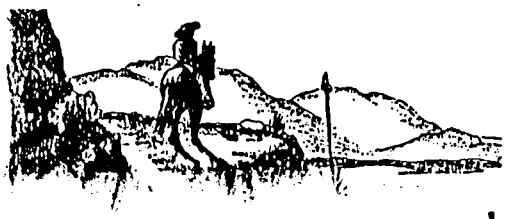
ADOBE MOUNTAIN

SKUNK CREEK

FLOODPLAIN REVISION

Property of
Flood Control District of MC Library
Please [illegible]
2801 W. [illegible]
Phoenix, AZ 85009



lar, Williams & White Engineering, Inc.

ADOBE MOUNTAIN

SKUNK CREEK

FLOODPLAIN REVISION

Submitted by
COLLAR, WILLIAMS & WHITE ENG., INC.
2702 N. 44TH STREET, SUITE 205-B
PHOENIX, AZ 85008

AUGUST, 1986

Collar, Williams & White Engineering

DONALD H. COLLAR, P.E., R.L.S.
President
ROBERT R. WAGONER, P.E., R.L.S.
Vice President

Consulting Engineers
2702 N. 44th Street, Suite 205-B
Phoenix, Arizona 85008
(602) 957-3350

August 8, 1986

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

Attn: Joe Tram

Re: Floodplain revision of Skunk Creek

Dear Mr. Tram:

Enclosed is a submittal package for the proposed floodplain revision of Skunk Creek. This package has been coordinated to answer each condition as set forth by FEMA in the "Conditions and Criteria for Map Revisions".

It is proposed to only revise that section of the Skunk Creek floodway fringe which crosses the Adobe Mountain Project at the northwest corner of Pinnacle Peak Road and 35th Avenue intersection. This area is located on FIRM Community Panel Number 0400370665 A in Maricopa County, Arizona.

The Adobe Mountain Project removed part of the floodway fringe area from the Skunk Creek 100 year floodplain through the use of fill. Also, through excavation and grading the hydraulic efficiency of the floodway channel in this area was improved. The project has not changed the floodway boundary of Skunk Creek.

We trust you will find this information complete and appreciate your prompt response to this matter. If you have any questions do not hesitate to contact Bob Mitchell, Project Manager or Collis Lovely, Chief Hydrologist at (602) 957-3350.

Respectfully submitted,

COLLAR, WILLIAMS & WHITE ENG., INC.

Robert S. Mitchell, P.E.
Project Manager

RSM:yh

enclosures

Scottsdale Office:
2922 N. 70th Street
Scottsdale, Arizona 85251
(602) 947-5433

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V. PROPOSED CHANGES IN FLOODPLAIN.....1
VI. RESPONSE TO "CONDITIONS AND CRITERIA FOR MAP REVISIONS.....3
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Appendix

1 - Title Insurance Policy
2 - HEC-2 Computer Printouts
a) 100-year Flood Profiles (Pre-development Corps Run Plus Existing Conditions)
b) 100-year Flood Profiles (Pre-development Corps Run Plus Existing Conditions with Full Encroachment)
c) 10-year Flood Profiles (Proposed Conditions)
d) 50-year Flood Profiles (Proposed Conditions)
e) 100-year Flood Profiles (Proposed Conditions)
f) 500-year Flood Profiles (Proposed Conditions)

Exhibits

#1 - As-Built Grading and Drainage Plans (3 sheets).....Pocket
#2 - Adobe Mountain Skunk Creek Flood Plain.....Pocket
(Original Conditions)
#3 - Adobe Mountain Skunk Creek Flood Plain.....Pocket
(Proposed Conditions)
#4 - Skunk Creek Water Surface Profiles (4 sheets).....Pocket
#5 - Adobe Mountain Aerial Topography.....Pocket

REQUEST FOR LETTER OF MAP REVISION

This is to request that a determination be made that the portion of the Adobe Mountain Project, currently defined in the floodway fringe, is no longer within the 100 year Floodplain of Skunk Creek.

All documents submitted in support of this appeal are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Signature:_____ Date:_____

INTRODUCTION

The Adobe Mountain Project is approximately 480 acres located west of 35th Avenue between Pinnacle Peak and Happy Valley Roads. Legally the East 1/2 and the East 1/2 of the West 1/2 of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base & Meridian, Maricopa County, Arizona. A variety of housing types, neighborhood shopping center, recreation, elementary education and employment opportunities are proposed for the development.

See the enclosed Vicinity Map and Key Map. (Figures 1 and 2)

Refer to the Title Insurance Policy enclosed in the Appendix.

PROPOSED CHANGES IN FLOODPLAIN

The site is primarily flat, sloping diagonally across the site approximately 0.5% from the northeast corner to the southwest corner. All drainage features are flat and broad in character.

The purpose of this request is to have a portion of the Adobe Mountain Project removed from the "A" Zone on the Flood Insurance Rate Map, Community Panel Number 040037 0665 A. As indicated on the as-built grading and drainage plans (sheets in the vicinity of Skunk Creek numbers 1, 6, and 7 of 9 are enclosed) (Exhibit No. 1) the area of the 100 year floodway fringe within the boundary of the property designated for single family housing will be filled to an elevation of 1.0 foot above the 100 year flood elevation. The remaining area shall be filled to an elevation equal to the proposed 100-year flood elevation as determined in this report. This is the west floodway fringe of Skunk Creek, or the area beyond the right bank if looking downstream. Excavation in the floodway ranges from 0 to 4 feet in depth and the height of the embankment ranges from 0 to 4 feet.

See the enclosed Plan View and Cross Section. (Figures 3 and 4)

The net effect of the channel modifications and proposed fill will not increase the elevation of the 100 year flood within the floodway by more than 1.0 foot at any point. The following backup information is enclosed to support this conclusion:

- A copy of the HEC-2 printout for the 100-year flood profile from the original study is enclosed in the appendix. Delineation of the original 100 and 500-year flood boundaries are shown on the enclosed topographic map. (Exhibit No. 2)

- Copies of the HEC-2 printouts for the proposed 10-, 50-, 100-, and 500-year flood profiles from the revision study are enclosed in the appendix.

- Delineation of the proposed 100- and 500-year flood boundaries and location and alignment of cross sections and flow line used are shown on the enclosed topographic map. (Exhibit No. 3)

- Copies of the currently effective flood profiles showing the existing and proposed flood elevations are enclosed. (Exhibit No. 4)

RESPONSE TO "CONDITIONS AND CRITERIA FOR MAP REVISIONS"

Condition Number 1

The FEMA guidelines require Maricopa County to endorse the revision request.

1.1 Enclosed is a letter from Maricopa County endorsing the revision request.

1.2 All technical data used to determine the new floodplain boundary is enclosed. The channel design includes permanent bank protection consisting of 4 inch thick concrete with 4 x 4 inch wire mesh reinforcement. This protection continues to a depth of 5 feet below the toe of the slope of the bank and up to an elevation equal to the water surface elevation proposed by these improvements. (See Section A-A on the As-Built Grading and Drainage Plans Exhibit No. 1).
Maintenance and/or operation provisions are not necessary.

1.3 Not applicable.

Condition Number 2

This revision request is not based on a mathematical or measurement error.

2.1 Not applicable

2.2 Not applicable

2.3 Not applicable

Condition Number 3

The Adobe Mountain Project has made new and better data available. This new data has been incorporated into our study.

3.1 We believe that an oversimplification of the effect of Pinnacle Peak Road was made during the existing FIS study, or Pinnacle Peak Road has been improved to a state where it would function as a weir during storm flows. This became clear on our detailed 1"=100' scale topographic map of the existing conditions.

3.2 This new more detailed information has been incorporated into the original pre-development condition Corps of Engineer HEC-2 run.

3.3 Not applicable

3.4 We are not aware of the control conditions of the Corps of Engineers topographic map. Our topographic map was flown with the intent to use for design purposes. The 1.0' contours have a guaranteed accuracy of ± 0.5'.

3.5 This Certified topographic map is enclosed. (Exhibit No. 5)

3.6 Documentation of these changes is provided in the Corps of Engineers 100 year pre-development HEC-2 run.

Discharge Decreases

Not applicable

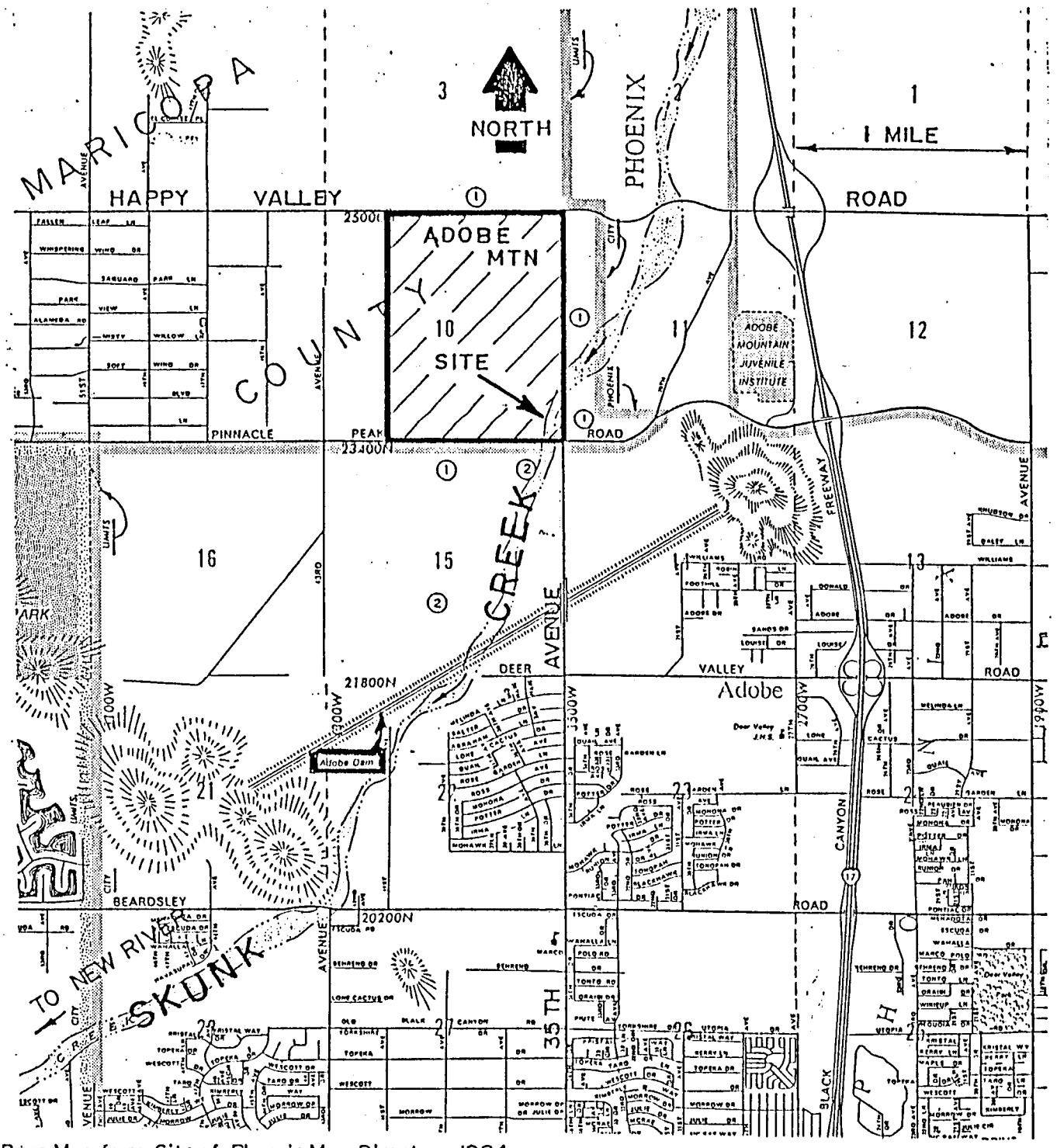
Discharge Increases

Not applicable

SUMMARY

The net effect of the proposed fill and removal of the west floodway fringe and the channel modifications will not increase the elevation of the 100-year flood within the floodway by more than 1.0 foot at any point. The floodway limits will remain the same and coincide with the new 100 year floodplain boundary.

Refer to enclosed Topographic Map and flood profiles. (Exhibits No. 3 and No. 5)



Base Map from City of Phoenix Map Directory 1984

PURPOSE: CHANNEL STORM WATER RUN-OFF

DATUM: MARICOPA COUNTY

ADJACENT PROPERTY OWNERS

1. ARIZONA STATE LAND DEPT.
2. MARICOPA COUNTY FLOOD CONTROL DISTRICT.

VICINITY MAP

THUNDERBIRD VALLEY PROPERTY PARTNERSHIP
8920 N. 23RD AVENUE
PHOENIX ARIZONA 85015

PURPOSED EXCAVATION & EMBANKMENT.

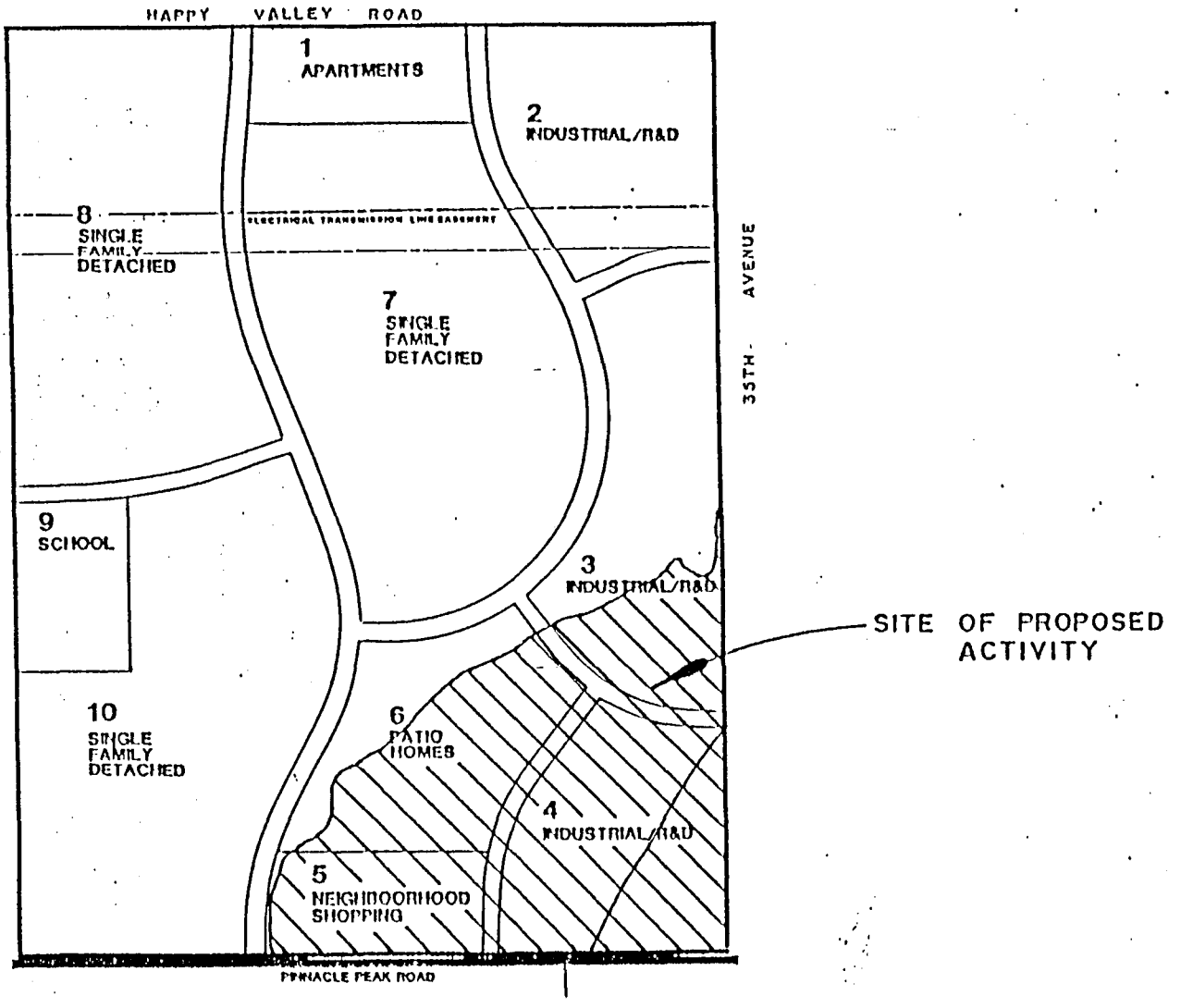
IN: SKUNK CREEK
AT: ADOBE MOUNTAIN
COUNTY: MARICOPA
STATE: ARIZONA
APPLICATION BY: COLLAR, WILLIAMS WHITE CONSULTING ENGINEERS.

SHEET 1 OF 4 DATE 12-13-85

FIGURE 1

ADOBE MOUNTAIN

EAST 3/4 OF SECTION 10,
T. 2 N., R. 4 E., G. & S. R. B. & M.,
MARICOPA COUNTY, ARIZONA.



PURPOSE: CHANNEL STORM WATER RUN-OFF
DATUM: MARICOPA COUNTY
ADJACENT PROPERTY OWNERS
1. ARIZONA STATE LAND DEPT.
2. MARICOPA COUNTY FLOOD CONTROL DISTRICT.

KEY MAP

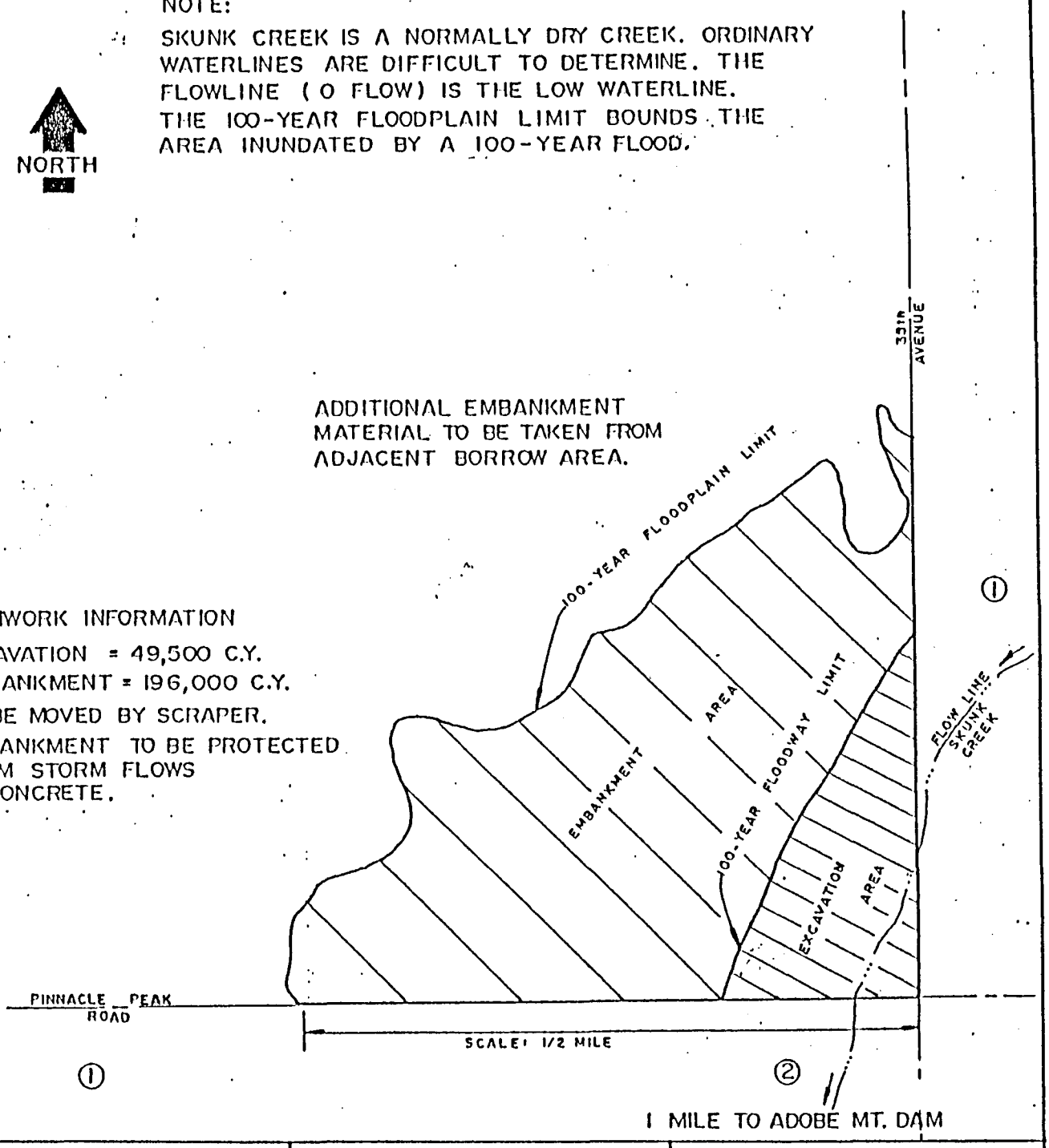
THUNDERBIRD VALLEY PROPERTY PARTNERSHIP
8920 N. 23RD AVENUE
PHOENIX ARIZONA 85015

PURPOSED EXCAVATION & EMBANKMENT.
IN: SKUNK CREEK
AT: ADOBE MOUNTAIN
COUNTY: MARICOPA
STATE: ARIZONA
APPLICATION BY: COLLAR, WILLIAMS WHITE CONSULTING ENGINEERS.
SHEET 2 OF 4 DATE 12-13-85

FIGURE 2

NOTE:

SKUNK CREEK IS A NORMALLY DRY CREEK. ORDINARY WATERLINES ARE DIFFICULT TO DETERMINE. THE FLOWLINE (0 FLOW) IS THE LOW WATERLINE. THE 100-YEAR FLOODPLAIN LIMIT BOUNDS THE AREA INUNDATED BY A 100-YEAR FLOOD.



EARTHWORK INFORMATION

1. EXCAVATION = 49,500 C.Y.
2. EMBANKMENT = 196,000 C.Y.
3. TO BE MOVED BY SCRAPER.
4. EMBANKMENT TO BE PROTECTED FROM STORM FLOWS BY CONCRETE.

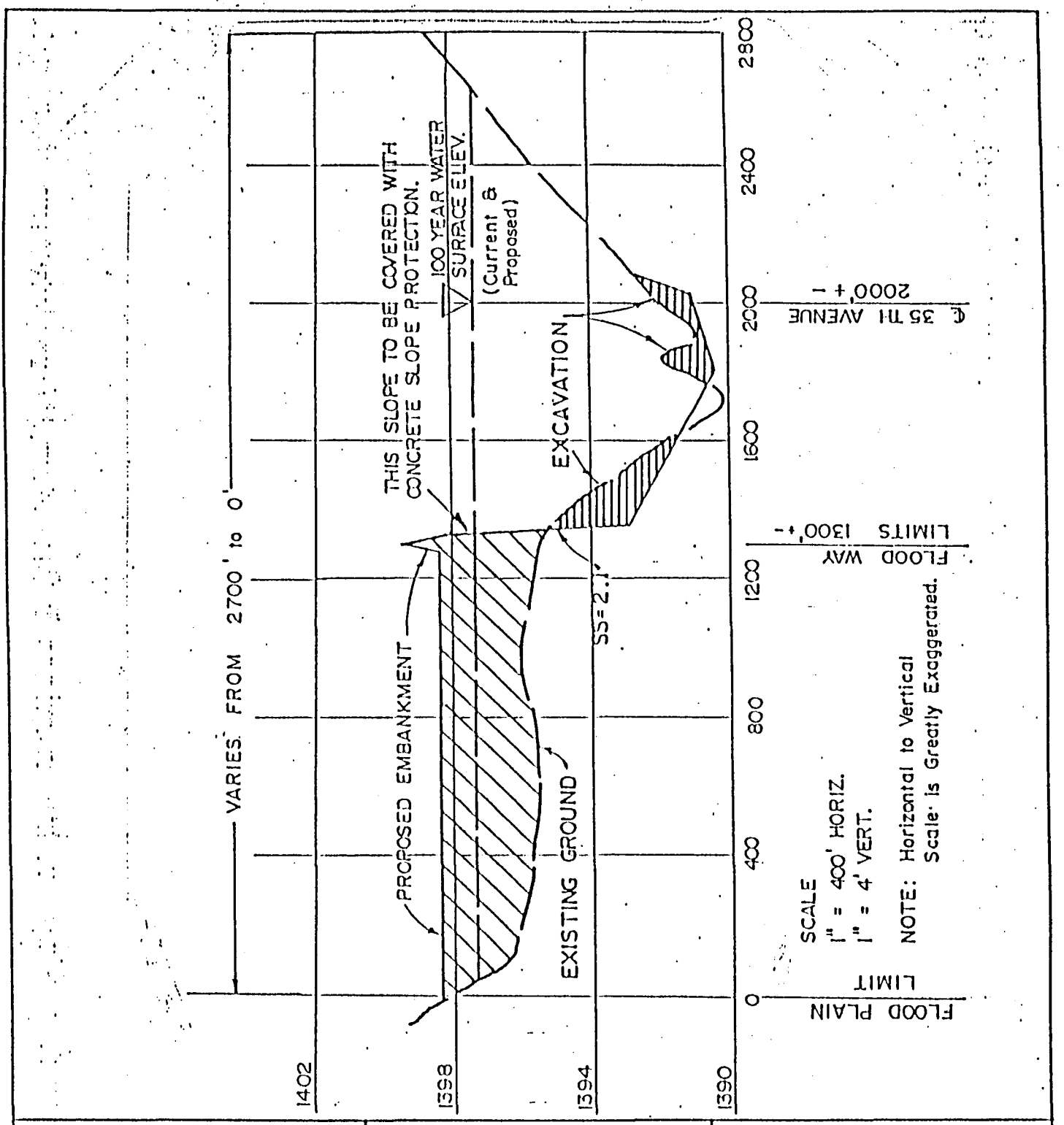
PURPOSE: CHANNEL STORM WATER RUN-OFF
DATUM: MARICOPA COUNTY
ADJACENT PROPERTY OWNERS
1. ARIZONA STATE LAND DEPT.
2. MARICOPA COUNTY FLOOD CONTROL DISTRICT.

