	7.07	6.26	5.54	4.90	4.33	3.82	3.36	2.96	2.60	2.29
36.00	DISCHG	2.01	1.77	1.55	1.36	1.19	1.04	0.91	0.80	0.70	0.61
38.00	DISCHG	0.53	0.46	0.40	0.35	0.30	0.26	0.22	0.19	0.16	0.14
40.00	DISCHG	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02
42.00	DISCHG	0.02	0.01	0.01	0.0						

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2870 CFS-HRS= 2874.96 ACRE-FT= 237.59

SUBROUTINE ADDHYD CROSS SECTION 100
INPUT HYDROGRAPHS= 1,4 OUTPUT HYDROGRAPH= 6

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.24	1427.071	(NULL)
18.50	1290.867	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.33	2.72
12.00	DISCHG	12.34	31.82	52.51	70.97	92.08	122.63	171.25	242.59	345.29	482.48
14.00	DISCHG	654.46	849.08	1045.73	1215.49	1336.93	1404.74	1426.46	1417.30	1394.52	1370.18
16.00	DISCHG	1349.29	1332.92	1319.56	1308.23	1298.52	1290.63	1284.85	1281.30	1280.03	1281.17
18.00	DISCHG	1284.20	1287.87	1290.41	1290.49	1287.23	1279.84	1267.75	1250.66	1228.54	1201.69
20.00	DISCHG	1170.75	1136.59	1100.31	1063.03	1025.54	988.55	952.70	918.39	885.78	854.77
22.00	DISCHG	825.26	797.21	770.73	745.93	722.78	701.21	681.24	662.86	646.01	630.38
24.00	DISCHG	615.61	601.31	587.13	573.13	559.42	546.09	532.97	519.90	506.51	492.21
26.00	DISCHG	476.44	458.61	438.49	416.22	392.56	368.56	345.38	323.69	303.77	285.58
28.00	DISCHG	268.78	253.06	238.25	224.15	210.70	197.90	185.65	173.85	162.44	151.39

30.00	DISCHG	140.68	130.26	120.08	110.11	100.43	91.15	82.33	73.98	66.11	58.78
32.00	DISCHG	52.03	45.91	40.38	35.40	30.93	26.99	23.54	20.52	17.88	15.57
34.00	DISCHG	13.56	11.83	10.33	9.04	7.91	6.92	6.07	5.34	4.70	4.13
36.00	DISCHG	3.63	3.20	2.83	2.51	2.22	1.97	1.74	1.55	1.38	1.22
38.00	DISCHG	1.08	0.96	0.85	0.75	0.67	0.60	0.53	0.47	0.42	0.37
40.00	DISCHG	0.33	0.29	0.26	0.23	0.20	0.18	0.16	0.14	0.12	0.10
42.00	DISCHG	0.09	0.07	0.06	0.04	0.04	0.03	0.02	0.02	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3031 CFS-HRS= 13904.11 ACRE-FT= 1149.04

SUBROUTINE RESVOR STRUCTURE 1
SURFACE ELEVATION= 100.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.24	1427.071	(NULL)
18.50	1290.867	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 71.08

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.33	2.72
12.00	DISCHG	12.34	31.82	52.51	70.97	92.08	122.63	171.25	242.59	345.29	482.48
14.00	DISCHG	654.46	849.08	1045.73	1215.49	1336.93	1404.74	1426.46	1417.30	1394.52	1370.18
16.00	DISCHG	1349.29	1332.92	1319.56	1308.23	1298.52	1290.63	1284.85	1281.30	1280.03	1281.17
18.00	DISCHG	1284.20	1287.87	1290.41	1290.49	1287.23	1279.84	1267.75	1250.66	1228.54	1201.69
20.00	DISCHG	1170.75	1136.59	1100.31	1063.03	1025.54	988.55	952.70	918.39	885.78	854.77
22.00	DISCHG	825.26	797.21	770.73	745.93	722.78	701.21	681.24	662.86	646.01	630.38
24.00	DISCHG	615.61	601.31	587.13	573.13	559.42	546.09	532.97	519.90	506.51	492.21
26.00	DISCHG	476.44	458.61	438.49	416.22	392.56	368.56	345.38	323.69	303.77	285.58
28.00	DISCHG	268.78	253.06	238.25	224.15	210.70	197.90	185.65	173.85	162.44	151.39
30.00	DISCHG	140.68	130.26	120.08	110.11	100.43	91.15	82.33	73.98	66.11	58.78
32.00	DISCHG	52.03	45.91	40.38	35.40	30.93	26.99	23.54	20.52	17.88	15.57
34.00	DISCHG	13.56	11.83	10.33	9.04	7.91	6.92	6.07	5.34	4.70	4.13
36.00	DISCHG	3.63	3.20	2.83	2.51	2.22	1.97	1.74	1.55	1.38	1.22
38.00	DISCHG	1.08	0.96	0.85	0.75	0.67	0.60	0.53	0.47	0.42	0.37
40.00	DISCHG	0.33	0.29	0.26	0.23	0.20	0.18	0.16	0.14	0.12	0.10
42.00	DISCHG	0.09	0.07	0.06	0.04	0.04	0.03	0.02	0.02	0.01	0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3031 CFS-HRS= 13904.11 ACRE-FT= 1149.04

SUBROUTINE RUNOFF CROSS SECTION 101
AREA= 1.00 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 2.20

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.60	37.991	(RUNOFF)

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2871        CFS-HRS=      185.26        ACRE-FT=      15.31

SUBROUTINE REACH     CROSS SECTION 102
LENGTH=  16000.00     INPUT COEFFICIENT=  0.8100     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   7.247       AVERAGE ROUTING COEFF= 0.8100       NUMBER OF ROUTINGS=  2.48

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.21                        37.069                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2872        CFS-HRS=      185.35        ACRE-FT=      15.32

SUBROUTINE RUNOFF    CROSS SECTION 103
AREA=   2.97     INPUT RUNOFF CURVE=  68.0     TIME OF CONCENTRATION=  3.80

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.59                        29.303                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1323        CFS-HRS=      253.58        ACRE-FT=      20.96

SUBROUTINE RUNOFF    CROSS SECTION 104
AREA=   9.48     INPUT RUNOFF CURVE=  74.0     TIME OF CONCENTRATION=  5.40

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   16.50                       171.796                       (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2607        CFS-HRS=     1594.71        ACRE-FT=     131.79

SUBROUTINE ADDHYD    CROSS SECTION 104
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.87                       200.511                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2300        CFS-HRS=     1848.26        ACRE-FT=     152.74

SUBROUTINE REACH     CROSS SECTION 105
LENGTH=   2700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.17

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   16.66                       198.390                        (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2300        CFS-HRS=     1848.28        ACRE-FT=     152.74
```

```
SUBROUTINE RUNOFF     CROSS SECTION 106
          AREA=   0.99     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  2.50

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            13.80                       33.720                       (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2869      CFS-HRS=      183.34      ACRE-FT=      15.15

SUBROUTINE ADDHYD     CROSS SECTION 107
          INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            16.38                       214.257                      (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2342      CFS-HRS=     2031.62      ACRE-FT=     167.89

SUBROUTINE REACH      CROSS SECTION 108
          LENGTH=   3000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=  1.508     AVERAGE ROUTING COEFF= 0.4700     NUMBER OF ROUTINGS=  1.30

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            17.01                       212.751                      (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2342      CFS-HRS=     2031.55      ACRE-FT=     167.89

SUBROUTINE RUNOFF     CROSS SECTION 109
          AREA=   3.70     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  4.40

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            15.22                       86.823                       (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870      CFS-HRS=      685.40      ACRE-FT=      56.64

SUBROUTINE ADDHYD     CROSS SECTION 109
          INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

          PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
            16.51                       286.042                      (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2456      CFS-HRS=     2716.94      ACRE-FT=     224.53

SUBROUTINE REACH      CROSS SECTION 110
```

```
LENGTH=  16000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  6.93

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   19.62                        275.039                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.2456     CFS-HRS=     2716.89     ACRE-FT=    224.52


SUBROUTINE RUNOFF    CROSS SECTION 111
AREA=   2.90     INPUT RUNOFF CURVE=  68.0     TIME OF CONCENTRATION=  3.00

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.82                        32.080                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1323       CFS-HRS=      247.62       ACRE-FT=      20.46


SUBROUTINE ADDHYD    CROSS SECTION 112
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   19.55                        291.437                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.2292     CFS-HRS=     2964.52     ACRE-FT=    244.99


SUBROUTINE RUNOFF    CROSS SECTION 113
AREA=   1.25     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.20

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.32                        36.372                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870       CFS-HRS=      231.52       ACRE-FT=      19.13


SUBROUTINE RUNOFF    CROSS SECTION 114
AREA=   2.05     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  5.00

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   15.61                        43.909                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=  0.2871     CFS-HRS=      379.79     ACRE-FT=     31.39


SUBROUTINE ADDHYD    CROSS SECTION 114
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
```

```
14.85                          75.184                          (NULL)
TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870        CFS-HRS=      611.31        ACRE-FT=      50.52

SUBROUTINE REACH     CROSS SECTION 115
LENGTH=   2700.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.470C       NUMBER OF ROUTINGS=  1.17

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  15.53                          74.409                          (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2870        CFS-HRS=      611.25        ACRE-FT=      50.51

SUBROUTINE RUNOFF    CROSS SECTICN 116
AREA=   3.20     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATICN=  5.40

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  15.88                          65.333                          (RUNOFF)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2870        CFS-HRS=      592.76        ACRE-FT=      48.99

SUBROUTINE ADDHYD    CROSS SECTICN 116
INPUT HYDRCGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  15.77                          138.906                         (NULL)

TOTAL WATER, IN INCHES CN DRAINAGE AREA=   0.2870        CFS-HRS=     1204.02        ACRE-FT=      99.50

SUBROUTINE REACH     CROSS SECTICN 117
LENGTH=   2500.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  1.08

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  16.21                          136.868                         (NULL)

TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870        CFS-HRS=     1204.03        ACRE-FT=      99.50

SUBRCUTINE ADDHYD    CROSS SECTICN 118
INPUT HYDRCGRAPHS= 5,4     OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
  19.C5                          386.273                         (NULL)
```

```
TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2434        CFS-HRS=     4168.54        ACRE-FT=     344.49

SUBROUTINE RUNOFF     CROSS SECTION 120
           AREA=   0.58     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  1.30

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.88                     30.594                       (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2866        CFS-HRS=      107.26        ACRE-FT=       8.86

SUBROUTINE ADDHYD     CROSS SECTION 120
           INPUT HYDROGRAPHS= 7,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.03                    390.997                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2443        CFS-HRS=     4275.80        ACRE-FT=     353.35

SUBROUTINE REACH      CROSS SECTION 121
           LENGTH=   4650.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  2.01

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.90                    388.008                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2443        CFS-HRS=     4275.81        ACRE-FT=     353.35

SUBROUTINE RUNOFF     CROSS SECTION 122
           AREA=   0.41     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  0.90

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              12.58                     27.185                       (RUNOFF)
              21.78                      2.694                       (RUNOFF)
              23.76                      2.348                       (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2870        CFS-HRS=       75.94        ACRE-FT=       6.28

SUBROUTINE ADDHYD     CROSS SECTION 123
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

           PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
              19.89                    391.097                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2449        CFS-HRS=     4351.75        ACRE-FT=     359.63
```

SUBROUTINE REACH CROSS SECTION 124
LENGTH= 2400.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 1.04

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.34	389.577	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2449 CFS-HRS= 4351.75 ACRE-FT= 359.63

SUBROUTINE RUNOFF CROSS SECTION 125
AREA= 0.54 INPUT RUNOFF CURVE= 75.0 TIME OF CONCENTRATION= 0.47

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.23	54.270	(RUNOFF)
16.93	5.414	(RUNOFF)
19.41	4.147	(RUNOFF)
21.58	3.664	(RUNOFF)
23.58	3.204	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2877 CFS-HRS= 100.25 ACRE-FT= 8.28

SUBROUTINE ADDHYD CROSS SECTION 125
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.27	59.059	(NULL)
20.33	393.289	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2458 CFS-HRS= 4452.00 ACRE-FT= 367.91

SUBROUTINE REACH CROSS SECTION 126
LENGTH= 1800.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 0.78

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.67	392.201	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 28.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51
12.00	DISCHG	5.60	21.95	40.06	46.05	47.64	48.18	48.73	50.29	52.96	56.98
14.00	DISCHG	62.02	67.94	74.71	82.26	90.68	99.90	109.85	120.43	131.49	143.00
16.00	DISCHG	154.83	166.95	179.36	192.06	205.13	218.56	232.30	246.22	260.24	274.27
18.00	DISCHG	288.13	301.65	314.67	327.01	338.56	349.23	358.89	367.42	374.75	380.81
20.00	DISCHG	385.52	388.94	391.13	392.13	391.95	390.61	388.22	384.97	380.96	376.17
22.00	DISCHG	370.62	364.45	357.82	350.83	343.54	335.97	328.27	320.61	313.06	305.56
24.00	DISCHG	298.06	290.58	282.96	275.14	267.54	260.29	253.34	246.65	240.18	233.90
26.00	DISCHG	227.76	221.74	215.83	210.02	204.30	198.68	193.14	187.68	182.30	176.98
28.00	DISCHG	171.73	166.55	161.42	156.35	151.31	146.31	141.32	136.34	131.35	126.35
30.00	DISCHG	121.34	116.31	111.27	106.23	101.18	96.17	91.19	86.26	81.41	76.65
32.00	DISCHG	72.00	67.48	63.09	58.86	54.78	50.88	47.16	43.62	40.26	37.10
34.00	DISCHG	34.12	31.33	28.73	26.30	24.06	21.98	20.06	18.30	16.68	15.19
36.00	DISCHG	13.84	12.59	11.46	10.43	9.49	8.63	7.85	7.14	6.49	5.90
38.00	DISCHG	5.36	4.87	4.42	4.02	3.65	3.31	3.00	2.73	2.47	2.24
40.00	DISCHG	2.03	1.84	1.66	1.50	1.36	1.22	1.10	0.99	0.89	0.80
42.00	DISCHG	0.72	0.64	0.58	0.52	0.46	0.41	0.37	0.33	0.29	0.26
44.00	DISCHG	0.23	0.20	0.18	0.16	0.14	0.12	0.10	0.09	0.08	0.06
46.00	DISCHG	0.05	0.04	0.04	0.03	0.02	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2457 CFS-HRS= 4451.71 ACRE-FT= 367.89

SUBROUTINE ADDHYD CROSS SECTION 127
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.64	400.337	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2472 CFS-HRS= 4637.06 ACRE-FT= 383.21

SUBROUTINE REACH CROSS SECTION 128
LENGTH= 9000.00 INPUT COEFFICIENT= 0.8100 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 7.247 AVERAGE ROUTING COEFF= 0.8100 NUMBER OF ROUTINGS= 1.40

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
20.58	400.006	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 29.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.24	2.88	12.95	29.47	43.00	51.01	57.01	63.23	70.31	78.01
14.00	DISCHG	85.88	93.44	100.46	106.98	113.13	119.22	125.67	132.81	140.76	149.48
16.00	DISCHG	158.89	168.87	179.33	190.25	201.59	213.36	225.60	238.26	251.27	264.52

18.00	DISCHG	277.91	291.31	304.54	317.44	329.82	341.52	352.42	362.41	371.34	379.5
20.00	DISCHG	385.75	391.08	395.13	397.94	399.55	400.00	399.28	397.45	394.65	391.02
22.00	DISCHG	386.61	381.43	375.56	369.15	362.32	355.15	347.69	340.01	332.26	324.56
24.00	DISCHG	316.92	309.31	301.71	294.07	286.26	278.45	270.82	263.43	256.24	249.21
26.00	DISCHG	242.32	235.56	228.93	222.43	216.09	209.90	203.87	198.00	192.26	186.65
28.00	DISCHG	181.14	175.73	170.41	165.17	160.00	154.88	149.82	144.78	139.77	134.76
30.00	DISCHG	129.75	124.74	119.71	114.67	109.62	104.57	99.53	94.52	89.56	84.66
32.00	DISCHG	79.85	75.13	70.52	66.05	61.71	57.53	53.52	49.68	46.01	42.54
34.00	DISCHG	39.24	36.14	33.23	30.50	27.96	25.59	23.40	21.37	19.50	17.79
36.00	DISCHG	16.21	14.77	13.44	12.24	11.14	10.13	9.22	8.38	7.62	6.93
38.00	DISCHG	6.30	5.73	5.21	4.73	4.30	3.90	3.54	3.21	2.92	2.65
40.00	DISCHG	2.40	2.17	1.97	1.78	1.61	1.45	1.31	1.18	1.07	0.96
42.00	DISCHG	0.86	0.77	0.69	0.62	0.56	0.50	0.44	0.40	0.35	0.32
44.00	DISCHG	0.28	0.25	0.22	0.20	0.17	0.15	0.13	0.12	0.10	0.09
46.00	DISCHG	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2472 CFS-HRS= 4637.11 ACRE-FT= 383.21

SUBROUTINE ADDHYD CROSS SECTION 129
INPUT HYDROGRAPHS= 5,2 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.29	1554.922	(NULL)
19.06	1621.582	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 100.15

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.08	0.33	2.72
12.00	DISCHG	12.59	34.70	65.47	100.44	135.08	173.65	228.25	305.82	415.61	560.49
14.00	DISCHG	740.34	942.52	1146.19	1322.46	1450.06	1523.96	1552.13	1550.11	1535.29	1519.67
16.00	DISCHG	1508.18	1501.79	1498.89	1498.48	1500.11	1503.99	1510.45	1519.57	1531.30	1545.69
18.00	DISCHG	1562.12	1579.17	1594.95	1607.93	1617.05	1621.36	1620.18	1613.07	1599.89	1580.84
20.00	DISCHG	1556.50	1527.67	1495.43	1460.96	1425.09	1388.55	1351.98	1315.84	1280.43	1245.80
22.00	DISCHG	1211.87	1178.64	1146.29	1115.08	1085.10	1056.36	1028.92	1002.88	978.27	954.94
24.00	DISCHG	932.52	910.62	888.85	867.19	845.68	824.54	803.79	783.33	762.75	741.42
26.00	DISCHG	718.76	694.17	667.42	638.65	608.65	578.47	549.26	521.68	496.04	472.23
28.00	DISCHG	449.93	428.79	408.66	389.32	370.69	352.78	335.47	318.64	302.21	286.15
30.00	DISCHG	270.43	255.00	239.79	224.78	210.05	195.72	181.87	168.50	155.67	143.44
32.00	DISCHG	131.88	121.04	110.90	101.44	92.64	84.52	77.06	70.20	63.89	58.10
34.00	DISCHG	52.80	47.97	43.56	39.54	35.86	32.51	29.47	26.71	24.20	21.92
36.00	DISCHG	19.84	17.96	16.27	14.75	13.36	12.10	10.96	9.93	9.00	8.15
38.00	DISCHG	7.38	6.69	6.06	5.48	4.97	4.50	4.07	3.68	3.34	3.02
40.00	DISCHG	2.73	2.47	2.23	2.01	1.81	1.64	1.47	1.32	1.19	1.06
42.00	DISCHG	0.95	0.85	0.75	0.67	0.59	0.53	0.47	0.42	0.37	0.32
44.00	DISCHG	0.28	0.25	0.22	0.20	0.17	0.15	0.13	0.12	0.10	0.09

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46.00   DISCHG        0.07      0.06      0.05      0.04      0.03      0.03      0.02      0.0

        TCTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2869        CFS-HRS=    18541.27        ACRE-FT=    1532.25

SUBROUTINE REACH     CROSS SECTICN 130
        LENGTH=  11000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

        AVERAGE WATER VELOCITY=   5.100       AVERAGE ROUTING COEFF= 0.750C       NUMBER OF ROUTINGS=  2.25

        PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
           15.58                        1539.117                     (NULL)
           19.63                        1618.711                     (NULL)

        TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2869        CFS-HRS=    18541.31        ACRE-FT=    1532.25
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47.2
1110
36.2

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                                                                                                PASS=  3
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,    FROM XSECTN/STRUCT 131/  0     TO XSECTN/STRUCT 158/  0
      STARTING TIME=  0.0     RAIN DEPTH=  1.75    RAIN DURATION=  1.00    RAIN TABLE NO.= 1     SOIL CONDITION= 2
      ALTERNATE NO.= 3        STORM NO.= 3

SUBROUTINE RUNOFF    CROSS SECTION 131
      AREA=   1.56    INPUT RUNOFF CURVE=  68.0    TIME OF CONCENTRATION=  2.80

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        14.49                          14.942                       (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1184       CFS-HRS=      119.21       ACRE-FT=       9.85

SUBROUTINE REACH     CROSS SECTION 132
      LENGTH=  28400.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

      AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS= 12.30

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        20.37                          12.941                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1184       CFS-HRS=      119.19       ACRE-FT=       9.85

SUBROUTINE RUNOFF    CROSS SECTION 133
      AREA=   6.11    INPUT RUNOFF CURVE=  50.0    TIME OF CONCENTRATION=  5.60

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0        ACRE-FT=       0.0

SUBROUTINE ADDHYD    CROSS SECTION 134
      INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 7

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        20.37                          12.941                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0241       CFS-HRS=      119.19       ACRE-FT=       9.85

SUBROUTINE REACH     CROSS SECTION 135
      LENGTH=  17000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

      AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  7.36

      PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
        23.69                          12.295                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0241       CFS-HRS=      119.18       ACRE-FT=       9.85
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SUBROUTINE RUNOFF     CROSS SECTION 136
          AREA=   3.60      INPUT RUNOFF CURVE=  53.0      TIME OF CONCENTRATION=  3.20

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0          ACRE-FT=        0.0

SUBROUTINE ADDHYD     CROSS SECTION 136
          INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 4

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             23.69                        12.295                          (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0164       CFS-HRS=      119.18         ACRE-FT=        9.85

SUBROUTINE RUNOFF     CROSS SECTION 137
          AREA=   4.68      INPUT RUNOFF CURVE=  53.0      TIME OF CONCENTRATION=  5.60

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0          ACRE-FT=        0.0

SUBROUTINE REACH      CROSS SECTION 138
          LENGTH=  12700.00      INPUT COEFFICIENT=  0.4700      INPUT ROUTINGS=  0.0

          AVERAGE WATER VELOCITY=   0.0          AVERAGE ROUTING COEFF= 0.0          NUMBER OF ROUTINGS=  0.0

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0          ACRE-FT=        0.0

SUBROUTINE RUNOFF     CROSS SECTION 139
          AREA=   0.72      INPUT RUNOFF CURVE=  55.0      TIME OF CONCENTRATION=  2.40

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             24.44                         0.176                        (RUNOFF)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0015       CFS-HRS=        0.72         ACRE-FT=        0.06

SUBROUTINE ADDHYD     CROSS SECTION 139
          INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

          PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
             24.44                         0.176                          (NULL)

          TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0002       CFS-HRS=        0.72         ACRE-FT=        0.06

SUBROUTINE ADDHYD     CROSS SECTION 140
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INPUT HYDROGRAPHS= 4,7      OUTPUT HYDROGRAPH= 6

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   23.72                        12.457                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0111      CFS-HRS=      119.90      ACRE-FT=       9.91

SUBROUTINE REACH     CROSS SECTION 141
LENGTH=   2000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  0.87

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   24.11                        12.392                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0111      CFS-HRS=      119.89      ACRE-FT=       9.91

SUBROUTINE RUNOFF    CROSS SECTION 142
AREA=   5.25     INPUT RUNOFF CURVE=  75.0     TIME OF CONCENTRATION=  3.30

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.59                       137.967                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2652      CFS-HRS=      898.59      ACRE-FT=      74.26

SUBROUTINE ADDHYD    CROSS SECTION 143
INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.59                       137.967                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0720      CFS-HRS=     1018.49      ACRE-FT=      84.17

SUBROUTINE REACH     CROSS SECTION 144
LENGTH=   1800.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508      AVERAGE ROUTING COEFF= 0.4700      NUMBER OF ROUTINGS=  0.78

PEAK TIMES                  PEAK DISCHARGES              PEAK ELEVATIONS
   14.89                       135.615                       (NULL)

TIME                        HYDROGRAPH, TZERO=   0.0      DELTA T= 0.20      DRAINAGE AREA=  21.92
0.0     DISCHG     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
2.00    DISCHG     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
4.00    DISCHG     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
6.00    DISCHG     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
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8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.64	1.83
12.00	DISCHG	3.72	7.64	13.48	20.82	31.23	43.72	57.33	71.96	87.01	101.20
14.00	DISCHG	112.42	121.98	129.25	133.23	135.37	135.31	133.01	129.51	124.83	119.27
16.00	DISCHG	113.42	107.87	102.57	97.49	92.90	88.58	84.48	80.74	77.19	73.86
18.00	DISCHG	70.87	68.04	65.43	63.02	60.76	58.70	56.81	55.05	53.49	52.09
20.00	DISCHG	50.81	49.75	48.84	48.06	47.46	46.97	46.60	46.35	46.18	46.07
22.00	DISCHG	46.01	45.97	45.94	45.91	45.84	45.74	45.59	45.39	45.15	44.85
24.00	DISCHG	44.47	44.00	43.42	42.69	41.77	40.69	39.37	37.81	36.10	34.19
26.00	DISCHG	32.15	30.05	27.95	25.86	23.83	21.96	20.19	18.55	17.12	15.82
28.00	DISCHG	14.66	13.67	12.78	11.99	11.30	10.68	10.13	9.64	9.19	8.81
30.00	DISCHG	8.46	8.13	7.85	7.60	7.36	7.15	6.94	6.76	6.58	6.40
32.00	DISCHG	6.23	6.06	5.88	5.69	5.50	5.30	5.09	4.86	4.63	4.39
34.00	DISCHG	4.14	3.88	3.62	3.36	3.10	2.85	2.60	2.36	2.14	1.92
36.00	DISCHG	1.72	1.53	1.36	1.20	1.06	0.92	0.81	0.70	0.61	0.52
38.00	DISCHG	0.45	0.39	0.33	0.28	0.24	0.20	0.17	0.15	0.12	0.10
40.00	DISCHG	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0720 CFS-HRS= 1018.53 ACRE-FT= 84.17

SUBROUTINE ADDHYD CROSS SECTION 145
INPUT HYDROGRAPHS= 5,3 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.89	1655.958	(NULL)
19.57	1672.188	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 122.07

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.64	1.86
12.00	DISCHG	3.88	8.90	19.74	40.16	72.82	114.66	161.08	211.41	270.64	344.95
14.00	DISCHG	440.49	564.80	720.18	901.46	1097.29	1286.12	1445.05	1559.83	1626.80	1653.03
16.00	DISCHG	1652.18	1638.50	1621.77	1607.13	1596.34	1588.90	1584.25	1582.28	1582.91	1586.31
18.00	DISCHG	1592.62	1601.73	1613.44	1626.95	1640.80	1653.52	1663.70	1670.19	1672.14	1668.85
20.00	DISCHG	1659.89	1645.26	1625.13	1600.04	1570.85	1538.53	1504.06	1468.30	1431.93	1395.56
22.00	DISCHG	1359.61	1324.28	1289.68	1255.76	1222.59	1190.33	1159.13	1129.05	1100.19	1072.60
24.00	DISCHG	1046.31	1021.27	997.30	974.00	950.99	928.08	905.10	882.13	859.34	836.68
26.00	DISCHG	814.02	791.01	767.20	742.01	715.06	686.29	655.93	624.73	593.74	563.75
28.00	DISCHG	535.39	508.93	484.23	461.08	439.22	418.41	398.51	379.43	361.06	343.34
30.00	DISCHG	326.14	309.39	293.06	277.08	261.40	245.97	230.80	215.96	201.53	187.56
32.00	DISCHG	174.08	161.15	148.82	137.15	126.18	115.88	106.24	97.27	88.96	81.27
34.00	DISCHG	74.18	67.63	61.60	56.06	50.98	46.33	42.06	38.16	34.59	31.34
36.00	DISCHG	28.39	25.69	23.24	21.01	19.00	17.18	15.53	14.04	12.69	11.47
38.00	DISCHG	10.37	9.37	8.47	7.65	6.92	6.25	5.65	5.10	4.61	4.17
40.00	DISCHG	3.77	3.40	3.07	2.77	2.50	2.25	2.03	1.83	1.63	1.47

42.00	DISCHG	1.32	1.18	1.06	0.95	0.84	0.75	0.67	0.59	0.53	0.47
44.00	DISCHG	0.42	0.36	0.32	0.28	0.25	0.22	0.20	0.17	0.15	0.13
46.00	DISCHG	0.12	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.03	0.01
48.00	DISCHG	0.0									

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2483 CFS-HRS= 19559.84 ACRE-FT= 1616.42

SUBROUTINE REACH CROSS SECTION 146
LENGTH= 7000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 1.43

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.32	1645.304	(NULL)
19.93	1670.312	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2483 CFS-HRS= 19559.83 ACRE-FT= 1616.42

SUBROUTINE RUNOFF CROSS SECTION 147
AREA= 3.07 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 5.00

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE RUNOFF CROSS SECTION 148
AREA= 0.69 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 1.80

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE ADDHYD CROSS SECTION 148
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE REACH CROSS SECTION 149
LENGTH= 29350.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 0.0 AVERAGE ROUTING COEFF= 0.0 NUMBER OF ROUTINGS= 0.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE RUNOFF CROSS SECTION 150
AREA= 5.93 INPUT RUNOFF CURVE= 51.0 TIME OF CONCENTRATION= 5.60

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

48.0
1.2
26.4

```
SUBROUTINE ADDHYD    CROSS SECTION 151
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 7

  TIME                                HYDROGRAPH, IZERO=   0.0          DELTA T= 0.20          DRAINAGE AREA=   9.69
  0.0      DISCHG        0.0

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0          ACRE-FT=        0.0

SUBROUTINE ADDHYD    CROSS SECTION 152
           INPUT HYDROGRAPHS= 7,3      OUTPUT HYDROGRAPH= 6

           PEAK TIMES                  PEAK DISCHARGES             PEAK ELEVATIONS
              16.32                       1645.304                    (NULL)
              19.93                       1670.312                    (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2300       CFS-HRS=    19559.83         ACRE-FT=    1616.42

SUBROUTINE REACH     CROSS SECTION 153
           LENGTH=  20000.00     INPUT COEFFICIENT=  0.7500     INPUT ROUTINGS=  0.0

           AVERAGE WATER VELOCITY=   5.100      AVERAGE ROUTING COEFF= 0.7500       NUMBER OF ROUTINGS=  4.08

           PEAK TIMES                  PEAK DISCHARGES             PEAK ELEVATIONS
              17.55                       1627.674                    (NULL)
              20.99                       1666.084                    (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.2300       CFS-HRS=    19559.80         ACRE-FT=    1616.42

SUBROUTINE RUNOFF    CROSS SECTION 154
           AREA=   1.03     INPUT RUNOFF CURVE=  68.0     TIME OF CONCENTRATION=  1.70

           PEAK TIMES                  PEAK DISCHARGES             PEAK ELEVATIONS
              13.58                       12.569                      (RUNOFF)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1184       CFS-HRS=        78.72        ACRE-FT=        6.51

SUBROUTINE ADDHYD    CROSS SECTION 155
           INPUT HYDROGRAPHS= 5,6      OUTPUT HYDROGRAPH= 3

           PEAK TIMES                  PEAK DISCHARGES             PEAK ELEVATIONS
              17.55                       1633.547                    (NULL)
              20.99                       1670.270                    (NULL)

  TIME                                HYDROGRAPH, IZERO=   0.0          DELTA T= 0.20          DRAINAGE AREA= 132.79
```

0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
12.00	DISCHG	0.52	1.44	3.20	5.43	8.24	10.97	14.03	18.30	25.27	37.89
14.00	DISCHG	58.22	86.93	123.23	166.36	217.21	278.67	355.27	452.22	573.40	719.23
16.00	DISCHG	884.81	1059.17	1227.25	1374.01	1488.61	1566.99	1611.97	1631.06	1633.27	1626.61
18.00	DISCHG	1616.82	1607.22	1599.38	1593.94	1591.11	1590.99	1593.65	1599.11	1607.22	1617.57
20.00	DISCHG	1629.37	1641.54	1652.86	1662.12	1668.23	1670.26	1667.53	1659.62	1646.41	1628.04
22.00	DISCHG	1604.94	1577.77	1547.32	1514.44	1479.92	1444.46	1408.66	1372.98	1337.69	1302.99
24.00	DISCHG	1268.93	1235.63	1203.10	1171.48	1140.87	1111.34	1083.06	1056.02	1030.19	1005.39
26.00	DISCHG	981.34	957.79	934.52	911.41	888.42	865.55	842.72	819.77	796.41	772.25
28.00	DISCHG	746.91	720.14	691.90	662.45	632.34	602.24	572.83	544.60	517.84	492.62
30.00	DISCHG	468.86	446.41	425.11	404.81	385.38	366.71	348.70	331.26	314.32	297.80
32.00	DISCHG	281.66	265.85	250.33	235.13	220.27	205.79	191.76	178.21	165.20	152.78
34.00	DISCHG	140.99	129.85	119.38	109.56	100.41	91.91	84.02	76.73	70.00	63.80
36.00	DISCHG	58.09	52.85	48.05	43.64	39.61	35.93	32.57	29.50	26.71	24.17
38.00	DISCHG	21.87	19.77	17.88	16.17	14.62	13.21	11.94	10.80	9.76	8.82
40.00	DISCHG	7.97	7.20	6.51	5.88	5.32	4.80	4.34	3.92	3.54	3.20
42.00	DISCHG	2.89	2.60	2.35	2.11	1.90	1.71	1.53	1.38	1.23	1.11
44.00	DISCHG	0.99	0.88	0.79	0.70	0.62	0.55	0.49	0.43	0.38	0.34
46.00	DISCHG	0.30	0.26	0.23	0.21	0.18	0.16	0.14	0.12	0.11	0.09
48.00	DISCHG	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.2292 CFS-HRS= 19638.52 ACRE-FT= 1622.93

SUBROUTINE RUNOFF CROSS SECTION 156
AREA= 15.90 INPUT RUNOFF CURVE= 54.0 TIME OF CONCENTRATION= 3.80

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
25.46	0.675	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0002 CFS-HRS= 2.56 ACRE-FT= 0.21

SUBROUTINE REACH CROSS SECTION 157
LENGTH= 46000.00 INPUT COEFFICIENT= 0.7000 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 3.967 AVERAGE ROUTING COEFF= 0.7000 NUMBER OF ROUTINGS= 11.27

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
28.81	0.623	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0002 CFS-HRS= 2.55 ACRE-FT= 0.21

SUBROUTINE RUNOFF CROSS SECTION 158

49.4
11.6
37.8

```
AREA=   4.70     INPUT RUNOFF CURVE=  53.0     TIME OF CONCENTRATION=  3.20

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0          CFS-HRS=        0.0        ACRE-FT=        0.0

SUBROUTINE ADDHYD    CROSS SECTION 158
           INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 4

           PEAK TIMES                 PEAK DISCHARGES              PEAK ELEVATIONS
              28.81                        0.623                        (NULL)

           TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0002       CFS-HRS=        2.55       ACRE-FT=        0.21
```

```
                                                                                                PASS=  3
EXECUTIVE CONTROL CARD          OPERATION  COMPUT,     FROM XSECTN/STRUCT 159/  0     TO XSECTN/STRUCT 174/  0
      STARTING TIME=  0.0      RAIN DEPTH=  1.70     RAIN DURATION=  1.00     RAIN TABLE NO.= 1     SOIL CONDITION= 2
      ALTERNATE NO.= 3         STORM NO.= 3

SUBROUTINE RUNOFF    CROSS SECTION 159
      AREA=   7.90     INPUT RUNOFF CURVE=  58.0     TIME OF CONCENTRATION=  4.30

      PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
        24.31                       5.386                        (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0084      CFS-HRS=      43.03      ACRE-FT=      3.56

SUBROUTINE RUNOFF    CROSS SECTION 160
      AREA=   9.00     INPUT RUNOFF CURVE=  73.0     TIME OF CONCENTRATION=  2.70

      PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
        14.09                     179.886                        (RUNOFF)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1976      CFS-HRS=    1147.87      ACRE-FT=     94.86

SUBROUTINE ADDHYD    CROSS SECTION 161
      INPUT HYDROGRAPHS= 5,6    OUTPUT HYDROGRAPH= 7

      PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
        14.09                     179.886                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1092      CFS-HRS=    1190.90      ACRE-FT=     98.42

SUBROUTINE REACH     CROSS SECTION 162
      LENGTH=   8800.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

      AVERAGE WATER VELOCITY=   1.508     AVERAGE ROUTING COEFF= 0.4700     NUMBER OF ROUTINGS=  3.81

      PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
        15.84                     164.417                        (NULL)

      TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1092      CFS-HRS=    1190.53      ACRE-FT=     98.39

SUBROUTINE RUNOFF    CROSS SECTION 163
      AREA=  16.60     INPUT RUNOFF CURVE=  65.0     TIME OF CONCENTRATION=  3.80

      PEAK TIMES                PEAK DISCHARGES              PEAK ELEVATIONS
        16.76                      65.999                        (RUNOFF)
```

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0645 CFS-HRS= 691.02 ACRE-FT= 57.11

SUBROUTINE ADDHYD CROSS SECTION 164
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
15.95	227.868	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0870 CFS-HRS= 1881.53 ACRE-FT= 155.49

SUBROUTINE REACH CROSS SECTION 165
LENGTH= 5200.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 2.25

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.58	221.055	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0870 CFS-HRS= 1881.52 ACRE-FT= 155.49

SUBROUTINE RUNOFF CROSS SECTION 166
AREA= 6.00 INPUT RUNOFF CURVE= 67.0 TIME OF CONCENTRATION= 2.50

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.64	42.256	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0905 CFS-HRS= 350.27 ACRE-FT= 28.95

SUBROUTINE ADDHYD CROSS SECTION 167
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
16.89	253.827	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 39.50

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.52
12.00	DISCHG	0.98	2.92	4.94	8.88	13.25	18.82	25.31	32.18	40.03	49.00
14.00	DISCHG	59.22	71.53	85.37	101.77	119.46	138.77	158.44	178.03	196.42	212.93
16.00	DISCHG	226.98	238.13	246.18	251.24	253.57	253.48	251.41	247.87	243.15	237.70
18.00	DISCHG	231.71	225.46	219.08	212.70	206.42	200.33	194.45	188.88	183.61	178.65
20.00	DISCHG	174.01	169.64	165.55	161.68	158.03	154.56	151.29	148.17	145.25	142.47

22.00	DISCHG	139.89	137.47	135.17	132.98	130.89	128.88	126.95	125.11	123.35	121.67
24.00	DISCHG	120.05	118.33	116.66	114.63	112.50	109.95	107.18	104.18	100.94	97.60
26.00	DISCHG	94.10	90.37	86.57	82.49	78.38	73.92	69.38	64.58	59.71	54.73
28.00	DISCHG	49.81	45.00	40.34	35.95	31.87	28.12	24.71	21.65	18.92	16.49
30.00	DISCHG	14.35	12.47	10.82	9.38	8.13	7.04	6.09	5.27	4.56	3.95
32.00	DISCHG	3.42	2.96	2.56	2.22	1.92	1.67	1.44	1.25	1.07	0.93
34.00	DISCHG	0.80	0.69	0.59	0.50	0.43	0.37	0.31	0.27	0.23	0.19
36.00	DISCHG	0.16	0.14	0.11	0.09	0.08	0.06	0.05	0.04	0.04	0.03
38.00	DISCHG	0.03	0.02	0.02	0.01	0.01	0.01	0.0			

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0875 CFS-HRS= 2231.79 ACRE-FT= 184.43

SUBROUTINE REACH CROSS SECTION 168
LENGTH= 21000.00 INPUT COEFFICIENT= 0.4700 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 1.508 AVERAGE ROUTING COEFF= 0.4700 NUMBER OF ROUTINGS= 9.09

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
21.02	233.395	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0875 CFS-HRS= 2231.69 ACRE-FT= 184.43

SUBROUTINE RUNOFF CROSS SECTION 169
AREA= 3.90 INPUT RUNOFF CURVE= 50.0 TIME OF CONCENTRATION= 4.00

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE ADDHYD CROSS SECTION 169
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 2

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
21.02	233.395	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0797 CFS-HRS= 2231.69 ACRE-FT= 184.43

SUBROUTINE RUNOFF CROSS SECTION 170
AREA= 13.90 INPUT RUNOFF CURVE= 73.0 TIME OF CONCENTRATION= 2.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
13.50	333.506	(RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1977 CFS-HRS= 1773.29 ACRE-FT= 146.54

SUBROUTINE ADDHYD CROSS SECTION 171
INPUT HYDROGRAPHS= 2,6 OUTPUT HYDROGRAPH= 7