PLAN VIEW

THUNDERBIRD VALLEY PROPERTY PARTNERSHIP
8920 N. 23RD AVENUE
PHOENIX ARIZONA 85015

PURPOSED EXCAVATION & EMBANKMENT.
IN: SKUNK CREEK
AT: ADOBE MOUNTAIN
COUNTY: MARICOPA
STATE: ARIZONA
APPLICATION BY: COLLAR, WILLIAMS WHITE CONSULTING ENGINEERS.
SHEET 3 OF 4 DATE 12-13-85

FIGURE 3



PURPOSE: CHANNEL STORM WATER RUN-OFF
DATUM: MARICOPA COUNTY
ADJACENT PROPERTY OWNERS
1. ARIZONA STATE LAND DEPT.
2. MARICOPA COUNTY FLOOD CONTROL DISTRICT.

CROSS SECTION

THUNDERBIRD VALLEY
PROPERTY PARTNERSHIP
8920 N. 23RD AVENUE
PHOENIX ARIZONA 85015

PURPOSED EXCAVATION & EMBANKMENT.
IN: SKUNK CREEK
AT: ADOBE MOUNTAIN
COUNTY: MARICOPA
STATE: ARIZONA
APPLICATION BY: COLLAR, WILLIAMS WHITE CONSULTING ENGINEERS.
SHEET 4 OF 4 DATE 12-13-85

FIGURE 4

APPENDIX

FATCOA-6216 (11/84)
ALTA Owner's Policy
Form B — 1970
(Amended 10-17-70
and 10-17-84)

POLICY OF TITLE INSURANCE

ISSUED BY

First American Title Insurance Company of Arizona

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS CONTAINED IN SCHEDULE B AND THE PROVISIONS OF THE CONDITIONS AND STIPULATIONS HEREOF, FIRST AMERICAN TITLE INSURANCE COMPANY OF ARIZONA, an Arizona corporation, herein called the Company, insures, as of Date of Policy shown in Schedule A, against loss or damage, not exceeding the amount of insurance stated in Schedule A, and costs, attorneys' fees and expenses which the Company may become obligated to pay hereunder, sustained or incurred by the insured by reason of:

1. title to the estate or interest described in Schedule A being vested otherwise than as stated therein;
2. any defect in or lien or encumbrance on such title;
3. lack of a right of access to and from the land; or
4. unmarketability of such title.

IN WITNESS WHEREOF, First American Title Insurance Company of Arizona has caused this policy to be signed and sealed by its duly authorized officers as of Date of Policy shown in Schedule A.

First American Title Insurance Company of Arizona

FIRST AMERICAN TITLE INSURANCE COMPANY OF ARIZONA
INCORPORATED
1892
ARIZONA

BY _____ PRESIDENT

ATTEST _____ SECRETARY

SCHEDULE OF EXCLUSIONS FROM COVERAGE

THE FOLLOWING MATTERS ARE EXPRESSLY EXCLUDED FROM THE COVERAGE OF THIS POLICY:

1. (a) GOVERNMENTAL POLICE POWER.

   (b) ANY LAW, ORDINANCE OR GOVERNMENTAL REGULATION RELATING TO ENVIRONMENTAL PROTECTION.

   (c) ANY LAW, ORDINANCE OR GOVERNMENTAL REGULATION (INCLUDING BUT NOT LIMITED TO BUILDING AND ZONING ORDINANCES) RESTRICTING OR REGULATING OR PROHIBITING THE OCCUPANCY, USE OR ENJOYMENT OF THE LAND, OR REGULATING THE CHARACTER, DIMENSIONS OR LOCATION OF ANY IMPROVEMENT NOW OR HEREAFTER ERECTED ON THE LAND, OR PROHIBITING A SEPARATION IN OWNERSHIP OR A CHANGE IN THE DIMENSIONS OR AREA OF THE LAND OR ANY PARCEL OF WHICH THE LAND IS OR WAS A PART.

   (d) THE EFFECT OF ANY VIOLATION OF THE MATTERS EXCLUDED UNDER (a), (b) or (c) ABOVE, UNLESS NOTICE OF A DEFECT, LIEN OR ENCUMBRANCE RESULTING FROM A VIOLATION HAS BEEN RECORDED AT DATE OF POLICY IN THOSE RECORDS IN WHICH UNDER STATE STATUTES DEEDS, MORTGAGES, LIS PENDENS, LIENS OR OTHER TITLE ENCUMBRANCES MUST BE RECORDED IN ORDER TO IMPART CONSTRUCTIVE NOTICE TO PURCHASERS OF THE LAND FOR VALUE AND WITHOUT KNOWLEDGE; PROVIDED, HOWEVER, THAT WITHOUT LIMITATION, SUCH RECORDS SHALL NOT BE CONSTRUED TO INCLUDE RECORDS IN ANY OF THE OFFICES OF FEDERAL, STATE OR LOCAL ENVIRONMENTAL PROTECTION, ZONING, BUILDING, HEALTH OR PUBLIC SAFETY AUTHORITIES.

2. RIGHTS OF EMINENT DOMAIN UNLESS NOTICE OF THE EXERCISE OF SUCH RIGHTS APPEARS IN THE PUBLIC RECORDS AT DATE OF POLICY.

3. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS, OR OTHER MATTERS (a) CREATED, SUFFERED, ASSUMED OR AGREED TO BY THE INSURED CLAIMANT; (b) NOT KNOWN TO THE COMPANY AND NOT SHOWN BY THE PUBLIC RECORDS BUT KNOWN TO THE INSURED CLAIMANT EITHER AT DATE OF POLICY OR AT THE DATE SUCH CLAIMANT ACQUIRED AN ESTATE OR INTEREST INSURED BY THIS POLICY AND NOT DISCLOSED IN WRITING BY THE INSURED CLAIMANT TO THE COMPANY PRIOR TO THE DATE SUCH INSURED CLAIMANT BECAME AN INSURED HEREUNDER; (c) RESULTING IN NO LOSS OR DAMAGE TO THE INSURED CLAIMANT; (d) ATTACHING OR CREATED SUBSEQUENT TO DATE OF POLICY; OR (e) RESULTING IN LOSS OR DAMAGE WHICH WOULD NOT HAVE BEEN SUSTAINED IF THE INSURED CLAIMANT HAD PAID VALUE FOR THE ESTATE OR INTEREST INSURED BY THIS POLICY.

CONDITIONS AND STIPULATIONS

1. DEFINITION OF TERMS

The following terms when used in this policy mean:

(a) "insured": the insured named in Schedule A, and, subject to any rights or defenses the Company may have had against the named insured, those who succeed to the interest of such insured by operation of law as distinguished from purchase including, but not limited to, heirs, distributees, devisees, survivors, personal representatives, next of kin, or corporate or fiduciary successors.

(b) "insured claimant": an insured claiming loss or damage hereunder.

(c) "knowledge": actual knowledge, not constructive knowledge or notice which may be imputed to an insured by reason of any public records.

(d) "land": the land described, specifically or by reference in Schedule A, and improvements affixed thereto which by law constitute real property; provided, however, the term "land" does not include any property beyond the lines of the area specifically described or referred to in Schedule A, nor any right, title, interest, estate or easement in abutting streets, roads, avenues, alleys, lanes, ways or waterways, but nothing herein shall modify or limit the extent to which a right of access to and from the land is insured by this policy.

(e) "mortgage": mortgage, deed of trust, trust deed, or other security instrument.

(f) "public records": those official title records which by the statutory law of the state where the land is located impart constructive notice of matters affecting real property. Public records does not include anything which may be disclosed by the search of any federal records including but not limited to the Federal register or the records maintained by the Bureau of Land Management and/or the Department of the Interior.

2. CONTINUATION OF INSURANCE AFTER CONVEYANCE OF TITLE

The coverage of this policy shall continue in force as of Date of Policy in favor of an insured so long as such insured retains an estate or interest in the land, or holds an indebtedness secured by a purchase money mortgage given by a purchaser from such insured, or so long as such insured shall have liability by reason of covenants of warranty made by such insured in any transfer or conveyance of such estate or interest; provided, however, this policy shall not continue in force in favor of any purchaser from such insured of either said estate or interest or the indebtedness secured by a purchase money mortgage given to such insured.

3. DEFENSE AND PROSECUTION OF ACTIONS – NOTICE OF CLAIM TO BE GIVEN BY AN INSURED CLAIMANT

(a) The Company, at its own cost and without undue delay, shall provide for the defense of an insured in all litigation consisting of actions or proceedings commenced against such insured, or a defense interposed against an insured in an action to enforce a contract for a sale of the estate or interest in said land, to the extent that such litigation is founded upon an alleged defect, lien, encumbrance, or other matter insured against by this policy.

(b) The insured shall notify the Company promptly in writing (i) in case any action or proceeding is begun or defense is interposed as set forth in (a) above, (ii) in case knowledge shall come to an insured hereunder of any claim of title or interest which is adverse to the title to the estate or interest, as insured, and which might cause loss or damage for which the Company may be liable by virtue of this policy, or (iii) if title to the estate or interest, as insured, is rejected as unmarketable. If such prompt notice shall not be given to the Company, then as to such insured all liability of the Company shall cease and terminate in regard to the matter or matters for which such prompt notice is required; provided, however, that failure to notify shall in no case prejudice the rights of any such insured under this policy unless the Company shall be prejudiced by such failure and then only to the extent of such prejudice.

(c) The Company shall have the right at its own cost to institute and without undue delay prosecute any action or proceeding or to do any other act which in its opinion may be necessary or desirable to establish the title to the estate or interest as insured, and the Company may take any appropriate action under the terms of this policy, whether or not it shall be liable thereunder, and shall not thereby concede liability or waive any provision of this policy.

(d) Whenever the Company shall have brought any action or interposed a defense as required or permitted by the provisions of this policy, the Company may pursue any such litigation to final determination by a court of competent jurisdiction and expressly reserves the right, in its sole discretion, to appeal from any adverse judgment or order.

(e) In all cases where this policy permits or requires the Company to prosecute or provide for the defense of any action or proceeding, the insured hereunder shall secure to the Company the right to so prosecute or provide defense in such action or proceeding, and all appeals therein, and permit the Company to use, at its option, the name of such insured for such purpose. Whenever requested by the Company, such insured shall give the Company all reasonable aid in any such action or proceeding, in effecting settlement, securing evidence, obtaining witnesses, or prosecuting or defending such action or proceeding, and the Company shall reimburse such insured for any expense so incurred.

4. NOTICE OF LOSS – LIMITATION OF ACTION

In addition to the notices required under paragraph 3(b) of these Conditions and Stipulations, a statement in writing of any loss or damage for which it is claimed the Company is liable under this policy shall be furnished to the Company within 90 days after such loss or damage shall have been determined and no right of action shall accrue to an insured claimant until 30 days after such statement shall have been furnished. Failure to furnish such statement of loss or damage shall terminate any liability of the Company under this policy as to such loss or damage.

5. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS

The Company shall have the option to pay or otherwise settle for or in the name of an insured claimant any claim insured against or to terminate all liability and obligations of the Company hereunder by paying or tendering payment of the amount of insurance under this policy together with any costs, attorneys' fees and expenses incurred up to the time of such payment or tender of payment, by the insured claimant and authorized by the Company.

6. DETERMINATION AND PAYMENT OF LOSS

(a) The liability of the Company under this policy shall in no case exceed the least of:

(i) the actual loss of the insured claimant; or

(ii) the amount of insurance stated in Schedule A.

(b) The Company will pay, in addition to any loss insured against by this policy, all costs imposed upon an insured in litigation carried on by the Company for such insured, and all costs, attorneys' fees and expenses in litigation carried on by such insured with the written authorization of the Company.

(c) When liability has been definitely fixed in accordance with the conditions of this policy, the loss or damage shall be payable within 30 days thereafter.

(Continued on inside back cover)

CONDITIONS AND STIPULATIONS

(Continued from inside front cover)

7. LIMITATION OF LIABILITY

No claim shall arise or be maintainable under this policy (a) if the Company, after having received notice of an alleged defect, lien or encumbrance insured against hereunder, by litigation or otherwise, removes such defect, lien or encumbrance or establishes the title, as insured, within a reasonable time after receipt of such notice; (b) in the event of litigation until there has been a final determination by a court of competent jurisdiction, and disposition of all appeals therefrom, adverse to the title, as insured, as provided in paragraph 3 hereof; or (c) for liability voluntarily assumed by an insured in settling any claim or suit without prior written consent of the Company.

8. REDUCTION OF LIABILITY

All payments under this policy, except payments made for costs, attorneys' fees and expenses, shall reduce the amount of the insurance pro tanto. No payment shall be made without producing this policy for endorsement of such payment unless the policy be lost or destroyed, in which case proof of such loss or destruction shall be furnished to the satisfaction of the Company.

9. LIABILITY NONCUMULATIVE

It is expressly understood that the amount of insurance under this policy shall be reduced by any amount the Company may pay under any policy insuring either (a) a mortgage shown or referred to in Schedule B hereof which is a lien on the estate or interest covered by this policy, or (b) a mortgage hereafter executed by an insured which is a charge or lien on the estate or interest described or referred to in Schedule A, and the amount so paid shall be deemed a payment under this policy. The Company shall have the option to apply to the payment of any such mortgages any amount that otherwise would be payable hereunder to the insured owner of the estate or interest covered by this policy and the amount so paid shall be deemed a payment under this policy to said insured owner.

10. APPORTIONMENT

If the land described in Schedule A consists of two or more parcels which are not used as a single site, and a loss is established affecting one or more of said parcels but not all, the loss shall be computed and settled on a pro rata basis as if the amount of insurance under this policy was divided pro rata as to the value on Date of Policy of each separate parcel to the whole, exclusive of any improvements made subsequent to Date of Policy, unless a liability or value has otherwise been agreed upon as to each such parcel by the Company and the insured at the time of the issuance of this policy and shown by an express statement herein or by an endorsement attached hereto.

11. SUBROGATION UPON PAYMENT OR SETTLEMENT

Whenever the Company shall have settled a claim under this policy, all right of subrogation shall vest in the Company unaffected by any act of the insured claimant. The Company shall be subrogated to and be entitled to all rights and remedies which such insured claimant would have had against any person or property in respect to such claim had this policy not been issued, and if requested by the Company, such insured claimant shall transfer to the Company all rights and remedies against any person or property necessary in order to perfect such right of subrogation and shall permit the Company to use the name of such insured claimant in any transaction or litigation involving such rights or remedies. If the payment does not cover the loss of such insured claimant, the Company shall be subrogated to such rights and remedies in the proportion which said payment bears to the amount of said loss. If loss should result from any act of such insured claimant, such act shall not void this policy, but the Company, in that event, shall be required to pay only that part of any losses insured against hereunder which shall exceed the amount, if any, lost to the Company by reason of the impairment of the right of subrogation.

12. LIABILITY LIMITED TO THIS POLICY

This instrument together with all endorsements and other instruments, if any, attached hereto by the Company is the entire policy and contract between the insured and the Company.

Any claim of loss or damage, whether or not based on negligence, and which arises out of the status of the title to the estate or interest covered hereby or any action asserting such claim, shall be restricted to the provisions and conditions and stipulations of this policy.

No amendment of or endorsement to this policy can be made except by writing endorsed hereon or attached hereto signed by either the President, a Vice President, the Secretary, an Assistant Secretary, or validating officer or authorized signatory of the Company.

13. NOTICES, WHERE SENT

All notices required to be given the Company and any statement in writing required to be furnished the Company shall be addressed to it at its main office at 111 West Monroe, Phoenix, Arizona 85003.

SEP 3 1985

First American Title Insurance Company of Arizona

111 WEST MONROE · PHOENIX, ARIZONA 85003 · 602-252-5941

THUNDERBIRD VALLEY PROPERTY PARTNERS
c/o 8920 N. 23rd Ave.
Phoenix, Arizona 85021

Policy No. 810132

Dear — CUSTOMERS;

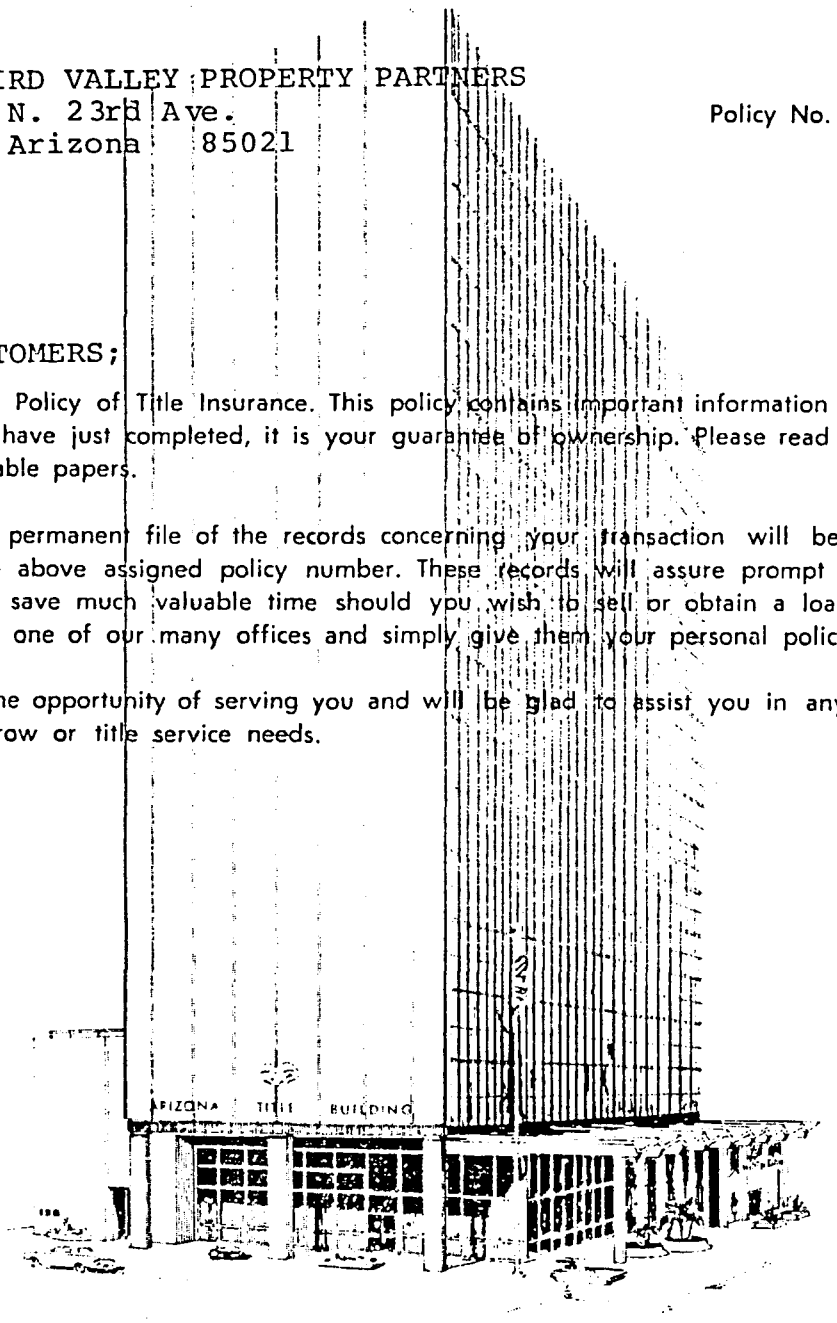
Enclosed is your Policy of Title Insurance. This policy contains important information about the Real Estate Transaction you have just completed, it is your guarantee of ownership. Please read it and retain it with your other valuable papers.

A complete and permanent file of the records concerning your transaction will be maintained in our office under the above assigned policy number. These records will assure prompt processing of future title orders and save much valuable time should you wish to sell or obtain a loan on your property. Visit or call any one of our many offices and simply give them your personal policy file number.

We appreciate the opportunity of serving you and will be glad to assist you in any way in regard to your future escrow or title service needs.

Enclosure

rjw



FATCOA 6009

FIRST AMERICAN TITLE INSURANCE COMPANY OF ARIZONA

SCHEDULE A

Policy No. 208-01-810132

Policy Amount: $20,939,832.14

Effective Date: July 10, 1985
To include 85-319527

Type of Coverage: A.L.T.A. STANDARD OWNER'S

1. Name of Insured:

THUNDERBIRD VALLEY PROPERTY PARTNERS, an Arizona general partnership

2. Your interest in the land covered by this Policy is fee.

3. Title to the fee estate is vested in:

THUNDERBIRD VALLEY PROPERTY PARTNERS, an Arizona general partnership

4. The land referred to in this Policy is located in Maricopa County, Arizona, and is described as:

SEE ATTACHED EXHIBIT "A"

EXHIBIT "A"

Policy No. 208-01-810132

Parcel No. 1:

The East half of the Northwest quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 2:

The Southwest quarter of the Northeast quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 3:

The Northwest quarter of the Northeast quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 4:

The West half of the Southeast quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 5:

The South half of the Northeast quarter of the Southwest quarter and the Southeast quarter of the Southwest quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 6:

The East half of the East half of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

Parcel No. 7:

The North half of the Northeast quarter of the Southwest quarter of Section 10, Township 4 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

ALTA Standard Coverage Policy
FATCOA 6007 Rev. 5-81

SCHEDULE B

This policy does not insure against loss or damage, nor against costs, attorneys' fees or expenses, any or all of which arise by reason of the following:

Part One:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

2. Any facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water.

6. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown by the public records.

SCHEDULE B

Policy No. 208-01-810132

A. 1985 taxes, a lien not yet payable.

1. A plat recorded in Book 6, Page 45, of Road Maps, purporting to show a county roadway. (Parcel Nos. 4, 5 and 6)

2. A plat recorded in Book 16, Page 71, of Road Maps, purporting to show a county roadway. (Parcel Nos. 4, 5 and 6)

3. An easement for electric lines and poles and rights incident thereto as set forth in instrument recorded in Docket 27, Page 546. (Parcel No. 6)

4. An easement for electric lines and poles and rights incident thereto as set forth in instrument recorded in Docket 73, Page 491. (Parcel Nos. 4 and 5)

5. An easement for roadway and rights incident thereto as disclosed in instrument recorded in Docket 938, Page 397 and 400. (Parcel No. 6)

6. An easement for electric lines and poles and rights incident thereto as set forth in instrument recorded September 24, 1963, in Docket 4740, Page 559. (Parcel No. 6)

7. An easement for electric lines and poles and rights incident thereto as set forth in instrument recorded September 24, 1963, in Docket 4740, Page 560. (Parcel No. 6)

8. An easement for road or highway and rights incident thereto as set forth in instrument recorded January 6, 1966, in Docket 5872, Page 126. (Parcel No. 6)

9. An easement for road or highway and rights incident thereto as set forth in instrument recorded January 6, 1966, in Docket 5872, Page 128. (Parcel Nos. 4 and 5)

10. An easement for electric transmission lines and appurtenant facilities, telephone, signal, and communication purposes and rights incident thereto as set forth in instrument recorded May 5, 1966, in Docket 6034, Page 89 and 90. (Parcel No. 1)

11. An easement for electric transmission lines and appurtenant facilities, telephone, signal, and communication purposes and rights incident thereto as set forth in instrument recorded May 9, 1966, in Docket 6038, Page 116. (Parcel No. 3)

12. An easement for telephone and telegraph lines and appurtenant facilities, telephone, signal and communication purposes and rights incident thereto as set forth in instrument recorded September 30, 1968, in Docket 7286, Page 640. (Parcel No. 6)

CONTINUE. . . .

13. An easement for transmission lines and towers and rights incident thereto as set forth in instrument recorded August 22, 1966, in Docket 6185, Page 332. (Parcel No. 6)

14. An easement for temporary channel construction and rights incident thereto as set forth in instrument recorded October 14, 1966, in Docket 6265, Page 378. (Parcel No. 6)

15. An easement for highway purposes and rights incident thereto as set forth in instrument recorded May 16, 1985 in 85-225428, Official Records. (Parcel 4, 5 & 6)

16. An easement for sewer line and rights incident thereto as set forth in instrument recorded June 24, 1985 in 85-291096, Official Records. (Parcel No. 5)

17. A Deed of Trust given to secure an indebtedness in the original principal amount of $15,704.874.00, dated July 10, 1985, recorded July 10, 1985, in 85-319527, Official Records.