```
PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   13.50                          333.506                       (NULL)
   20.80                          312.792                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1083        CFS-HRS=     4004.99        ACRE-FT=     330.97


SUBROUTINE REACH    CROSS SECTION 172
LENGTH=  16000.00     INPUT COEFFICIENT=  0.4700     INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   1.508       AVERAGE ROUTING COEFF= 0.4700       NUMBER OF ROUTINGS=  6.93

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   16.72                          266.212                       (NULL)
   23.87                          301.784                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1083        CFS-HRS=     4003.53        ACRE-FT=     330.85


SUBROUTINE RUNOFF    CROSS SECTION 173
AREA=   8.30     INPUT RUNOFF CURVE=  79.0     TIME OF CONCENTRATION=  1.40

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.89                          576.778                      (RUNOFF)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.3557        CFS-HRS=     1905.46        ACRE-FT=     157.47


SUBROUTINE ADDHYD    CROSS SECTION 174
INPUT HYDROGRAPHS= 5,6     OUTPUT HYDROGRAPH= 2

PEAK TIMES                    PEAK DISCHARGES                PEAK ELEVATIONS
   12.89                          576.778                       (NULL)
   16.46                          377.309                       (NULL)
   23.83                          354.190                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1396        CFS-HRS=     5908.98        ACRE-FT=     488.32
```

PASS= 3

EXECUTIVE CONTROL CARD OPERATION COMPUT, FROM XSECTN/STRUCT 175/ 0 TO XSECTN/STRUCT 190/ 0
STARTING TIME= 0.0 RAIN DEPTH= 1.65 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 SOIL CONDITION= 2
ALTERNATE NO.= 3 STORM NO.= 3

SUBROUTINE RUNOFF CROSS SECTION 175
AREA= 2.60 INPUT RUNOFF CURVE= 53.0 TIME OF CONCENTRATION= 3.20

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0 CFS-HRS= 0.0 ACRE-FT= 0.0

SUBROUTINE ADDHYD CROSS SECTION 176
INPUT HYDROGRAPHS= 2,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.89	576.778	(NULL)
16.46	377.309	(NULL)
23.83	354.190	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 68.20

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.59	31.24
12.00	DISCHG	103.62	244.90	401.59	516.54	570.88	568.57	521.14	449.85	392.05	345.13
14.00	DISCHG	308.40	282.18	266.82	262.66	267.59	279.73	296.73	316.07	335.33	352.47
16.00	DISCHG	365.58	373.82	377.14	376.19	371.97	365.23	356.44	346.15	334.80	322.85
18.00	DISCHG	310.74	298.72	287.27	276.73	267.44	259.72	253.84	249.97	247.89	247.34
20.00	DISCHG	248.11	250.10	253.33	257.86	263.46	269.97	277.33	285.51	294.50	304.00
22.00	DISCHG	313.28	321.96	329.79	336.62	342.29	346.62	349.78	352.03	353.51	354.18
24.00	DISCHG	353.80	351.01	345.21	336.29	325.21	313.34	301.86	291.74	282.92	274.99
26.00	DISCHG	267.64	260.68	253.95	247.31	240.55	233.55	226.26	218.67	210.84	202.88
28.00	DISCHG	194.91	187.08	179.53	172.36	165.66	159.45	153.76	148.57	143.86	139.56
30.00	DISCHG	135.64	132.02	128.66	125.48	122.44	119.49	116.57	113.65	110.70	107.68
32.00	DISCHG	104.58	101.38	98.06	94.62	91.04	87.35	83.53	79.60	75.59	71.50
34.00	DISCHG	67.36	63.20	59.05	54.93	50.88	46.93	43.11	39.42	35.91	32.58
36.00	DISCHG	29.44	26.51	23.79	21.27	18.96	16.85	14.94	13.20	11.64	10.25
38.00	DISCHG	9.00	7.89	6.90	6.03	5.26	4.59	3.99	3.47	3.02	2.62
40.00	DISCHG	2.27	1.97	1.71	1.48	1.28	1.10	0.95	0.82	0.71	0.61
42.00	DISCHG	0.52	0.45	0.38	0.33	0.28	0.24	0.20	0.17	0.15	0.13
44.00	DISCHG	0.11	0.09	0.07	0.06	0.05	0.04	0.03	0.03	0.02	0.02
46.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1343 CFS-HRS= 5908.98 ACRE-FT= 488.32

SUBROUTINE REACH CROSS SECTION 177

```
LENGTH=  18300.00      INPUT COEFFICIENT=  0.5700      INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   2.253       AVERAGE ROUTING COEFF= 0.57CC       NUMBER OF ROUTINGS=  6.43

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.23                         436.925                       (NULL)
   18.76                         362.531                       (NULL)
   25.87                         348.859                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1343        CFS-HRS=     5909.00        ACRE-FT=     488.32


SUBRCUTINE ADDHYD    CROSS SECTION 178
INPUT HYDROGRAPHS= 5,4    OUTPUT HYDROGRAPH= 7

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.23                         436.925                       (NULL)
   18.76                         362.531                       (NULL)
   25.87                         348.910                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1032        CFS-HRS=     5911.55        ACRE-FT=     488.53


SUBROUTINE REACH     CROSS SECTION 179
LENGTH=   7000.00      INPUT COEFFICIENT=  0.7000      INPUT ROUTINGS=  0.0

AVERAGE WATER VELOCITY=   3.967       AVERAGE ROUTING COEFF= 0.7000       NUMBER OF ROUTINGS=  1.72

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.74                         426.626                       (NULL)
   19.24                         360.941                       (NULL)
   26.34                         348.073                       (NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.1032        CFS-HRS=     5911.54        ACRE-FT=     488.53