    TRUSTOR : THUNDERBIRD VALLEY PROPERTY PARTNERS, an Arizona general partnership

    TRUSTEE : SOUTHWEST SAVINGS AND LOAN ASSOCIATION, an Arizona corporation

    BENEFICIARY: SOUTHWEST SAVINGS AND LOAN ASSOCIATION, an Arizona corporation

HEC-2
COMPUTER PRINTOUTS

100-YEAR FLOOD PROFILES

Pre-development Corps Run
Plus Existing Conditions

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF NOVEMBER 1976                         *
*  UPDATED MAY 1984                                 *
*  IBM-PC-XT VERSION                                *
*  RUN DATE  01/01/80  TIME  00:10:55               *
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*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 440-2105 (FTS) 448-2105    *
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X     X  XXXXXXX  XXXXX             XXXXX
X     X  X       X     X           X     X
X     X  X       X                 X     X
XXXXXXX  XXXX    X         XXXXX    XXXXX
X     X  X       X                 X
X     X  X       X     X           X
X     X  XXXXXXX  XXXXX             XXXXXXX
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THIS RUN EXECUTED 01/01/80 00:10:56

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
**************************************************

T1      TEST PROGRAM FLOODWAY STUDY SKUNK CREEK
T2      ADOBE SUBDIVISION
T3      SKUNK CREEK 100YR FLOOD Q=39000 MATCH PRE-DEVEL COE RUN PLUS EXIST COND

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0.       2.       0.       0.   .000000     .00      .0       0.  1377.800    .000

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    -1.000    .000     .000     .000     .000     .000     .000     .000     .000     .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000   1.000   52.000    4.000   55.000   26.000   56.000   13.000   15.000   27.000

    21.000  22.000   28.000     .000  110.000     .000  200.000     .000     .000     .000

NC      .045      .045      .035      .100      .300      .000      .000      .000      .000      .000
QT     2.000 39000.000 39000.000      .000      .000      .000      .000      .000      .000      .000
ET     8.690      .000     6.100      .000      .000     820.000  2420.000      .000      .000      .000
X1     8.690    19.000  1979.000  2118.000      .000      .000      .000      .000      .000      .000
GR  1380.000   452.000  1378.000   815.000  1378.000   877.000  1378.000   990.000  1378.000  1448.000
GR  1376.000  1481.000  1372.000  1542.000  1374.000  1675.000  1376.000  1727.000  1376.000  1979.000
GR  1369.800  2000.000  1370.000  2038.000  1372.000  2100.000  1376.000  2118.000  1376.200  2181.000
GR  1376.000  2278.000  1376.000  3560.000  1378.000  3560.000  1380.000  3890.000      .000      .000

ET     8.750      .000     6.100      .000      .000     900.000  2290.000      .000      .000      .000
X1     8.750    26.000  1800.000  2040.000   835.000   733.000   739.000      .000      .000      .000
GR  1390.000   170.000  1388.000   235.000  1386.000   420.000  1384.000   510.000  1383.000   820.000
GR  1382.000  1190.000  1382.000  1435.000  1384.000  1470.000  1384.000  1490.000  1382.000  1500.000
GR  1380.000  1560.000  1378.000  1573.000  1378.000  1600.000  1380.000  1625.000  1378.000  1740.000
GR  1378.000  1790.000  1376.000  1800.000  1376.000  1958.000  1372.000  1975.000  1371.000  2000.000
GR  1380.000  2040.000  1381.000  2290.000  1382.000  2650.000  1382.000  3790.000  1384.000  4050.000
GR  1386.000  4190.000      .000      .000      .000      .000      .000      .000      .000      .000

ET     8.890     4.100     6.100   870.000  3730.000  1280.000  2470.000      .000      .000      .000
X1     8.890    21.000  1900.000  2240.000   565.000   650.000   840.000      .000      .000      .000
GR  1392.000   675.000  1386.000   780.000  1386.000  1765.000  1384.000  1775.000  1384.000  1805.000
GR  1386.000  1815.000  1384.000  1865.000  1384.000  1900.000  1382.000  1950.000  1382.000  1970.000
GR  1378.000  2000.000  1380.000  2030.000  1382.000  2090.000  1382.000  2230.000  1384.000  2240.000
GR  1386.000  2260.000  1387.000  3440.000  1386.500  3770.000  1387.000  4080.000  1388.000  4230.000
GR  1390.000  4440.000      .000      .000      .000      .000      .000      .000      .000      .000
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ET	8.965	4.100	6.100	1085.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1370.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.090	24.000	1720.000	2645.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.200	1630.000	1393.400	1720.000	1392.700	1748.000	1391.800	1787.000	1390.100	1855.000
GR	1388.400	1935.000	1387.700	1980.000	1388.200	2055.000	1389.000	2135.000	1391.100	2235.000
GR	1392.400	2315.000	1392.700	2415.000	1392.700	2475.000	1393.100	2520.000	1392.900	2645.000
GR	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000	1398.000	4720.000	.000	.000
ET	9.100	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.100	.000	1720.000	2645.000	1.000	1.000	1.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.115	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.115	20.000	1710.000	2315.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.400	1630.000	1393.800	1710.000
GR	1392.800	1755.000	1391.300	1820.000	1388.400	1920.000	1388.000	1970.000	1387.900	2020.000
GR	1389.000	2120.000	1391.200	2220.000	1392.600	2315.000	1393.000	2435.000	1393.100	2520.000
GR	1392.900	2645.000	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000	1398.000	4720.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.190	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.190	21.000	1670.000	2645.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1394.200	1530.000
GR	1394.000	1640.000	1394.000	1670.000	1391.400	1805.000	1389.000	1895.000	1387.500	1975.000
GR	1387.200	2020.000	1389.600	2155.000	1391.100	2220.000	1392.600	2315.000	1392.600	2415.000
GR	1392.600	2495.000	1392.900	2645.000	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000
GR	1398.000	4720.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.200	.000	1670.000	2645.000	1.000	1.000	1.000	.000	.000	.000
NC	.000	.040	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1385.000	2950.000	1380.000	2595.000	.000	.000	.000
X1	9.210	37.000	1865.000	2190.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1392.000	1920.000	1392.000	1930.000	1390.000	1950.000	1388.500	2000.000
GR	1390.000	2085.000	1392.000	2180.000	1394.000	2190.000	1394.000	2200.000	1392.000	2210.000
GR	1392.000	2225.000	1394.000	2230.000	1394.700	2450.000	1395.000	3250.000	1396.000	4050.000
GR	1398.000	4430.000	1399.500	4600.000	.000	.000	.000	.000	.000	.000
NH	4.000	.045	1930.000	.035	2115.000	.050	3030.000	.040	3660.000	.000
ET	9.310	4.100	6.100	1110.000	2560.000	1280.000	2400.000	.000	.000	.000
X1	9.310	29.000	1930.000	2115.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1394.000	1940.000	1392.000	1980.000	1392.000	2000.000	1392.000	2010.000
GR	1392.000	2040.000	1392.000	2090.000	1394.000	2105.000	1396.000	2115.000	1398.000	2160.000
GR	1398.000	2280.000	1394.000	3030.000	1400.000	3530.000	1402.000	3660.000	.000	.000
NH	4.000	.040	1940.000	.035	2200.000	.050	2300.000	.040	4100.000	.000
ET	9.400	4.100	6.100	980.000	2400.000	1330.000	2400.000	.000	.000	.000
X1	9.400	33.000	1940.000	2200.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2300.000
GR	1400.000	2390.000	1400.000	2400.000	1402.000	2450.000	1404.000	2680.000	1404.000	2870.000
GR	1404.000	3300.000	1406.000	3790.000	1408.000	4100.000	.000	.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	325.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.000	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2085.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1423.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
NC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1680.000	1450.000	1740.000	1451.000	1850.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2880.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690
3720 CRITICAL DEPTH ASSUMED
     8.69      8.44  1378.24  1378.24  1377.80  1379.34      1.10       .00       .00  1376.00
   39000.    11672.    12168.    15160.     1889.     955.    3222.       0.        0.   1376.00
      .00      6.18     12.75      4.71      .045     .035     .045      .000  1369.80   771.11
  .006997        0.        0.        0.         0        7        0       .00  2828.79  3599.90

*SECNO 8.750

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     8.75     12.33  1383.33  1383.33       .00  1384.43      1.10      4.03       .00  1376.00
   39000.     8827.    20988.     9185.     1947.    1926.    2999.      114.       53.   1380.00
      .03      4.53     10.90      3.06      .045     .035     .045      .000  1371.00   717.45
  .004134      835.      739.      733.         2       11        0       .00  3210.50  3963.01

*SECNO 8.890
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     870.0    3730.0  TYPE=     1  TARGET=    2860.000
     8.89     10.06  1388.06  1388.06       .00  1389.09      1.04      3.29       .01  1384.00
   39000.     9384.    22673.     6943.     2317.    2209.    2266.      220.       98.   1384.00
      .06      4.05     10.27      3.06      .045     .035     .045      .000  1378.00   870.00
  .004833      565.      840.      650.         3       14        0       .00  2860.00  3730.00

*SECNO 8.965
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1085.0    3575.0  TYPE=     1  TARGET=    2490.000
     8.97      9.85  1390.85  1390.85       .00  1391.91      1.06      1.88       .01  1388.00
   39000.     9151.    23074.     6775.     2074.    2259.    1878.      274.      120.   1388.00
      .07      4.41     10.22      3.61      .045     .035     .045      .000  1381.00  1085.00
  .005296      275.      400.      410.         2        6        0       .00  2490.00  3575.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.050

3470 ENCROACHMENT STATIONS=    1370.0    3415.0  TYPE=     1  TARGET=    2045.000
     9.05     11.05  1393.05      .00       .00  1393.68     .63      1.72      .04  1388.00
   39000.     9703.   16281.   13016.     2202.    1867.   3720.      344.     141.  1390.00
      .09      4.41     8.72     3.50      .045     .035    .045      .000  1382.00  1370.00
  .002688      410.     550.     370.         2        0       0       .00  2045.00  3415.00

*SECNO 9.090

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     110.0    3465.0  TYPE=     1  TARGET=    3355.000
     9.09      6.68  1394.38  1394.38       .00  1395.66    1.29      1.55      .20  1393.40
   39000.      161.   31148.    7691.       86.    3159.   1514.      390.     156.  1392.90
      .10      1.88     9.86     5.08      .045     .035    .045      .000  1387.70  1453.33
  .010492      328.     348.     278.         3       14       0       .00  2011.67  3465.00

*SECNO 9.100

3470 ENCROACHMENT STATIONS=     110.0    3465.0  TYPE=     1  TARGET=    3355.000
     9.10      7.06  1394.76      .00       .00  1395.71     .95       .01      .03  1393.40
   39000.      435.   30045.    8520.      210.    3518.   1832.      390.     156.  1392.90
      .10      2.07     8.54     4.65      .045     .035    .045      .000  1387.70  1346.45
  .006815        1.       1.       1.         7        0       0       .00  2118.54  3465.00

*SECNO 9.115

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     110.0    3465.0  TYPE=     1  TARGET=    3355.000
     9.11      7.05  1394.95  1394.95       .00  1396.59    1.63       .07      .21  1393.80
   39000.      141.   32352.    6507.      160.    2886.   2647.      392.     157.  1392.60
      .10       .88    11.21     2.46      .045     .016    .045      .000  1387.90  1295.49
  .001814       22.      22.      22.        20        5       0       .00  2169.51  3465.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.190

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=     110.0    3465.0  TYPE=     1  TARGET=    3355.000
     9.19      9.28  1396.48      .00       .00  1396.78     .29       .06       .13  1394.00
   39000.     2789.   26263.    9948.     1593.    5336.    3240.     399.      159.   1392.90
      .10      1.75     4.92     3.07      .045     .035     .045     .000  1387.20   593.47
  .001394       37.      37.      37.         4        0        0      .00  2871.53  3465.00

*SECNO 9.200

3470 ENCROACHMENT STATIONS=     110.0    3465.0  TYPE=     1  TARGET=    3355.000
     9.20      9.29  1396.49      .00       .00  1396.78     .29       .00       .00  1394.00
   39000.     2793.   26258.    9949.     1595.    5338.    3242.     399.      159.   1392.90
      .10      1.75     4.92     3.07      .045     .035     .045     .000  1387.20   593.15
  .001391        1.       1.       1.         0        0        0      .00  2871.85  3465.00

*SECNO 9.210

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1385.0    2950.0  TYPE=     1  TARGET=    1565.000
     9.21      8.65  1397.15  1397.15       .00  1398.50    1.35      1.31       .32  1394.00
   39000.     4771.   23555.   10674.     1051.    2094.    1963.     488.      183.   1394.00
      .12      4.54    11.25     5.44      .045     .035     .040     .000  1388.50  1385.00
  .005862      422.     562.      462.         2       10        0      .00  1565.00  2950.00

1490 NH CARD USED
*SECNO 9.310
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1110.0    2560.0  TYPE=     1  TARGET=    1450.000
     9.31      9.19  1401.19  1401.19       .00  1402.81    1.62      3.22       .08  1398.00
   39000.     9248.   20777.    8974.     2027.    1575.    1673.     549.      200.   1396.00
      .14      4.56    13.19     5.36      .045     .035     .050     .000  1392.00  1110.00
  .005600      400.     650.      480.         3        8        0      .00  1450.00  2560.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 9.400

3470 ENCROACHMENT STATIONS=     980.0    2400.0  TYPE=     1  TARGET=    1420.000
     9.40      9.78  1403.78      .00       .00  1405.28    1.50      2.46       .01  1402.00
   39000.    12378.   23931.    2691.     2398.    2012.    566.      600.      213.   1400.00
      .15      5.16     11.89     4.76      .040     .035    .044      .000  1394.00   980.00
  .005169     370.     510.     420.         3        0       0       .00  1420.00  2400.00

1490 NH CARD USED
*SECNO 9.480

3470 ENCROACHMENT STATIONS=    1170.0    2470.0  TYPE=     1  TARGET=    1300.000
     9.48     10.43  1406.43      .00       .00  1407.71    1.28      2.41       .02  1404.00
   39000.     6549.   30321.    2130.     1600.    3019.    483.      650.      226.   1402.00
      .17      4.09     10.04     4.41      .045     .045    .050      .000  1396.00  1170.00
  .005386     370.     490.     420.         2        0       0       .00  1300.00  2470.00

*SECNO 9.580

3470 ENCROACHMENT STATIONS=    1600.0    2535.0  TYPE=     1  TARGET=     935.000
     9.58     10.14  1408.64      .00       .00  1410.41    1.76      2.55       .15  1407.00
   39000.     2616.   31849.    4536.      632.    2771.    721.      697.      236.   1406.00
      .18      4.14     11.49     6.29      .045     .035    .045      .000  1398.50  1600.00
  .006132     390.     450.     460.         2        0       0       .00   935.00  2535.00

*SECNO 9.670

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1770.0    2480.0  TYPE=     1  TARGET=   -1770.000
     9.67     11.69  1411.69  1411.69       .00  1414.27    2.58      2.96       .25  1408.00
   39000.     2035.   13899.   23066.      411.     832.   2191.      733.      244.   1408.00
      .19      4.95     16.71    10.53      .045     .035    .045      .000  1400.00  1770.00
  .008309     470.     410.     420.         2        8       0       .00   641.41  2411.41
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.750
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75     13.72  1415.42  1415.42       .00  1418.41      3.00      2.84       .12  1410.00
   39000.     4148.   23069.   11783.      627.    1379.     1357.      764.      250.   1410.00
      .19      6.62     16.72     8.68      .045      .035      .045      .000   1401.70  1742.92
  .006438      390.      370.     410.        20        11         0       .00    547.01  2289.93

*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     15.71  1418.71       .00       .00  1420.76      2.05      2.25       .09  1414.00
   39000.     4667.   29924.    4409.      865.    2352.      700.      805.      256.   1410.00
      .21      5.39     12.72     6.29      .045      .035      .045      .000   1403.00  1762.35
  .003512      500.      480.     490.         2         0         0       .00    529.25  2291.60

*SECNO 9.940
     9.94     14.54  1420.54       .00       .00  1422.42      1.89      1.65       .02  1410.00
   39000.    10191.   25414.    3395.     1454.    1992.      599.      849.      261.   1412.00
      .22      7.01     12.76     5.66      .045      .035      .045      .000   1406.00  1752.15
  .003139      430.      520.     470.         2         0         0       .00    505.85  2258.00

*SECNO 10.040
    10.04     13.23  1422.23       .00       .00  1424.11      1.88      1.69       .00  1414.00
   39000.     3275.   32028.    3697.      539.    2695.      749.      899.      268.   1414.00
      .23      6.08     11.88     4.94      .045      .035      .045      .000   1409.00  1820.96
  .003118      540.      540.     540.         2         0         0       .00    553.66  2374.62

*SECNO 10.120

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.12     11.74  1423.24  1423.24       .00  1426.51      3.27      1.62       .41  1414.00
   39000.     2730.   32821.    3449.      418.    2109.      553.      931.      273.   1416.00
      .24      6.53     15.56     6.24      .045      .035      .045      .000   1411.50  1753.78
  .005823      450.      380.     420.         4        11         0       .00    536.13  2289.91
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.210
    10.21     11.15   1426.65       .00       .00   1429.44      2.79      2.88       .05   1420.00
   39000.     1600.    24565.    12835.      237.     1583.     1445.      965.      279.    1418.00
      .25      6.76     15.52      8.88      .045      .035      .045      .000   1415.50   1806.43
  .006835      490.      450.      475.         4         0         0       .00    523.44   2329.87

*SECNO 10.300

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.30      9.78   1430.58   1430.58       .00   1432.76      2.19      3.25       .06   1424.00
   39000.     1381.    26114.    11505.      201.     1891.     1837.     1001.      286.    1424.00
      .26      6.87     13.81      6.26      .045      .040      .050      .000   1420.80   1787.12
  .007865      460.      440.      450.         3        15         0       .00    930.03   2717.16

*SECNO 10.400

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      950.0     2490.0  TYPE=      1  TARGET=     1540.000
    10.40     12.01   1434.01       .00       .00   1434.78       .78      1.88       .14   1430.00
   39000.     9772.    22610.     6618.      2779.     2592.     1653.     1060.      300.    1428.00
      .28      3.52      8.72      4.00      .045      .040      .050      .000   1422.00    950.00
  .002450      480.      460.      470.         2         0         0       .00   1540.00   2490.00

*SECNO 10.490

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=      720.0     2310.0  TYPE=      1  TARGET=     -720.000
    10.49     10.55   1437.05   1437.05       .00   1438.61      1.55      1.71       .23   1434.00
   39000.     9899.    26845.     2257.      2281.     2304.      398.     1122.      315.    1432.00
      .30      4.34     11.65      5.68      .045      .040      .050      .000   1426.50    743.82
  .006504      420.      470.      450.        20         9         0       .00   1558.81   2302.64
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.620

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62     11.23  1440.43  1440.43      .00  1442.40     1.97      3.21       .12  1432.00
   39000.     8586.   28010.    2404.    2002.    2164.     402.     1187.      335.   1432.00
      .31      4.29     12.94     5.98     .045     .035     .050      .000  1429.20   655.00
  .004549      605.      590.     600.        3        8        0       .00  1316.30  2107.16

*SECNO 10.700

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1  TARGET=    -800.000
    10.70     11.08  1443.58  1443.58      .00  1445.90     2.32      1.88       .11  1436.00
   39000.     8806.   26687.    3507.    1686.    1867.     568.     1226.      345.   1436.00
      .32      5.22     14.29     6.18     .045     .035     .050      .000  1432.50  1320.26
  .005209      405.      380.     390.       20        5        0       .00   902.63  2238.95

*SECNO 10.830

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1080.0    2875.0  TYPE=     1  TARGET=   -1080.000
    10.83     11.88  1447.88      .00      .00  1448.78      .90      2.74       .14  1444.00
   39000.     2426.   16274.   20301.     650.    1619.    3818.     1302.      361.   1444.00
      .35      3.73     10.05     5.32     .045     .035     .050      .000  1436.00  1554.28
  .003489      645.      650.     650.        2        0        0       .00  1284.65  2838.93

*SECNO 10.930
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93      9.95  1450.95  1450.95       .00  1452.50     1.54      2.42       .19  1448.00
   39000.     4532.   17013.   17455.      657.     1269.   2962.     1365.      376.   1448.00
      .36      6.89     13.40     5.89      .045      .035     .050      .000  1441.00  1645.16
  .007148      500.      500.     500.       20        10        0       .00  1319.84  2965.00

*SECNO 11.040

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
    11.04     10.66  1454.66      .00       .00  1455.61      .95      3.05       .06  1450.00
   39000.    24785.    5212.    9003.     2985.      567.   1749.     1424.      390.   1450.00
      .38      8.30     9.19     5.15      .045      .035     .050      .000  1444.00  1447.29
  .005265      500.      500.     500.        2         0        0       .00  1092.71  2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    11.20      8.42  1460.42  1460.42       .00  1464.44     4.02      2.89       .92  1467.00
   39000.        0.   39000.       0.        0.     2423.      0.     1489.      402.   1467.00
      .39       .00     16.10      .00      .045      .020     .050      .000  1452.00  1847.67
  .003008      680.      770.     755.       20        15        0       .00   304.67  2152.33

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
11.30	10.71	1463.21	.00	.00	1465.62	2.41	1.02	.16	1469.00
39000.	0.	39000.	0.	0.	3128.	0.	1522.	406.	1469.50
.40	.00	12.47	.00	.045	.020	.050	.000	1452.50	1843.11
.001341	528.	528.	528.	3	0	0	.00	313.79	2156.89

*SECNO 11.400

3301 HV CHANGED MORE THAN HVINS

11.40	9.61	1463.61	.00	.00	1466.65	3.03	.84	.19	1471.50
39000.	0.	39000.	0.	0.	2790.	0.	1558.	409.	1472.00
.41	.00	13.98	.00	.045	.020	.050	.000	1454.00	1845.27
.001922	528.	528.	528.	3	0	0	.00	309.46	2154.73

PROFILE FOR STREAM SKUNK CREEK 100YR FLOOD

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

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ELEVATION 1360.     1380.     1400.     1420.     1440.     1460.     1480.     1500.     1520.     1540.
   SECNO  CUMDIS

    8.69     0.  .   I LWE       .         .         .         .         .         .         .         .
            50.  .   I LWE       .         .         .         .         .         .         .         .
           100.  .   I LWE       .         .         .         .         .         .         .         .
           150.  .   I L EM      .         .         .         .         .         .         .         .
           200.  .   I LREM      .         .         .         .         .         .         .         .
           250.  .   I LRWE      .         .         .         .         .         .         .         .
           300.  .   I LRWE      .         .         .         .         .         .         .         .
           350.  .   I LRWE      .         .         .         .         .         .         .         .
           400.  .   I LRWEM     .         .         .         .         .         .         .         .
           450.  .   I LR.EM     .         .         .         .         .         .         .         .
           500.  .   I LR.EM     .         .         .         .         .         .         .         .
           550.  .   I LR.WE     .         .         .         .         .         .         .         .
           600.  .   I L RWE     .         .         .         .         .         .         .         .
           650.  .   I L RWEM    .         .         .         .         .         .         .         .
           700.  .   I  L R EM   .         .         .         .         .         .         .         .
    8.75   750.  .    I L R EM   .         .         .         .         .         .         .         .
           800.  .    I L R EM   .         .         .         .         .         .         .         .
           850.  .    I L R EM   .         .         .         .         .         .         .         .
           900.  .    I  LR WE   .         .         .         .         .         .         .         .
           950.  .    I  LR WE   .         .         .         .         .         .         .         .
          1000.  .     I L.RWEM  .         .         .         .         .         .         .         .
          1050.  .     I L.R EM  .         .         .         .         .         .         .         .
          1100.  .     I  LR EM  .         .         .         .         .         .         .         .
          1150.  .     I  LR EM  .         .         .         .         .         .         .         .
          1200.  .     I  LR EM  .         .         .         .         .         .         .         .
          1250.  .      I LR WE  .         .         .         .         .         .         .         .
          1300.  .      I .L WE  .         .         .         .         .         .         .         .
          1350.  .      I .L WE  .         .         .         .         .         .         .         .
          1400.  .      I .LRWEM .         .         .         .         .         .         .         .
          1450.  .      I .LR EM .         .         .         .         .         .         .         .
          1500.  .       I. L EM .         .         .         .         .         .         .         .
          1550.  .       I. L EM .         .         .         .         .         .         .         .
    8.89  1600.  .       I. L WE .         .         .         .         .         .         .         .
          1650.  .       I. L WE .         .         .         .         .         .         .         .
          1700.  .       I.  LWE .         .         .         .         .         .         .         .
          1750.  .        I  L E .         .         .         .         .         .         .         .
          1800.  .        I  L EM .         .         .         .         .         .         .         .
          1850.  .        I  L EM .         .         .         .         .         .         .         .
          1900.  .        I   LWE .         .         .         .         .         .         .         .
          1950.  .        I   LWE .         .         .         .         .         .         .         .
    8.97  2000.  .        .I  LWE .         .         .         .         .         .         .         .
          2050.  C        .I  L E .         .         .         .         .         .         .         .
          2100.  C        .I  L E .         .         .         .         .         .         .         .
          2150.  C        .I  L E .         .         .         .         .         .         .         .
          2200.  C        .I  L E .         .         .         .         .         .         .         .
          2250.  C        .I  L E .         .         .         .         .         .         .         .
          2300.  C        .I  LREM .        .         .         .         .         .         .         .
          2350.  C        .I  LRWE .        .         .         .         .         .         .         .
          2400.  C        .I  LRWE .        .         .         .         .         .         .         .
          2450.  C        .I  LRWE .        .         .         .         .         .         .         .
          2500.  C        .I  LRWE .        .         .         .         .         .         .         .
    9.05  2550.  C        .I  LR E .        .         .         .         .         .         .         .
          2600.  C        .I  LR E .        .         .         .         .         .         .         .
          2650.  C        . I  L EM .       .         .         .         .         .         .         .
          2700.  C        . I  LREM .       .         .         .         .         .         .         .
          2750.  C        .  I  LEM .       .         .         .         .         .         .         .
          2800.  C        .  I  LWE .       .         .         .         .         .         .         .
          2850.  C        .  I  LWEM.       .         .         .         .         .         .         .
    9.09  2900.  .        .   I RWEM.       .         .         .         .         .         .         .
    9.10  2950.  C        .   I RWEM.       .         .         .         .         .         .         .
    9.11  3000.  .        .   I RWEM.       .         .         .         .         .         .         .
    9.19  3050.  C        .   I RLEM.       .         .         .         .         .         .         .
    9.20  3100.  C        .   I RLEM.       .         .         .         .         .         .         .
          3150.  C        .   I RLEM.       .         .         .         .         .         .         .
          3200.  C        .   I  LWE.       .         .         .         .         .         .         .
          3250.  C        .   I  LWE.       .         .         .         .         .         .         .
          3300.  C        .   I  LWE.       .         .         .         .         .         .         .
          3350.  C        .   I  LWE.       .         .         .         .         .         .         .
          3400.  C        .   I  LWE.       .         .         .         .         .         .         .
          3450.  C        .   I  LWE.       .         .         .         .         .         .         .
    9.21  3500.  .        .   I  L EM       .         .         .         .         .         .         .
          3550.  .        .   I  L EM       .         .         .         .         .         .         .
          3600.  .        .    I L WE       .         .         .         .         .         .         .
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       3700.  .        .   I RLWE        .        .        .        .        .        .        .        .
       3750.  .        .   I RLWE        .        .        .        .        .        .        .        .
       3800.  .        .   I RL E        .        .        .        .        .        .        .        .
       3850.  .        .   I  L E        .        .        .        .        .        .        .        .
       3900.  .        .   I  L WE       .        .        .        .        .        .        .        .
       3950.  .        .   I  L WE       .        .        .        .        .        .        .        .
       4000.  .        .    I RLWE       .        .        .        .        .        .        .        .
       4050.  .        .    I RLWE       .        .        .        .        .        .        .        .
       4100.  .        .    I RLWE       .        .        .        .        .        .        .        .
9.31   4150.  .        .    I RL.E       .        .        .        .        .        .        .        .
       4200.  C        .    I RL.WE      .        .        .        .        .        .        .        .
       4250.  C        .    I RL.WE      .        .        .        .        .        .        .        .
       4300.  C        .    I  RLWE      .        .        .        .        .        .        .        .
       4350.  C        .    I  RLWE      .        .        .        .        .        .        .        .
       4400.  C        .    I  RLWE      .        .        .        .        .        .        .        .
       4450.  C        .     I RLWEM     .        .        .        .        .        .        .        .
       4500.  C        .     I RLWEM     .        .        .        .        .        .        .        .
       4550.  C        .     I  RLEM     .        .        .        .        .        .        .        .
       4600.  C        .     I  RLE M    .        .        .        .        .        .        .        .
       4650.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
9.40   4700.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
       4750.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
       4800.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
       4850.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
       4900.  C        .     I  RLWEM    .        .        .        .        .        .        .        .
       4950.  C        .      I .RLE M   .        .        .        .        .        .        .        .
       5000.  C        .      I .RLE M   .        .        .        .        .        .        .        .
       5050.  C        .      I .RLWEM   .        .        .        .        .        .        .        .
       5100.  C        .      I .RLWEM   .        .        .        .        .        .        .        .
9.48   5150.  C        .      I .RLWEM   .        .        .        .        .        .        .        .
       5200.  C        .      I .RLWEM   .        .        .        .        .        .        .        .
       5250.  C        .      I .RLWEM   .        .        .        .        .        .        .        .
       5300.  C        .      I . RLEM   .        .        .        .        .        .        .        .
       5350.  C        .       I. RLEM   .        .        .        .        .        .        .        .
       5400.  C        .       I. RLWE   .        .        .        .        .        .        .        .
       5450.  C        .       I. RLWE   .        .        .        .        .        .        .        .
       5500.  C        .       I.  LWE   .        .        .        .        .        .        .        .
       5550.  C        .       I.  LWE   .        .        .        .        .        .        .        .
9.58   5600.  C        .       I.  RWE   .        .        .        .        .        .        .        .
       5650.  C        .       I.  RLEM  .        .        .        .        .        .        .        .
       5700.  C        .       I.  RLWEM .        .        .        .        .        .        .        .
       5750.  C        .        I  RLWEM .        .        .        .        .        .        .        .
       5800.  C        .        I  RLWE M .        .        .        .        .        .        .        .
       5850.  C        .        I   LWE  M.        .        .        .        .        .        .        .
       5900.  C        .        I   LW E  M        .        .        .        .        .        .        .
       5950.  C        .        I   L WE  .M       .        .        .        .        .        .        .
       6000.  .       C.        I   L WE  .M       .        .        .        .        .        .        .
9.67   6050.  .        .        I   L WE  . M      .        .        .        .        .        .        .
       6100.  .        .        I   L WE  . M      .        .        .        .        .        .        .
       6150.  .        .        I   L W E . M      .        .        .        .        .        .        .
       6200.  .        .        I   L  WE . M      .        .        .        .        .        .        .
       6250.  .        .        I    L WE . M      .        .        .        .        .        .        .
       6300.  .        .        .I   L W E. M      .        .        .        .        .        .        .
       6350.  .        .        .I   L W E. M      .        .        .        .        .        .        .
9.75   6400.  .        .        .I   L  WE. M      .        .        .        .        .        .        .
       6450.  C        .        .I   L  WE. M      .        .        .        .        .        .        .
       6500.  C        .        .I   L  WE.  M     .        .        .        .        .        .        .
       6550.  C        .        .I   RL W E  M     .        .        .        .        .        .        .
       6600.  C        .        .I   RL W E  M     .        .        .        .        .        .        .
       6650.  C        .        .I   RL  WE   M    .        .        .        .        .        .        .
       6700.  C        .        .I   RL  WE   M    .        .        .        .        .        .        .
       6750.  C        .        .I   RL  WE   M    .        .        .        .        .        .        .
       6800.  C        .        .I   R L WE    M   .        .        .        .        .        .        .
       6850.  C        .        .I   R L WE    M   .        .        .        .        .        .        .
9.84   6900.  C        .        . I  R L WE    M   .        .        .        .        .        .        .
       6950.  C        .        . I  R L WE    M   .        .        .        .        .        .        .
       7000.  C        .        . I  R L  WE   M   .        .        .        .        .        .        .
       7050.  C        .        . I  RL   WE   M   .        .        .        .        .        .        .
       7100.  C        .        . I  RL   WE   M   .        .        .        .        .        .        .
       7150.  C        .        . I  RL   WE   M   .        .        .        .        .        .        .
       7200.  C        .        . I   L   WE   M   .        .        .        .        .        .        .
       7250.  C        .        .  I  L   WE   M   .        .        .        .        .        .        .
       7300.  C        .        .  I LR   WE   M   .        .        .        .        .        .        .
       7350.  C        .        .  I LR   WE   M   .        .        .        .        .        .        .
9.94   7400.  C        .        .  I LR   WE   M   .        .        .        .        .        .        .
       7450.  C        .        .  I LR   WE   M   .        .        .        .        .        .        .
       7500.  C        .        .  I LR   WE   M   .        .        .        .        .        .        .
       7550.  C        .        .  I  L   .E   M   .        .        .        .        .        .        .
       7600.  C        .        .   I L   .WE  M   .        .        .        .        .        .        .
       7650.  C        .        .   I L   .WE  M   .        .        .        .        .        .        .
       7700.  C        .        .   I LR  .WE M    .        .        .        .        .        .        .
       7750.  C        .        .   I LR  .WE M    .        .        .        .        .        .        .
       7800.  C        .        .   I LR  .WE M    .        .        .        .        .        .        .
       7850.  C        .        .   I  L  .WE M    .        .        .        .        .        .        .
       7900.  C        .        .   I  L  .WE M    .        .        .        .        .        .        .
10.04  7950.  C        .        .    I L  .WE M    .        .        .        .        .        .        .
       8000.  C        .        .    I L  .WE M    .        .        .        .        .        .        .
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       8100. C        .        .   I L  .W EM     .        .        .        .        .        .        .
       8150. C        .        .   I LR .W E M    .        .        .        .        .        .        .
       8200. C        .        .   I LR .W E M    .        .        .        .        .        .        .
       8250. C        .        .   I LR . WE M    .        .        .        .        .        .        .
10.12  8300. .        .        .    ILR . WE M    .        .        .        .        .        .        .
       8350. C        .        .    ILR . WE M    .        .        .        .        .        .        .
       8400. C        .        .    I L . W E M   .        .        .        .        .        .        .
       8450. C        .        .    I L . W E M   .        .        .        .        .        .        .
       8500. C        .        .     IL . W E M   .        .        .        .        .        .        .
       8550. C        .        .     I L.  WE  M  .        .        .        .        .        .        .
       8600. C        .        .     I L.  WE  M  .        .        .        .        .        .        .
       8650. C        .        .     I L.  WE  M  .        .        .        .        .        .        .
       8700. C        .        .      IRL  W E  M .        .        .        .        .        .        .
10.21  8750. C        .        .      IRL  W E  M .        .        .        .        .        .        .
       8800. C        .        .      IRL   WE  M .        .        .        .        .        .        .
       8850. C        .        .      I L   WE  M .        .        .        .        .        .        .
       8900. C        .        .       IRL  WE  M .        .        .        .        .        .        .
       8950. C        .        .       IRL  WE  M .        .        .        .        .        .        .
       9000. C        .        .       I.L  W E  M.        .        .        .        .        .        .
       9050. C        .        .        IL   WE  M.        .        .        .        .        .        .
       9100. C        .        .        IRL  WE  M.        .        .        .        .        .        .
       9150. C        .        .        I L  WE  M.        .        .        .        .        .        .
10.30  9200. .        .        .        I L  WE  M.        .        .        .        .        .        .
       9250. C        .        .        I L  WE  M.        .        .        .        .        .        .
       9300. C        .        .        .IRL  WE M.        .        .        .        .        .        .
       9350. C        .        .        .I L  WE M.        .        .        .        .        .        .
       9400. C        .        .        .I L  WE M.        .        .        .        .        .        .
       9450. C        .        .        .I RL WE  M        .        .        .        .        .        .
       9500. C        .        .        .I RL WE  M        .        .        .        .        .        .
       9550. C        .        .        .I  L  E  M        .        .        .        .        .        .
       9600. C        .        .        .I  RL E  M        .        .        .        .        .        .
10.40  9650. C        .        .        .I  RL E  M        .        .        .        .        .        .
       9700. C        .        .        .I  RL WE M        .        .        .        .        .        .
       9750. C        .        .        .I  RL WE M        .        .        .        .        .        .
       9800. C        .        .        . I  RLWE M        .        .        .        .        .        .
       9850. C        .        .        . I  RL E M        .        .        .        .        .        .
       9900. C        .        .        . I  RL E M        .        .        .        .        .        .
       9950. C        .        .        . I  RL WEM        .        .        .        .        .        .
      10000. C        .        .        .  I RL WEM        .        .        .        .        .        .
      10050. C        .        .        .  I  RLWEM        .        .        .        .        .        .
      10100. .        C        .        .  I  RLWEM        .        .        .        .        .        .
10.49 10150. .        .        .        .  I  RL EM        .        .        .        .        .        .
      10200. .        .        .        .  I  RL EM        .        .        .        .        .        .
      10250. .        .        .        .  I  RL WE        .        .        .        .        .        .
      10300. .        .        .        .   I RL WEM       .        .        .        .        .        .
      10350. .        .        .        .   I RL WEM       .        .        .        .        .        .
      10400. .        .        .        .   I RL WEM       .        .        .        .        .        .
      10450. .        .        .        .   I L  WEM       .        .        .        .        .        .
      10500. .        .        .        .   I L   EM       .        .        .        .        .        .
      10550. .        .        .        .   I L   WE       .        .        .        .        .        .
      10600. .        .        .        .   I L   WEM      .        .        .        .        .        .
      10650. .        .        .        .   I L   WEM      .        .        .        .        .        .
      10700. .        .        .        .    IL   WEM      .        .        .        .        .        .
10.62 10750. .        .        .        .    IL   WEM      .        .        .        .        .        .
      10800. .        .        .        .    IL   WEM      .        .        .        .        .        .
      10850. .        .        .        .    I L  .WEM     .        .        .        .        .        .
      10900. .        .        .        .    I L  .WEM     .        .        .        .        .        .
      10950. .        .        .        .    I L  .WE M    .        .        .        .        .        .
      11000. .        .        .        .     IL  .WE M    .        .        .        .        .        .
      11050. .        .        .        .     I L .W EM    .        .        .        .        .        .
10.70 11100. .        .        .        .     I L . WE M   .        .        .        .        .        .
      11150. C        .        .        .     I L . WE M   .        .        .        .        .        .
      11200. C        .        .        .      I L. WE M   .        .        .        .        .        .
      11250. C        .        .        .      I L. WE M   .        .        .        .        .        .
      11300. C        .        .        .      I L. WE M   .        .        .        .        .        .
      11350. C        .        .        .      I  L  WEM   .        .        .        .        .        .
      11400. C        .        .        .      I  L  WEM   .        .        .        .        .        .
      11450. C        .        .        .      I  L  WE M  .        .        .        .        .        .
      11500. C        .        .        .      I  L  WE M  .        .        .        .        .        .
      11550. C        .        .        .      I  .L WE M  .        .        .        .        .        .
      11600. C        .        .        .       I .L WE M  .        .        .        .        .        .
      11650. C        .        .        .       I .L  E M  .        .        .        .        .        .
      11700. C        .        .        .       I . L E M  .        .        .        .        .        .
10.83 11750. C        .        .        .       I . L E M  .        .        .        .        .        .
      11800. C        .        .        .       I . L WEM  .        .        .        .        .        .
      11850. C        .        .        .        I. L WEM  .        .        .        .        .        .
      11900. C        .        .        .        I.  LWEM  .        .        .        .        .        .
      11950. C        .        .        .        I.  L EM  .        .        .        .        .        .
      12000. C        .        .        .        I.  L E M .        .        .        .        .        .
      12050. C        .        .        .         I  L WEM .        .        .        .        .        .
      12100. C        .        .        .         I  L WEM .        .        .        .        .        .
      12150. C        .        .        .         I   LWEM .        .        .        .        .        .
      12200. C        .        .        .         I   LWEM .        .        .        .        .        .
10.93 12250. .        .        .        .         .I  LWEM .        .        .        .        .        .
      12300. C        .        .        .         .I  L EM .        .        .        .        .        .
      12350. C        .        .        .         .I  L WEM .       .        .        .        .        .
      12400. C        .        .        .         .I  L WEM .       .        .        .        .        .
      12450. C
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      12500.  C        .        .        .        .I   LWE M.        .        .        .        .        .
      12550.  C        .        .        .        .I   L E M.        .        .        .        .        .
      12600.  C        .        .        .        . I  L E  M        .        .        .        .        .
      12650.  C        .        .        .        . I  L E  M        .        .        .        .        .
      12700.  C        .        .        .        . I  L WE .M        .        .        .        .        .
11.04 12750.  C        .        .        .        . I  L WE .M        .        .        .        .        .
      12800.  C        .        .        .        . I   L E .M        .        .        .        .        .
      12850.  C        .        .        .        .  I  L E .M        .        .        .        .        .
      12900.  C        .        .        .        .  I   LWE.M        .        .        .        .        .
      12950.  C        .        .        .        .  I   LWE. M        .        .        .        .        .
      13000.  C        .        .        .        .  I    WE. M        .        .        .        .        .
      13050.  C        .        .        .        .   I   W E M        .        .        .        .        .
      13100.  C        .        .        .        .   I    WE M        .        .        .        .        .
      13150.  C        .        .        .        .   I    WE M        .        .        .        .        .
      13200.  C        .        .        .        .   I    WE M        .        .        .        .        .
      13250.  C        .        .        .        .    I   W.E M        .        .        .        .        .
      13300.  C        .        .        .        .    I   W.E M        .        .        .        .        .
      13350.  C        .        .        .        .    I    WELM        .        .        .        .        .
      13400.  C        .        .        .        .    I    W EM        .        .        .        .        .
      13450.  C        .        .        .        .     I   W EL        .        .        .        .        .
      13500.  .        .        .        .C       .     I   W EL        .        .        .        .        .
11.20 13550.  .        .        .        .        .     I   W E L        .        .        .        .        .
      13600.  C        .        .        .        .     I   W E L        .        .        .        .        .
      13650.  C        .        .        .        .     I   W E L        .        .        .        .        .
      13700.  C        .        .        .        .     I   .WE L        .        .        .        .        .
      13750.  C        .        .        .        .     I   .WE L        .        .        .        .        .
      13800.  C        .        .        .        .     I   .WE L        .        .        .        .        .
      13850.  C        .        .        .        .     I   .W EL        .        .        .        .        .
      13900.  C        .        .        .        .     I   .W EL        .        .        .        .        .
      13950.  C        .        .        .        .     I   .W EL        .        .        .        .        .
      14000.  C        .        .        .        .     I   .W ELR        .        .        .        .        .
11.30 14050.  C        .        .        .        .     I   . WE L        .        .        .        .        .
      14100.  C        .        .        .        .     I   . WE L        .        .        .        .        .
      14150.  C        .        .        .        .     I   . WE L        .        .        .        .        .
      14200.  C        .        .        .        .     I   . WE L        .        .        .        .        .
      14250.  C        .        .        .        .      I  . WE L        .        .        .        .        .
      14300.  C        .        .        .        .      I  . WE L        .        .        .        .        .
      14350.  C        .        .        .        .      I  . WE L        .        .        .        .        .
      14400.  C        .        .        .        .      I  . WE LR        .        .        .        .        .
      14450.  C        .        .        .        .      I  . WE LR        .        .        .        .        .
      14500.  C        .        .        .        .      I  . WE  L        .        .        .        .        .
      14550.  C        .        .        .        .      I  . WE  L        .        .        .        .        .
11.40 14600.  C        .        .        .        .      I  . WE  L        .        .        .        .        .
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THIS RUN EXECUTED 01/01/80 00:14:04

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SKUNK CREEK 100YR FLOOD

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
*	8.690	1378.24	.44	2828.79	6.18	12.75	4.71	11671.78	15160.37	.00	1979.00	2118.00	.00
*	8.750	1383.33	.00	3210.50	4.53	10.90	3.06	8827.10	9185.00	.00	1800.00	2040.00	.00
*	8.890	1388.06	.00	2860.00	4.05	10.27	3.06	9383.57	6943.40	870.00	1900.00	2240.00	3730.00
*	8.965	1390.85	.00	2490.00	4.41	10.22	3.61	9151.41	6774.76	1085.00	1955.00	2330.00	3575.00
	9.050	1393.05	.00	2045.00	4.41	8.72	3.50	9702.81	13016.21	1370.00	1905.00	2140.00	3415.00
*	9.090	1394.38	.00	2011.67	1.88	9.86	5.08	161.04	7690.80	110.00	1720.00	2645.00	3465.00
	9.100	1394.76	.00	2118.54	2.07	8.54	4.65	434.59	8520.35	110.00	1720.00	2645.00	3465.00
*	9.115	1394.95	.00	2169.51	.88	11.21	2.46	141.13	6506.72	110.00	1710.00	2315.00	3465.00
	9.190	1396.48	.00	2871.53	1.75	4.92	3.07	2788.90	9948.25	110.00	1670.00	2645.00	3465.00
	9.200	1396.49	.00	2871.85	1.75	4.92	3.07	2792.91	9949.09	110.00	1670.00	2645.00	3465.00
*	9.210	1397.15	.00	1565.00	4.54	11.25	5.44	4771.15	10673.72	1385.00	1865.00	2190.00	2950.00
*	9.310	1401.19	.00	1450.00	4.56	13.19	5.36	9248.20	8974.32	1110.00	1930.00	2115.00	2560.00
	9.400	1403.78	.00	1420.00	5.16	11.89	4.76	12377.90	2691.21	980.00	1940.00	2200.00	2400.00
	9.480	1406.43	.00	1300.00	4.09	10.04	4.41	6549.05	2129.83	1170.00	1945.00	2300.00	2470.00
	9.580	1408.64	.00	935.00	4.14	11.49	6.29	2615.62	4535.66	1600.00	1910.00	2340.00	2535.00
*	9.670	1411.69	.00	641.41	4.95	16.71	10.53	2035.07	23065.70	1770.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	547.01	6.62	16.72	8.68	4148.27	11783.22	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	9.840	1418.71	.00	529.25	5.39	12.72	6.29	4667.29	4408.57	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	505.85	7.01	12.76	5.66	10190.74	3394.93	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	553.66	6.08	11.88	4.94	3275.22	3696.95	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	536.13	6.53	15.56	6.24	2729.78	3449.48	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	523.44	6.76	15.52	8.88	1599.68	12835.17	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	930.03	6.87	13.81	6.26	1381.29	11504.68	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1540.00	3.52	8.72	4.00	9772.08	6618.06	950.00	1870.00	2120.00	2490.00
*	10.490	1437.05	.00	1558.81	4.34	11.65	5.68	9898.78	2256.69	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1316.30	4.29	12.94	5.98	8586.21	2404.21	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	902.63	5.22	14.29	6.18	8806.02	3507.33	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1284.65	3.73	10.05	5.32	2425.69	20300.57	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1319.84	6.89	13.40	5.89	4531.61	17455.15	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1092.71	8.30	9.19	5.15	24784.55	9003.13	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	304.67	.00	16.10	.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	313.79	.00	12.47	.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	309.46	.00	13.98	.00	.00	.00	.00	1829.50	2171.50	.00

SKUNK CREEK 100YR FLOOD

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	8.690	1378.24	.44	1379.34	2828.79	11671.78	12167.86	15160.37	.00	.00	1979.00	2118.00	.00
*	8.750	1383.33	.00	1384.43	3210.50	8827.10	20987.89	9185.00	.00	.00	1800.00	2040.00	.00
*	8.890	1388.06	.00	1389.09	2860.00	9383.57	22673.03	6943.40	2860.00	870.00	1900.00	2240.00	3730.00
*	8.965	1390.85	.00	1391.91	2490.00	9151.41	23073.83	6774.76	2490.00	1085.00	1955.00	2330.00	3575.00
	9.050	1393.05	.00	1393.68	2045.00	9702.81	16280.97	13016.21	2045.00	1370.00	1905.00	2140.00	3415.00
*	9.090	1394.38	.00	1395.66	2011.67	161.04	31148.16	7690.80	3355.00	110.00	1720.00	2645.00	3465.00
	9.100	1394.76	.00	1395.71	2118.54	434.59	30045.06	8520.35	3355.00	110.00	1720.00	2645.00	3465.00
*	9.115	1394.95	.00	1396.59	2169.51	141.13	32352.15	6506.72	3355.00	110.00	1710.00	2315.00	3465.00
	9.190	1396.48	.00	1396.78	2871.53	2788.90	26262.85	9948.25	3355.00	110.00	1670.00	2645.00	3465.00
	9.200	1396.49	.00	1396.78	2871.85	2792.91	26257.99	9949.09	3355.00	110.00	1670.00	2645.00	3465.00
*	9.210	1397.15	.00	1398.50	1565.00	4771.15	23555.13	10673.72	1565.00	1385.00	1865.00	2190.00	2950.00
*	9.310	1401.19	.00	1402.81	1450.00	9248.20	20777.48	8974.32	1450.00	1110.00	1930.00	2115.00	2560.00
	9.400	1403.78	.00	1405.28	1420.00	12377.90	23930.90	2691.21	1420.00	980.00	1940.00	2200.00	2400.00
	9.480	1406.43	.00	1407.71	1300.00	6549.05	30321.12	2129.83	1300.00	1170.00	1945.00	2300.00	2470.00
	9.580	1408.64	.00	1410.41	935.00	2615.62	31848.72	4535.66	935.00	1600.00	1910.00	2340.00	2535.00
*	9.670	1411.69	.00	1414.27	641.41	2035.07	13899.23	23065.70	-1770.00	1770.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	1418.41	547.01	4148.27	23068.52	11783.22	.00	.00	1910.00	2035.00	.00
	9.840	1418.71	.00	1420.76	529.25	4667.29	29924.14	4408.57	.00	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	1422.42	505.85	10190.74	25414.32	3394.93	.00	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	1424.11	553.66	3275.22	32027.83	3696.95	.00	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	1426.51	536.13	2729.78	32820.73	3449.48	.00	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	1429.44	523.44	1599.68	24565.15	12835.17	.00	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	1432.76	930.03	1381.29	26114.03	11504.68	.00	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1434.78	1540.00	9772.08	22609.86	6618.06	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1437.05	.00	1438.61	1558.81	9898.78	26844.52	2256.69	-720.00	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1442.40	1316.30	8586.21	28009.59	2404.21	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	1445.90	902.63	8806.02	26686.65	3507.33	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1448.78	1284.65	2425.69	16273.74	20300.57	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1452.50	1319.84	4531.61	17013.25	17455.15	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1455.61	1092.71	24784.55	5212.32	9003.13	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	1464.44	304.67	.00	39000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	1465.62	313.79	.00	39000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	1466.65	309.46	.00	39000.00	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=     8.690  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     8.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.750  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     8.890  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.890  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     8.965  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.965  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.090  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.090  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.210  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.210  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.310  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.310  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.670  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.670  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.750  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.750  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.120  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.120  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.300  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.300  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.490  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.490  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.490  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.620  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.620  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.930  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.930  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.930  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    11.200  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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100-YEAR FLOOD PROFILES