SUBROUTINE RUNOFF    CROSS SECTION 180
AREA=  16.50    INPUT RUNOFF CURVE=  54.0    TIME OF CONCENTRATION=  2.60

TOTAL WATER, IN INCHES ON DRAINAGE AREA=   0.0            CFS-HRS=        0.0         ACRE-FT=       0.0


SUBRCUTINE ADDHYD    CROSS SECTION 181
INPUT HYDRCGRAPHS= 5,6    OUTPUT HYDROGRAPH= 4

PEAK TIMES                  PEAK DISCHARGES                PEAK ELEVATIONS
   15.74                         426.626                       (NULL)
   19.24                         360.941                       (NULL)
   26.34                         348.073                       (NULL)
```

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 105.30

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.01	0.17	1.00	4.14	12.87
14.00	DISCHG	31.88	65.42	114.88	177.35	245.93	311.66	366.23	404.12	423.53	425.98
16.00	DISCHG	415.16	395.74	372.36	349.01	328.69	313.34	303.91	300.47	302.38	308.52
18.00	DISCHG	317.50	327.82	338.11	347.22	354.34	358.96	360.88	360.13	356.92	351.56
20.00	DISCHG	344.41	335.88	326.39	316.34	306.13	296.14	286.73	278.19	270.78	264.66
22.00	DISCHG	259.94	256.64	254.77	254.30	255.17	257.32	260.66	265.11	270.57	276.93
24.00	DISCHG	284.00	291.58	299.42	307.28	314.90	322.04	328.54	334.26	339.12	343.05
26.00	DISCHG	345.96	347.68	348.00	346.72	343.71	338.99	332.76	325.34	317.15	308.55
28.00	DISCHG	299.88	291.36	283.11	275.17	267.51	260.07	252.75	245.46	238.14	230.74
30.00	DISCHG	223.23	215.65	208.03	200.45	192.97	185.68	178.65	171.95	165.63	159.70
32.00	DISCHG	154.19	149.08	144.36	139.99	135.94	132.16	128.60	125.22	121.97	118.81
34.00	DISCHG	115.69	112.59	109.46	106.29	103.06	99.73	96.32	92.80	89.17	85.45
36.00	DISCHG	81.63	77.73	73.77	69.76	65.72	61.69	57.68	53.71	49.82	46.04
38.00	DISCHG	42.37	38.85	35.48	32.28	29.27	26.44	23.81	21.36	19.11	17.05
40.00	DISCHG	15.16	13.45	11.90	10.51	9.26	8.14	7.15	6.26	5.48	4.79
42.00	DISCHG	4.18	3.64	3.17	2.75	2.39	2.08	1.80	1.56	1.35	1.17
44.00	DISCHG	1.01	0.87	0.75	0.65	0.56	0.48	0.41	0.35	0.30	0.26
46.00	DISCHG	0.22	0.19	0.16	0.13	0.11	0.10	0.08	0.07	0.06	0.05
48.00	DISCHG	0.04	0.03	0.02	0.02	0.01	0.0				

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.0870 CFS-HRS= 5911.54 ACRE-FT= 488.53

SUBROUTINE ADDHYD CROSS SECTION 182
INPUT HYDROGRAPHS= 3,4 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
17.68	1935.995	(NULL)
20.44	1979.303	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 238.09

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14
12.00	DISCHG	0.52	1.44	3.20	5.43	8.24	10.99	14.19	19.31	29.41	50.76
14.00	DISCHG	90.10	152.35	238.11	343.71	463.14	590.33	721.50	856.35	996.93	1145.20
16.00	DISCHG	1299.97	1454.91	1599.62	1723.01	1817.29	1880.33	1915.89	1931.53	1935.64	1935.13
18.00	DISCHG	1934.32	1935.04	1937.50	1941.17	1945.45	1949.95	1954.53	1959.24	1964.14	1969.13
20.00	DISCHG	1973.78	1977.42	1979.25	1978.46	1974.36	1966.40	1954.26	1937.82	1917.19	1892.70
22.00	DISCHG	1864.88	1834.41	1802.10	1768.74	1735.09	1701.78	1669.32	1638.09	1608.27	1579.92

49.6
11.6

24.00	DISCHG	1552.93	1527.21	1502.53	1478.76	1455.76	1433.39	1411.60	1390.28	1369.31	1348.44
26.00	DISCHG	1327.30	1305.47	1282.52	1258.13	1232.13	1204.54	1175.48	1145.12	1113.55	1080.00
28.00	DISCHG	1046.79	1011.50	975.01	937.62	899.85	862.31	825.57	790.06	755.98	723.35
30.00	DISCHG	692.09	662.07	633.15	605.26	578.35	552.39	527.35	503.21	479.94	457.50
32.00	DISCHG	435.85	414.92	394.69	375.12	356.20	337.95	320.36	303.43	287.17	271.59
34.00	DISCHG	256.68	242.44	228.84	215.86	203.47	191.64	180.34	169.53	159.17	149.25
36.00	DISCHG	139.72	130.59	121.82	113.40	105.34	97.62	90.24	83.22	76.54	70.21
38.00	DISCHG	64.24	58.62	53.36	48.45	43.88	39.65	35.75	32.16	28.87	25.87
40.00	DISCHG	23.13	20.66	18.41	16.39	14.58	12.95	11.49	10.18	9.02	7.98
42.00	DISCHG	7.06	6.24	5.52	4.87	4.29	3.78	3.33	2.94	2.59	2.27
44.00	DISCHG	2.00	1.75	1.54	1.35	1.18	1.03	0.90	0.79	0.68	0.60
46.00	DISCHG	0.52	0.45	0.39	0.34	0.30	0.26	0.22	0.19	0.16	0.14
48.00	DISCHG	0.11	0.09	0.08	0.06	0.05	0.03	0.02	0.01	0.0	

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1663 CFS-HRS= 25550.10 ACRE-FT= 2111.46

SUBROUTINE REACH CROSS SECTION 183
LENGTH= 12000.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 2.45

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
21.05	1977.826	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1663 CFS-HRS= 25550.08 ACRE-FT= 2111.46

SUBROUTINE RESVOR STRUCTURE 2
SURFACE ELEVATION= 50.00

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
21.05	1977.826	(NULL)

TIME HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 238.09

0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.00	DISCHG	0.0	0.04	0.21	0.65	1.60	3.15	5.27	7.79	10.59	14.16
14.00	DISCHG	20.03	31.49	53.71	92.30	151.34	231.74	331.08	444.76	567.85	697.02
16.00	DISCHG	831.29	971.48	1118.24	1269.81	1420.65	1562.18	1685.16	1782.68	1852.17	1895.86
18.00	DISCHG	1919.39	1929.73	1933.19	1934.26	1935.45	1937.66	1940.90	1944.83	1949.14	1953.67
20.00	DISCHG	1958.36	1963.20	1968.03	1972.48	1975.97	1977.76	1977.11	1973.36	1965.95	1954.54
22.00	DISCHG	1938.96	1919.29	1895.80	1868.97	1839.43	1807.91	1775.18	1741.96	1708.89	1676.50
24.00	DISCHG	1645.18	1615.15	1586.50	1559.19	1533.13	1508.15	1484.12	1460.88	1438.33	1416.37
26.00	DISCHG	1394.90	1373.76	1352.71	1331.43	1309.52	1286.60	1262.37	1236.65	1209.41	1180.72
28.00	DISCHG	1150.69	1119.40	1086.89	1053.12	1018.11	981.96	944.96	907.55	870.26	833.62

30.00	DISCHG	798.03	763.74	730.81	699.23	668.89	639.69	611.55	584.41	558.24	533.00
32.00	DISCHG	508.66	485.19	462.56	440.72	419.62	399.22	379.50	360.45	342.06	324.34
34.00	DISCHG	307.27	290.88	275.16	260.11	245.72	231.98	218.86	206.33	194.37	182.94
36.00	DISCHG	172.01	161.55	151.52	141.90	132.67	123.82	115.33	107.19	99.39	91.95
38.00	DISCHG	84.85	78.10	71.70	65.66	59.97	54.63	49.65	45.01	40.70	36.73
40.00	DISCHG	33.07	29.71	26.64	23.84	21.30	19.00	16.92	15.06	13.38	11.88
42.00	DISCHG	10.53	9.33	8.26	7.31	6.47	5.71	5.04	4.45	3.92	3.46
44.00	DISCHG	3.05	2.68	2.36	2.07	1.82	1.60	1.40	1.23	1.07	0.94
46.00	DISCHG	0.82	0.71	0.62	0.54	0.47	0.41	0.36	0.31	0.27	0.23
48.00	DISCHG	0.20	0.17	0.14	0.12	0.10	0.08	0.06	0.05	0.03	0.02
50.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1663 CFS-HRS= 25550.08 ACRE-FT= 2111.46

SUBROUTINE RUNOFF CROSS SECTION 184
AREA= 13.80 INPUT RUNOFF CURVE= 82.0 TIME OF CONCENTRATION= 3.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
14.21	707.342	(RUNOFF)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 13.80

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	1.00	5.99	10.98	32.68
12.00	DISCHG	68.44	104.20	175.98	252.40	332.86	426.90	520.95	590.87	642.68	694.50
14.00	DISCHG	702.96	707.34	703.39	675.33	647.27	609.96	566.49	523.02	489.19	455.95
16.00	DISCHG	425.00	399.76	374.52	352.29	331.84	311.39	295.42	279.58	264.84	252.51
18.00	DISCHG	240.18	229.65	220.05	210.46	202.64	194.81	187.44	180.95	174.47	168.85
20.00	DISCHG	163.62	158.43	154.21	149.99	146.00	142.39	138.77	135.45	132.23	129.05
22.00	DISCHG	126.28	123.52	121.01	118.89	116.77	114.82	112.92	111.04	109.26	107.48
24.00	DISCHG	105.46	103.14	100.81	97.18	93.17	88.90	82.70	76.49	69.93	62.97
26.00	DISCHG	56.00	49.54	43.21	37.09	32.21	27.34	23.29	20.12	16.94	14.68
28.00	DISCHG	12.61	10.66	9.27	7.87	6.72	5.79	4.86	4.20	3.58	3.01
30.00	DISCHG	2.60	2.20	1.87	1.60	1.33	1.14	0.96	0.79	0.67	0.55
32.00	DISCHG	0.45	0.37	0.29	0.24	0.19	0.14	0.10	0.07	0.04	0.03
34.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.4297 CFS-HRS= 3826.90 ACRE-FT= 316.25

SUBROUTINE ADDHYD CROSS SECTION 185
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
18.10	2160.903	(NULL)
20.56	2122.493	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 251.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	1.00	5.99	10.98	32.68
12.00	DISCHG	68.44	104.24	176.18	253.05	334.45	430.05	526.22	598.65	653.27	708.66
14.00	DISCHG	722.98	738.83	757.10	767.63	798.61	841.70	897.57	967.77	1057.05	1152.97
16.00	DISCHG	1256.29	1371.24	1492.77	1622.10	1752.49	1873.57	1980.58	2062.26	2117.01	2148.37
18.00	DISCHG	2159.57	2159.38	2153.24	2144.72	2138.08	2132.47	2128.34	2125.79	2123.61	2122.51
20.00	DISCHG	2121.98	2121.63	2122.25	2122.48	2121.97	2120.14	2115.89	2108.81	2098.19	2083.58
22.00	DISCHG	2065.24	2042.81	2016.81	1987.86	1956.20	1922.73	1888.10	1852.99	1818.15	1783.98
24.00	DISCHG	1750.64	1718.29	1687.31	1656.38	1626.30	1597.05	1566.81	1537.37	1508.27	1479.34
26.00	DISCHG	1450.89	1423.30	1395.92	1368.51	1341.73	1313.94	1285.66	1256.77	1226.35	1195.40
28.00	DISCHG	1163.30	1130.06	1096.15	1060.99	1024.83	987.75	949.82	911.75	873.85	836.63
30.00	DISCHG	800.64	765.94	732.68	700.83	670.22	640.83	612.50	585.20	558.91	533.55
32.00	DISCHG	509.11	485.56	462.85	440.96	419.81	399.36	379.61	360.52	342.11	324.36
34.00	DISCHG	307.28	290.88	275.16	260.11	245.72	231.98	218.86	206.33	194.37	182.94
36.00	DISCHG	172.01	161.55	151.52	141.90	132.67	123.82	115.33	107.19	99.39	91.95
38.00	DISCHG	84.85	78.10	71.70	65.66	59.97	54.63	49.65	45.01	40.70	36.73
40.00	DISCHG	33.07	29.71	26.64	23.84	21.30	19.00	16.92	15.06	13.38	11.88
42.00	DISCHG	10.53	9.33	8.26	7.31	6.47	5.71	5.04	4.45	3.92	3.46
44.00	DISCHG	3.05	2.68	2.36	2.07	1.82	1.60	1.40	1.23	1.07	0.94
46.00	DISCHG	0.82	0.71	0.62	0.54	0.47	0.41	0.36	0.31	0.27	0.23
48.00	DISCHG	0.20	0.17	0.14	0.12	0.10	0.08	0.06	0.05	0.03	0.02
50.00	DISCHG	0.01	0.0								

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1807 CFS-HRS= 29376.48 ACRE-FT= 2427.67

SUBROUTINE REACH CROSS SECTION 186
LENGTH= 22400.00 INPUT COEFFICIENT= 0.7500 INPUT ROUTINGS= 0.0

AVERAGE WATER VELOCITY= 5.100 AVERAGE ROUTING COEFF= 0.7500 NUMBER OF ROUTINGS= 4.58

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
19.47	2149.924	(NULL)

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1807 CFS-HRS= 29376.52 ACRE-FT= 2427.68

SUBROUTINE RUNOFF CROSS SECTION 187
AREA= 5.00 INPUT RUNOFF CURVE= 81.0 TIME OF CONCENTRATION= 1.10

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.65	478.812	(RUNOFF)
21.80	38.127	(RUNOFF)
23.78	32.933	(RUNOFF)

50.2
11.0

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.3950 CFS-HRS= 1274.57 ACRE-FT= 105.33

SUBROUTINE ADDHYD CROSS SECTION 190
INPUT HYDROGRAPHS= 5,6 OUTPUT HYDROGRAPH= 7

PEAK TIMES	PEAK DISCHARGES	PEAK ELEVATIONS
12.68	491.148	(NULL)
19.46	2195.658	(NULL)
21.51	2160.198	(NULL)

HYDROGRAPH, TZERO= 0.0 DELTA T= 0.20 DRAINAGE AREA= 256.89

TIME											
0.0	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.00	DISCHG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.24	38.79
12.00	DISCHG	133.54	282.59	420.23	484.00	478.12	435.64	397.70	392.25	410.72	450.18
14.00	DISCHG	507.07	573.52	639.41	698.83	748.30	783.32	806.95	823.62	838.05	857.24
16.00	DISCHG	885.41	925.17	978.70	1046.76	1127.79	1220.07	1322.56	1434.02	1552.78	1675.33
18.00	DISCHG	1796.20	1908.73	2005.91	2082.72	2137.55	2171.81	2189.44	2195.30	2193.98	2189.13
20.00	DISCHG	2182.98	2177.00	2172.01	2168.11	2165.11	2162.69	2160.93	2160.18	2160.19	2160.07
22.00	DISCHG	2158.77	2155.55	2150.04	2141.75	2130.09	2114.53	2095.20	2072.72	2047.46	2019.30
24.00	DISCHG	1988.15	1953.76	1916.08	1876.09	1835.77	1796.78	1759.99	1725.37	1692.33	1660.54
26.00	DISCHG	1629.64	1599.23	1569.21	1539.56	1510.28	1481.42	1453.08	1425.17	1397.60	1370.24
28.00	DISCHG	1342.75	1314.90	1286.46	1257.20	1227.06	1195.97	1163.90	1130.86	1096.82	1061.76
30.00	DISCHG	1025.72	988.84	951.40	913.75	876.34	839.57	803.78	769.19	735.90	703.90
32.00	DISCHG	673.16	643.60	615.15	587.74	561.34	535.90	511.37	487.74	464.94	442.95
34.00	DISCHG	421.71	401.20	381.39	362.26	343.80	326.02	308.91	292.47	276.71	261.62
36.00	DISCHG	247.18	233.38	220.20	207.61	195.59	184.10	173.11	162.58	152.50	142.84
38.00	DISCHG	133.57	124.68	116.16	107.99	100.18	92.71	85.60	78.83	72.42	66.36
40.00	DISCHG	60.65	55.29	50.28	45.62	41.29	37.28	33.59	30.20	27.10	24.27
42.00	DISCHG	21.70	19.37	17.27	15.37	13.66	12.13	10.77	9.54	8.45	7.48
44.00	DISCHG	6.62	5.85	5.17	4.56	4.02	3.54	3.12	2.75	2.42	2.13
46.00	DISCHG	1.87	1.64	1.44	1.26	1.10	0.96	0.84	0.73	0.64	0.56
48.00	DISCHG	0.48	0.42	0.37	0.32	0.27	0.24	0.20	0.17	0.15	0.12
50.00	DISCHG	0.10	0.08	0.07	0.05	0.04	0.02	0.01	0.0		

TOTAL WATER, IN INCHES ON DRAINAGE AREA= 0.1849 CFS-HRS= 30651.06 ACRE-FT= 2533.00

ENDCMP

5 1.4
1 1.4
40.0

SUMMARY TABLE 1

ALT	STORM	ID	DA SQ-MI.	RAIN TBLE	AMC	DELTA-T HRS.	TZERO HRS.	PRECIP IN.	PRECIP DURATION	PEAK-Q CFS	PEAK-TIME	PEAK-ELEV	RUNOFF IN.	CSM
3	1	1	3.00	1	2	0.20	0.0	3.60	24.00	1157.52	12.39	0.0	1.19	385.84
3	1	2	3.00	1	2	0.20	0.0	3.60	24.00	1052.46	12.77	0.0	1.18	350.82
3	1	3	2.58	1	2	0.20	0.0	3.60	24.00	986.24	12.49	0.0	1.30	382.26
3	1	4	5.58	1	2	0.20	0.0	3.60	24.00	1963.07	12.66	0.0	1.24	351.80
3	1	5	5.58	1	2	0.20	0.0	3.60	24.00	1887.91	12.81	0.0	1.24	338.33
3	1	6	1.58	1	2	0.20	0.0	3.40	24.00	567.49	12.49	0.0	1.23	359.17
3	1	7	7.16	1	2	0.20	0.0	3.40	24.00	2367.54	12.75	0.0	1.24	330.66
3	1	7	7.16	1	2	0.20	0.0	3.40	24.00	2288.65	13.02	0.0	1.24	319.64
3	1	8	1.42	1	2	0.20	0.0	3.40	24.00	600.07	12.33	0.0	1.23	422.58
3	1	9	1.42	1	2	0.20	0.0	3.40	24.00	471.37	13.07	0.0	1.23	331.95
3	1	10	1.32	1	2	0.20	0.0	3.40	24.00	445.60	12.45	0.0	1.11	337.57
3	1	10	2.74	1	2	0.20	0.0	3.40	24.00	748.47	12.86	0.0	1.17	273.17
3	1	11	9.90	1	2	0.20	0.0	3.40	24.00	3015.49	13.00	0.0	1.22	304.60
3	1	12	9.90	1	2	0.20	0.0	3.40	24.00	2940.91	13.16	0.0	1.22	297.06
3	1	13	1.33	1	2	0.20	0.0	3.40	24.00	563.76	12.29	0.0	1.17	423.88
3	1	14	1.33	1	2	0.20	0.0	3.40	24.00	387.18	13.49	0.0	1.17	291.11
3	1	15	0.85	1	2	0.20	0.0	3.40	24.00	231.17	12.68	0.0	1.11	271.96
3	1	15	2.18	1	2	0.20	0.0	3.40	24.00	521.43	13.39	0.0	1.15	239.19
3	1	16	12.08	1	2	0.20	0.0	3.40	24.00	3437.08	13.19	0.0	1.21	284.53
3	1	17	12.08	1	2	0.20	0.0	3.40	24.00	3354.28	13.37	0.0	1.21	277.67
3	1	18	0.63	1	2	0.20	0.0	3.40	24.00	273.17	12.24	0.0	1.11	433.60
3	1	19	0.63	1	2	0.20	0.0	3.40	24.00	158.89	13.89	0.0	1.11	252.21
3	1	20	0.63	1	2	0.20	0.0	3.40	24.00	146.61	12.92	0.0	1.11	232.71
3	1	20	1.26	1	2	0.20	0.0	3.40	24.00	246.30	13.70	0.0	1.11	195.48
3	1	21	1.13	1	2	0.20	0.0	3.40	24.00	563.18	12.16	0.0	1.11	498.39
3	1	22	1.13	1	2	0.20	0.0	3.40	24.00	314.42	13.71	0.0	1.11	278.25
3	1	23	0.81	1	2	0.20	0.0	3.40	24.00	161.61	13.13	0.0	1.11	199.52
3	1	23	1.94	1	2	0.20	0.0	3.40	24.00	456.24	13.64	0.0	1.11	235.17
3	1	24	3.20	1	2	0.20	0.0	3.40	24.00	702.74	13.65	0.0	1.11	219.61
3	1	25	15.28	1	2	0.20	0.0	3.40	24.00	4005.64	13.42	0.0	1.19	262.15
3	1	26	1.20	1	2	0.20	0.0	3.40	24.00	507.10	12.33	0.0	1.23	422.58
3	1	27	1.27	1	2	0.20	0.0	3.40	24.00	593.04	12.27	0.0	1.23	466.96
3	1	27	2.47	1	2	0.20	0.0	3.40	24.00	1102.44	12.29	0.0	1.23	446.33
3	1	28	2.47	1	2	0.20	0.0	3.40	24.00	686.90	13.81	0.0	1.23	278.10
3	1	29	1.56	1	2	0.20	0.0	3.40	24.00	352.64	12.97	0.0	1.11	226.05
3	1	29	4.03	1	2	0.20	0.0	3.40	24.00	922.65	13.69	0.0	1.18	228.95
3	1	30	1.48	1	2	0.20	0.0	3.40	24.00	725.79	12.24	0.0	1.23	490.40
3	1	31	1.48	1	2	0.20	0.0	3.40	24.00	479.86	13.17	0.0	1.23	324.23
3	1	31	5.51	1	2	0.20	0.0	3.40	24.00	1301.72	13.50	0.0	1.20	236.25
3	1	32	5.51	1	2	0.20	0.0	3.40	24.00	1148.61	15.06	0.0	1.20	208.46
3	1	33	3.12	1	2	0.20	0.0	3.40	24.00	582.60	13.35	0.0	1.11	186.73
3	1	33	8.63	1	2	0.20	0.0	3.40	24.00	1418.61	14.96	0.0	1.16	164.38
3	1	34	23.91	1	2	0.20	0.0	3.40	24.00	4712.15	13.45	0.0	1.18	197.08
3	1	35	23.91	1	2	0.20	0.0	3.40	24.00	4598.47	13.77	0.0	1.18	192.32
3	1	36	0.96	1	2	0.20	0.0	3.40	24.00	266.61	12.61	0.0	1.05	277.72
3	1	37	24.87	1	2	0.20	0.0	3.40	24.00	4696.80	13.76	0.0	1.17	188.85

3	1	38	0.67	1	2	0.20	0.0	3.20	24.00	264.72	12.29	0.0	1.09	395.10
3	1	39	1.57	1	2	0.20	0.0	3.20	24.00	492.90	12.45	0.0	1.04	313.95
3	1	40	1.57	1	2	0.20	0.0	3.20	24.00	278.53	15.43	0.0	1.04	177.41