Pre-development Corps Run
Plus Existing Conditions
with Full Encroachment

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF NOVEMBER 1976                         *
*  UPDATED MAY 1984                                 *
*  IBM-PC-XT VERSION                                *
*  RUN DATE  01/01/80  TIME  07:51:33               *
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 440-2105 (FTS) 448-2105    *
*************************************
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X     X  XXXXXXX   XXXXX            XXXXX
X     X  X        X     X          X     X
X     X  X        X                       X
XXXXXXX  XXXX     X         XXXXX   XXXXX
X     X  X        X                X
X     X  X        X     X          X
X     X  XXXXXXX   XXXXX           XXXXXXX
```

THIS RUN EXECUTED 01/01/80 07:51:35

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
**************************************************
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T1      TEST PROGRAM FLOODWAY STUDY SKUNK CREEK
T2      ADOBE SUBDIVISION
T3      SKUNK CREEK 100YR FLOOD Q=39000 MATCH PRE-DEVEL COE RUN PLUS EXIST COND WITH FULL ENCROACHMENT

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0.       3.       0.       0.   .000000     .00      .0       0.  1377.800    .000

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    -1.000    .000     .000     .000     .000     .000     .000     .000     .000     .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000   1.000   52.000    4.000   55.000   26.000   56.000   13.000   15.000   27.000

    21.000  22.000   28.000     .000  110.000     .000  200.000     .000     .000     .000

NC      .045     .045     .035     .100     .300     .000     .000     .000     .000     .000
QT     2.000 39000.000 39000.000     .000     .000     .000     .000     .000     .000     .000
ET     8.690     .000    6.100     .000     .000  820.000 2420.000     .000     .000     .000
X1     8.690   19.000 1979.000 2118.000     .000     .000     .000     .000     .000     .000
GR  1380.000  452.000 1378.000  815.000 1378.000  877.000 1378.000  990.000 1378.000 1448.000
GR  1376.000 1481.000 1372.000 1542.000 1374.000 1675.000 1376.000 1727.000 1376.000 1979.000
GR  1369.800 2000.000 1370.000 2038.000 1372.000 2100.000 1376.000 2118.000 1376.200 2181.000
GR  1376.000 2278.000 1376.000 3560.000 1378.000 3560.000 1380.000 3890.000     .000     .000

ET     8.750     .000    6.100     .000     .000  900.000 2290.000     .000     .000     .000
X1     8.750   26.000 1800.000 2040.000  835.000  733.000  739.000     .000     .000     .000
GR  1390.000  170.000 1388.000  235.000 1386.000  420.000 1384.000  510.000 1383.000  820.000
GR  1382.000 1190.000 1382.000 1435.000 1384.000 1470.000 1384.000 1490.000 1382.000 1500.000
GR  1380.000 1560.000 1378.000 1573.000 1378.000 1600.000 1380.000 1625.000 1378.000 1740.000
GR  1378.000 1790.000 1376.000 1800.000 1376.000 1958.000 1372.000 1975.000 1371.000 2000.000
GR  1380.000 2040.000 1381.000 2290.000 1382.000 2650.000 1382.000 3790.000 1384.000 4050.000
GR  1386.000 4190.000    .000     .000     .000     .000     .000     .000     .000     .000

ET     8.890    4.100    6.100  870.000 3730.000 1280.000 2470.000     .000     .000     .000
X1     8.890   21.000 1900.000 2240.000  565.000  650.000  840.000     .000     .000     .000
GR  1392.000  675.000 1386.000  780.000 1386.000 1765.000 1384.000 1775.000 1384.000 1805.000
GR  1386.000 1815.000 1384.000 1865.000 1384.000 1900.000 1382.000 1950.000 1382.000 1970.000
GR  1378.000 2000.000 1380.000 2030.000 1382.000 2090.000 1382.000 2230.000 1384.000 2240.000
GR  1386.000 2260.000 1387.000 3440.000 1386.500 3770.000 1387.000 4080.000 1388.000 4230.000
GR  1390.000 4440.000    .000     .000     .000     .000     .000     .000     .000     .000
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ET	8.965	4.100	6.100	1085.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1370.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.090	24.000	1720.000	2645.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.200	1630.000	1393.400	1720.000	1392.700	1748.000	1391.800	1787.000	1390.100	1855.000
GR	1388.400	1935.000	1387.700	1980.000	1388.200	2055.000	1389.000	2135.000	1391.100	2235.000
GR	1392.400	2315.000	1392.700	2415.000	1392.700	2475.000	1393.100	2520.000	1392.900	2645.000
GR	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000	1398.000	4720.000	.000	.000
ET	9.100	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.100	.000	1720.000	2645.000	1.000	1.000	1.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.115	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.115	20.000	1710.000	2315.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.400	1630.000	1393.800	1710.000
GR	1392.800	1755.000	1391.300	1820.000	1388.400	1920.000	1388.000	1970.000	1387.900	2020.000
GR	1389.000	2120.000	1391.200	2220.000	1392.600	2315.000	1393.000	2435.000	1393.100	2520.000
GR	1392.900	2645.000	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000	1398.000	4720.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.190	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.190	21.000	1670.000	2645.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1394.200	1530.000
GR	1394.000	1640.000	1394.000	1670.000	1391.400	1805.000	1389.000	1895.000	1387.500	1975.000
GR	1387.200	2020.000	1389.600	2155.000	1391.100	2220.000	1392.600	2315.000	1392.600	2415.000
GR	1392.600	2495.000	1392.900	2645.000	1392.000	3650.000	1394.000	4025.000	1396.000	4480.000
GR	1398.000	4720.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	110.000	3465.000	1310.000	2575.000	.000	.000	.000
X1	9.200	.000	1670.000	2645.000	1.000	1.000	1.000	.000	.000	.000
NC	.000	.040	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1385.000	2950.000	1380.000	2595.000	.000	.000	.000
X1	9.210	37.000	1865.000	2190.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1392.000	1920.000	1392.000	1930.000	1390.000	1950.000	1388.500	2000.000
GR	1390.000	2085.000	1392.000	2180.000	1394.000	2190.000	1394.000	2200.000	1392.000	2210.000
GR	1392.000	2225.000	1394.000	2230.000	1394.700	2450.000	1395.000	3250.000	1396.000	4050.000
GR	1398.000	4430.000	1399.500	4600.000	.000	.000	.000	.000	.000	.000
NH	4.000	.045	1930.000	.035	2115.000	.050	3030.000	.040	3660.000	.000
ET	9.310	4.100	6.100	1110.000	2560.000	1280.000	2400.000	.000	.000	.000
X1	9.310	29.000	1930.000	2115.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1394.000	1940.000	1392.000	1980.000	1392.000	2000.000	1392.000	2010.000
GR	1392.000	2040.000	1392.000	2090.000	1394.000	2105.000	1396.000	2115.000	1398.000	2160.000
GR	1398.000	2280.000	1394.000	3030.000	1400.000	3530.000	1402.000	3660.000	.000	.000
NH	4.000	.040	1940.000	.035	2200.000	.050	2300.000	.040	4100.000	.000
ET	9.400	4.100	6.100	980.000	2400.000	1330.000	2400.000	.000	.000	.000
X1	9.400	33.000	1940.000	2200.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2300.000
GR	1400.000	2390.000	1400.000	2400.000	1402.000	2450.000	1404.000	2680.000	1404.000	2870.000
GR	1404.000	3300.000	1406.000	3790.000	1408.000	4100.000	.000	.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	325.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.000	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2035.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1423.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
HC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
HC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1690.000	1450.000	1740.000	1451.000	1650.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2800.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV.      HL       OLOSS    BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     820.0    2420.0  TYPE=     1  TARGET=    1600.000
     8.69     9.38  1379.18  1379.18      .00  1380.64     1.46      .00      .00  1376.00
   39000.   18816.   14760.    5424.    2967.    1085.     944.       0.       0.   1376.00
      .00     6.34    13.61     5.75     .045     .035     .045     .000  1369.80   820.00
  .006725      0.       0.       0.        0        7        0      .00  1600.00  2420.00

*SECNO 8.750

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=     900.0    2290.0  TYPE=     1  TARGET=    1390.000
     8.75    12.56  1383.56     .00      .00  1385.17     1.61     4.48      .04  1376.00
   39000.   10980.   24268.    3752.    2094.    1981.     765.      89.      27.   1380.00
      .02     5.24    12.25     4.90     .045     .035     .045     .000  1371.00   900.00
  .005032     835.     739.     733.        3        0       0      .00  1360.11  2290.00

*SECNO 8.890
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2470.0  TYPE=     1  TARGET=    1190.000
     8.89    10.46  1388.46  1388.46      .00  1390.09     1.62     4.08      .01  1384.00
   39000.    8845.   27537.    2618.    1727.    2340.     568.     165.      46.   1384.00
      .04     5.12    11.73     4.61     .045     .035     .045     .000  1378.00  1280.00
  .005810     565.     840.     650.        2       10        0      .00  1190.00  2470.00

*SECNO 8.965
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1380.0    2575.0  TYPE=     1  TARGET=    1195.000
     8.97    10.10  1391.10  1391.10      .00  1392.77     1.67     2.35      .01  1388.00
   39000.    6846.   27817.    4337.    1378.    2353.     759.     203.      55.   1388.00
      .05     4.97    11.82     5.71     .045     .035     .045     .000  1381.00  1380.00
  .006714     275.     400.     410.        2       10        0      .00  1195.00  2575.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTH       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.050

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1375.0    2525.0  TYPE=     1  TARGET=    1150.000
     9.05     11.97  1393.97      .00       .00  1394.80     .84     1.95       .08  1388.00
   39000.    13267.   19303.    6430.     2669.    2082.    1527.     260.      67.   1390.00
      .07      4.97     9.27     4.21      .045     .035     .045     .000  1382.00  1375.00
  .002628      410.     550.     370.         2        0        0      .00  1150.00  2525.00

*SECNO 9.090

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2575.0  TYPE=     1  TARGET=    1265.000
     9.09      7.26  1394.96  1394.96       .00  1396.72    1.76     1.54       .28  1393.40
   39000.      793.   38207.       0.      286.     3554.      0.     298.      76. 100000.00
      .08      2.78     10.75      .00      .045     .035     .045     .000  1387.70  1310.00
  .009621      328.     348.     278.         3       14        0      .00  1265.00  2575.00

*SECNO 9.100

3470 ENCROACHMENT STATIONS=    1310.0    2575.0  TYPE=     1  TARGET=    1265.000
     9.10      7.69  1395.39      .00       .00  1396.77    1.37      .01       .04  1393.40
   39000.     1418.   37583.       0.      467.     3932.      0.     298.      76. 100000.00
      .08      3.04     9.56      .00      .045     .035     .045     .000  1387.70  1310.00
  .006651        1.       1.       1.        11        0        0      .00  1265.00  2575.00

*SECNO 9.115

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV.       HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    1310.0    2575.0  TYPE=     1  TARGET=    1265.000
     9.11      7.44  1395.34  1395.34      .00  1397.42     2.08      .07       .21  1393.00
   39000.      398.   37022.    1580.     316.    3122.     626.     300.       77.   1392.60
      .08      1.26     11.86     2.53     .045     .016     .045     .000  1387.90  1310.00
  .001828       22.       22.      22.      20        8        0      .00  1265.00  2575.00

*SECNO 9.190

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1310.0    2575.0  TYPE=     1  TARGET=    1265.000
     9.19      9.82  1397.02      .00      .00  1397.64      .61      .07       .15  1394.00
   39000.     2912.   36088.       0.     988.    5563.       0.     305.       78. 100000.00
      .09      2.95     6.49      .00     .045     .035     .045     .000  1387.20  1310.00
  .002086       37.       37.      37.        4        0        0      .00  1265.00  2575.00

*SECNO 9.200

3470 ENCROACHMENT STATIONS=    1310.0    2575.0  TYPE=     1  TARGET=    1265.000
     9.20      9.83  1397.03      .00      .00  1397.64      .61      .00       .00  1394.00
   39000.     2918.   36082.       0.     990.    5569.       0.     305.       78. 100000.00
      .09      2.95     6.48      .00     .045     .035     .045     .000  1387.20  1310.00
  .002078        1.        1.       1.        0        0        0      .00  1265.00  2575.00

*SECNO 9.210

3470 ENCROACHMENT STATIONS=    1380.0    2595.0  TYPE=     1  TARGET=    1215.000
     9.21      9.66  1398.16      .00      .00  1399.21     1.05     1.44       .13  1394.00
   39000.     6863.   23631.    8506.    1546.    2422.    1546.     377.       92.   1394.00
      .10      4.44     9.75     5.50     .045     .035     .040     .000  1388.50  1380.00
  .003631      422.      562.     462.        2        0        0      .00  1215.00  2595.00

1490 NH CARD USED
*SECNO 9.310

3301 HV CHANGED MORE THAN HVINS
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CONAR     TOPWID      ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2400.0  TYPE=     1-TARGET=    1120.000
     9.31      9.88  1401.88  1401.88       .00  1403.69     1.81      2.44       .23  1398.00
   39000.      9601.   22834.    6565.    1941.    1702.    1188.      439.      105.   1396.00
      .12      4.95    13.41     5.52     .045     .035     .050      .000  1392.00  1280.00
  .005220      400.     650.     480.       20        5        0       .00  1120.00  2400.00

1490 NH CARD USED
*SECNO 9.400

3470 ENCROACHMENT STATIONS=    1330.0    2400.0  TYPE=     1  TARGET=    1070.000
     9.40     10.34  1404.34      .00      .00  1406.08     1.74      2.39       .01  1402.00
   39000.      8870.   26548.    3582.    1676.    2150.     678.      486.      115.   1400.00
      .13      5.29    12.30     5.29     .040     .035     .044      .000  1394.00  1330.00
  .005041      370.     510.     420.        3        0        0       .00  1070.00  2400.00

1490 NH CARD USED
*SECNO 9.480

3470 ENCROACHMENT STATIONS=    1540.0    2470.0  TYPE=     1  TARGET=     930.000
     9.48     11.08  1407.08      .00      .00  1408.39     1.31      2.27       .04  1404.00
   39000.      4018.   32182.    2800.     963.    3252.     594.      534.      125.   1402.00
      .15      4.17     9.90     4.71     .045     .045     .050      .000  1396.00  1540.00
  .004734      370.     490.     420.        3        0        0       .00   930.00  2470.00

*SECNO 9.580

3470 ENCROACHMENT STATIONS=    1815.0    2535.0  TYPE=     1  TARGET=     720.000
     9.58     10.53  1409.03      .00      .00  1410.80     1.76      2.27       .14  1407.00
   39000.       821.   33151.    5029.     205.    2940.     797.      578.      133.   1406.00
      .16      4.01    11.28     6.31     .045     .035     .045      .000  1398.50  1815.00
  .005456      390.     450.     460.        2        0        0       .00   720.00  2535.00

*SECNO 9.670
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1820.0    2480.0  TYPE=     1  TARGET=   -1820.000
     9.67     11.61  1411.61  1411.61      .00  1414.36     2.75      2.84       .30  1408.00
   39000.     1539.   14138.   23324.     302.     825.    2163.      613.      140.   1400.00
      .17      5.09     17.14     10.78     .045     .035     .045      .000   1400.00  1820.00
  .008846      470.      410.      420.       2        8        0       .00    591.04  2411.04


*SECNO 9.750
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75     13.72  1415.42  1415.42      .00  1418.41     3.00      2.92       .07  1410.00
   39000.     4148.   23069.   11783.     627.    1379.    1357.      643.      145.   1410.00
      .18      6.62     16.73      8.68     .045     .035     .045      .000   1401.70  1742.92
  .006439      390.      370.      410.       4       11        0       .00    547.01  2289.93


*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     15.71  1418.71       .00      .00  1420.76     2.05      2.25       .09  1414.00
   39000.     4667.   29924.    4409.     865.    2352.     700.      684.      151.   1410.00
      .19      5.39     12.72      6.29     .045     .035     .045      .000   1403.00  1762.35
  .003512      500.      480.      490.       2        0        0       .00    529.25  2291.60


*SECNO 9.940
     9.94     14.54  1420.54       .00      .00  1422.42     1.89      1.65       .02  1410.00
   39000.    10191.   25414.    3395.    1454.    1992.     599.      728.      156.   1412.00
      .20      7.01     12.76      5.66     .045     .035     .045      .000   1406.00  1752.14
  .003138      430.      520.      470.       2        0        0       .00    505.85  2258.00


*SECNO 10.040
    10.04     13.23  1422.23       .00      .00  1424.11     1.88      1.69       .00  1414.00
   39000.     3275.   32028.    3697.     539.    2695.     749.      778.      163.   1414.00
      .21      6.08     11.88      4.94     .045     .035     .045      .000   1409.00  1820.96
  .003119      540.      540.      540.       2        0        0       .00    553.65  2374.61
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.120

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.12     11.74  1423.24  1423.24       .00  1426.51      3.27      1.62       .41  1414.00
   39000.     2730.    32820.    3450.      410.    2109.      553.      810.      168.  1416.00
      .22      6.53     15.56     6.24      .045      .035      .045      .000  1411.50  1753.78
  .005822     450.      380.     420.         4        11         0       .00   536.14  2289.92

*SECNO 10.210
    10.21     11.15  1426.65      .00       .00  1429.44      2.79      2.88       .05  1420.00
   39000.     1600.    24566.  12835.      237.    1583.     1445.      844.      174.  1418.00
      .23      6.76     15.52     8.88      .045      .035      .045      .000  1415.50  1806.43
  .006836     490.      450.     475.         4         0         0       .00   523.44  2329.87

*SECNO 10.300

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.30      9.78  1430.58  1430.58       .00  1432.76      2.19      3.25       .06  1424.00
   39000.     1381.    26114.  11505.      201.    1891.     1837.      881.      181.  1424.00
      .24      6.87     13.81     6.26      .045      .040      .050      .000  1420.80  1787.12
  .007865     460.      440.     450.         3        15         0       .00   930.03  2717.16

*SECNO 10.400

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=     950.0    2490.0  TYPE=     1  TARGET=    1540.000
    10.40     12.01  1434.01       .00       .00  1434.78       .78      1.88       .14  1430.00
   39000.     9772.    22610.   6618.     2779.    2592.     1653.      940.      195.  1428.00
      .26      3.52      8.72     4.00      .045      .040      .050      .000  1422.00   950.00
  .002450     480.      460.     470.         2         0         0       .00  1540.00  2490.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV.       HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.490

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     720.0    2310.0  TYPE=     1  TARGET=    -720.000
    10.49     10.55  1437.05  1437.05      .00  1438.61     1.55      1.71       .23  1434.00
   39000.     9899.   26845.    2257.    2281.     2304.     398.     1001.      210.   1432.00
      .28      4.34    11.65     5.68     .045      .040     .050      .000  1426.50   743.82
  .006504      420.     470.     450.       20         9        0       .00  1558.81  2302.64

*SECNO 10.620

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62     11.23  1440.43  1440.43      .00  1442.40     1.97      3.21       .12  1432.00
   39000.     8586.   28010.    2404.    2002.     2164.     402.     1066.      230.   1432.00
      .29      4.29    12.94     5.98     .045      .035     .050      .000  1429.20   655.00
  .004549      605.     590.     600.        3         8        0       .00  1316.30  2107.16

*SECNO 10.700

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1. TARGET=    -800.000
    10.70     11.08  1443.58  1443.58      .00  1445.90     2.32      1.88       .11  1436.00
   39000.     8806.   26687.    3507.    1686.     1867.     568.     1105.      240.   1436.00
      .30      5.22    14.29     6.18     .045      .035     .050      .000  1432.50  1320.26
  .005209      405.     380.     390.       20         5        0       .00   902.63  2238.95
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.830

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1080.0    2075.0  TYPE=     1  TARGET=   -1080.000
    10.83     11.88  1447.88       .00       .00  1448.78      .90      2.74       .14  1444.00
   39000.     2426.   16274.    20301.     650.     1619.    3818.     1182.      256.   1444.00
      .33      3.73     10.05      5.32     .045      .035     .050      .000   1436.00  1554.28
  .003489      645.      650.      650.        2         0        0       .00   1284.65  2838.93

*SECNO 10.930

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93      9.95  1450.95  1450.95       .00  1452.50     1.54      2.42       .19  1448.00
   39000.     4532.   17013.   17455.     657.     1269.    2962.     1245.      271.   1448.00
      .34      6.89     13.40      5.89     .045      .035     .050      .000   1441.00  1645.16
  .007148      500.      500.      500.       20        10        0       .00   1319.84  2965.00

*SECNO 11.040

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
    11.04     10.66  1454.66       .00       .00  1455.61      .95      3.05       .06  1450.00
   39000.    24785.    5212.    9003.    2985.      567.    1749.     1303.      285.   1450.00
      .36      8.30      9.19      5.15     .045      .035     .050      .000   1444.00  1447.29
  .005265      500.      500.      500.        2         0        0       .00   1092.71  2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    11.20      8.42  1460.42  1460.42       .00  1464.44      4.02      2.89       .92  1467.00
   39000.        0.   39000.       0.        0.    2423.        0.     1368.      297.   1467.00
      .37       .00     16.10      .00      .045      .020      .050      .000   1452.00  1847.67
  .003008      680.      770.     755.        20        15         0       .00    304.67  2152.33

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS

    11.30     10.71  1463.21       .00       .00  1465.62      2.41      1.02       .16  1469.00
   39000.        0.   39000.       0.        0.    3128.        0.     1401.      301.   1469.50
      .38       .00     12.47      .00      .045      .020      .050      .000   1452.50  1843.11
  .001341      528.      528.     528.         3         0         0       .00    313.79  2156.89

*SECNO 11.400

3301 HV CHANGED MORE THAN HVINS

    11.40      9.61  1463.61       .00       .00  1466.65      3.03       .84       .19  1471.50
   39000.        0.   39000.       0.        0.    2790.        0.     1437.      304.   1472.00
      .39       .00     13.98      .00      .045      .020      .050      .000   1454.00  1845.27
  .001922      528.      528.     528.         3         0         0       .00    309.46  2154.73
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PROFILE FOR STREAM SKUNK CREEK 100YR FLOOD

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

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ELEVATION  1360.    1380.    1400.    1420.    1440.    1460.    1480.    1500.    1520.    1540.
   SECNO   CUMDIS
    8.69      0.  .   I  L E         .        .        .        .        .        .        .        .        .
             50.  C   I  L E         .        .        .        .        .        .        .        .        .
            100.  C   I  L WE        .        .        .        .        .        .        .        .        .
            150.  C   I  L WE        .        .        .        .        .        .        .        .        .
            200.  C   I  LRWE        .        .        .        .        .        .        .        .        .
            250.  C   I  LRWE        .        .        .        .        .        .        .        .        .
            300.  C   I  LRWE        .        .        .        .        .        .        .        .        .
            350.  C   I  LR.E        .        .        .        .        .        .        .        .        .
            400.  C   I  LR.WE       .        .        .        .        .        .        .        .        .
            450.  C   I  LR.WE       .        .        .        .        .        .        .        .        .
            500.  C   I  LR.WE       .        .        .        .        .        .        .        .        .
            550.  C   I  LR.WE       .        .        .        .        .        .        .        .        .
            600.  C   I  L RWE       .        .        .        .        .        .        .        .        .
            650.  C   I  L R EM      .        .        .        .        .        .        .        .        .
            700.  C   I  L R EM      .        .        .        .        .        .        .        .        .
    8.75    750.  C    I L R WE      .        .        .        .        .        .        .        .        .
            800.  C    I L R WE      .        .        .        .        .        .        .        .        .
            850.  C    I L R WE      .        .        .        .        .        .        .        .        .
            900.  C    I  LR WE      .        .        .        .        .        .        .        .        .
            950.  C    I  LR WE      .        .        .        .        .        .        .        .        .
           1000.  C     I L.R EM     .        .        .        .        .        .        .        .        .
           1050.  C     I L.R EM     .        .        .        .        .        .        .        .        .
           1100.  C     I  LR WE     .        .        .        .        .        .        .        .        .
           1150.  C     I  LR WE     .        .        .        .        .        .        .        .        .
           1200.  C     I  LR WE     .        .        .        .        .        .        .        .        .
           1250.  C      I LR WE     .        .        .        .        .        .        .        .        .
           1300.  C      I .L WE     .        .        .        .        .        .        .        .        .
           1350.  C      I .L  E     .        .        .        .        .        .        .        .        .
           1400.  C      I .LR EM    .        .        .        .        .        .        .        .        .
           1450.  C      I .LR WE    .        .        .        .        .        .        .        .        .
           1500.  C       I. L WE    .        .        .        .        .        .        .        .        .
           1550.  C       I. L WE    .        .        .        .        .        .        .        .        .
    8.89   1600.  .       I. L WE    .        .        .        .        .        .        .        .        .
           1650.  .       I. L WE    .        .        .        .        .        .        .        .        .
           1700.  .       I.  L E    .        .        .        .        .        .        .        .        .
           1750.  .        I  L WE   .        .        .        .        .        .        .        .        .
           1800.  .        I  L WE   .        .        .        .        .        .        .        .        .
           1850.  .        I  L WE   .        .        .        .        .        .        .        .        .
           1900.  .        I   LWE   .        .        .        .        .        .        .        .        .
           1950.  .        I   LWE   .        .        .        .        .        .        .        .        .
    8.97   2000.  .        .I  L E   .        .        .        .        .        .        .        .        .
           2050.  C        .I  L E   .        .        .        .        .        .        .        .        .
           2100.  C        .I  L WE  .        .        .        .        .        .        .        .        .
           2150.  C        .I  L WE  .        .        .        .        .        .        .        .        .
           2200.  C        .I  L WE  .        .        .        .        .        .        .        .        .
           2250.  C        .I  L WE  .        .        .        .        .        .        .        .        .
           2300.  C        .I  LRWE  .        .        .        .        .        .        .        .        .
           2350.  C        .I  LRWE  .        .        .        .        .        .        .        .        .
           2400.  C        .I  LR E  .        .        .        .        .        .        .        .        .
           2450.  C        .I  LR E  .        .        .        .        .        .        .        .        .
           2500.  C        .I  LR E  .        .        .        .        .        .        .        .        .
    9.05   2550.  C        .I  LR E  .        .        .        .        .        .        .        .        .
           2600.  C        .I  L  WE .        .        .        .        .        .        .        .        R
           2650.  C        . I  L WE .        .        .        .        .        .        .        .        R
           2700.  C        . I  L WE .        .        .        .        .        .        .        .        R
           2750.  C        .  I  LWE .        .        .        .        .        .        .        .        R
           2800.  C        .  I  LWE .        .        .        .        .        .        .        .        R
           2850.  C        .  I  LWEM.        .        .        .        .        .        .        .        R
    9.09   2900.  .        .   I  WEM.        .        .        .        .        .        .        .        R
    9.10   2950.  C        .   I  LEM.        .        .        .        .        .        .        .        R
    9.11   3000.  .        .   I RLWE.        .        .        .        .        .        .        .        .
    9.19   3050.  C        .   I  L E.        .        .        .        .        .        .        .        R
    9.20   3100.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3150.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3200.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3250.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3300.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3350.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3400.  C        .   I  L E.        .        .        .        .        .        .        .        R
           3450.  C        .   I  L E.        .        .        .        .        .        .        .        R
    9.21   3500.  C        .   I  L WE        .        .        .        .        .        .        .        .
           3550.  C        .   I  L WE        .        .        .        .        .        .        .        .
           3600.  C        .    I L WE        .        .        .        .        .        .        .        .
           3650.  C        .    I L  E        .        .        .        .        .        .        .        .
           3700.  C        .    I RL E        .        .        .        .        .        .        .        .
```

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        3850. C         .    I  L WE        .         .         .         .         .         .         .         .
        3900. C         .    I  L WE        .         .         .         .         .         .         .         .
        3950. C         .    I  L WE        .         .         .         .         .         .         .         .
        4000. C         .     I RL.E        .         .         .         .         .         .         .         .
        4050. C         .     I RL.WE       .         .         .         .         .         .         .         .
        4100. C         .     I RL.WE       .         .         .         .         .         .         .         .
 9.31   4150. .         .     I RL.WE       .         .         .         .         .         .         .         .
        4200. C         .     I RL.WE       .         .         .         .         .         .         .         .
        4250. C         .     I RL.WE       .         .         .         .         .         .         .         .
        4300. C         .     I  RLWE       .         .         .         .         .         .         .         .
        4350. C         .     I  RLWE       .         .         .         .         .         .         .         .
        4400. C         .     I  RL E       .         .         .         .         .         .         .         .
        4450. C         .      I RL WE      .         .         .         .         .         .         .         .
        4500. C         .      I RL WE      .         .         .         .         .         .         .         .
        4550. C         .      I  RLWE      .         .         .         .         .         .         .         .
        4600. C         .      I  RLWEM     .         .         .         .         .         .         .         .
        4650. C         .      I  RLWEM     .         .         .         .         .         .         .         .
 9.40   4700. C         .      I  RLWEM     .         .         .         .         .         .         .         .
        4750. C         .      I  RLWEM     .         .         .         .         .         .         .         .
        4800. C         .      I  RLWEM     .         .         .         .         .         .         .         .
        4850. C         .      I  RL EM     .         .         .         .         .         .         .         .
        4900. C         .      I  RL WE     .         .         .         .         .         .         .         .
        4950. C         .       I .RLWEM    .         .         .         .         .         .         .         .
        5000. C         .       I .RLWEM    .         .         .         .         .         .         .         .
        5050. C         .       I .RLWEM    .         .         .         .         .         .         .         .
        5100. C         .       I .RLWEM    .         .         .         .         .         .         .         .
 9.48   5150. C         .       I .RL EM    .         .         .         .         .         .         .         .
        5200. C         .       I .RL EM    .         .         .         .         .         .         .         .
        5250. C         .       I .RL EM    .         .         .         .         .         .         .         .
        5300. C         .       I . RLWE    .         .         .         .         .         .         .         .
        5350. C         .        I. RLWE    .         .         .         .         .         .         .         .
        5400. C         .        I. RLWE    .         .         .         .         .         .         .         .
        5450. C         .        I. RLWE    .         .         .         .         .         .         .         .
        5500. C         .        I.  LWE    .         .         .         .         .         .         .         .
        5550. C         .        I.  LWE    .         .         .         .         .         .         .         .
 9.58   5600. C         .        I.  RLE    .         .         .         .         .         .         .         .
        5650. C         .        I.  RLWE   .         .         .         .         .         .         .         .
        5700. C         .        I.  RLWEM  .         .         .         .         .         .         .         .
        5750. C         .         I  RLWEM  .         .         .         .         .         .         .         .
        5800. C         .         I  RLWE M .         .         .         .         .         .         .         .
        5850. C         .         I   LWE  M.         .         .         .         .         .         .         .
        5900. C         .         I   LW E  M         .         .         .         .         .         .         .
        5950. C         .         I   L WE  .M        .         .         .         .         .         .         .
        6000. .        C.         I   L WE  .M        .         .         .         .         .         .         .
 9.67   6050. .         .         I   L WE  . M       .         .         .         .         .         .         .
        6100. .         .         I   L WE  . M       .         .         .         .         .         .         .
        6150. .         .         I   L W E . M       .         .         .         .         .         .         .
        6200. .         .         I   L  WE . M       .         .         .         .         .         .         .
        6250. .         .         I    L WE . M       .         .         .         .         .         .         .
        6300. .         .         .I   L W E. M       .         .         .         .         .         .         .
        6350. .         .         .I   L W E. M       .         .         .         .         .         .         .
 9.75   6400. .         .         .I   L  WE. M       .         .         .         .         .         .         .
        6450. C         .         .I   L  WE. M       .         .         .         .         .         .         .
        6500. C         .         .I   L  WE.  M      .         .         .         .         .         .         .
        6550. C         .         .I   RL W E  M      .         .         .         .         .         .         .
        6600. C         .         .I   RL W E  M      .         .         .         .         .         .         .
        6650. C         .         .I   RL   WE  M     .         .         .         .         .         .         .
        6700. C         .         .I   RL   WE  M     .         .         .         .         .         .         .
        6750. C         .         .I   RL   WE  M     .         .         .         .         .         .         .
        6800. C         .         .I   R L  WE   M    .         .         .         .         .         .         .
        6850. C         .         .I   R L  WE   M    .         .         .         .         .         .         .
 9.84   6900. C         .         . I  R L  WE   M    .         .         .         .         .         .         .
        6950. C         .         . I  R L  WE   M    .         .         .         .         .         .         .
        7000. C         .         . I  R L   WE  M    .         .         .         .         .         .         .
        7050. C         .         . I  RL    WE  M    .         .         .         .         .         .         .
        7100. C         .         . I  RL    WE  M    .         .         .         .         .         .         .
        7150. C         .         . I  RL    WE  M    .         .         .         .         .         .         .
        7200. C         .         . I   L    WE  M    .         .         .         .         .         .         .
        7250. C         .         .  I  L    WE  M    .         .         .         .         .         .         .
        7300. C         .         .  I LR    WE  M    .         .         .         .         .         .         .
        7350. C         .         .  I LR    WE  M    .         .         .         .         .         .         .
 9.94   7400. C         .         .  I LR    WE  M    .         .         .         .         .         .         .
        7450. C         .         .  I LR    WE  M    .         .         .         .         .         .         .
        7500. C         .         .  I LR    WE  M    .         .         .         .         .         .         .
        7550. C         .         .  I  L   .E   M    .         .         .         .         .         .         .
        7600. C         .         .   I L   .WE  M    .         .         .         .         .         .         .
        7650. C         .         .   I L   .WE  M    .         .         .         .         .         .         .
        7700. C         .         .   I L R .WE M     .         .         .         .         .         .         .
        7750. C         .         .   I L R .WE M     .         .         .         .         .         .         .
        7800. C         .         .   I L R .WE M     .         .         .         .         .         .         .
        7850. C         .         .   I  L  .WE M     .         .         .         .         .         .         .
        7900. C         .         .   I  L  .WE M     .         .         .         .         .         .         .
10.04   7950. C         .         .    I L  .WE M     .         .         .         .         .         .         .
        8000. C         .         .    I L  .WE M     .         .         .         .         .         .         .
        8050. C         .         .    I L  .WE M     .         .         .         .         .         .         .
        8100. C         .         .    I L  .W EM     .         .         .         .         .         .         .
        8150. C                            I LR  W E M
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       8250.  C          .          .   I LR . WE M    .          .          .          .          .          .
10.12  8300.  .          .          .    ILR . WE M    .          .          .          .          .          .
       8350.  C          .          .    ILR . WE M    .          .          .          .          .          .
       8400.  C          .          .    I L . W E M   .          .          .          .          .          .
       8450.  C          .          .    I L . W E M   .          .          .          .          .          .
       8500.  C          .          .     IL . W E M   .          .          .          .          .          .
       8550.  C          .          .     I L.  WE  M  .          .          .          .          .          .
       8600.  C          .          .     I L.  WE  M  .          .          .          .          .          .
       8650.  C          .          .     I L.  WE  M  .          .          .          .          .          .
       8700.  C          .          .      IRL  W E  M .          .          .          .          .          .
10.21  8750.  C          .          .      IRL  W E  M .          .          .          .          .          .
       8800.  C          .          .      IRL   WE  M .          .          .          .          .          .
       8850.  C          .          .      I L   WE  M .          .          .          .          .          .
       8900.  C          .          .       IRL  WE  M .          .          .          .          .          .
       8950.  C          .          .       IRL  WE  M .          .          .          .          .          .
       9000.  C          .          .       I.L  W E  M.          .          .          .          .          .
       9050.  C          .          .        IL   WE  M.          .          .          .          .          .
       9100.  C          .          .        IRL  WE  M.          .          .          .          .          .
       9150.  C          .          .        I L  WE  M.          .          .          .          .          .
10.30  9200.  .          .          .        I L  WE  M.          .          .          .          .          .
       9250.  C          .          .        I L  WE  M.          .          .          .          .          .
       9300.  C          .          .        .IRL  WE M.          .          .          .          .          .
       9350.  C          .          .        .I L  WE M.          .          .          .          .          .
       9400.  C          .          .        .I L  WE M.          .          .          .          .          .
       9450.  C          .          .        .I RL WE  M          .          .          .          .          .
       9500.  C          .          .        .I RL WE  M          .          .          .          .          .
       9550.  C          .          .        .I  L  E  M          .          .          .          .          .
       9600.  C          .          .        .I  RL E  M          .          .          .          .          .
10.40  9650.  C          .          .        .I  RL E  M          .          .          .          .          .
       9700.  C          .          .        .I  RL WE M          .          .          .          .          .
       9750.  C          .          .        .I  RL WE M          .          .          .          .          .
       9800.  C          .          .        . I  RLWE M          .          .          .          .          .
       9850.  C          .          .        . I  RL E M          .          .          .          .          .
       9900.  C          .          .        . I  RL E M          .          .          .          .          .
       9950.  C          .          .        . I  RL WEM          .          .          .          .          .
      10000.  C          .          .        .  I RL WEM          .          .          .          .          .
      10050.  C          .          .        .  I  RLWEM          .          .          .          .          .
      10100.  .       C  .          .        .  I  RLWEM          .          .          .          .          .
10.49 10150.  .          .          .        .  I  RL EM          .          .          .          .          .
      10200.  .          .          .        .  I  RL EM          .          .          .          .          .
      10250.  .          .          .        .  I  RL WE          .          .          .          .          .
      10300.  .          .          .        .   I RL WEM         .          .          .          .          .
      10350.  .          .          .        .   I RL WEM         .          .          .          .          .
      10400.  .          .          .        .   I RL WEM         .          .          .          .          .
      10450.  .          .          .        .   I L  WEM         .          .          .          .          .
      10500.  .          .          .        .   I L   EM         .          .          .          .          .
      10550.  .          .          .        .   I L   WE         .          .          .          .          .
      10600.  .          .          .        .   I L   WEM        .          .          .          .          .
      10650.  .          .          .        .   I L   WEM        .          .          .          .          .
      10700.  .          .          .        .    IL   WEM        .          .          .          .          .
10.62 10750.  .          .          .        .    IL   WEM        .          .          .          .          .
      10800.  .          .          .        .    IL   WEM        .          .          .          .          .
      10850.  .          .          .        .    I L  .WEM       .          .          .          .          .
      10900.  .          .          .        .    I L  .WEM       .          .          .          .          .
      10950.  .          .          .        .    I L  .WE M      .          .          .          .          .
      11000.  .          .          .        .     IL  .WE M      .          .          .          .          .
      11050.  .          .          .        .     I L .W EM      .          .          .          .          .
10.70 11100.  .          .          .        .     I L . WE M     .          .          .          .          .
      11150.  C          .          .        .     I L . WE M     .          .          .          .          .
      11200.  C          .          .        .      I L. WE M     .          .          .          .          .
      11250.  C          .          .        .      I L. WE M     .          .          .          .          .
      11300.  C          .          .        .      I L. WE M     .          .          .          .          .
      11350.  C          .          .        .      I  L  WEM     .          .          .          .          .
      11400.  C          .          .        .      I  L  WEM     .          .          .          .          .
      11450.  C          .          .        .      I  L  WE M    .          .          .          .          .
      11500.  C          .          .        .      I  L  WE M    .          .          .          .          .
      11550.  C          .          .        .      I  .L WE M    .          .          .          .          .
      11600.  C          .          .        .       I .L WE M    .          .          .          .          .
      11650.  C          .          .        .       I .L  E M    .          .          .          .          .
      11700.  C          .          .        .       I . L E M    .          .          .          .          .
10.83 11750.  C          .          .        .       I . L E M    .          .          .          .          .
      11800.  C          .          .        .       I . L WEM    .          .          .          .          .
      11850.  C          .          .        .        I. L WEM    .          .          .          .          .
      11900.  C          .          .        .        I.  LWEM    .          .          .          .          .
      11950.  C          .          .        .        I.  L EM    .          .          .          .          .
      12000.  C          .          .        .        I.  L E M   .          .          .          .          .
      12050.  C          .          .        .         I  L WEM   .          .          .          .          .
      12100.  C          .          .        .         I  L WEM   .          .          .          .          .
      12150.  C          .          .        .         I   LWEM   .          .          .          .          .
      12200.  C          .          .        .         I   LWEM   .          .          .          .          .
10.93 12250.  .          .          .        .         .I  LWEM   .          .          .          .          .
      12300.  C          .          .        .         .I  L EM   .          .          .          .          .
      12350.  C          .          .        .         .I  L WEM  .          .          .          .          .
      12400.  C          .          .        .         .I  L WEM  .          .          .          .          .
      12450.  C          .          .        .         .I  L WE M.           .          .          .          .
      12500.  C          .          .        .         .I   LWE M.           .          .          .          .
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      12650.  C        .        .        .        . I  L E  M        .        .        .        .        .
      12700.  C        .        .        .        . I  L WE .M        .        .        .        .        .
11.04 12750.  C        .        .        .        . I  L WE .M        .        .        .        .        .
      12800.  C        .        .        .        . I  L E .M        .        .        .        .        .
      12850.  C        .        .        .        . I  L E .M        .        .        .        .        .
      12900.  C        .        .        .        . I   LWE.M        .        .        .        .        .
      12950.  C        .        .        .        . I   LWE. M        .        .        .        .        .
      13000.  C        .        .        .        . I    WE. M        .        .        .        .        .
      13050.  C        .        .        .        .  I   W E M        .        .        .        .        .
      13100.  C        .        .        .        .  I    WE M        .        .        .        .        .
      13150.  C        .        .        .        .  I    WE M        .        .        .        .        .
      13200.  C        .        .        .        .  I    WE M        .        .        .        .        .
      13250.  C        .        .        .        .   I   W.E M        .        .        .        .        .
      13300.  C        .        .        .        .   I   W.E M        .        .        .        .        .
      13350.  C        .        .        .        .   I    WELM        .        .        .        .        .
      13400.  C        .        .        .        .   I    W EM        .        .        .        .        .
      13450.  C        .        .        .        .    I   W EL        .        .        .        .        .
      13500.  .        .        .       .C        .    I   W EL        .        .        .        .        .
11.20 13550.  .        .        .        .        .    I   W E L        .        .        .        .        .
      13600.  C        .        .        .        .    I   W E L        .        .        .        .        .
      13650.  C        .        .        .        .    I   W E L        .        .        .        .        .
      13700.  C        .        .        .        .    I   .WE L        .        .        .        .        .
      13750.  C        .        .        .        .    I   .WE L        .        .        .        .        .
      13800.  C        .        .        .        .    I   .WE L        .        .        .        .        .
      13850.  C        .        .        .        .    I   .W EL        .        .        .        .        .
      13900.  C        .        .        .        .    I   .W EL        .        .        .        .        .
      13950.  C        .        .        .        .    I   .W EL        .        .        .        .        .
      14000.  C        .        .        .        .    I   .W ELR        .        .        .        .        .
11.30 14050.  C        .        .        .        .    I   . WE L        .        .        .        .        .
      14100.  C        .        .        .        .    I   . WE L        .        .        .        .        .
      14150.  C        .        .        .        .    I   . WE L        .        .        .        .        .
      14200.  C        .        .        .        .    I   . WE L        .        .        .        .        .
      14250.  C        .        .        .        .     I  . WE L        .        .        .        .        .
      14300.  C        .        .        .        .     I  . WE L        .        .        .        .        .
      14350.  C        .        .        .        .     I  . WE L        .        .        .        .        .
      14400.  C        .        .        .        .     I  . WE LR        .        .        .        .        .
      14450.  C        .        .        .        .     I  . WE LR        .        .        .        .        .
      14500.  C        .        .        .        .     I  . WE  L        .        .        .        .        .
      14550.  C        .        .        .        .     I  . WE  L        .        .        .        .        .
11.40 14600.  C        .        .        .        .     I  . WE  L        .        .        .        .        .
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THIS RUN EXECUTED 01/01/80 07:54:42

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SKUNK CREEK 100YR FLOOD

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
*	8.690	1379.18	.00	1600.00	6.34	13.61	5.75	18816.05	5423.79	820.00	1979.00	2118.00	2420.00
	8.750	1383.56	.00	1360.11	5.24	12.25	4.90	10979.90	3752.02	900.00	1800.00	2040.00	2290.00
*	8.890	1388.46	.00	1190.00	5.12	11.73	4.61	8845.12	2617.78	1280.00	1900.00	2240.00	2470.00
*	8.965	1391.10	.00	1195.00	4.97	11.82	5.71	6845.90	4336.71	1380.00	1955.00	2330.00	2575.00
	9.050	1393.97	.00	1150.00	4.97	9.27	4.21	13266.99	6430.05	1375.00	1905.00	2140.00	2525.00
*	9.090	1394.96	.00	1265.00	2.78	10.75	.00	792.99	.00	1310.00	1720.00	2645.00	2575.00
	9.100	1395.39	.00	1265.00	3.04	9.56	.00	1417.50	.00	1310.00	1720.00	2645.00	2575.00
*	9.115	1395.34	.00	1265.00	1.26	11.06	2.53	398.19	1579.96	1310.00	1710.00	2315.00	2575.00
	9.190	1397.02	.00	1265.00	2.95	6.49	.00	2912.18	.00	1310.00	1670.00	2645.00	2575.00
	9.200	1397.03	.00	1265.00	2.95	6.48	.00	2917.89	.00	1310.00	1670.00	2645.00	2575.00
	9.210	1398.16	.00	1215.00	4.44	9.75	5.50	6863.31	8505.94	1380.00	1865.00	2190.00	2595.00
*	9.310	1401.08	.00	1120.00	4.95	13.41	5.52	9600.69	6564.86	1280.00	1930.00	2115.00	2400.00
	9.400	1404.34	.00	1070.00	5.29	12.30	5.29	8869.65	3582.25	1330.00	1940.00	2200.00	2400.00
	9.480	1407.08	.00	930.00	4.17	9.90	4.71	4018.13	2800.18	1540.00	1945.00	2300.00	2470.00
	9.580	1409.03	.00	720.00	4.01	11.28	6.31	820.77	5028.58	1815.00	1910.00	2340.00	2535.00
*	9.670	1411.61	.00	591.04	5.09	17.14	10.78	1538.59	23323.60	1820.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	547.01	6.62	16.73	8.60	4147.96	11782.94	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	9.040	1418.71	.00	529.25	5.39	12.72	6.29	4667.49	4408.68	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	505.85	7.01	12.76	5.66	10190.94	3395.11	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	553.65	6.08	11.80	4.94	3275.15	3696.76	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	536.14	6.53	15.56	6.24	2729.93	3449.69	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	523.44	6.76	15.52	8.08	1599.55	12834.88	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	930.03	6.87	13.81	6.26	1381.29	11504.68	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1540.00	3.52	8.72	4.00	9772.08	6618.06	950.00	1870.00	2120.00	2490.00
*	10.490	1437.05	.00	1558.81	4.34	11.65	5.68	9898.78	2256.69	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1316.30	4.29	12.94	5.98	8586.21	2404.21	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	902.63	5.22	14.29	6.18	8806.02	3507.33	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1284.65	3.73	10.05	5.32	2425.69	20300.57	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1319.84	6.89	13.40	5.89	4531.61	17455.15	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1092.71	8.30	9.19	5.15	24784.55	9003.13	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	304.67	.00	16.10	.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	313.79	.00	12.47	.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	309.46	.00	13.98	.00	.00	.00	.00	1829.50	2171.50	.00

SKUNK CREEK 100YR FLOOD

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	8.690	1379.18	.00	1380.64	1600.00	18816.05	14760.16	5423.79	1600.00	820.00	1979.00	2118.00	2420.00
	8.750	1383.56	.00	1385.17	1360.11	10979.90	24268.08	3752.02	1390.00	900.00	1800.00	2040.00	2290.00
*	8.890	1388.46	.00	1390.09	1190.00	8845.12	27537.11	2617.78	1190.00	1280.00	1900.00	2240.00	2470.00
*	8.965	1391.10	.00	1392.77	1195.00	6845.90	27817.39	4336.71	1195.00	1380.00	1955.00	2330.00	2575.00
	9.050	1393.97	.00	1394.80	1150.00	13266.99	19302.96	6430.05	1150.00	1375.00	1905.00	2140.00	2525.00
*	9.090	1394.96	.00	1396.72	1265.00	792.99	38207.01	.00	1265.00	1310.00	1720.00	2645.00	2575.00
	9.100	1395.39	.00	1396.77	1265.00	1417.50	37582.50	.00	1265.00	1310.00	1720.00	2645.00	2575.00
*	9.115	1395.34	.00	1397.42	1265.00	398.19	37021.85	1579.96	1265.00	1310.00	1710.00	2315.00	2575.00
	9.190	1397.02	.00	1397.64	1265.00	2912.18	36087.82	.00	1265.00	1310.00	1670.00	2645.00	2575.00
	9.200	1397.03	.00	1397.64	1265.00	2917.89	36082.11	.00	1265.00	1310.00	1670.00	2645.00	2575.00
	9.210	1398.16	.00	1399.21	1215.00	6863.31	23630.75	8505.94	1215.00	1380.00	1865.00	2190.00	2595.00
*	9.310	1401.88	.00	1403.69	1120.00	9600.69	22834.45	6564.86	1120.00	1280.00	1930.00	2115.00	2400.00
	9.400	1404.34	.00	1406.08	1070.00	8869.65	26548.10	3582.25	1070.00	1330.00	1940.00	2200.00	2400.00
	9.480	1407.08	.00	1408.39	930.00	4018.13	32181.69	2800.18	930.00	1540.00	1945.00	2300.00	2470.00
	9.580	1409.03	.00	1410.80	720.00	820.77	33150.64	5028.58	720.00	1815.00	1910.00	2340.00	2535.00
*	9.670	1411.61	.00	1414.36	591.04	1538.59	14137.80	23323.60	-1820.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	1418.41	547.01	4147.96	23069.10	11782.94	.00	.00	1910.00	2035.00	.00
	9.840	1418.71	.00	1420.76	529.25	4667.49	29923.83	4408.68	.00	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	1422.42	505.85	10190.94	25413.95	3395.11	.00	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	1424.11	553.65	3275.15	32028.09	3696.76	.00	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	1426.51	536.14	2729.93	32820.39	3449.69	.00	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	1429.44	523.44	1599.55	24565.57	12834.88	.00	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	1432.76	930.03	1381.29	26114.03	11504.68	.00	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1434.78	1540.00	9772.08	22609.86	6618.06	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1437.05	.00	1438.61	1558.81	9898.78	26844.52	2256.69	-720.00	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1442.40	1316.30	8586.21	28009.59	2404.21	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	1445.90	902.63	8806.02	26686.65	3507.33	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1448.78	1284.65	2425.69	16273.74	20300.57	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1452.50	1319.84	4531.61	17013.25	17455.15	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1455.61	1092.71	24784.55	5212.32	9003.13	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	1464.44	304.67	.00	39000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	1465.62	313.79	.00	39000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	1466.65	309.46	.00	39000.00	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=     8.690  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     8.890  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.890  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     8.965  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.965  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.090  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.090  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.310  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.310  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.310  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.670  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.670  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.750  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.120  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.120  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.300  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.300  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.490  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.490  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.490  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.620  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.620  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.930  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.930  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.930  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    11.200  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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10-YEAR FLOOD PROFILES

Proposed Conditions

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF NOVEMBER 1976                         *
*  UPDATED MAY 1984                                 *
*  IBM-PC-XT VERSION                                *
*  RUN DATE  01/01/80  TIME  00:43:03               *
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 440-2105 (FTS) 448-2105    *
*************************************
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X       X     X           X     X
X     X  X       X                       X
XXXXXXX  XXXX     X         XXXXX   XXXXX
X     X  X       X                 X
X     X  X       X     X           X
X     X  XXXXXXX   XXXXX            XXXXXXX
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THIS RUN EXECUTED 01/01/80 00:43:04

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
*************************************************

T1     SKUNK CREEK FLOODPLAIN ANALYSIS
T2     ADOBE MT. SUBDIVISION
T3     SKUNK CRK  10YR FLOOD Q=12000 CFS POST DEVEL. COND. FULL/OPP. ENCRH.