3	1	41	1.28	1	2	0.20	0.0	3.20	24.00	176.75	13.86	0.0	1.04	138.08
3	1	41	2.85	1	2	0.20	0.0	3.20	24.00	391.31	15.28	0.0	1.04	137.30
3	1	42	1.06	1	2	0.20	0.0	3.20	24.00	355.46	12.45	0.0	1.09	335.34
3	1	43	1.06	1	2	0.20	0.0	3.20	24.00	208.46	15.14	0.0	1.09	196.66
3	1	44	1.63	1	2	0.20	0.0	3.20	24.00	242.60	13.73	0.0	1.04	148.83
3	1	44	2.69	1	2	0.20	0.0	3.20	24.00	360.88	14.88	0.0	1.06	134.16
3	1	45	5.54	1	2	0.20	0.0	3.20	24.00	741.49	15.09	0.0	1.05	133.84
3	1	46	5.54	1	2	0.20	0.0	3.20	24.00	709.95	15.81	0.0	1.05	128.15
3	1	47	1.63	1	2	0.20	0.0	3.20	24.00	209.65	13.60	0.0	0.88	128.62
3	1	47	7.17	1	2	0.20	0.0	3.20	24.00	800.84	15.73	0.0	1.01	111.69
3	1	48	7.17	1	2	0.20	0.0	3.20	24.00	754.45	17.10	0.0	1.01	105.22
3	1	49	1.04	1	2	0.20	0.0	3.20	24.00	15.18	14.11	0.0	0.17	14.59
3	1	50	8.21	1	2	0.20	0.0	3.20	24.00	764.46	17.09	0.0	0.90	93.11
3	1	51	33.08	1	2	0.20	0.0	3.20	24.00	4837.02	13.79	0.0	1.11	146.22
3	1	52	33.08	1	2	0.20	0.0	3.20	24.00	4772.87	14.02	0.0	1.11	144.28
3	1	53	2.69	1	2	0.20	0.0	3.20	24.00	204.85	14.25	0.0	0.69	76.15
3	1	54	2.69	1	2	0.20	0.0	3.20	24.00	188.50	15.88	0.0	0.69	70.08
3	1	55	0.97	1	2	0.20	0.0	3.20	24.00	11.96	14.13	0.0	0.15	12.33
3	1	55	3.66	1	2	0.20	0.0	3.20	24.00	198.22	15.86	0.0	0.54	54.16
3	1	56	36.74	1	2	0.20	0.0	3.20	24.00	4853.12	14.03	0.0	1.05	132.09
3	1	57	36.74	1	2	0.20	0.0	3.20	24.00	4783.11	14.31	0.0	1.05	130.19
3	1	58	1.05	1	2	0.20	0.0	3.20	24.00	414.86	12.29	0.0	1.09	395.10
3	1	59	1.05	1	2	0.20	0.0	3.20	24.00	277.99	13.30	0.0	1.09	264.75
3	1	60	1.71	1	2	0.20	0.0	3.20	24.00	783.51	12.24	0.0	1.15	458.19
3	1	61	1.71	1	2	0.20	0.0	3.20	24.00	557.54	12.88	0.0	1.15	326.04
3	1	61	2.76	1	2	0.20	0.0	3.20	24.00	776.89	13.03	0.0	1.13	281.48
3	1	62	2.76	1	2	0.20	0.0	3.20	24.00	628.81	13.97	0.0	1.13	227.83
3	1	63	3.60	1	2	0.20	0.0	3.20	24.00	672.19	13.43	0.0	1.15	186.72
3	1	63	6.36	1	2	0.20	0.0	3.20	24.00	1249.04	13.81	0.0	1.14	196.39
3	1	64	0.67	1	2	0.20	0.0	3.20	24.00	173.15	13.44	0.0	1.09	258.43
3	1	65	7.03	1	2	0.20	0.0	3.20	24.00	1401.11	13.76	0.0	1.14	199.30
3	1	66	7.03	1	2	0.20	0.0	3.20	24.00	963.53	18.91	0.0	1.14	137.06
3	1	67	6.47	1	2	0.20	0.0	3.20	24.00	452.64	16.62	0.0	0.93	69.96
3	1	67	13.50	1	2	0.20	0.0	3.20	24.00	1294.02	18.75	0.0	1.04	95.85
3	1	68	50.24	1	2	0.20	0.0	3.20	24.00	5077.55	14.35	0.0	1.05	101.07
3	1	69	50.24	1	2	0.20	0.0	3.20	24.00	4990.93	14.77	0.0	1.05	99.34
3	1	70	0.95	1	2	0.20	0.0	3.20	24.00	166.53	13.44	0.0	1.09	175.30
3	1	71	2.55	1	2	0.20	0.0	3.20	24.00	341.68	14.08	0.0	1.09	133.99
3	1	72	2.55	1	2	0.20	0.0	3.20	24.00	284.17	18.16	0.0	1.09	111.44
3	1	73	1.32	1	2	0.20	0.0	3.20	24.00	157.48	14.47	0.0	1.09	119.30
3	1	73	3.87	1	2	0.20	0.0	3.20	24.00	348.74	17.97	0.0	1.09	90.11
3	1	74	4.82	1	2	0.20	0.0	3.20	24.00	380.73	17.90	0.0	1.09	78.99
3	1	75	55.06	1	2	0.20	0.0	3.20	24.00	5256.20	14.76	0.0	1.05	95.46
3	1	76	0.50	1	2	0.20	0.0	3.05	24.00	85.36	13.24	0.0	0.99	170.71
3	1	77	55.56	1	2	0.20	0.0	3.05	24.00	5297.55	14.76	0.0	1.05	95.35
3	1	78	55.56	1	2	0.20	0.0	3.05	24.00	5255.16	15.00	0.0	1.05	94.59
3	1	79	2.31	1	2	0.20	0.0	3.05	24.00	241.85	14.78	0.0	0.99	104.70

3	1	80	1.11	1	2	0.20	0.0	3.05	24.00	179.67	13.29	0.0	0.99	161.86
3	1	80	3.42	1	2	0.20	0.0	3.05	24.00	370.19	14.07	0.0	0.99	108.24
3	1	81	3.42	1	2	0.20	0.0	3.05	24.00	342.65	16.00	0.0	0.99	100.19
3	1	82	1.06	1	2	0.20	0.0	3.05	24.00	180.96	13.24	0.0	0.99	170.71
3	1	82	4.48	1	2	0.20	0.0	3.05	24.00	395.23	15.80	0.0	0.99	88.22
3	1	83	2.54	1	2	0.20	0.0	3.05	24.00	288.78	14.36	0.0	0.99	113.69
3	1	84	7.02	1	2	0.20	0.0	3.05	24.00	624.29	15.10	0.0	0.99	88.93
3	1	85	7.02	1	2	0.20	0.0	3.05	24.00	593.92	17.23	0.0	0.99	84.60
3	1	86	0.57	1	2	0.20	0.0	3.05	24.00	97.31	13.24	0.0	0.99	170.71
3	1	86	7.59	1	2	0.20	0.0	3.05	24.00	612.92	17.19	0.0	0.99	80.75
3	1	87	1.28	1	2	0.20	0.0	3.05	24.00	218.51	13.24	0.0	0.99	170.71
3	1	88	2.12	1	2	0.20	0.0	3.05	24.00	237.77	14.28	0.0	0.99	112.16
3	1	88	3.40	1	2	0.20	0.0	3.05	24.00	403.09	13.63	0.0	0.99	118.56
3	1	89	3.40	1	2	0.20	0.0	3.05	24.00	361.82	15.72	0.0	0.99	106.42
3	1	90	1.66	1	2	0.20	0.0	3.05	24.00	309.73	13.07	0.0	0.99	186.58
3	1	90	5.06	1	2	0.20	0.0	3.05	24.00	447.70	15.44	0.0	0.99	88.48
3	1	91	12.65	1	2	0.20	0.0	3.05	24.00	984.12	16.44	0.0	0.99	77.80
3	1	92	12.65	1	2	0.20	0.0	3.05	24.00	961.69	17.84	0.0	0.99	76.02
3	1	93	0.64	1	2	0.20	0.0	3.05	24.00	135.49	12.87	0.0	0.99	211.71
3	1	93	13.29	1	2	0.20	0.0	3.05	24.00	978.79	17.83	0.0	0.99	73.65
3	1	94	1.71	1	2	0.20	0.0	3.05	24.00	203.41	14.19	0.0	0.99	118.96
3	1	95	15.00	1	2	0.20	0.0	3.05	24.00	1051.53	17.69	0.0	0.99	70.10
3	1	96	15.00	1	2	0.20	0.0	3.05	24.00	1038.44	18.59	0.0	0.99	69.23
3	1	97	0.52	1	2	0.20	0.0	3.05	24.00	156.53	12.45	0.0	0.99	301.03
3	1	98	15.52	1	2	0.20	0.0	3.05	24.00	1049.72	18.57	0.0	0.99	67.64
3	1	100	71.08	1	2	0.20	0.0	3.05	24.00	5861.16	15.04	0.0	1.04	82.46
3	1	-1	71.08	1	2	0.20	0.0	3.05	24.00	5861.16	15.04	0.0	1.04	82.46
3	1	101	1.00	1	2	0.20	0.0	3.05	24.00	161.86	13.29	0.0	0.99	161.86
3	1	102	1.00	1	2	0.20	0.0	3.05	24.00	157.80	14.00	0.0	0.99	157.80
3	1	103	2.97	1	2	0.20	0.0	3.05	24.00	192.64	14.93	0.0	0.65	64.86
3	1	104	9.48	1	2	0.20	0.0	3.05	24.00	721.71	15.74	0.0	0.94	76.13
3	1	104	12.45	1	2	0.20	0.0	3.05	24.00	896.23	15.59	0.0	0.87	71.99
3	1	105	12.45	1	2	0.20	0.0	3.05	24.00	886.03	15.97	0.0	0.87	71.17
3	1	106	0.99	1	2	0.20	0.0	3.05	24.00	144.32	13.58	0.0	0.99	145.78
3	1	107	13.44	1	2	0.20	0.0	3.05	24.00	944.51	15.85	0.0	0.88	70.28
3	1	108	13.44	1	2	0.20	0.0	3.05	24.00	936.00	16.34	0.0	0.88	69.64
3	1	109	3.70	1	2	0.20	0.0	3.05	24.00	352.49	15.02	0.0	0.99	95.27
3	1	109	17.14	1	2	0.20	0.0	3.05	24.00	1239.30	15.89	0.0	0.90	72.30
3	1	110	17.14	1	2	0.20	0.0	3.05	24.00	1170.51	19.01	0.0	0.90	68.29
3	1	111	2.90	1	2	0.20	0.0	3.05	24.00	218.44	14.10	0.0	0.65	75.32
3	1	112	20.04	1	2	0.20	0.0	3.05	24.00	1235.17	18.94	0.0	0.87	61.64
3	1	113	1.25	1	2	0.20	0.0	3.05	24.00	152.73	14.16	0.0	0.99	122.18
3	1	114	2.05	1	2	0.20	0.0	3.05	24.00	176.56	15.40	0.0	0.99	86.13
3	1	114	3.30	1	2	0.20	0.0	3.05	24.00	311.33	14.60	0.0	0.99	94.34
3	1	115	3.30	1	2	0.20	0.0	3.05	24.00	304.08	15.06	0.0	0.99	92.15
3	1	116	3.20	1	2	0.20	0.0	3.05	24.00	259.93	15.73	0.0	0.99	81.23
3	1	116	6.50	1	2	0.20	0.0	3.05	24.00	555.25	15.27	0.0	0.99	85.42
3	1	117	6.50	1	2	0.20	0.0	3.05	24.00	550.36	15.82	0.0	0.99	84.67
3	1	118	26.54	1	2	0.20	0.0	3.05	24.00	1577.15	18.49	0.0	0.90	59.43
3	1	120	0.58	1	2	0.20	0.0	3.05	24.00	135.46	12.74	0.0	0.99	233.55

3	1	120	27.12	1	2	0.20	0.0	3.05	24.00	1590.76	18.47	0.0	0.90	58.66
3	1	121	27.12	1	2	0.20	0.0	3.05	24.00	1574.28	19.35	0.0	0.90	58.05
3	1	122	0.41	1	2	0.20	0.0	3.05	24.00	123.42	12.45	0.0	0.99	301.02
3	1	123	27.53	1	2	0.20	0.0	3.05	24.00	1582.55	19.35	0.0	0.90	57.48
3	1	124	27.53	1	2	0.20	0.0	3.05	24.00	1574.73	19.79	0.0	0.90	57.20
3	1	125	0.54	1	2	0.20	0.0	3.05	24.00	236.83	12.17	0.0	0.99	438.57
3	1	125	28.07	1	2	0.20	0.0	3.05	24.00	1585.05	19.77	0.0	0.90	56.47
3	1	126	28.07	1	2	0.20	0.0	3.05	24.00	1579.11	20.11	0.0	0.90	56.26
3	1	127	29.07	1	2	0.20	0.0	3.05	24.00	1602.05	20.09	0.0	0.91	55.11
3	1	128	29.07	1	2	0.20	0.0	3.05	24.00	1600.29	20.43	0.0	0.91	55.05
3	1	129	100.15	1	2	0.20	0.0	3.05	24.00	6436.33	15.08	0.0	1.00	64.27
3	1	130	100.15	1	2	0.20	0.0	3.05	24.00	6343.21	15.72	0.0	1.00	63.34
3	1	131	1.56	1	2	0.20	0.0	2.90	24.00	106.00	13.96	0.0	0.57	67.95
3	1	132	1.56	1	2	0.20	0.0	2.90	24.00	82.35	19.41	0.0	0.57	52.79
3	1	133	6.11	1	2	0.20	0.0	2.90	24.00	24.59	20.17	0.0	0.07	4.03
3	1	134	7.67	1	2	0.20	0.0	2.90	24.00	106.74	19.43	0.0	0.18	13.92
3	1	135	7.67	1	2	0.20	0.0	2.90	24.00	99.69	22.70	0.0	0.18	13.00
3	1	136	3.60	1	2	0.20	0.0	2.90	24.00	30.58	15.77	0.0	0.13	8.49
3	1	136	11.27	1	2	0.20	0.0	2.90	24.00	117.95	22.63	0.0	0.16	10.47
3	1	137	4.68	1	2	0.20	0.0	2.90	24.00	33.00	18.24	0.0	0.13	7.05
3	1	138	4.68	1	2	0.20	0.0	2.90	24.00	32.39	20.77	0.0	0.13	6.92
3	1	139	0.72	1	2	0.20	0.0	2.90	24.00	10.24	14.42	0.0	0.17	14.23
3	1	139	5.40	1	2	0.20	0.0	2.90	24.00	37.16	20.54	0.0	0.13	6.88
3	1	140	16.67	1	2	0.20	0.0	2.90	24.00	152.82	22.53	0.0	0.15	9.17
3	1	141	16.67	1	2	0.20	0.0	2.90	24.00	152.08	22.91	0.0	0.15	9.12
3	1	142	5.25	1	2	0.20	0.0	2.90	24.00	556.77	14.20	0.0	0.89	106.05
3	1	143	21.92	1	2	0.20	0.0	2.90	24.00	584.03	14.24	0.0	0.33	26.64
3	1	144	21.92	1	2	0.20	0.0	2.90	24.00	572.00	14.63	0.0	0.33	26.09
3	1	145	122.07	1	2	0.20	0.0	2.90	24.00	6845.70	15.67	0.0	0.88	56.08
3	1	146	122.07	1	2	0.20	0.0	2.90	24.00	6771.38	16.07	0.0	0.88	55.47
3	1	147	3.07	1	2	0.20	0.0	2.90	24.00	12.67	19.60	0.0	0.07	4.13
3	1	148	0.69	1	2	0.20	0.0	2.90	24.00	3.41	15.69	0.0	0.07	4.94
3	1	148	3.76	1	2	0.20	0.0	2.90	24.00	15.47	18.86	0.0	0.07	4.11
3	1	149	3.76	1	2	0.20	0.0	2.90	24.00	15.15	24.85	0.0	0.07	4.03
3	1	150	5.93	1	2	0.20	0.0	2.90	24.00	29.06	19.24	0.0	0.09	4.90
3	1	151	9.69	1	2	0.20	0.0	2.90	24.00	40.04	23.10	0.0	0.08	4.13
3	1	152	131.76	1	2	0.20	0.0	2.90	24.00	6790.80	16.08	0.0	0.82	51.54
3	1	153	131.76	1	2	0.20	0.0	2.90	24.00	6675.79	17.25	0.0	0.82	50.67
3	1	154	1.03	1	2	0.20	0.0	2.90	24.00	99.01	13.17	0.0	0.57	96.12
3	1	155	132.79	1	2	0.20	0.0	2.90	24.00	6697.21	17.25	0.0	0.82	50.43
3	1	156	15.90	1	2	0.20	0.0	2.90	24.00	153.80	16.13	0.0	0.15	9.67
3	1	157	15.90	1	2	0.20	0.0	2.90	24.00	151.28	19.39	0.0	0.15	9.51
3	1	158	4.70	1	2	0.20	0.0	2.90	24.00	39.92	15.77	0.0	0.13	8.49
3	1	158	20.60	1	2	0.20	0.0	2.90	24.00	181.85	19.25	0.0	0.14	8.83
3	1	159	7.90	1	2	0.20	0.0	2.85	24.00	128.50	16.12	0.0	0.23	16.27
3	1	160	9.00	1	2	0.20	0.0	2.85	24.00	916.67	13.80	0.0	0.77	101.85
3	1	161	16.90	1	2	0.20	0.0	2.85	24.00	986.86	13.88	0.0	0.51	58.39
3	1	162	16.90	1	2	0.20	0.0	2.85	24.00	890.15	15.58	0.0	0.51	52.67
3	1	163	16.60	1	2	0.20	0.0	2.85	24.00	675.31	14.99	0.0	0.44	40.68
3	1	164	33.50	1	2	0.20	0.0	2.85	24.00	1531.39	15.43	0.0	0.48	45.71

	1	165	33.50	1	2	0.20	0.0	2.85	24.00	1473.31	16.37	0.0	0.48	43.98
3	1	166	6.00	1	2	0.20	0.0	2.85	24.00	379.32	13.77	0.0	0.51	63.22
3	1	167	39.50	1	2	0.20	0.0	2.85	24.00	1645.34	16.27	0.0	0.48	41.65
3	1	168	39.50	1	2	0.20	0.0	2.85	24.00	1484.06	20.23	0.0	0.48	37.57
3	1	169	3.90	1	2	0.20	0.0	2.85	24.00	15.10	18.62	0.0	0.07	3.87
3	1	169	43.40	1	2	0.20	0.0	2.85	24.00	1498.70	20.23	0.0	0.44	34.53
3	1	170	13.90	1	2	0.20	0.0	2.85	24.00	1750.08	13.31	0.0	0.77	125.90
3	1	171	57.30	1	2	0.20	0.0	2.85	24.00	1751.09	13.31	0.0	0.52	30.56
3	1	172	57.30	1	2	0.20	0.0	2.85	24.00	1656.15	23.13	0.0	0.52	28.90
3	1	173	8.30	1	2	0.20	0.0	2.85	24.00	2085.47	12.78	0.0	1.08	251.26
3	1	174	65.60	1	2	0.20	0.0	2.85	24.00	2085.51	12.78	0.0	0.59	31.79
3	1	175	2.60	1	2	0.20	0.0	2.80	24.00	17.92	16.03	0.0	0.11	6.89
3	1	176	68.20	1	2	0.20	0.0	2.80	24.00	2087.43	12.78	0.0	0.57	30.61
3	1	177	68.20	1	2	0.20	0.0	2.80	24.00	1762.26	25.34	0.0	0.57	25.84
3	1	178	88.80	1	2	0.20	0.0	2.80	24.00	1875.14	25.27	0.0	0.47	21.12
3	1	179	88.80	1	2	0.20	0.0	2.80	24.00	1870.65	25.76	0.0	0.47	21.07
3	1	180	16.50	1	2	0.20	0.0	2.80	24.00	147.28	15.12	0.0	0.12	8.93
3	1	181	105.30	1	2	0.20	0.0	2.80	24.00	1910.99	25.60	0.0	0.42	18.15
3	1	182	238.09	1	2	0.20	0.0	2.80	24.00	8038.25	17.41	0.0	0.64	33.76
3	1	183	238.09	1	2	0.20	0.0	2.80	24.00	8013.50	18.18	0.0	0.64	33.66
3	1	-2	238.09	1	2	0.20	0.0	2.80	24.00	8013.50	18.18	0.0	0.64	33.66
3	1	184	13.80	1	2	0.20	0.0	2.80	24.00	2249.10	13.88	0.0	1.22	162.98
3	1	185	251.89	1	2	0.20	0.0	2.80	24.00	8601.60	17.97	0.0	0.67	34.15
3	1	186	251.89	1	2	0.20	0.0	2.80	24.00	8550.94	19.32	0.0	0.67	33.95
3	1	187	5.00	1	2	0.20	0.0	2.80	24.00	1628.51	12.57	0.0	1.16	325.70
3	1	190	256.89	1	2	0.20	0.0	2.80	24.00	8658.67	19.31	0.0	0.68	33.71
3	2	1	3.00	1	2	0.20	0.0	2.70	24.00	559.46	12.43	0.0	0.63	186.49
3	2	2	3.00	1	2	0.20	0.0	2.70	24.00	509.06	12.82	0.0	0.63	169.69
3	2	3	2.58	1	2	0.20	0.0	2.70	24.00	496.21	12.54	0.0	0.72	192.33
3	2	4	5.58	1	2	0.20	0.0	2.70	24.00	958.91	12.70	0.0	0.67	171.85
3	2	5	5.58	1	2	0.20	0.0	2.70	24.00	933.04	12.85	0.0	0.67	167.21
3	2	6	1.58	1	2	0.20	0.0	2.60	24.00	299.70	12.54	0.0	0.71	189.68
3	2	7	7.16	1	2	0.20	0.0	2.60	24.00	1189.62	12.80	0.0	0.68	166.15
3	2	7	7.16	1	2	0.20	0.0	2.60	24.00	1149.43	13.06	0.0	0.68	160.53
3	2	8	1.42	1	2	0.20	0.0	2.60	24.00	321.61	12.37	0.0	0.71	226.49
3	2	9	1.42	1	2	0.20	0.0	2.60	24.00	250.30	13.11	0.0	0.71	176.27
3	2	10	1.32	1	2	0.20	0.0	2.60	24.00	226.05	12.49	0.0	0.62	171.25
3	2	10	2.74	1	2	0.20	0.0	2.60	24.00	392.92	12.92	0.0	0.67	143.40
3	2	11	9.90	1	2	0.20	0.0	2.60	24.00	1536.00	13.04	0.0	0.68	155.15
3	2	12	9.90	1	2	0.20	0.0	2.60	24.00	1499.63	13.21	0.0	0.68	151.48
3	2	13	1.33	1	2	0.20	0.0	2.60	24.00	288.67	12.34	0.0	0.66	217.05
3	2	14	1.33	1	2	0.20	0.0	2.60	24.00	201.23	13.55	0.0	0.66	151.30
3	2	15	0.85	1	2	0.20	0.0	2.60	24.00	116.41	12.74	0.0	0.62	136.95
3	2	15	2.18	1	2	0.20	0.0	2.60	24.00	272.94	13.45	0.0	0.65	125.20
3	2	16	12.08	1	2	0.20	0.0	2.60	24.00	1757.69	13.24	0.0	0.67	145.50
3	2	17	12.08	1	2	0.20	0.0	2.60	24.00	1716.78	13.42	0.0	0.67	142.12
3	2	18	0.63	1	2	0.20	0.0	2.60	24.00	138.94	12.27	0.0	0.62	220.54
3	2	19	0.63	1	2	0.20	0.0	2.60	24.00	80.67	13.95	0.0	0.62	128.05
3	2	20	0.63	1	2	0.20	0.0	2.60	24.00	74.88	12.98	0.0	0.62	118.85
3	2	20	1.26	1	2	0.20	0.0	2.60	24.00	127.50	13.78	0.0	0.62	101.19

3	2	21	1.13	1	2	0.20	0.0	2.60	24.00	292.95	12.19	0.0	0.62	259.25
3	2	22	1.13	1	2	0.20	0.0	2.60	24.00	159.91	13.77	0.0	0.62	141.51
3	2	23	0.81	1	2	0.20	0.0	2.60	24.00	82.68	13.26	0.0	0.62	102.07
3	2	23	1.94	1	2	0.20	0.0	2.60	24.00	233.65	13.69	0.0	0.62	120.44
3	2	24	3.20	1	2	0.20	0.0	2.60	24.00	359.35	13.72	0.0	0.62	112.30
3	2	25	15.28	1	2	0.20	0.0	2.60	24.00	2049.89	13.47	0.0	0.66	134.16
3	2	26	1.20	1	2	0.20	0.0	2.60	24.00	271.79	12.37	0.0	0.71	226.49
3	2	27	1.27	1	2	0.20	0.0	2.60	24.00	316.86	12.29	0.0	0.71	249.50
3	2	27	2.47	1	2	0.20	0.0	2.60	24.00	578.54	12.33	0.0	0.71	234.23
3	2	28	2.47	1	2	0.20	0.0	2.60	24.00	367.52	13.86	0.0	0.71	148.79
3	2	29	1.56	1	2	0.20	0.0	2.60	24.00	180.15	13.04	0.0	0.62	115.48
3	2	29	4.03	1	2	0.20	0.0	2.60	24.00	490.05	13.76	0.0	0.67	121.60
3	2	30	1.48	1	2	0.20	0.0	2.60	24.00	389.27	12.26	0.0	0.71	263.02
3	2	31	1.48	1	2	0.20	0.0	2.60	24.00	256.37	13.22	0.0	0.71	173.22
3	2	31	5.51	1	2	0.20	0.0	2.60	24.00	694.34	13.57	0.0	0.68	126.01
3	2	32	5.51	1	2	0.20	0.0	2.60	24.00	612.71	15.14	0.0	0.68	111.20
3	2	33	3.12	1	2	0.20	0.0	2.60	24.00	299.58	13.42	0.0	0.62	96.02
3	2	33	8.63	1	2	0.20	0.0	2.60	24.00	762.77	15.04	0.0	0.66	88.39
3	2	34	23.91	1	2	0.20	0.0	2.60	24.00	2406.90	13.51	0.0	0.66	100.67
3	2	35	23.91	1	2	0.20	0.0	2.60	24.00	2355.42	13.83	0.0	0.66	98.51
3	2	36	0.96	1	2	0.20	0.0	2.60	24.00	131.81	12.66	0.0	0.58	137.30
3	2	37	24.87	1	2	0.20	0.0	2.60	24.00	2408.74	13.82	0.0	0.66	96.85
3	2	38	0.67	1	2	0.20	0.0	2.45	24.00	135.47	12.34	0.0	0.62	202.19
3	2	39	1.57	1	2	0.20	0.0	2.45	24.00	249.65	12.49	0.0	0.58	159.01
3	2	40	1.57	1	2	0.20	0.0	2.45	24.00	143.39	15.51	0.0	0.58	91.33
3	2	41	1.28	1	2	0.20	0.0	2.45	24.00	91.62	14.09	0.0	0.58	71.58
3	2	41	2.85	1	2	0.20	0.0	2.45	24.00	204.73	15.36	0.0	0.58	71.83
3	2	42	1.06	1	2	0.20	0.0	2.45	24.00	185.04	12.48	0.0	0.62	174.57
3	2	43	1.06	1	2	0.20	0.0	2.45	24.00	109.55	15.22	0.0	0.62	103.35
3	2	44	1.63	1	2	0.20	0.0	2.45	24.00	125.53	13.78	0.0	0.58	77.01
3	2	44	2.69	1	2	0.20	0.0	2.45	24.00	192.08	14.97	0.0	0.60	71.40
3	2	45	5.54	1	2	0.20	0.0	2.45	24.00	390.95	15.19	0.0	0.59	70.57
3	2	46	5.54	1	2	0.20	0.0	2.45	24.00	374.96	15.91	0.0	0.59	67.68
3	2	47	1.63	1	2	0.20	0.0	2.45	24.00	99.63	13.66	0.0	0.47	61.12
3	2	47	7.17	1	2	0.20	0.0	2.45	24.00	423.79	15.83	0.0	0.56	59.11
3	2	48	7.17	1	2	0.20	0.0	2.45	24.00	398.94	17.22	0.0	0.56	55.64
3	2	49	1.04	1	2	0.20	0.0	2.45	24.00	2.47	18.19	0.0	0.04	2.37
3	2	50	8.21	1	2	0.20	0.0	2.45	24.00	401.33	17.22	0.0	0.49	48.88
3	2	51	33.08	1	2	0.20	0.0	2.45	24.00	2469.41	13.85	0.0	0.62	74.65
3	2	52	33.08	1	2	0.20	0.0	2.45	24.00	2438.02	14.08	0.0	0.62	73.70
3	2	53	2.69	1	2	0.20	0.0	2.45	24.00	86.99	14.41	0.0	0.34	32.34