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0.       3.       0.       0.   .000000     .00      .0       0.  1377.800    .000

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    -1.000    .000     .000     .000     .000     .000     .000     .000     .000     .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000   1.000   52.000   4.000   55.000   26.000   56.000   13.000   15.000   27.000

    21.000  22.000   28.000    .000  110.000    .000  200.000    .000    .000    .000

NC      .045      .045      .035      .100      .300      .000      .000      .000      .000      .000
QT     2.000 12000.000 12000.000      .000      .000      .000      .000      .000      .000      .000
ET     8.690      .000     6.100      .000      .000    820.000   2420.000      .000      .000      .000
X1     8.690    19.000  1979.000  2118.000      .000      .000      .000      .000      .000      .000
GR  1380.000   452.000  1378.000   815.000  1378.000   877.000  1378.000   990.000  1378.000  1448.000
GR  1376.000  1481.000  1372.000  1542.000  1374.000  1675.000  1376.000  1727.000  1376.000  1979.000
GR  1369.800  2000.000  1370.000  2038.000  1372.000  2100.000  1376.000  2118.000  1376.200  2181.000
GR  1376.000  2278.000  1376.000  3560.000  1378.000  3560.000  1380.000  3890.000      .000      .000

ET     8.750      .000     6.100      .000      .000    900.000   2290.000      .000      .000      .000
X1     8.750    26.000  1800.000  2040.000   835.000   733.000    739.000      .000      .000      .000
GR  1390.000   170.000  1388.000   235.000  1386.000   420.000  1384.000   510.000  1383.000   820.000
GR  1382.000  1190.000  1382.000  1435.000  1384.000  1470.000  1384.000  1490.000  1382.000  1500.000
GR  1380.000  1560.000  1378.000  1573.000  1378.000  1600.000  1380.000  1625.000  1378.000  1740.000
GR  1378.000  1790.000  1376.000  1800.000  1376.000  1958.000  1372.000  1975.000  1371.000  2000.000
GR  1380.000  2040.000  1381.000  2290.000  1382.000  2650.000  1382.000  3790.000  1384.000  4050.000
GR  1386.000  4190.000      .000      .000      .000      .000      .000      .000      .000      .000

ET     8.890     4.100     6.100  1280.000  3730.000  1280.000  2470.000      .000      .000      .000
X1     8.890    21.000  1900.000  2240.000   565.000   650.000   840.000      .000      .000      .000
GR  1392.000   675.000  1386.000   780.000  1386.000  1765.000  1384.000  1775.000  1384.000  1805.000
GR  1386.000  1815.000  1384.000  1865.000  1384.000  1900.000  1382.000  1950.000  1382.000  1970.000
GR  1378.000  2000.000  1380.000  2030.000  1382.000  2090.000  1382.000  2230.000  1384.000  2240.000
GR  1386.000  2260.000  1387.000  3440.000  1386.500  3770.000  1387.000  4080.000  1388.000  4230.000
GR  1390.000  4440.000      .000      .000      .000      .000      .000      .000      .000      .000
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ET	8.965	4.100	6.100	1380.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1375.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.090	22.000	1720.000	2575.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.000	1580.000	1393.500	1670.000	1393.000	1720.000	1392.200	1787.000	1391.200	1855.000
GR	1390.200	1935.000	1389.700	2015.000	1389.600	2055.000	1389.800	2135.000	1390.800	2235.000
GR	1392.700	2575.000	1393.000	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
GR	1394.200	3692.000	1394.000	4025.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.100	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.100	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
ET	9.115	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.115	20.000	1630.000	2575.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.500	1530.000
GR	1394.000	1630.000	1393.000	1748.000	1392.000	1820.000	1391.000	1888.000	1390.000	1995.000
GR	1389.900	2055.000	1391.000	2230.000	1392.000	2315.000	1393.000	2575.000	1393.000	2624.000
GR	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000	1394.200	3692.000	1394.000	4175.000
ET	9.190	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.190	20.000	1720.000	2575.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1393.800	1530.000
GR	1393.400	1640.000	1392.800	1720.000	1392.000	1805.000	1391.000	1895.000	1390.400	1975.000
GR	1390.200	2055.000	1390.400	2155.000	1391.700	2315.000	1392.200	2415.000	1392.400	2495.000
GR	1392.400	2575.000	1392.300	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.200	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
NH	5.000	.045	1865.000	.035	1920.000	.030	2514.000	.016	2540.000	.040
NH	4000.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1380.000	2950.000	1380.000	2550.000	.000	.000	.000
X1	9.210	32.000	1865.000	2540.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1393.000	1920.000	1392.000	1942.000	1391.000	2040.000	1390.600	2110.000
GR	1391.000	2190.000	1392.000	2362.000	1393.000	2514.000	1398.500	2540.000	1398.000	2580.000
GR	1398.500	2950.000	1398.500	4000.000	.000	.000	.000	.000	.000	.000
NH	5.000	.045	1930.000	.035	2037.000	.030	2348.000	.016	2388.000	.045
NH	3200.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.310	4.100	6.100	1280.000	2560.000	1280.000	2410.000	.000	.000	.000
X1	9.310	27.000	1930.000	2403.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1395.000	1940.000	1393.000	1950.000	1392.000	2037.000	1391.500	2080.000
GR	1392.000	2220.000	1393.000	2348.000	1398.000	2388.000	1400.000	2392.000	1401.000	2403.000
GR	1402.000	2410.000	1402.700	3200.000	.000	.000	.000	.000	.000	.000
NC	.040	.040	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.400	4.100	6.100	1330.000	2500.000	1330.000	2460.000	.000	.000	.000
X1	9.400	34.000	1940.000	2454.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2225.000
GR	1400.000	2235.000	1395.000	2260.000	1394.000	2270.000	1393.600	2310.000	1394.000	2348.000
GR	1395.000	2410.000	1402.000	2440.000	1405.000	2454.000	1405.500	2600.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	625.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.500	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2085.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1426.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
NC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1680.000	1450.000	1740.000	1451.000	1850.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2880.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690

3470 ENCROACHMENT STATIONS=     820.0    2420.0  TYPE=     1  TARGET=    1600.000
     8.69      8.00  1377.80      .00       .00  1378.21     .41       .00       .00  1376.00
   12000.     5004.    5862.    1134.     1496.     893.     528.       0.        0.   1376.00
      .00      3.34     6.56     2.15      .045     .035     .045      .000  1369.80  1451.30
  .002027        0.       0.       0.         0        0        0       .00   968.70  2420.00

*SECNO 8.750

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=     900.0    2290.0  TYPE=     1  TARGET=    1390.000
     8.75      8.76  1379.76  1379.60       .00  1381.26    1.50      2.73       .33  1376.00
   12000.     1063.   10937.       0.      283.    1070.      0.       38.       13.   1380.00
      .02      3.76    10.22      .00      .045     .035     .045      .000  1371.00  1561.53
  .007910      835.     739.     733.         5        8        0       .00   461.00  2038.96

*SECNO 8.890

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1280.0    2470.0  TYPE=     1  TARGET=    1190.000
     8.89      7.71  1385.71      .00       .00  1386.69     .99      5.38       .05  1384.00
   12000.      501.   11467.      32.      162.    1410.     15.       65.       21.   1384.00
      .05      3.09     8.13     2.20      .045     .035     .045      .000  1378.00  1766.46
  .005513      565.     840.     650.         3        0        0       .00   481.83  2257.07
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 8.965

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1380.0    2575.0  TYPE=     1  TARGET=    1195.000
     8.97      7.34  1388.34  1388.34      .00  1389.56     1.22      2.66       .07  1388.00
   12000.      109.   11770.     121.      78.     1318.      83.       79.       27.  1388.00
      .06      1.40     8.93     1.46     .045      .035     .045      .000   1381.00  1380.00
  .008305      275.     400.     410.        2         8        0       .00    878.73  2575.00

*SECNO 9.050

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1375.0    2525.0  TYPE=     1  TARGET=    1150.000
     9.05      9.06  1391.06      .00      .00  1391.50      .44      1.87       .08  1388.00
   12000.     2791.    8589.     620.    1131.     1400.     409.      104.       37.  1390.00
      .09      2.47     6.14     1.52     .045      .035     .045      .000   1382.00  1375.00
  .001955      410.     550.     370.        3         0        0       .00   1150.00  2525.00

*SECNO 9.090
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.09      3.29  1392.89  1392.89      .00  1393.83      .94      1.45       .15  1393.00
   12000.        0.   11999.       1.       0.     1544.       1.      121.       44.  1392.70
      .10       .00     7.77     1.25     .045      .035     .045      .000   1389.60  1729.08
  .015019      328.     348.     278.       20        22        0       .00    850.92  2580.00

*SECNO 9.100

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.10      3.31  1392.91  1392.90      .00  1393.84      .92       .01       .00  1393.00
   12000.        0.   11999.       1.       0.     1557.       1.      121.       44.  1392.70
      .10       .00     7.71      .59     .045      .016     .045      .000   1389.60  1727.82
  .003060        1.       1.       1.        0         5        0       .00    852.18  2580.00
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.115
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.11      3.41  1393.31  1393.31      .00  1394.24      .93      .07       .00  1394.00
   12000.        0.   11999.       1.       0.    1551.       2.     122.      45.   1393.00
      .11       .00     7.73      .81     .045     .016     .045     .000  1389.90  1711.80
  .003173       22.      22.      22.       20        8        0      .00   868.20  2580.00

*SECNO 9.190

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.19      3.65  1393.85      .00      .00  1394.34      .50      .07       .04  1392.80
   12000.       66.   11925.       9.      87.    2100.       7.     123.      46.   1392.40
      .11       .76     5.68     1.20     .045     .016     .045     .000  1390.20  1515.13
  .001129       37.      37.      37.        4        0        0      .00  1064.86  2580.00

*SECNO 9.200

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.20      3.66  1393.86      .00      .00  1394.35      .48      .00       .00  1392.80
   12000.      147.   11834.      19.      89.    2108.       7.     124.      46.   1392.40
      .11      1.65     5.61     2.59     .045     .035     .045     .000  1390.20  1511.95
  .005251        1.       1.       1.        1        0        0      .00  1068.05  2580.00

1490 NH CARD USED
*SECNO 9.210

3470 ENCROACHMENT STATIONS=    1380.0    2550.0  TYPE=     1  TARGET=    1170.000
     9.21      4.90  1395.50      .00      .00  1395.83      .33     1.47       .01  1394.00
   12000.      500.   11500.       0.     335.    2430.       0.     155.      58.   1398.50
      .14      1.49     4.73      .00     .045     .030     .045     .000  1390.60  1562.77
  .001579      422.      562.     462.        2        0        0      .00   963.04  2525.81

1490 NH CARD USED
*SECNO 9.310
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    1280.0    2410.0  TYPE=     1  TARGET=    1130.000
     9.31      5.08  1396.58     .00       .00  1397.24     .66      1.31      .10  1398.00
   12000.        0.  12000.      0.        0.    1843.      0.      188.      68.   1401.00
      .17       .00     6.51     .00      .045     .031    .045      .000  1391.50  1934.73
  .002721     400.     650.     480.        2        0       0       .00   441.93  2376.66

*SECNO 9.400

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    1330.0    2460.0  TYPE=     1  TARGET=    1130.000
     9.40      4.81  1398.41     .00       .00  1399.53    1.12      2.15      .14  1402.00
   12000.        0.  12000.      0.        0.    1411.      0.      207.      73.   1405.00
      .19       .00     8.51     .00      .040     .035    .040      .000  1393.60  1980.97
  .007415     370.     510.     420.        3        0       0       .00   395.37  2424.61

1490 NH CARD USED
*SECNO 9.480

3470 ENCROACHMENT STATIONS=    1540.0    2470.0  TYPE=     1  TARGET=     930.000
     9.48      6.28  1402.28     .00       .00  1403.21     .93      3.66      .02  1404.00
   12000.        0.  11999.      1.        0.    1554.      1.      224.      77.   1402.00
      .20       .00     7.72     .70      .040     .045    .050      .000  1396.00  1952.15
  .007507     370.     490.     420.        3        0       0       .00   357.79  2309.94

*SECNO 9.580

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    1815.0    2535.0  TYPE=     1  TARGET=     720.000
     9.58      6.76  1405.26     .00       .00  1406.33    1.06      3.07      .04  1407.50
   12000.        0.  11678.    322.        0.    1394.    116.      240.      81.   1406.00
      .22       .00     8.38    2.77      .045     .035    .045      .000  1398.50  1969.62
  .006241     390.     450.     460.        2        0       0       .00   466.01  2531.51
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.670

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    1820.0    2480.0  TYPE=     1  TARGET=   -1820.000
     9.67      7.97  1407.97      .00       .00  1409.40     1.43      2.97       .11  1408.00
   12000.        0.     5928.    6072.        0.     498.     918.      254.      85.   1408.00
      .23       .00    11.92     6.61      .045     .035     .045      .000  1400.00  1970.10
  .008367      470.     410.     420.         2        0        0       .00   398.84  2394.16

*SECNO 9.750

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75      9.24  1410.94  1410.94       .00  1413.00     2.05      2.92       .19  1410.00
   12000.       49.    10108.    1843.       24.     820.     353.      265.      88.   1410.00
      .24      2.06    12.32     5.23      .045     .035     .045      .000  1401.70  1775.84
  .006989      390.     370.     410.         2        8        0       .00   317.47  2186.80

*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     11.14  1414.14      .00       .00  1415.14     1.01      2.04       .10  1414.00
   12000.       11.    11577.     412.       24.    1416.     154.      281.      93.   1410.00
      .26       .47     8.18     2.68      .045     .035     .045      .000  1403.00  1779.48
  .002855      500.     480.     490.         2        0        0       .00   481.91  2261.39

*SECNO 9.940
     9.94      9.62  1415.62      .00       .00  1416.55      .93      1.40       .01  1410.00
   12000.     1641.    10045.     314.      479.    1204.     105.      300.      98.   1412.00
      .28      3.43     8.34     2.99      .045     .035     .045      .000  1406.00  1775.69
  .002624      430.     520.     470.         3        0        0       .00   395.52  2171.21
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.040
    10.04      8.15   1417.15       .00       .00   1418.08       .93      1.52       .00   1414.00
   12000.      277.    11573.      150.       99.    1476.       59.      322.      102.    1414.00
      .30      2.79      7.84      2.53      .045      .035      .045      .000   1409.00   1857.04
  .003034      540.      540.      540.         2         0         0       .00    351.66   2208.70

*SECNO 10.120

3301 HV CHANGED MORE THAN HVINS

    10.12      6.75   1418.25       .00       .00   1419.90      1.65      1.61       .22   1414.00
   12000.      256.    11612.      132.       60.    1109.       44.      334.      105.    1416.00
      .31      4.26     10.47      2.98      .045      .035      .045      .000   1411.50   1871.69
  .006203      450.      380.      420.         2         0         0       .00    267.00   2138.70

*SECNO 10.210
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.21      6.85   1422.35   1422.35       .00   1424.05      1.70      3.24       .01   1420.00
   12000.       93.     9667.     2240.       28.     852.      407.      347.      109.    1418.00
      .32      3.35     11.34      5.50      .045      .035      .045      .000   1415.50   1856.47
  .008331      490.      450.      475.         8         5         0       .00    385.29   2241.76

*SECNO 10.300

3265 DIVIDED FLOW

    10.30      5.79   1426.59   1426.53       .00   1428.24      1.65      4.19       .00   1424.00
   12000.      114.    10882.     1005.       25.    1014.      231.      360.      113.    1424.00
      .33      4.51     10.73      4.35      .045      .040      .050      .000   1420.80   1840.56
  .010885      460.      440.      450.         4         9         0       .00    409.77   2702.22

*SECNO 10.400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=     950.0    2490.0  TYPE=     1  TARGET=    1540.000
    10.40      8.03  1430.03      .00       .00  1430.84      .81      2.52       .08  1430.00
   12000.        0.   11674.     326.        1.    1599.     183.      376.      118.   1428.00
      .35       .13     7.30     1.79      .045     .040     .050      .000  1422.00  1306.59
  .003273      480.     460.     470.         3        0        0       .00   649.75  2490.00

*SECNO 10.490

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     720.0    2310.0  TYPE=     1  TARGET=    -720.000
    10.49      6.52  1433.02  1433.02       .00  1434.85     1.83      2.82       .31  1434.00
   12000.        0.   11952.      48.        0.    1100.      21.      392.      123.   1432.00
      .36       .00     10.86    2.27      .045     .040     .050      .000  1426.50  1897.22
  .014331      420.     470.     450.        20       16        0       .00   328.67  2225.89

*SECNO 10.620

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62      8.03  1437.23      .00       .00  1438.09      .86      3.14       .10  1432.00
   12000.      438.   11092.     471.      122.    1444.     160.      411.      128.   1432.00
      .38      3.57     7.68     2.95      .045     .035     .050      .000  1429.20  1744.64
  .002751      605.     590.     600.         4        0        0       .00   336.37  2081.01

*SECNO 10.700

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1  TARGET=    -800.000
    10.70      6.15  1438.65  1438.65      .00  1440.78     2.13      1.73       .38  1436.00
   12000.      255.   11426.     320.      60.     955.      81.      424.      131.   1436.00
      .39      4.22    11.97     3.94     .045     .035     .050      .000  1432.50  1871.91
  .008929      405.     380.     390.      20       15        0       .00   279.57  2186.62

*SECNO 10.830

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1080.0    2875.0  TYPE=     1  TARGET=   -1080.000
    10.83      8.33  1444.33      .00      .00  1445.05      .71      4.13       .14  1444.00
   12000.        4.    7227.    4769.       6.     907.    1091.      447.      138.   1444.00
      .42       .69     7.97     4.37     .045     .035     .050      .000  1436.00  1675.80
  .004745      645.     650.     650.       2        0        0       .00   749.85  2799.18

*SECNO 10.930
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93      7.41  1448.41  1448.41      .00  1449.50     1.09      2.83       .11  1448.00
   12000.     1127.    8095.    2778.     235.     824.     779.      469.      148.   1448.00
      .44      4.80     9.83     3.57     .045     .035     .050      .000  1441.00  1793.82
  .006841      500.     500.     500.      20       12        0       .00   905.64  2699.46

*SECNO 11.040

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
11.04	7.87	1451.87	.00	.00	1452.39	.52	2.84	.06	1450.00
12000.	9735.	1368.	896.	1595.	261.	429.	493.	159.	1450.00
.46	6.10	5.23	2.09	.045	.035	.050	.000	1444.00	1462.34
.004792	500.	500.	500.	1	0	0	.00	1077.66	2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

11.20	3.87	1455.87	1455.87	.00	1457.79	1.92	3.14	.42	1467.00
12000.	0.	12000.	0.	0.	1079.	0.	521.	171.	1467.00
.48	.00	11.12	.00	.045	.020	.050	.000	1452.00	1856.75
.003850	680.	770.	755.	3	8	0	.00	286.49	2143.25

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS

11.30	5.50	1458.00	.00	.00	1458.93	.93	1.04	.10	1469.00
12000.	0.	12000.	0.	0.	1551.	0.	537.	174.	1469.50
.50	.00	7.74	.00	.045	.020	.050	.000	1452.50	1853.50
.001190	528.	528.	528.	2	0	0	.00	292.99	2146.50

*SECNO 11.400

11.40	4.52	1458.52	.00	.00	1459.92	1.39	.85	.14	1471.50
12000.	0.	12000.	0.	0.	1267.	0.	554.	178.	1472.00
.51	.00	9.47	.00	.045	.020	.050	.000	1454.00	1855.45
.002288	528.	528.	528.	3	0	0	.00	289.10	2144.55

PROFILE FOR STREAM KUNK CRK 100YR FLOOD Q=3

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

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ELEVATION  1360.     1380.     1400.     1420.     1440.     1460.     1480.     1500.     1520.     1540.
    SECNO  CUMDIS