3	2	54	2.69	1	2	0.20	0.0	2.45	24.00	81.32	16.10	0.0	0.34	30.23
3	2	55	0.97	1	2	0.20	0.0	2.45	24.00	1.76	20.24	0.0	0.03	1.82
3	2	55	3.66	1	2	0.20	0.0	2.45	24.00	82.37	16.11	0.0	0.25	22.50
3	2	56	36.74	1	2	0.20	0.0	2.45	24.00	2466.06	14.09	0.0	0.58	67.12
3	2	57	36.74	1	2	0.20	0.0	2.45	24.00	2432.93	14.39	0.0	0.58	66.22
3	2	58	1.05	1	2	0.20	0.0	2.45	24.00	212.30	12.34	0.0	0.62	202.19
3	2	59	1.05	1	2	0.20	0.0	2.45	24.00	144.77	13.37	0.0	0.62	137.87
3	2	60	1.71	1	2	0.20	0.0	2.45	24.00	420.25	12.26	0.0	0.66	245.76
3	2	61	1.71	1	2	0.20	0.0	2.45	24.00	293.19	12.93	0.0	0.66	171.46

	2	61	2.76	1	2	0.20	0.0	2.[illegible]	24.00	410.84	13.08	0.0	0.65	148.86
	2	62	2.76	1	2	0.20	0.0	2.[illegible]	24.00	334.17	14.03	0.0	0.65	121.07
3	2	63	3.60	1	2	0.20	0.0	2.45	24.00	361.03	13.47	0.0	0.66	100.29
3	2	63	6.36	1	2	0.20	0.0	2.45	24.00	670.83	13.85	0.0	0.66	105.46
3	2	64	0.67	1	2	0.20	0.0	2.45	24.00	90.16	13.49	0.0	0.62	134.56
3	2	65	7.03	1	2	0.20	0.0	2.45	24.00	750.99	13.81	0.0	0.65	106.83
3	2	66	7.03	1	2	0.20	0.0	2.45	24.00	522.29	19.02	0.0	0.65	74.29
3	2	67	6.47	1	2	0.20	0.0	2.45	24.00	231.71	16.72	0.0	0.50	35.81
3	2	67	13.50	1	2	0.20	0.0	2.45	24.00	699.01	18.89	0.0	0.58	51.78
3	2	68	50.24	1	2	0.20	0.0	2.45	24.00	2581.67	14.42	0.0	0.58	51.39
3	2	69	50.24	1	2	0.20	0.0	2.45	24.00	2540.64	14.84	0.0	0.58	50.57
3	2	70	0.95	1	2	0.20	0.0	2.45	24.00	87.39	13.48	0.0	0.62	91.99
3	2	71	2.55	1	2	0.20	0.0	2.45	24.00	181.84	14.35	0.0	0.62	71.31
3	2	72	2.55	1	2	0.20	0.0	2.45	24.00	152.81	18.29	0.0	0.62	59.93
3	2	73	1.32	1	2	0.20	0.0	2.45	24.00	83.83	14.88	0.0	0.62	63.51
3	2	73	3.87	1	2	0.20	0.0	2.45	24.00	190.31	18.08	0.0	0.62	49.18
3	2	74	4.82	1	2	0.20	0.0	2.45	24.00	209.94	18.01	0.0	0.62	43.56
3	2	75	55.06	1	2	0.20	0.0	2.45	24.00	2684.44	14.84	0.0	0.58	48.75
3	2	76	0.50	1	2	0.20	0.0	2.30	24.00	42.34	13.34	0.0	0.54	84.69
3	2	77	55.56	1	2	0.20	0.0	2.30	24.00	2706.48	14.84	0.0	0.58	48.71
3	2	78	55.56	1	2	0.20	0.0	2.30	24.00	2686.14	15.08	0.0	0.58	48.35
3	2	79	2.31	1	2	0.20	0.0	2.30	24.00	121.84	14.87	0.0	0.54	52.75
3	2	80	1.11	1	2	0.20	0.0	2.30	24.00	88.57	13.53	0.0	0.54	79.79
3	2	80	3.42	1	2	0.20	0.0	2.30	24.00	186.46	14.14	0.0	0.54	54.52
3	2	81	3.42	1	2	0.20	0.0	2.30	24.00	172.28	16.15	0.0	0.54	50.37
3	2	82	1.06	1	2	0.20	0.0	2.30	24.00	89.77	13.34	0.0	0.54	84.69
3	2	82	4.48	1	2	0.20	0.0	2.30	24.00	202.12	15.94	0.0	0.54	45.12
3	2	83	2.54	1	2	0.20	0.0	2.30	24.00	144.22	14.41	0.0	0.54	56.78
3	2	84	7.02	1	2	0.20	0.0	2.30	24.00	316.85	15.27	0.0	0.54	45.14
3	2	85	7.02	1	2	0.20	0.0	2.30	24.00	303.37	17.42	0.0	0.54	43.22
3	2	86	0.57	1	2	0.20	0.0	2.30	24.00	48.27	13.34	0.0	0.54	84.69
3	2	86	7.59	1	2	0.20	0.0	2.30	24.00	314.37	17.37	0.0	0.54	41.42
3	2	87	1.28	1	2	0.20	0.0	2.30	24.00	108.40	13.34	0.0	0.54	84.69
3	2	88	2.12	1	2	0.20	0.0	2.30	24.00	119.73	14.73	0.0	0.54	56.48
3	2	88	3.40	1	2	0.20	0.0	2.30	24.00	198.42	13.71	0.0	0.54	58.36
3	2	89	3.40	1	2	0.20	0.0	2.30	24.00	182.12	15.88	0.0	0.54	53.56
3	2	90	1.66	1	2	0.20	0.0	2.30	24.00	151.24	13.15	0.0	0.54	91.11
3	2	90	5.06	1	2	0.20	0.0	2.30	24.00	230.16	15.60	0.0	0.54	45.49
3	2	91	12.65	1	2	0.20	0.0	2.30	24.00	506.39	16.64	0.0	0.54	40.03
3	2	92	12.65	1	2	0.20	0.0	2.30	24.00	495.61	18.04	0.0	0.54	39.18
3	2	93	0.64	1	2	0.20	0.0	2.30	24.00	66.01	12.95	0.0	0.54	103.14
3	2	93	13.29	1	2	0.20	0.0	2.30	24.00	505.80	18.02	0.0	0.54	38.06
3	2	94	1.71	1	2	0.20	0.0	2.30	24.00	101.65	14.25	0.0	0.54	59.44
3	2	95	15.00	1	2	0.20	0.0	2.30	24.00	546.16	17.87	0.0	0.54	36.41
3	2	96	15.00	1	2	0.20	0.0	2.30	24.00	539.70	18.78	0.0	0.54	35.98
3	2	97	0.52	1	2	0.20	0.0	2.30	24.00	76.13	12.49	0.0	0.54	146.40
3	2	98	15.52	1	2	0.20	0.0	2.30	24.00	546.43	18.77	0.0	0.54	35.21
3	2	100	71.08	1	2	0.20	0.0	2.30	24.00	2986.52	15.12	0.0	0.57	42.02
3	2	-1	71.08	1	2	0.20	0.0	2.30	24.00	2986.52	15.12	0.0	0.57	42.02
3	2	101	1.00	1	2	0.20	0.0	2.30	24.00	79.79	13.53	0.0	0.54	79.79

3	2	102	1.00	1	2	0.20	0.0	2.30	24.00	78.07	14.09	0.0	0.54	78.07
3	2	103	2.97	1	2	0.20	0.0	2.30	24.00	80.55	15.02	0.0	0.30	27.12
3	2	104	9.48	1	2	0.20	0.0	2.30	24.00	358.69	15.81	0.0	0.50	37.84
3	2	104	12.45	1	2	0.20	0.0	2.30	24.00	433.58	15.73	0.0	0.45	34.83
3	2	105	12.45	1	2	0.20	0.0	2.30	24.00	426.25	16.14	0.0	0.45	34.24
3	2	106	0.99	1	2	0.20	0.0	2.30	24.00	71.41	13.70	0.0	0.54	72.13
3	2	107	13.44	1	2	0.20	0.0	2.30	24.00	459.36	16.04	0.0	0.46	34.18
3	2	108	13.44	1	2	0.20	0.0	2.30	24.00	454.22	16.57	0.0	0.46	33.80
3	2	109	3.70	1	2	0.20	0.0	2.30	24.00	177.75	15.10	0.0	0.54	48.04
3	2	109	17.14	1	2	0.20	0.0	2.30	24.00	603.22	16.13	0.0	0.47	35.19
3	2	110	17.14	1	2	0.20	0.0	2.30	24.00	576.33	19.25	0.0	0.47	33.62
3	2	111	2.90	1	2	0.20	0.0	2.30	24.00	90.50	14.40	0.0	0.30	31.21
3	2	112	20.04	1	2	0.20	0.0	2.30	24.00	609.76	19.18	0.0	0.45	30.43
3	2	113	1.25	1	2	0.20	0.0	2.30	24.00	76.17	14.23	0.0	0.54	60.94
3	2	114	2.05	1	2	0.20	0.0	2.30	24.00	89.38	15.45	0.0	0.54	43.60
3	2	114	3.30	1	2	0.20	0.0	2.30	24.00	155.86	14.69	0.0	0.54	47.23
3	2	115	3.30	1	2	0.20	0.0	2.30	24.00	152.30	15.20	0.0	0.54	46.15
3	2	116	3.20	1	2	0.20	0.0	2.30	24.00	132.18	15.80	0.0	0.54	41.31
3	2	116	6.50	1	2	0.20	0.0	2.30	24.00	281.86	15.59	0.0	0.54	43.36
3	2	117	6.50	1	2	0.20	0.0	2.30	24.00	278.65	15.99	0.0	0.54	42.87
3	2	118	26.54	1	2	0.20	0.0	2.30	24.00	791.21	18.71	0.0	0.47	29.81
3	2	120	0.58	1	2	0.20	0.0	2.30	24.00	66.27	12.80	0.0	0.54	114.26
3	2	120	27.12	1	2	0.20	0.0	2.30	24.00	799.29	18.69	0.0	0.47	29.47
3	2	121	27.12	1	2	0.20	0.0	2.30	24.00	792.00	19.57	0.0	0.47	29.20
3	2	122	0.41	1	2	0.20	0.0	2.30	24.00	60.03	12.49	0.0	0.54	146.40
3	2	123	27.53	1	2	0.20	0.0	2.30	24.00	797.09	19.56	0.0	0.47	28.95
3	2	124	27.53	1	2	0.20	0.0	2.30	24.00	793.52	20.00	0.0	0.47	28.82
3	2	125	0.54	1	2	0.20	0.0	2.30	24.00	117.83	12.20	0.0	0.54	218.20
3	2	125	28.07	1	2	0.20	0.0	2.30	24.00	799.61	19.99	0.0	0.47	28.49
3	2	126	28.07	1	2	0.20	0.0	2.30	24.00	797.00	20.33	0.0	0.47	28.39
3	2	127	29.07	1	2	0.20	0.0	2.30	24.00	810.69	20.31	0.0	0.48	27.89
3	2	128	29.07	1	2	0.20	0.0	2.30	24.00	809.93	20.64	0.0	0.48	27.86
3	2	129	100.15	1	2	0.20	0.0	2.30	24.00	3263.02	15.18	0.0	0.55	32.58
3	2	130	100.15	1	2	0.20	0.0	2.30	24.00	3226.19	15.83	0.0	0.55	32.21
3	2	131	1.56	1	2	0.20	0.0	2.20	24.00	41.33	14.30	0.0	0.27	26.49
3	2	132	1.56	1	2	0.20	0.0	2.20	24.00	33.58	19.73	0.0	0.27	21.52
3	2	133	6.11	1	2	0.20	0.0	2.20	24.00	2.23	25.74	0.0	0.00	0.37
3	2	134	7.67	1	2	0.20	0.0	2.20	24.00	33.76	19.76	0.0	0.06	4.40
3	2	135	7.67	1	2	0.20	0.0	2.20	24.00	31.54	23.06	0.0	0.06	4.11
3	2	136	3.60	1	2	0.20	0.0	2.20	24.00	4.88	23.47	0.0	0.02	1.36
3	2	136	11.27	1	2	0.20	0.0	2.20	24.00	36.43	23.06	0.0	0.05	3.23
3	2	137	4.68	1	2	0.20	0.0	2.20	24.00	5.99	24.05	0.0	0.02	1.28
3	2	138	4.68	1	2	0.20	0.0	2.20	24.00	5.90	26.45	0.0	0.02	1.26
3	2	139	0.72	1	2	0.20	0.0	2.20	24.00	1.64	18.36	0.0	0.04	2.27
3	2	139	5.40	1	2	0.20	0.0	2.20	24.00	6.81	24.64	0.0	0.02	1.26
3	2	140	16.67	1	2	0.20	0.0	2.20	24.00	42.69	23.18	0.0	0.04	2.56
3	2	141	16.67	1	2	0.20	0.0	2.20	24.00	42.47	23.57	0.0	0.04	2.55
3	2	142	5.25	1	2	0.20	0.0	2.20	24.00	276.24	14.26	0.0	0.48	52.62
3	2	143	21.92	1	2	0.20	0.0	2.20	24.00	276.53	14.27	0.0	0.14	12.62
3	2	144	21.92	1	2	0.20	0.0	2.20	24.00	270.79	14.72	0.0	0.14	12.35

3	2	145	122.07	1	2	0.20	0.0	2.20	24.00	3449.78	15.78	0.0	0.47	28.26
3	2	146	122.07	1	2	0.20	0.0	2.20	24.00	3416.09	16.19	0.0	0.47	27.98
3	2	147	3.07	1	2	0.20	0.0	2.20	24.00	1.18	25.47	0.0	0.00	0.39
3	2	148	0.69	1	2	0.20	0.0	2.20	24.00	0.36	24.05	0.0	0.00	0.51
3	2	148	3.76	1	2	0.20	0.0	2.20	24.00	1.48	24.67	0.0	0.00	0.39
3	2	149	3.76	1	2	0.20	0.0	2.20	24.00	1.32	29.90	0.0	0.00	0.35
3	2	150	5.93	1	2	0.20	0.0	2.20	24.00	3.79	25.00	0.0	0.01	0.64
3	2	151	9.69	1	2	0.20	0.0	2.20	24.00	4.09	25.79	0.0	0.01	0.42
3	2	152	131.76	1	2	0.20	0.0	2.20	24.00	3416.10	16.19	0.0	0.44	25.93
3	2	153	131.76	1	2	0.20	0.0	2.20	24.00	3377.36	17.38	0.0	0.44	25.63
3	2	154	1.03	1	2	0.20	0.0	2.20	24.00	37.70	13.32	0.0	0.27	36.60
3	2	155	132.79	1	2	0.20	0.0	2.20	24.00	3388.70	17.37	0.0	0.44	25.52
3	2	156	15.90	1	2	0.20	0.0	2.20	24.00	27.09	21.82	0.0	0.03	1.70
3	2	157	15.90	1	2	0.20	0.0	2.20	24.00	27.06	25.12	0.0	0.03	1.70
3	2	158	4.70	1	2	0.20	0.0	2.20	24.00	6.38	23.47	0.0	0.02	1.36
3	2	158	20.60	1	2	0.20	0.0	2.20	24.00	33.21	24.15	0.0	0.03	1.61
3	2	159	7.90	1	2	0.20	0.0	2.15	24.00	28.21	18.35	0.0	0.06	3.57
3	2	160	9.00	1	2	0.20	0.0	2.15	24.00	414.12	13.91	0.0	0.39	46.01
3	2	161	16.90	1	2	0.20	0.0	2.15	24.00	420.64	13.93	0.0	0.24	24.89
3	2	162	16.90	1	2	0.20	0.0	2.15	24.00	381.00	15.65	0.0	0.24	22.54
3	2	163	16.60	1	2	0.20	0.0	2.15	24.00	228.21	15.54	0.0	0.18	13.75
3	2	164	33.50	1	2	0.20	0.0	2.15	24.00	608.74	15.60	0.0	0.21	18.17
3	2	165	33.50	1	2	0.20	0.0	2.15	24.00	583.04	16.58	0.0	0.21	17.40
3	2	166	6.00	1	2	0.20	0.0	2.15	24.00	133.91	14.06	0.0	0.22	22.32
3	2	167	39.50	1	2	0.20	0.0	2.15	24.00	662.10	16.48	0.0	0.21	16.76
3	2	168	39.50	1	2	0.20	0.0	2.15	24.00	599.59	20.52	0.0	0.21	15.18
3	2	169	3.90	1	2	0.20	0.0	2.15	24.00	1.07	25.08	0.0	0.00	0.27
3	2	169	43.40	1	2	0.20	0.0	2.15	24.00	599.68	20.52	0.0	0.19	13.82
3	2	170	13.90	1	2	0.20	0.0	2.15	24.00	786.17	13.39	0.0	0.39	56.56
3	2	171	57.30	1	2	0.20	0.0	2.15	24.00	786.17	13.39	0.0	0.24	13.72
3	2	172	57.30	1	2	0.20	0.0	2.15	24.00	706.38	23.41	0.0	0.24	12.33
3	2	173	8.30	1	2	0.20	0.0	2.15	24.00	1099.48	12.83	0.0	0.61	132.47
3	2	174	65.60	1	2	0.20	0.0	2.15	24.00	1099.49	12.83	0.0	0.29	16.76
3	2	175	2.60	1	2	0.20	0.0	2.10	24.00	2.46	23.93	0.0	0.01	0.95
3	2	176	68.20	1	2	0.20	0.0	2.10	24.00	1099.49	12.83	0.0	0.28	16.12
3	2	177	68.20	1	2	0.20	0.0	2.10	24.00	820.79	15.14	0.0	0.28	12.04
3	2	178	88.80	1	2	0.20	0.0	2.10	24.00	821.32	15.15	0.0	0.22	9.25
3	2	179	88.80	1	2	0.20	0.0	2.10	24.00	807.15	26.04	0.0	0.22	9.09
3	2	180	16.50	1	2	0.20	0.0	2.10	24.00	20.70	22.84	0.0	0.02	1.25
3	2	181	105.30	1	2	0.20	0.0	2.10	24.00	816.41	25.94	0.0	0.19	7.75
3	2	182	238.09	1	2	0.20	0.0	2.10	24.00	3980.05	17.49	0.0	0.33	16.72
3	2	183	238.09	1	2	0.20	0.0	2.10	24.00	3969.80	18.29	0.0	0.33	16.67
3	2	-2	238.09	1	2	0.20	0.0	2.10	24.00	3969.80	18.29	0.0	0.33	16.67
3	2	184	13.80	1	2	0.20	0.0	2.10	24.00	1244.52	13.96	0.0	0.71	90.18
3	2	185	251.89	1	2	0.20	0.0	2.10	24.00	4331.67	18.03	0.0	0.35	17.20
3	2	186	251.89	1	2	0.20	0.0	2.10	24.00	4306.94	19.40	0.0	0.35	17.10
3	2	187	5.00	1	2	0.20	0.0	2.10	24.00	885.43	12.61	0.0	0.67	177.09
3	2	190	256.89	1	2	0.20	0.0	2.10	24.00	4376.19	19.39	0.0	0.35	17.04
3	3	1	3.00	1	2	0.20	0.0	2.15	24.00	272.61	12.48	0.0	0.36	90.87
3	3	2	3.00	1	2	0.20	0.0	2.15	24.00	249.21	12.87	0.0	0.36	83.07

3	3	3	2.58	1	2	0.20	0.0	2.15	24.00	257.87	12.60	0.0	0.42	99.95
3	3	4	5.58	1	2	0.20	0.0	2.15	24.00	483.75	12.77	0.0	0.39	86.69
3	3	5	5.58	1	2	0.20	0.0	2.15	24.00	465.83	12.91	0.0	0.39	83.48
3	3	6	1.58	1	2	0.20	0.0	2.00	24.00	140.71	12.61	0.0	0.38	89.06
3	3	7	7.16	1	2	0.20	0.0	2.00	24.00	592.57	12.85	0.0	0.38	82.76
3	3	7	7.16	1	2	0.20	0.0	2.00	24.00	570.85	13.13	0.0	0.38	79.73
3	3	8	1.42	1	2	0.20	0.0	2.00	24.00	151.36	12.43	0.0	0.38	106.59
3	3	9	1.42	1	2	0.20	0.0	2.00	24.00	118.18	13.19	0.0	0.38	83.22
3	3	10	1.32	1	2	0.20	0.0	2.00	24.00	97.59	12.58	0.0	0.32	73.93
3	3	10	2.74	1	2	0.20	0.0	2.00	24.00	183.18	13.02	0.0	0.35	66.85
3	3	11	9.90	1	2	0.20	0.0	2.00	24.00	752.30	13.11	0.0	0.38	75.99
3	3	12	9.90	1	2	0.20	0.0	2.00	24.00	737.43	13.28	0.0	0.38	74.49
3	3	13	1.33	1	2	0.20	0.0	2.00	24.00	130.83	12.40	0.0	0.35	98.37
3	3	14	1.33	1	2	0.20	0.0	2.00	24.00	91.99	13.63	0.0	0.35	69.16
3	3	15	0.85	1	2	0.20	0.0	2.00	24.00	50.93	12.83	0.0	0.32	59.92
3	3	15	2.18	1	2	0.20	0.0	2.00	24.00	125.72	13.54	0.0	0.34	57.67
3	3	16	12.08	1	2	0.20	0.0	2.00	24.00	851.98	13.31	0.0	0.37	70.53
3	3	17	12.08	1	2	0.20	0.0	2.00	24.00	836.37	13.50	0.0	0.37	69.24
3	3	18	0.63	1	2	0.20	0.0	2.00	24.00	58.10	12.33	0.0	0.32	92.23
3	3	19	0.63	1	2	0.20	0.0	2.00	24.00	35.78	14.05	0.0	0.32	56.80
3	3	20	0.63	1	2	0.20	0.0	2.00	24.00	33.30	13.06	0.0	0.32	52.86
3	3	20	1.26	1	2	0.20	0.0	2.00	24.00	58.06	13.88	0.0	0.32	46.08
3	3	21	1.13	1	2	0.20	0.0	2.00	24.00	129.73	12.23	0.0	0.32	114.81
3	3	22	1.13	1	2	0.20	0.0	2.00	24.00	70.49	13.86	0.0	0.32	62.38
3	3	23	0.81	1	2	0.20	0.0	2.00	24.00	37.43	13.38	0.0	0.32	46.21
3	3	23	1.94	1	2	0.20	0.0	2.00	24.00	103.85	13.79	0.0	0.32	53.53
3	3	24	3.20	1	2	0.20	0.0	2.00	24.00	161.68	13.81	0.0	0.32	50.53
3	3	25	15.28	1	2	0.20	0.0	2.00	24.00	985.38	13.55	0.0	0.36	64.49
3	3	26	1.20	1	2	0.20	0.0	2.00	24.00	127.91	12.43	0.0	0.38	106.59
3	3	27	1.27	1	2	0.20	0.0	2.00	24.00	145.98	12.35	0.0	0.38	114.95
3	3	27	2.47	1	2	0.20	0.0	2.00	24.00	272.64	12.39	0.0	0.38	110.38
3	3	28	2.47	1	2	0.20	0.0	2.00	24.00	174.04	13.95	0.0	0.38	70.46
3	3	29	1.56	1	2	0.20	0.0	2.00	24.00	80.54	13.15	0.0	0.32	51.63
3	3	29	4.03	1	2	0.20	0.0	2.00	24.00	232.72	13.85	0.0	0.36	57.75
3	3	30	1.48	1	2	0.20	0.0	2.00	24.00	181.54	12.30	0.0	0.38	122.66
3	3	31	1.48	1	2	0.20	0.0	2.00	24.00	120.91	13.28	0.0	0.38	81.69
3	3	31	5.51	1	2	0.20	0.0	2.00	24.00	329.27	13.67	0.0	0.36	59.76
3	3	32	5.51	1	2	0.20	0.0	2.00	24.00	292.48	15.25	0.0	0.36	53.08
3	3	33	3.12	1	2	0.20	0.0	2.00	24.00	135.09	13.53	0.0	0.32	43.30
3	3	33	8.63	1	2	0.20	0.0	2.00	24.00	368.01	15.15	0.0	0.35	42.64
3	3	34	23.91	1	2	0.20	0.0	2.00	24.00	1148.85	13.60	0.0	0.35	48.05
3	3	35	23.91	1	2	0.20	0.0	2.00	24.00	1121.44	13.92	0.0	0.35	46.90
3	3	36	0.96	1	2	0.20	0.0	2.00	24.00	55.19	12.76	0.0	0.29	57.48
3	3	37	24.87	1	2	0.20	0.0	2.00	24.00	1147.76	13.90	0.0	0.35	46.15
3	3	38	0.67	1	2	0.20	0.0	1.90	24.00	62.81	12.40	0.0	0.33	93.75
3	3	39	1.57	1	2	0.20	0.0	1.90	24.00	110.29	12.58	0.0	0.30	70.25
3	3	40	1.57	1	2	0.20	0.0	1.90	24.00	66.30	15.63	0.0	0.30	42.23
3	3	41	1.28	1	2	0.20	0.0	1.90	24.00	43.69	14.18	0.0	0.30	34.14
3	3	41	2.85	1	2	0.20	0.0	1.90	24.00	97.17	15.48	0.0	0.30	34.09
3	3	42	1.06	1	2	0.20	0.0	1.90	24.00	84.86	12.56	0.0	0.33	80.06

3	3	43	1.06	1	2	0.20	0.0	1.90	24.00	52.13	15.32	0.0	0.33	49.18
3	3	44	1.63	1	2	0.20	0.0	1.90	24.00	58.12	13.85	0.0	0.30	35.66
3	3	44	2.69	1	2	0.20	0.0	1.90	24.00	93.30	15.09	0.0	0.32	34.68
3	3	45	5.54	1	2	0.20	0.0	1.90	24.00	188.13	15.32	0.0	0.31	33.96
3	3	46	5.54	1	2	0.20	0.0	1.90	24.00	180.76	16.04	0.0	0.31	32.63
3	3	47	1.63	1	2	0.20	0.0	1.90	24.00	41.19	13.96	0.0	0.23	25.27
3	3	47	7.17	1	2	0.20	0.0	1.90	24.00	204.76	15.97	0.0	0.29	28.56
3	3	48	7.17	1	2	0.20	0.0	1.90	24.00	192.99	17.40	0.0	0.29	26.92
3	3	49	1.04	1	2	0.20	0.0	1.90	24.00	0.09	24.54	0.0	0.00	0.08
3	3	50	8.21	1	2	0.20	0.0	1.90	24.00	192.99	17.40	0.0	0.25	23.51
3	3	51	33.08	1	2	0.20	0.0	1.90	24.00	1173.09	13.94	0.0	0.33	35.46
3	3	52	33.08	1	2	0.20	0.0	1.90	24.00	1160.21	14.18	0.0	0.33	35.07
3	3	53	2.69	1	2	0.20	0.0	1.90	24.00	30.68	14.85	0.0	0.14	11.40
3	3	54	2.69	1	2	0.20	0.0	1.90	24.00	29.00	16.63	0.0	0.14	10.78
3	3	55	0.97	1	2	0.20	0.0	1.90	24.00	0.0	0.0	0.0	0.0	0.0
3	3	55	3.66	1	2	0.20	0.0	1.90	24.00	29.00	16.63	0.0	0.11	7.92
3	3	56	36.74	1	2	0.20	0.0	1.90	24.00	1168.42	14.19	0.0	0.31	31.80
3	3	57	36.74	1	2	0.20	0.0	1.90	24.00	1156.62	14.47	0.0	0.31	31.48
3	3	58	1.05	1	2	0.20	0.0	1.90	24.00	98.44	12.40	0.0	0.33	93.75
3	3	59	1.05	1	2	0.20	0.0	1.90	24.00	67.68	13.45	0.0	0.33	64.46
3	3	60	1.71	1	2	0.20	0.0	1.90	24.00	200.53	12.30	0.0	0.36	117.27
3	3	61	1.71	1	2	0.20	0.0	1.90	24.00	141.14	13.00	0.0	0.36	82.54
3	3	61	2.76	1	2	0.20	0.0	1.90	24.00	195.29	13.15	0.0	0.35	70.76
3	3	62	2.76	1	2	0.20	0.0	1.90	24.00	160.93	14.12	0.0	0.35	58.31
3	3	63	3.60	1	2	0.20	0.0	1.90	24.00	177.45	13.72	0.0	0.36	49.29
3	3	63	6.36	1	2	0.20	0.0	1.90	24.00	327.33	13.93	0.0	0.36	51.47
3	3	64	0.67	1	2	0.20	0.0	1.90	24.00	42.11	13.58	0.0	0.33	62.84
3	3	65	7.03	1	2	0.20	0.0	1.90	24.00	366.94	13.88	0.0	0.36	52.20
3	3	66	7.03	1	2	0.20	0.0	1.90	24.00	261.60	19.16	0.0	0.36	37.21
3	3	67	6.47	1	2	0.20	0.0	1.90	24.00	106.49	16.82	0.0	0.25	16.46
3	3	67	13.50	1	2	0.20	0.0	1.90	24.00	349.05	19.05	0.0	0.31	25.86
3	3	68	50.24	1	2	0.20	0.0	1.90	24.00	1223.16	14.50	0.0	0.31	24.35
3	3	69	50.24	1	2	0.20	0.0	1.90	24.00	1202.03	14.94	0.0	0.31	23.93
3	3	70	0.95	1	2	0.20	0.0	1.90	24.00	41.85	13.74	0.0	0.33	44.05
3	3	71	2.55	1	2	0.20	0.0	1.90	24.00	89.40	14.46	0.0	0.33	35.06
3	3	72	2.55	1	2	0.20	0.0	1.90	24.00	75.87	18.47	0.0	0.33	29.75
3	3	73	1.32	1	2	0.20	0.0	1.90	24.00	41.95	14.97	0.0	0.33	31.78
3	3	73	3.87	1	2	0.20	0.0	1.90	24.00	96.48	18.28	0.0	0.33	24.93
3	3	74	4.82	1	2	0.20	0.0	1.90	24.00	107.93	18.18	0.0	0.33	22.39
3	3	75	55.06	1	2	0.20	0.0	1.90	24.00	1274.42	14.94	0.0	0.31	23.15
3	3	76	0.50	1	2	0.20	0.0	1.80	24.00	19.96	13.42	0.0	0.29	39.92
3	3	77	55.56	1	2	0.20	0.0	1.80	24.00	1285.98	14.93	0.0	0.31	23.15
3	3	78	55.56	1	2	0.20	0.0	1.80	24.00	1277.54	15.18	0.0	0.31	22.99
3	3	79	2.31	1	2	0.20	0.0	1.80	24.00	59.23	14.97	0.0	0.29	25.64
3	3	80	1.11	1	2	0.20	0.0	1.80	24.00	42.17	13.60	0.0	0.29	37.99
3	3	80	3.42	1	2	0.20	0.0	1.80	24.00	90.10	14.22	0.0	0.29	26.35
3	3	81	3.42	1	2	0.20	0.0	1.80	24.00	84.54	16.35	0.0	0.29	24.72
3	3	82	1.06	1	2	0.20	0.0	1.80	24.00	42.31	13.42	0.0	0.29	39.92
3	3	82	4.48	1	2	0.20	0.0	1.80	24.00	100.30	16.11	0.0	0.29	22.39
3	3	83	2.54	1	2	0.20	0.0	1.80	24.00	69.31	14.47	0.0	0.29	27.29

3	3	84	7.02	1	2	0.20	0.0	1.80	24.00	157.88	15.55	0.0	0.29	22.49
3	3	85	7.02	1	2	0.20	0.0	1.80	24.00	151.46	17.66	0.0	0.29	21.58
3	3	86	0.57	1	2	0.20	0.0	1.80	24.00	22.75	13.42	0.0	0.29	39.92
3	3	86	7.59	1	2	0.20	0.0	1.80	24.00	157.80	17.62	0.0	0.29	20.79
3	3	87	1.28	1	2	0.20	0.0	1.80	24.00	51.10	13.42	0.0	0.29	39.92
3	3	88	2.12	1	2	0.20	0.0	1.80	24.00	59.03	14.80	0.0	0.29	27.84
3	3	88	3.40	1	2	0.20	0.0	1.80	24.00	95.85	14.15	0.0	0.29	28.19
3	3	89	3.40	1	2	0.20	0.0	1.80	24.00	88.83	16.10	0.0	0.29	26.13
3	3	90	1.66	1	2	0.20	0.0	1.80	24.00	70.82	13.26	0.0	0.29	42.66
3	3	90	5.06	1	2	0.20	0.0	1.80	24.00	114.88	15.79	0.0	0.29	22.70
3	3	91	12.65	1	2	0.20	0.0	1.80	24.00	255.19	16.89	0.0	0.29	20.17
3	3	92	12.65	1	2	0.20	0.0	1.80	24.00	250.28	18.30	0.0	0.29	19.78
3	3	93	0.64	1	2	0.20	0.0	1.80	24.00	30.67	13.06	0.0	0.29	47.92
3	3	93	13.29	1	2	0.20	0.0	1.80	24.00	256.29	18.27	0.0	0.29	19.28
3	3	94	1.71	1	2	0.20	0.0	1.80	24.00	49.26	14.56	0.0	0.29	28.81
3	3	95	15.00	1	2	0.20	0.0	1.80	24.00	278.44	18.13	0.0	0.29	18.56
3	3	96	15.00	1	2	0.20	0.0	1.80	24.00	275.46	19.04	0.0	0.29	18.36
3	3	97	0.52	1	2	0.20	0.0	1.80	24.00	34.48	12.58	0.0	0.29	66.30
3	3	98	15.52	1	2	0.20	0.0	1.80	24.00	279.51	19.04	0.0	0.29	18.01
3	3	100	71.08	1	2	0.20	0.0	1.80	24.00	1427.07	15.24	0.0	0.30	20.08
3	3	-1	71.08	1	2	0.20	0.0	1.80	24.00	1427.07	15.24	0.0	0.30	20.08
3	3	101	1.00	1	2	0.20	0.0	1.80	24.00	37.99	13.60	0.0	0.29	37.99
3	3	102	1.00	1	2	0.20	0.0	1.80	24.00	37.07	14.21	0.0	0.29	37.07
3	3	103	2.97	1	2	0.20	0.0	1.80	24.00	29.30	15.59	0.0	0.13	9.87
3	3	104	9.48	1	2	0.20	0.0	1.80	24.00	171.80	16.50	0.0	0.26	18.12
3	3	104	12.45	1	2	0.20	0.0	1.80	24.00	200.51	15.87	0.0	0.23	16.11
3	3	105	12.45	1	2	0.20	0.0	1.80	24.00	198.39	16.66	0.0	0.23	15.93
3	3	106	0.99	1	2	0.20	0.0	1.80	24.00	33.72	13.80	0.0	0.29	34.06
3	3	107	13.44	1	2	0.20	0.0	1.80	24.00	214.26	16.38	0.0	0.23	15.94
3	3	108	13.44	1	2	0.20	0.0	1.80	24.00	212.75	17.01	0.0	0.23	15.83
3	3	109	3.70	1	2	0.20	0.0	1.80	24.00	86.82	15.22	0.0	0.29	23.47
3	3	109	17.14	1	2	0.20	0.0	1.80	24.00	286.04	16.51	0.0	0.25	16.69
3	3	110	17.14	1	2	0.20	0.0	1.80	24.00	275.04	19.62	0.0	0.25	16.05
3	3	111	2.90	1	2	0.20	0.0	1.80	24.00	32.08	14.82	0.0	0.13	11.06
3	3	112	20.04	1	2	0.20	0.0	1.80	24.00	291.44	19.55	0.0	0.23	14.54
3	3	113	1.25	1	2	0.20	0.0	1.80	24.00	36.37	14.32	0.0	0.29	29.10
3	3	114	2.05	1	2	0.20	0.0	1.80	24.00	43.91	15.61	0.0	0.29	21.42
3	3	114	3.30	1	2	0.20	0.0	1.80	24.00	75.18	14.85	0.0	0.29	22.78
3	3	115	3.30	1	2	0.20	0.0	1.80	24.00	74.41	15.53	0.0	0.29	22.55
3	3	116	3.20	1	2	0.20	0.0	1.80	24.00	65.33	15.88	0.0	0.29	20.42
3	3	116	6.50	1	2	0.20	0.0	1.80	24.00	138.91	15.77	0.0	0.29	21.37
3	3	117	6.50	1	2	0.20	0.0	1.80	24.00	136.87	16.21	0.0	0.29	21.06
3	3	118	26.54	1	2	0.20	0.0	1.80	24.00	386.27	19.05	0.0	0.24	14.55
3	3	120	0.58	1	2	0.20	0.0	1.80	24.00	30.59	12.88	0.0	0.29	52.75
3	3	120	27.12	1	2	0.20	0.0	1.80	24.00	391.00	19.03	0.0	0.24	14.42
3	3	121	27.12	1	2	0.20	0.0	1.80	24.00	388.01	19.90	0.0	0.24	14.31
3	3	122	0.41	1	2	0.20	0.0	1.80	24.00	27.18	12.58	0.0	0.29	66.30
3	3	123	27.53	1	2	0.20	0.0	1.80	24.00	391.10	19.89	0.0	0.24	14.21
3	3	124	27.53	1	2	0.20	0.0	1.80	24.00	389.58	20.34	0.0	0.24	14.15
3	3	125	0.54	1	2	0.20	0.0	1.80	24.00	54.27	12.23	0.0	0.29	100.50

3	3	125	28.07	1	2	0.20	0.0	1.80	24.00	393.29	20.33	0.0	0.25	14.01
3	3	126	28.07	1	2	0.20	0.0	1.80	24.00	392.20	20.67	0.0	0.25	13.97
3	3	127	29.07	1	2	0.20	0.0	1.80	24.00	400.34	20.64	0.0	0.25	13.77
3	3	128	29.07	1	2	0.20	0.0	1.80	24.00	400.01	20.98	0.0	0.25	13.76
3	3	129	100.15	1	2	0.20	0.0	1.80	24.00	1621.58	19.06	0.0	0.29	16.19
3	3	130	100.15	1	2	0.20	0.0	1.80	24.00	1618.71	19.63	0.0	0.29	16.16
3	3	131	1.56	1	2	0.20	0.0	1.75	24.00	14.94	14.49	0.0	0.12	9.58
3	3	132	1.56	1	2	0.20	0.0	1.75	24.00	12.94	20.37	0.0	0.12	8.30
3	3	133	6.11	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	134	7.67	1	2	0.20	0.0	1.75	24.00	12.94	20.37	0.0	0.02	1.69
3	3	135	7.67	1	2	0.20	0.0	1.75	24.00	12.30	23.69	0.0	0.02	1.60
3	3	136	3.60	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	136	11.27	1	2	0.20	0.0	1.75	24.00	12.30	23.69	0.0	0.02	1.09
3	3	137	4.68	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	138	4.68	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	139	0.72	1	2	0.20	0.0	1.75	24.00	0.18	24.44	0.0	0.00	0.24
3	3	139	5.40	1	2	0.20	0.0	1.75	24.00	0.18	24.44	0.0	0.00	0.03
3	3	140	16.67	1	2	0.20	0.0	1.75	24.00	12.46	23.72	0.0	0.01	0.75
3	3	141	16.67	1	2	0.20	0.0	1.75	24.00	12.39	24.11	0.0	0.01	0.74
3	3	142	5.25	1	2	0.20	0.0	1.75	24.00	137.97	14.59	0.0	0.27	26.28
3	3	143	21.92	1	2	0.20	0.0	1.75	24.00	137.97	14.59	0.0	0.07	6.29
3	3	144	21.92	1	2	0.20	0.0	1.75	24.00	135.62	14.89	0.0	0.07	6.19
3	3	145	122.07	1	2	0.20	0.0	1.75	24.00	1672.19	19.57	0.0	0.25	13.70
3	3	146	122.07	1	2	0.20	0.0	1.75	24.00	1670.31	19.93	0.0	0.25	13.68
3	3	147	3.07	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	148	0.69	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	148	3.76	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	149	3.76	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	150	5.93	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	151	9.69	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	152	131.76	1	2	0.20	0.0	1.75	24.00	1670.31	19.93	0.0	0.23	12.68
3	3	153	131.76	1	2	0.20	0.0	1.75	24.00	1666.08	20.99	0.0	0.23	12.64
3	3	154	1.03	1	2	0.20	0.0	1.75	24.00	12.57	13.58	0.0	0.12	12.20
3	3	155	132.79	1	2	0.20	0.0	1.75	24.00	1670.27	20.99	0.0	0.23	12.58
3	3	156	15.90	1	2	0.20	0.0	1.75	24.00	0.68	25.46	0.0	0.00	0.04
3	3	157	15.90	1	2	0.20	0.0	1.75	24.00	0.62	28.81	0.0	0.00	0.04
3	3	158	4.70	1	2	0.20	0.0	1.75	24.00	0.0	0.0	0.0	0.0	0.0
3	3	158	20.60	1	2	0.20	0.0	1.75	24.00	0.62	28.81	0.0	0.00	0.03
3	3	159	7.90	1	2	0.20	0.0	1.70	24.00	5.39	24.31	0.0	0.01	0.68
3	3	160	9.00	1	2	0.20	0.0	1.70	24.00	179.89	14.09	0.0	0.20	19.99
3	3	161	16.90	1	2	0.20	0.0	1.70	24.00	179.89	14.09	0.0	0.11	10.64
3	3	162	16.90	1	2	0.20	0.0	1.70	24.00	164.42	15.84	0.0	0.11	9.73
3	3	163	16.60	1	2	0.20	0.0	1.70	24.00	66.00	16.76	0.0	0.06	3.98
3	3	164	33.50	1	2	0.20	0.0	1.70	24.00	227.87	15.95	0.0	0.09	6.80
3	3	165	33.50	1	2	0.20	0.0	1.70	24.00	221.05	16.98	0.0	0.09	6.60
3	3	166	6.00	1	2	0.20	0.0	1.70	24.00	42.26	14.64	0.0	0.09	7.04
3	3	167	39.50	1	2	0.20	0.0	1.70	24.00	253.83	16.89	0.0	0.09	6.43
3	3	168	39.50	1	2	0.20	0.0	1.70	24.00	233.40	21.02	0.0	0.09	5.91
3	3	169	3.90	1	2	0.20	0.0	1.70	24.00	0.0	0.0	0.0	0.0	0.0
3	3	169	43.40	1	2	0.20	0.0	1.70	24.00	233.40	21.02	0.0	0.08	5.38

3	3	170	13.90	1	2	0.20	0.0	1.70	24.00	333.51	13.50	0.0	0.20	23.99
3	3	171	57.30	1	2	0.20	0.0	1.70	24.00	333.51	13.50	0.0	0.11	5.82
3	3	172	57.30	1	2	0.20	0.0	1.70	24.00	301.78	23.87	0.0	0.11	5.27
3	3	173	8.30	1	2	0.20	0.0	1.70	24.00	576.78	12.89	0.0	0.36	69.49
3	3	174	65.60	1	2	0.20	0.0	1.70	24.00	576.78	12.89	0.0	0.14	8.79
3	3	175	2.60	1	2	0.20	0.0	1.65	24.00	0.0	0.0	0.0	0.0	0.0
3	3	176	68.20	1	2	0.20	0.0	1.65	24.00	576.78	12.89	0.0	0.13	8.46
3	3	177	68.20	1	2	0.20	0.0	1.65	24.00	436.92	15.23	0.0	0.13	6.41
3	3	178	88.80	1	2	0.20	0.0	1.65	24.00	436.92	15.23	0.0	0.10	4.92
3	3	179	88.80	1	2	0.20	0.0	1.65	24.00	426.63	15.74	0.0	0.10	4.80
3	3	180	16.50	1	2	0.20	0.0	1.65	24.00	0.0	0.0	0.0	0.0	0.0
3	3	181	105.30	1	2	0.20	0.0	1.65	24.00	426.63	15.74	0.0	0.09	4.05
3	3	182	238.09	1	2	0.20	0.0	1.65	24.00	1979.30	20.44	0.0	0.17	8.31
3	3	183	238.09	1	2	0.20	0.0	1.65	24.00	1977.83	21.05	0.0	0.17	8.31
3	3	-2	238.09	1	2	0.20	0.0	1.65	24.00	1977.83	21.05	0.0	0.17	8.31
3	3	184	13.80	1	2	0.20	0.0	1.65	24.00	707.34	14.21	0.0	0.43	51.26
3	3	185	251.89	1	2	0.20	0.0	1.65	24.00	2160.90	18.10	0.0	0.18	8.58
3	3	186	251.89	1	2	0.20	0.0	1.65	24.00	2149.92	19.47	0.0	0.18	8.54
3	3	187	5.00	1	2	0.20	0.0	1.65	24.00	478.81	12.65	0.0	0.39	95.76
3	3	190	256.89	1	2	0.20	0.0	1.65	24.00	2195.66	19.46	0.0	0.18	8.55

SUM / TABLE 3

		DISCHARGE,CFS									
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
XSEC/STRUC NO. -2											
ALTERNATE 3	-2	8013.50 8019	3969.80	1977.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. -1											
ALTERNATE 3	-1	5861.16 5691	2986.52	1427.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 1											
ALTERNATE 3	3	1157.52 1159	559.46	272.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 2											
ALTERNATE 3	5	1052.46 1054	509.06	249.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 3											
ALTERNATE 3	8	986.24 997	496.21	257.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 4											
ALTERNATE 3	10	1963.07 1965	958.91	483.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 5											
ALTERNATE 3	11	1887.91 1890	933.04	465.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 6											
ALTERNATE 3	12	567.49 568	299.70	140.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 7											
ALTERNATE 3	14	2288.65 2291	1149.43	570.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 8											
ALTERNATE 3	17	600.07 601	321.61	151.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 9											
ALTERNATE 3	19	471.37 471	250.30	118.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 10											
ALTERNATE 3	21	748.47 749	392.92	183.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 11											
ALTERNATE 3	22	3015.49 3019	1536.00	752.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 12											
ALTERNATE 3	23	2940.91 2944	1499.63	737.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 13											
ALTERNATE 3	29	563.76 564	288.67	130.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NOTE: RED FIGURES ARE X. Section Numbers
and PLAN DISC FOR ALT # 3 XEQ SEPT 1974
AND BLACK FIGURES ARE FOR ALT # 3(REV.) XEQ NOV 1974.

XSEC/STRUC NO. 14 ALTERNATE 3	32	387.18 387	201.23	91.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 15 ALTERNATE 3	34	521.43 522	272.94	125.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 16 ALTERNATE 3	35	3437.08 3441	1757.69	851.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 17 ALTERNATE 3	36	3354.28 3358	1716.78	836.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 18 ALTERNATE 3	39	273.17 273	138.94	58.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 19 ALTERNATE 3	41	158.89 159	80.67	35.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 20 ALTERNATE 3	45	246.30 246	127.50	58.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 21 ALTERNATE 3	48	563.18 564	292.95	129.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 22 ALTERNATE 3	50	314.42 315	159.91	70.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 23 ALTERNATE 3	52	456.24 456	233.65	103.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 24 ALTERNATE 3	53	702.74 703	359.35	161.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 25 ALTERNATE 3	54	4005.64 4010	2049.89	985.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 26 ALTERNATE 3	57	507.10 507	271.79	127.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 27 ALTERNATE 3	66	1102.44 1104	578.54	272.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 28 ALTERNATE 3	67	686.90 687	367.52	174.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 29 ALTERNATE 3	69	922.65 924	490.05	232.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 30 ALTERNATE 3	75	725.79 727	389.27	181.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0

XSEC/STRUC NO. 31											
ALTERNATE 3	1301.72	694.34	329.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1303									
XSEC/STRUC NO. 32											
ALTERNATE 3	1148.61	612.71	292.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	1150									
XSEC/STRUC NO. 33											
ALTERNATE 3	1418.61	762.77	368.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	1420									
XSEC/STRUC NO. 34											
ALTERNATE 3	4712.15	2406.90	1148.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	4718									
XSEC/STRUC NO. 35											
ALTERNATE 3	4598.47	2355.42	1121.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	4603									
XSEC/STRUC NO. 36											
ALTERNATE 3	266.61	131.81	55.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	267									
XSEC/STRUC NO. 37											
ALTERNATE 3	4696.80	2408.74	1147.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	4702									
XSEC/STRUC NO. 38											
ALTERNATE 3	264.72	135.47	62.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	265									
XSEC/STRUC NO. 39											
ALTERNATE 3	492.90	249.65	110.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	493									
XSEC/STRUC NO. 40											
ALTERNATE 3	278.53	143.39	66.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94	279									
XSEC/STRUC NO. 41											
ALTERNATE 3	391.31	204.73	97.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	392									
XSEC/STRUC NO. 42											
ALTERNATE 3	355.46	185.04	84.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99	356									
XSEC/STRUC NO. 43											
ALTERNATE 3	208.46	109.55	52.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101	209									
XSEC/STRUC NO. 44											
ALTERNATE 3	360.88	192.08	93.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108	361									
XSEC/STRUC NO. 45											
ALTERNATE 3	741.49	390.95	188.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	742									
XSEC/STRUC NO. 46											
ALTERNATE 3	709.95	374.96	180.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	711									
XSEC/STRUC NO. 47											
ALTERNATE 3	800.84	423.79	204.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114	802									

XSEC/STRUC NO. 48											
ALTERNATE 3	115	754.45 755	398.94	192.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 49											
ALTERNATE 3	116	15.18 15	2.47	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 50											
ALTERNATE 3	117	764.46 765	401.33	192.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 51											
ALTERNATE 3	118	4837.02 4815	2469.41	1173.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 52											
ALTERNATE 3	119	4772.87 4778	2438.02	1160.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 53											
ALTERNATE 3	120	204.85 205	86.99	30.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 54											
ALTERNATE 3	121	188.50 189	81.32	29.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 55											
ALTERNATE 3	123	198.22 198	82.37	29.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 56											
ALTERNATE 3	124	4853.12 4858	2466.06	1168.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 57											
ALTERNATE 3	125	4783.11 4788	2432.93	1156.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 58											
ALTERNATE 3	128	414.86 415	212.30	98.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 59											
ALTERNATE 3	130	277.99 278	144.77	67.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 60											
ALTERNATE 3	133	783.51 784	420.25	200.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 61											
ALTERNATE 3	136	776.89 778	410.84	195.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 62											
ALTERNATE 3	137	628.81 629	334.17	160.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 63											
ALTERNATE 3	139	1249.04 1200	670.83	327.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 64											
ALTERNATE 3	140	173.15 173	90.16	42.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0

XSEC/STRUC NO. 65											
ALTERNATE 3	141	1401.11 (1244)	750.99	366.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 66											
ALTERNATE 3	142	963.53 (952)	522.29	261.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 67											
ALTERNATE 3	144	1294.02 1294	699.01	349.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 68											
ALTERNATE 3	145	5077.55 5106	2581.67	1223.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 69											
ALTERNATE 3	146	4990.93 5019	2540.64	1202.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 70											
ALTERNATE 3	147	166.53 167	87.39	41.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 71											
ALTERNATE 3	150	341.68 342	181.84	89.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 72											
ALTERNATE 3	151	284.17 284	152.81	75.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 73											
ALTERNATE 3	153	348.74 349	190.31	96.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 74											
ALTERNATE 3	154	380.73 381	209.94	107.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 75											
ALTERNATE 3	155	5256.20 5285	2684.44	1274.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 76											
ALTERNATE 3	156	85.36 85	42.34	19.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 77											
ALTERNATE 3	157	5297.55 5326	2706.48	1285.98	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 78											
ALTERNATE 3	158	5255.16 5284	2686.14	1277.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 79											
ALTERNATE 3	159	241.85 242	121.84	59.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 80											
ALTERNATE 3	161	370.19 371	186.46	90.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO. 81											
ALTERNATE 3	162	342.65 343	172.28	84.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0

XSEC/STRUC NO. 82											
ALTERNATE 3	395.23	202.12	100.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164	396										
XSEC/STRUC NO. 83											
ALTERNATE 3	288.78	144.22	69.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	289										
XSEC/STRUC NO. 84											
ALTERNATE 3	624.29	316.85	157.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166	625										
XSEC/STRUC NO. 85											
ALTERNATE 3	593.92	303.37	151.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167	595										
XSEC/STRUC NO. 86											
ALTERNATE 3	612.92	314.37	157.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169	614										
XSEC/STRUC NO. 87											
ALTERNATE 3	218.51	108.40	51.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	219										
XSEC/STRUC NO. 88											
ALTERNATE 3	403.09	198.42	95.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172	404										
XSEC/STRUC NO. 89											
ALTERNATE 3	361.82	182.12	88.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173	362										
XSEC/STRUC NO. 90											
ALTERNATE 3	447.70	230.16	114.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	448										
XSEC/STRUC NO. 91											
ALTERNATE 3	984.12	506.39	255.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176	985										
XSEC/STRUC NO. 92											
ALTERNATE 3	961.69	495.61	250.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177	962										
XSEC/STRUC NO. 93											
ALTERNATE 3	978.79	505.80	256.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179	980										
XSEC/STRUC NO. 94											
ALTERNATE 3	203.41	101.65	49.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	203										
XSEC/STRUC NO. 95											
ALTERNATE 3	1051.53	546.16	278.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181	1053										
XSEC/STRUC NO. 96											
ALTERNATE 3	1038.44	539.70	275.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182	1040										
XSEC/STRUC NO. 97											
ALTERNATE 3	156.53	76.13	34.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183	157										
XSEC/STRUC NO. 98											
ALTERNATE 3	1049.72	546.43	279.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184	1051										

XSEC/STRUC NO.100											
ALTERNATE	3	5861.16	2986.52	1427.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	5991										
XSEC/STRUC NO.101											
ALTERNATE	3	161.86	79.79	37.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
303	162										
XSEC/STRUC NO.102											
ALTERNATE	3	157.80	78.07	37.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	158										
XSEC/STRUC NO.103											
ALTERNATE	3	192.64	80.55	29.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	193										
XSEC/STRUC NO.104											
ALTERNATE	3	896.23	433.58	200.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308	897										
XSEC/STRUC NO.105											
ALTERNATE	3	886.03	426.25	198.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
309	887										
XSEC/STRUC NO.106											
ALTERNATE	3	144.32	71.41	33.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	144										
XSEC/STRUC NO.107											
ALTERNATE	3	944.51	459.36	214.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	946										
XSEC/STRUC NO.108											
ALTERNATE	3	936.00	454.22	212.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
312	937										
XSEC/STRUC NO.109											
ALTERNATE	3	1239.30	603.22	286.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314	1241										
XSEC/STRUC NO.110											
ALTERNATE	3	1170.51	576.33	275.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	1171										
XSEC/STRUC NO.111											
ALTERNATE	3	218.44	90.50	32.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
316	219										
XSEC/STRUC NO.112											
ALTERNATE	3	1235.17	609.76	291.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317	1237										
XSEC/STRUC NO.113											
ALTERNATE	3	152.73	76.17	36.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318	153										
XSEC/STRUC NO.114											
ALTERNATE	3	311.33	155.86	75.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320	312										
XSEC/STRUC NO.115											
ALTERNATE	3	304.08	152.30	74.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
321	304										
XSEC/STRUC NO.116											
ALTERNATE	3	555.25	281.86	138.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	556										

XSEC/STRUC NO.117											
ALTERNATE	3	550.36	278.65	136.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
324		551									
XSEC/STRUC NO.118											
ALTERNATE	3 325	1577.15	791.21	386.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1579									
XSEC/STRUC NO.120											
ALTERNATE	3	1590.76	799.29	391.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
328		1513									
XSEC/STRUC NO.121											
ALTERNATE	3	1574.28	792.00	388.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
329		1576									
XSEC/STRUC NO.122											
ALTERNATE	3	123.42	60.03	27.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330		124									
XSEC/STRUC NO.123											
ALTERNATE	3	1582.55	797.09	391.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331		1584									
XSEC/STRUC NO.124											
ALTERNATE	3	1574.73	793.52	389.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
332		1577									
XSEC/STRUC NO.125											
ALTERNATE	3	1585.05	799.61	393.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
334		1589									
XSEC/STRUC NO.126											
ALTERNATE	3	1579.11	797.00	392.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
335		1581									
XSEC/STRUC NO.127											
ALTERNATE	3	1602.05	810.69	400.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
336		1604									
XSEC/STRUC NO.128											
ALTERNATE	3	1600.29	809.93	400.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
337		1602									
XSEC/STRUC NO.129											
ALTERNATE	3	6436.33	3263.02	1621.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
338		6467									
XSEC/STRUC NO.130											
ALTERNATE	3	6343.21	3226.19	1618.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339		6374									
XSEC/STRUC NO.131											
ALTERNATE	3 340	106.00	41.33	14.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		106									
XSEC/STRUC NO.132											
ALTERNATE	3	82.35	33.58	12.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341		82									
XSEC/STRUC NO.133											
ALTERNATE	3 342	24.59	2.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		25									
XSEC/STRUC NO.134											
ALTERNATE	3	106.74	33.76	12.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0
343		107									

XSEC/STRUC NO.135											
ALTERNATE 3	99.69	31.54	12.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344	100										
XSEC/STRUC NO.136											
ALTERNATE 3	117.95	36.43	12.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346	118										
XSEC/STRUC NO.137											
ALTERNATE 3	33.00	5.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
347	33										
XSEC/STRUC NO.138											
ALTERNATE 3	32.39	5.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348	32										
XSEC/STRUC NO.139											
ALTERNATE 3	37.16	6.81	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350	37										
XSEC/STRUC NO.140											
ALTERNATE 3	152.82	42.69	12.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351	153										
XSEC/STRUC NO.141											
ALTERNATE 3	152.08	42.47	12.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
352	152										
XSEC/STRUC NO.142											
ALTERNATE 3	556.77	276.24	137.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0
353	557										
XSEC/STRUC NO.143											
ALTERNATE 3	584.03	276.53	137.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0
354	—										
XSEC/STRUC NO.144											
ALTERNATE 3	572.00	270.79	135.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
355	572										
XSEC/STRUC NO.145											
ALTERNATE 3	6845.70	3449.78	1672.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
356	6877										
XSEC/STRUC NO.146											
ALTERNATE 3	6771.38	3416.09	1670.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357	6803										
XSEC/STRUC NO.147											
ALTERNATE 3	12.67	1.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
358	13										
XSEC/STRUC NO.148											
ALTERNATE 3	15.47	1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360	15										
XSEC/STRUC NO.149											
ALTERNATE 3	15.15	1.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
361	15										
XSEC/STRUC NO.150											
ALTERNATE 3	29.06	3.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
362	29										
XSEC/STRUC NO.151											
ALTERNATE 3	40.04	4.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
363	40										

XSEC/STRUC NO.152											
ALTERNATE	3 364	6790.80 6823	3416.10	1670.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.153											
ALTERNATE	3 365	6675.79 6708	3377.36	1666.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.154											
ALTERNATE	3 366	99.01 99	37.70	12.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.155											
ALTERNATE	3 367	6697.21 6729	3368.70	1670.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.156											
ALTERNATE	3 417	153.80 154	27.09	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.157											
ALTERNATE	3 419	151.28 151	27.06	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.158											
ALTERNATE	3 422	181.85 182	33.21	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.159											
ALTERNATE	3 439	128.50 129	28.21	5.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.160											
ALTERNATE	3 441	916.67 917	414.12	179.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.161											
ALTERNATE	3 442	986.86 988	420.64	179.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.162											
ALTERNATE	3 443	890.15 891	381.00	164.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.163											
ALTERNATE	3 446	675.31 676	228.21	66.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.164											
ALTERNATE	3 448	1531.39 1533	608.74	227.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.165											
ALTERNATE	3 449	1473.31 1475	583.04	221.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.166											
ALTERNATE	3 450	379.32 379	133.91	42.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.167											
ALTERNATE	3 451	1645.34 1647	662.10	253.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.168											
ALTERNATE	3 452	1484.06 1485	599.59	233.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0

XSEC/STRUC NO.169											
ALTERNATE	3 454	1498.70 1500	599.68	233.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.170											
ALTERNATE	3 455	1750.08 1752	786.17	333.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.171											
ALTERNATE	3 456	1751.09 —	786.17	333.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.172											
ALTERNATE	3 457	1656.15 1658	706.38	301.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.173											
ALTERNATE	3 458	2085.47 2087	1099.48	576.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.174											
ALTERNATE	3 459	2085.51 2087	1099.49	576.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.175											
ALTERNATE	3 460	17.92 18	2.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.176											
ALTERNATE	3 461	2087.43 2089	1099.49	576.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.177											
ALTERNATE	3 462	1762.26 1764	820.79	436.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.178											
ALTERNATE	3 463	1875.14 1877	821.32	436.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.179											
ALTERNATE	3 464	1870.65 1872	807.15	426.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.180											
ALTERNATE	3 465	147.28 147	20.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.181											
ALTERNATE	3 466	1910.99 1913	816.41	426.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.182											
ALTERNATE	3 467	8038.25 8073	3980.05	1979.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.183											
ALTERNATE	3 468	8013.50 8049	3969.80	1977.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.184											
ALTERNATE	3 469	2249.10 2252	1244.52	707.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.185											
ALTERNATE	3 470	8601.60 8637	4331.67	2160.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0

XSEC/STRUC NO.186											
ALTERNATE	3 471	8550.94 8586	4306.94	2149.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.187											
ALTERNATE	3 472	1628.51 1630	885.43	478.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XSEC/STRUC NO.190											
ALTERNATE	3 473	8658.67 8694	4376.19	2195.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENDJOB CARD ENCOUNTERED. END OF JOB.