     8.69     0.  C   I  LEM        .         .         .         .         .         .         .         .         .
             50.  C   I  LEM        .         .         .         .         .         .         .         .         .
            100.  C   I  LEM        .         .         .         .         .         .         .         .         .
            150.  C   I  LE.M       .         .         .         .         .         .         .         .         .
            200.  C   I  LWEM       .         .         .         .         .         .         .         .         .
            250.  C   I  LWEM       .         .         .         .         .         .         .         .         .
            300.  C   I  LWEM       .         .         .         .         .         .         .         .         .
            350.  C   I  LWEM       .         .         .         .         .         .         .         .         .
            400.  C   I  LWE M      .         .         .         .         .         .         .         .         .
            450.  C   I  LWE M      .         .         .         .         .         .         .         .         .
            500.  C   I  LRE M      .         .         .         .         .         .         .         .         .
            550.  C   I  LRE M      .         .         .         .         .         .         .         .         .
            600.  C   I  L E M      .         .         .         .         .         .         .         .         .
            650.  C   I  L E  M     .         .         .         .         .         .         .         .         .
            700.  C   I  L WE M     .         .         .         .         .         .         .         .         .
     8.75   750.  .    I L WE M     .         .         .         .         .         .         .         .         .
            800.  C    I L WE M     .         .         .         .         .         .         .         .         .
            850.  C    I L WE M     .         .         .         .         .         .         .         .         .
            900.  C    I  LWE M     .         .         .         .         .         .         .         .         .
            950.  C    I  LRE M     .         .         .         .         .         .         .         .         .
           1000.  C     I L.E  M    .         .         .         .         .         .         .         .         .
           1050.  C     I L.WE M    .         .         .         .         .         .         .         .         .
           1100.  C     I  LWE M    .         .         .         .         .         .         .         .         .
           1150.  C     I  LWE M    .         .         .         .         .         .         .         .         .
           1200.  C     I  LWE M    .         .         .         .         .         .         .         .         .
           1250.  C      I LRE M    .         .         .         .         .         .         .         .         .
           1300.  C      I .LE M    .         .         .         .         .         .         .         .         .
           1350.  C      I .LWEM    .         .         .         .         .         .         .         .         .
           1400.  C      I .LWE M   .         .         .         .         .         .         .         .         .
           1450.  C      I .LWE M   .         .         .         .         .         .         .         .         .
           1500.  C       I. LE M   .         .         .         .         .         .         .         .         .
           1550.  C       I. LE M   .         .         .         .         .         .         .         .         .
     8.89  1600.  C       I. LE M   .         .         .         .         .         .         .         .         .
           1650.  C       I. LWEM   .         .         .         .         .         .         .         .         .
           1700.  C       I.  WEM   .         .         .         .         .         .         .         .         .
           1750.  C        I  WEM   .         .         .         .         .         .         .         .         .
           1800.  C        I  LE M  .         .         .         .         .         .         .         .         .
           1850.  C        I  LE M  .         .         .         .         .         .         .         .         .
           1900.  C        I   E M  .         .         .         .         .         .         .         .         .
           1950.  C        I   WEM  .         .         .         .         .         .         .         .         .
     8.97  2000.  .        .I  WEM  .         .         .         .         .         .         .         .         .
           2050.  C        .I  WEM  .         .         .         .         .         .         .         .         .
           2100.  C        .I  WEM  .         .         .         .         .         .         .         .         .
           2150.  C        .I  LEM  .         .         .         .         .         .         .         .         .
           2200.  C        .I  LEM  .         .         .         .         .         .         .         .         .
           2250.  C        .I  LEM  .         .         .         .         .         .         .         .         .
           2300.  C        .I  LE M .         .         .         .         .         .         .         .         .
           2350.  C        .I  LE M .         .         .         .         .         .         .         .         .
           2400.  C        .I  LE M .         .         .         .         .         .         .         .         .
           2450.  C        .I  LWEM .         .         .         .         .         .         .         .         .
           2500.  C        .I  LWEM .         .         .         .         .         .         .         .         .
     9.05  2550.  C        .I  LREM .         .         .         .         .         .         .         .         .
           2600.  C        . I LREM .         .         .         .         .         .         .         .         .
           2650.  C        . I  LEM .         .         .         .         .         .         .         .         .
           2700.  C        .  I LEM .         .         .         .         .         .         .         .         .
           2750.  C        .  I LEM .         .         .         .         .         .         .         .         .
           2800.  C        .   I WE .         .         .         .         .         .         .         .         .
           2850.  C        .   I WE .         .         .         .         .         .         .         .         .
     9.09  2900.  .        .    IWE .         .         .         .         .         .         .         .         .
     9.10  2950.  .        .    IWE .         .         .         .         .         .         .         .         .
     9.11  3000.  .        .    I E .         .         .         .         .         .         .         .         .
     9.19  3050.  C        .    ILE .         .         .         .         .         .         .         .         .
     9.20  3100.  C        .    ILE .         .         .         .         .         .         .         .         .
           3150.  C        .    ILE .         .         .         .         .         .         .         .         .
           3200.  C        .    I E .         .         .         .         .         .         .         .         .
           3250.  C        .    I EM .        .         .         .         .         .         .         .         .
           3300.  C        .    I EM .        .         .         .         .         .         .         .         .
           3350.  C        .    I WE .        .         .         .         .         .         .         .         .
           3400.  C        .    I WE .        .         .         .         .         .         .         .         .
           3450.  C        .    I WE .        .         .         .         .         .         .         .         .
     9.21  3500.  C        .    I LER.        .         .         .         .         .         .         .         .
           3550.  C        .    I LER.        .         .         .         .         .         .         .         .
           3600.  C        .    I LERM        .         .         .         .         .         .         .         .
           3650.  C        .    I LE R
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       3700. C        .   I  E R        .         .         .         .         .         .         .         .
       3750. C        .   I  E R        .         .         .         .         .         .         .         .
       3800. C        .    I E R        .         .         .         .         .         .         .         .
       3850. C        .    I E R        .         .         .         .         .         .         .         .
       3900. C        .    I E RM       .         .         .         .         .         .         .         .
       3950. C        .    I E RM       .         .         .         .         .         .         .         .
       4000. C        .    I ELRM       .         .         .         .         .         .         .         .
       4050. C        .    I WERM       .         .         .         .         .         .         .         .
       4100. C        .    I WERM       .         .         .         .         .         .         .         .
 9.31  4150. C        .    I WE.R       .         .         .         .         .         .         .         .
       4200. C        .    I WE.R       .         .         .         .         .         .         .         .
       4250. C        .    I WE.RM      .         .         .         .         .         .         .         .
       4300. C        .    I  ELRM      .         .         .         .         .         .         .         .
       4350. C        .    I  ELRM      .         .         .         .         .         .         .         .
       4400. C        .    I  ELRM      .         .         .         .         .         .         .         .
       4450. C        .    I  EL R      .         .         .         .         .         .         .         .
       4500. C        .    I  EL R      .         .         .         .         .         .         .         .
       4550. C        .     I WELR      .         .         .         .         .         .         .         .
       4600. C        .     I WELRM     .         .         .         .         .         .         .         .
       4650. C        .     I WELRM     .         .         .         .         .         .         .         .
 9.40  4700. C        .     I WEL R     .         .         .         .         .         .         .         .
       4750. C        .     I WELRM     .         .         .         .         .         .         .         .
       4800. C        .     I  ELRM     .         .         .         .         .         .         .         .
       4850. C        .     I  ELRM     .         .         .         .         .         .         .         .
       4900. C        .     I  WER M    .         .         .         .         .         .         .         .
       4950. C        .     I  WEL M    .         .         .         .         .         .         .         .
       5000. C        .      I WEL M    .         .         .         .         .         .         .         .
       5050. C        .      I .EL M    .         .         .         .         .         .         .         .
       5100. C        .      I .EL  M   .         .         .         .         .         .         .         .
 9.48  5150. C        .      I .WE  M   .         .         .         .         .         .         .         .
       5200. C        .      I .WE  M   .         .         .         .         .         .         .         .
       5250. C        .      I .WE  M   .         .         .         .         .         .         .         .
       5300. C        .      I . EL M   .         .         .         .         .         .         .         .
       5350. C        .       I. EL M   .         .         .         .         .         .         .         .
       5400. C        .       I. EL M   .         .         .         .         .         .         .         .
       5450. C        .       I. WE M   .         .         .         .         .         .         .         .
       5500. C        .       I. WE M   .         .         .         .         .         .         .         .
       5550. C        .       I. WELM   .         .         .         .         .         .         .         .
 9.58  5600. C        .       I.  ELM   .         .         .         .         .         .         .         .
       5650. C        .       I.  EL M  .         .         .         .         .         .         .         .
       5700. C        .       I.  WE  M .         .         .         .         .         .         .         .
       5750. C        .        I  WE   M .        .         .         .         .         .         .         .
       5800. C        .        I  WE    M.        .         .         .         .         .         .         .
       5850. C        .        I  WE     M        .         .         .         .         .         .         .
       5900. C        .        I   E     .M       .         .         .         .         .         .         .
       5950. C        .        I   E     . M      .         .         .         .         .         .         .
       6000. C        .        I   WE    .  M     .         .         .         .         .         .         .
 9.67  6050. C        .        I   WE    .  M     .         .         .         .         .         .         .
       6100. C        .        I   WE    .  M     .         .         .         .         .         .         .
       6150. C        .        I   WE    .  M     .         .         .         .         .         .         .
       6200. C        .        I   LE    .  M     .         .         .         .         .         .         .
       6250. C        .        I    WE   . M      .         .         .         .         .         .         .
       6300. C        .        .I   WE   . M      .         .         .         .         .         .         .
       6350. C        .        .I   WE   . M      .         .         .         .         .         .         .
 9.75  6400.          .        .I   W E  . M      .         .         .         .         .         .         .
       6450. C        .        .I   LWE  . M      .         .         .         .         .         .         .
       6500. C        .        .I   LWE  .  M     .         .         .         .         .         .         .
       6550. C        .        .I   RWE  .  M     .         .         .         .         .         .         .
       6600. C        .        .I   RWE  .  M     .         .         .         .         .         .         .
       6650. C        .        .I   RWE  .   M    .         .         .         .         .         .         .
       6700. C        .        .I   RWE  .   M    .         .         .         .         .         .         .
       6750. C        .        .I   RLE  .   M    .         .         .         .         .         .         .
       6800. C        .        .I   R E  .    M   .         .         .         .         .         .         .
       6850. C        .        .I   R WE .    M   .         .         .         .         .         .         .
 9.84  6900. C        .        . I  R WE .    M   .         .         .         .         .         .         .
       6950. C        .        . I  R WE .    M   .         .         .         .         .         .         .
       7000. C        .        . I  R WE .    M   .         .         .         .         .         .         .
       7050. C        .        . I  RLWE .    M   .         .         .         .         .         .         .
       7100. C        .        . I  RLWE .    M   .         .         .         .         .         .         .
       7150. C        .        . I  RLWE .    M   .         .         .         .         .         .         .
       7200. C        .        . I   LWE .    M   .         .         .         .         .         .         .
       7250. C        .        .  I  L E .    M   .         .         .         .         .         .         .
       7300. C        .        .  I LR E .    M   .         .         .         .         .         .         .
       7350. C        .        .  I LR E .    M   .         .         .         .         .         .         .
 9.94  7400. C        .        .  I LR E .    M   .         .         .         .         .         .         .
       7450. C        .        .  I LR E .    M   .         .         .         .         .         .         .
       7500. C        .        .  I LR E .    M   .         .         .         .         .         .         .
       7550. C        .        .  I  L E .    M   .         .         .         .         .         .         .
       7600. C        .        .   I L WE.    M   .         .         .         .         .         .         .
       7650. C        .        .   I L WE.    M   .         .         .         .         .         .         .
       7700. C        .        .   I LRWE.   M    .         .         .         .         .         .         .
       7750. C        .        .   I LRWE.   M    .         .         .         .         .         .         .
       7800. C        .        .   I LRWE.   M    .         .         .         .         .         .         .
       7850. C        .        .   I  LWE.   M    .         .         .         .         .         .         .
       7900. C        .        .   I  L E.   M    .         .         .         .         .         .         .
10.04  7950. C        .        .    I L E.   M    .         .         .         .         .         .         .
       8000. C        .        .    I L E.   M    .         .         .         .         .         .         .
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        8100. C        .        .  I L E.   M    .        .        .        .        .        .
        8150. C        .        .  I LRWE    M   .        .        .        .        .        .
        8200. C        .        .  I LRWE    M   .        .        .        .        .        .
        8250. C        .        .  I LRWE    M   .        .        .        .        .        .
10.12   8300. C        .        .   ILRWE    M   .        .        .        .        .        .
        8350. C        .        .   ILRWE    M   .        .        .        .        .        .
        8400. C        .        .   I L E     M  .        .        .        .        .        .
        8450. C        .        .   I L WE    M  .        .        .        .        .        .
        8500. C        .        .    IL WE    M  .        .        .        .        .        .
        8550. C        .        .    I LWE     M .        .        .        .        .        .
        8600. C        .        .    I LWE     M .        .        .        .        .        .
        8650. C        .        .    I L.WE    M .        .        .        .        .        .
        8700. C        .        .     IRLWE     M.        .        .        .        .        .
10.21   8750. .        .        .     IRLWE     M.        .        .        .        .        .
        8800. .        .        .     IRLWE     M.        .        .        .        .        .
        8850. .        .        .     I L WE    M.        .        .        .        .        .
        8900. .        .        .      IRLWE    M.        .        .        .        .        .
        8950. .        .        .      IRLWE    M.        .        .        .        .        .
        9000. .        .        .      I.LWE     M.       .        .        .        .        .
        9050. .        .        .       IL E     M.       .        .        .        .        .
        9100. .        .        .       IRLWE    M.       .        .        .        .        .
        9150. .        .        .       I LWE    M.       .        .        .        .        .
10.30   9200. .        .        .       I LWE    M.       .        .        .        .        .
        9250. C        .        .       I LWE    M.       .        .        .        .        .
        9300. C        .        .       .IRLE    M.       .        .        .        .        .
        9350. C        .        .       .I LWE   M.       .        .        .        .        .
        9400. C        .        .       .I LWE   M.       .        .        .        .        .
        9450. C        .        .       .I RWE    M       .        .        .        .        .
        9500. C        .        .       .I RWE    M       .        .        .        .        .
        9550. C        .        .       .I  LE    M       .        .        .        .        .
        9600. C        .        .       .I  RE    M       .        .        .        .        .
10.40   9650. C        .        .       .I  RE    M       .        .        .        .        .
        9700. C        .        .       .I  RWE   M       .        .        .        .        .
        9750. C        .        .       .I  RWE   M       .        .        .        .        .
        9800. C        .        .       . I  WE   M       .        .        .        .        .
        9850. C        .        .       . I  RE   M       .        .        .        .        .
        9900. C        .        .       . I  RE   M       .        .        .        .        .
        9950. C        .        .       . I  RWE  M       .        .        .        .        .
       10000. C        .        .       .  I RWE  M       .        .        .        .        .
       10050. C        .        .       .  I  WE  M       .        .        .        .        .
       10100. .     C  .        .       .  I  WE  M       .        .        .        .        .
10.49  10150. .        .        .       .  I  RE  M       .        .        .        .        .
       10200. C        .        .       .  I  RWE M       .        .        .        .        .
       10250. C        .        .       .  I  RWE M       .        .        .        .        .
       10300. C        .        .       .   I RWE .M      .        .        .        .        .
       10350. C        .        .       .   I RWE .M      .        .        .        .        .
       10400. C        .        .       .   I RWE .M      .        .        .        .        .
       10450. C        .        .       .   I L E .M      .        .        .        .        .
       10500. C        .        .       .   I L E .M      .        .        .        .        .
       10550. C        .        .       .   I L WE.M      .        .        .        .        .
       10600. C        .        .       .   I L WE. M     .        .        .        .        .
       10650. C        .        .       .   I L WE. M     .        .        .        .        .
       10700. C        .        .       .    IL WE. M     .        .        .        .        .
10.62  10750. C        .        .       .    IL  E. M     .        .        .        .        .
       10800. C        .        .       .    IL  E. M     .        .        .        .        .
       10850. C        .        .       .    I L E.  M    .        .        .        .        .
       10900. C        .        .       .    I L WE  M    .        .        .        .        .
       10950. C        .        .       .    I L WE   M   .        .        .        .        .
       11000. C        .        .       .     IL WE   M   .        .        .        .        .
       11050. C        .        .       .     I LWE   M   .        .        .        .        .
10.70  11100. .        .        .       .     I LWE    M  .        .        .        .        .
       11150. C        .        .       .     I L WE   M  .        .        .        .        .
       11200. C        .        .       .      I LWE   M  .        .        .        .        .
       11250. C        .        .       .      I LWE   M  .        .        .        .        .
       11300. C        .        .       .      I LWE   M  .        .        .        .        .
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       11400. C        .        .       .      I  LE   M  .        .        .        .        .
       11450. C        .        .       .      I  LWE   M .        .        .        .        .
       11500. C        .        .       .      I  LWE   M .        .        .        .        .
       11550. C        .        .       .      I  .WE   M .        .        .        .        .
       11600. C        .        .       .       I .LE   M .        .        .        .        .
       11650. C        .        .       .       I .LE   M .        .        .        .        .
       11700. C        .        .       .       I . E   M .        .        .        .        .
10.83  11750. C        .        .       .       I . WE  M .        .        .        .        .
       11800. C        .        .       .       I . WE  M .        .        .        .        .
       11850. C        .        .       .        I. LE  M .        .        .        .        .
       11900. C        .        .       .        I.  E  M .        .        .        .        .
       11950. C        .        .       .        I.  E  M .        .        .        .        .
       12000. C        .        .       .        I.  WE  M.        .        .        .        .
       12050. C        .        .       .         I  WE  M.        .        .        .        .
       12100. C        .        .       .         I  LE  M.        .        .        .        .
       12150. C        .        .       .         I   E  M.        .        .        .        .
       12200. C        .        .       .         I   WE M.        .        .        .        .
10.93  12250. .        .        .       .         .I  WE M.        .        .        .        .
       12300. C        .        .       .         .I  WE M.        .        .        .        .
       12350. C        .        .       .         .I  LE  M.       .        .        .        .
       12400. C        .        .       .         .I  LE  M.       .        .        .        .
       12450. C        .        .       .         .I  LE   M       .        .        .        .
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      12500. C     .     .     .     .I   E   W.    .     .     .     .     .
      12550. C     .     .     .     .I   WE  M.    .     .     .     .     .
      12600. C     .     .     .     . I  WE   M    .     .     .     .     .
      12650. C     .     .     .     . I  LE   M    .     .     .     .     .
      12700. C     .     .     .     . I  LE   .M   .     .     .     .     .
11.04 12750. C     .     .     .     . I  LE   .M   .     .     .     .     .
      12800. C     .     .     .     . I   E   .M   .     .     .     .     .
      12850. C     .     .     .     .  I  WE  .M   .     .     .     .     .
      12900. C     .     .     .     .  I  WE  .M   .     .     .     .     .
      12950. C     .     .     .     .  I  WE  . M  .     .     .     .     .
      13000. C     .     .     .     .  I   EL . M  .     .     .     .     .
      13050. C     .     .     .     .   I  EL . M  .     .     .     .     .
      13100. C     .     .     .     .   I  E L. M  .     .     .     .     .
      13150. C     .     .     .     .   I  WEL. M  .     .     .     .     .
      13200. C     .     .     .     .   I  WE L M  .     .     .     .     .
      13250. C     .     .     .     .    I WE .L M .     .     .     .     .
      13300. C     .     .     .     .    I WE .L M .     .     .     .     .
      13350. C     .     .     .     .    I WE . LM .     .     .     .     .
      13400. C     .     .     .     .    I  E . LM .     .     .     .     .
      13450. C     .     .     .     .     I WE.  L  .     .     .     .     .
      13500. .     .     .     C.    .     I WE.  L  .     .     .     .     .
11.20 13550. .     .     .     .     .     I WE.   L .     .     .     .     .
      13600. C     .     .     .     .     I WE.   L .     .     .     .     .
      13650. C     .     .     .     .     I WE.   L .     .     .     .     .
      13700. C     .     .     .     .     I WE.   L .     .     .     .     .
      13750. C     .     .     .     .     I WE.   L .     .     .     .     .
      13800. C     .     .     .     .     I WE.   L .     .     .     .     .
      13850. C     .     .     .     .     I  E.   L .     .     .     .     .
      13900. C     .     .     .     .     I  E.   L .     .     .     .     .
      13950. C     .     .     .     .     I  E.   L .     .     .     .     .
      14000. C     .     .     .     .     I  E.   LR .     .     .     .     .
11.30 14050. C     .     .     .     .     I  E.    L .     .     .     .     .
      14100. C     .     .     .     .     I  WE    L .     .     .     .     .
      14150. C     .     .     .     .     I  WE    L .     .     .     .     .
      14200. C     .     .     .     .     I  WE    L .     .     .     .     .
      14250. C     .     .     .     .      I WE    L .     .     .     .     .
      14300. C     .     .     .     .      I WE    L .     .     .     .     .
      14350. C     .     .     .     .      I WE    L .     .     .     .     .
      14400. C     .     .     .     .      I WE    LR .     .     .     .     .
      14450. C     .     .     .     .      I WE    LR .     .     .     .     .
      14500. C     .     .     .     .      I WE     L .     .     .     .     .
      14550. C     .     .     .     .      I WE     L .     .     .     .     .
11.40 14600. C     .     .     .     .      I WE     L .     .     .     .     .
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THIS RUN EXECUTED 01/01/80 00:09:50

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

KUNK CRK 100YR FLOOD Q=3

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	8.690	1377.80	.00	968.70	3.34	6.56	2.15	5003.81	1133.75	820.00	1979.00	2118.00	2420.00
	8.750	1379.76	.00	461.00	3.76	10.22	.00	1062.75	.00	900.00	1800.00	2040.00	2290.00
	8.890	1385.71	.00	481.83	3.09	8.13	2.20	500.78	32.05	1280.00	1900.00	2240.00	2470.00
*	8.965	1388.34	.00	878.73	1.40	8.93	1.46	109.03	120.85	1380.00	1955.00	2330.00	2575.00
	9.050	1391.06	.00	1150.00	2.47	6.14	1.52	2791.08	620.21	1375.00	1905.00	2140.00	2525.00
*	9.090	1392.89	.00	850.92	.00	7.77	1.25	.00	1.10	1310.00	1720.00	2575.00	2580.00
	9.100	1392.91	.00	852.18	.00	7.71	.59	.00	.57	1310.00	1720.00	2575.00	2580.00
*	9.115	1393.31	.00	868.20	.00	7.73	.81	.00	1.25	1310.00	1630.00	2575.00	2580.00
	9.190	1393.85	.00	1064.86	.76	5.68	1.20	66.09	8.69	1310.00	1720.00	2575.00	2580.00
	9.200	1393.86	.00	1068.05	1.65	5.61	2.59	146.80	18.93	1310.00	1720.00	2575.00	2580.00
	9.210	1395.50	.00	963.04	1.49	4.73	.00	500.22	.00	1380.00	1865.00	2540.00	2550.00
	9.310	1396.58	.00	441.93	.00	6.51	.00	.00	.00	1280.00	1930.00	2403.00	2410.00
	9.400	1398.41	.00	395.37	.00	8.51	.00	.00	.00	1330.00	1940.00	2454.00	2460.00
	9.480	1402.28	.00	357.79	.00	7.72	.70	.00	.99	1540.00	1945.00	2300.00	2470.00
	9.580	1405.26	.00	466.01	.00	8.38	2.77	.00	321.84	1815.00	1910.00	2340.00	2535.00
	9.670	1407.97	.00	398.84	.00	11.92	6.61	.00	6071.62	1820.00	1970.00	2060.00	2480.00
*	9.750	1410.94	.00	317.47	2.06	12.32	5.23	49.22	1842.96	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STEN
	9.840	1414.14	.00	481.91	.47	8.18	2.68	11.45	411.83	.00	1955.00	2160.00	.
	9.940	1415.62	.00	395.52	3.43	8.34	2.99	1641.27	313.95	.00	1960.00	2120.00	.
	10.040	1417.15	.00	351.66	2.79	7.84	2.53	276.54	150.36	.00	1920.00	2160.00	.
	10.120	1418.25	.00	267.00	4.26	10.47	2.98	256.33	131.54	.00	1900.00	2100.00	.
*	10.210	1422.35	.00	385.29	3.35	11.34	5.50	92.65	2240.24	.00	1880.00	2050.00	.
	10.300	1426.59	.00	409.77	4.51	10.73	4.35	113.52	1004.72	.00	1860.00	2080.00	.
	10.400	1430.03	.00	649.75	.13	7.30	1.79	.09	325.99	950.00	1870.00	2120.00	2490.
*	10.490	1433.02	.00	328.67	.00	10.86	2.27	.00	47.52	720.00	1885.00	2185.00	2310.
	10.620	1437.23	.00	336.37	3.57	7.68	2.95	437.63	470.75	655.00	1795.00	2020.00	2125.
*	10.700	1438.65	.00	279.57	4.22	11.97	3.94	254.56	319.73	800.00	1915.00	2100.00	2255.
	10.830	1444.33	.00	749.85	.69	7.97	4.37	3.87	4768.97	1080.00	1830.00	2030.00	2875.
*	10.930	1448.41	.00	905.64	4.80	9.83	3.57	1127.02	2777.89	1360.00	1910.00	2085.00	2965.
	11.040	1451.87	.00	1077.66	6.10	5.23	2.09	9735.49	896.27	1440.00	1955.00	2065.00	2540.
*	11.200	1455.87	.00	286.49	.00	11.12	.00	.00	.00	.00	1834.50	2165.50	.
	11.300	1458.00	.00	292.99	.00	7.74	.00	.00	.00	.00	1831.50	2169.50	.
	11.400	1458.52	.00	289.10	.00	9.47	.00	.00	.00	.00	1829.50	2171.50	.

KUNK CRK 100YR FLOOD Q=3

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	8.690	1377.80	.00	1378.21	968.70	5003.81	5862.45	1133.75	1600.00	820.00	1979.00	2118.00	2420.00
	8.750	1379.76	.00	1381.26	461.00	1062.75	10937.25	.00	1390.00	900.00	1800.00	2040.00	2290.00
	8.890	1385.71	.00	1386.69	481.83	500.78	11467.17	32.05	1190.00	1280.00	1900.00	2240.00	2470.00
*	8.965	1388.34	.00	1389.56	878.73	109.03	11770.12	120.85	1195.00	1380.00	1955.00	2330.00	2575.00
	9.050	1391.06	.00	1391.50	1150.00	2791.08	8588.71	620.21	1150.00	1375.00	1905.00	2140.00	2525.00
*	9.090	1392.89	.00	1393.83	850.92	.00	11998.90	1.10	1270.00	1310.00	1720.00	2575.00	2580.00
	9.100	1392.91	.00	1393.84	852.18	.00	11999.43	.57	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.115	1393.31	.00	1394.24	868.20	.00	11998.75	1.25	1270.00	1310.00	1630.00	2575.00	2580.00
	9.190	1393.85	.00	1394.34	1064.86	66.09	11925.22	8.69	1270.00	1310.00	1720.00	2575.00	2580.00
	9.200	1393.86	.00	1394.35	1068.05	146.80	11834.27	18.93	1270.00	1310.00	1720.00	2575.00	2580.00
	9.210	1395.50	.00	1395.83	963.04	500.22	11499.78	.00	1170.00	1380.00	1865.00	2540.00	2550.00
	9.310	1396.58	.00	1397.24	441.93	.00	12000.00	.00	1130.00	1280.00	1930.00	2403.00	2410.00
	9.400	1398.41	.00	1399.53	395.37	.00	12000.00	.00	1130.00	1330.00	1940.00	2454.00	2460.00
	9.480	1402.28	.00	1403.21	357.79	.00	11999.01	.99	930.00	1540.00	1945.00	2300.00	2470.00
	9.580	1405.26	.00	1406.33	466.01	.00	11678.16	321.84	720.00	1815.00	1910.00	2340.00	2535.00
	9.670	1407.97	.00	1409.40	398.84	.00	5928.38	6071.62	-1820.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1410.94	.00	1413.00	317.47	49.22	10107.81	1842.96	.00	.00	1910.00	2035.00	.00
	9.840	1414.14	.00	1415.14	481.91	11.45	11576.71	411.83	.00	.00	1955.00	2160.00	.00
	9.940	1415.62	.00	1416.55	395.52	1641.27	10044.78	313.95	.00	.00	1960.00	2120.00	.00
	10.040	1417.15	.00	1418.08	351.66	276.54	11573.10	150.36	.00	.00	1920.00	2160.00	.00
	10.120	1418.25	.00	1419.90	267.00	256.33	11612.13	131.54	.00	.00	1900.00	2100.00	.00
*	10.210	1422.35	.00	1424.05	385.29	92.65	9667.12	2240.24	.00	.00	1880.00	2050.00	.00
	10.300	1426.59	.00	1428.24	409.77	113.52	10881.75	1004.72	.00	.00	1860.00	2080.00	.00
	10.400	1430.03	.00	1430.84	649.75	.09	11673.92	325.99	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1433.02	.00	1434.85	328.67	.00	11952.48	47.52	-720.00	720.00	1885.00	2185.00	2310.00
	10.620	1437.23	.00	1438.09	336.37	437.63	11091.63	470.75	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1438.65	.00	1440.78	279.57	254.56	11425.70	319.73	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1444.33	.00	1445.05	749.85	3.87	7227.16	4768.97	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1448.41	.00	1449.50	905.64	1127.02	8095.09	2777.89	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1451.87	.00	1452.39	1077.66	9735.49	1368.24	896.27	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1455.87	.00	1457.79	286.49	.00	12000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1458.00	.00	1458.93	292.99	.00	12000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1458.52	.00	1459.92	289.10	.00	12000.00	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=     8.965  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.965  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.090  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.090  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.090  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.750  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.210  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.210  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.490  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.490  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.490  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.930  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.930  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.930  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  MINIMUM SPECIFIC ENERGY
```


THIS RUN EXECUTED 01/01/80 00:10:02

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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50-YEAR FLOOD PROFILES

Proposed Conditions

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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF NOVEMBER 1976                        *
*  UPDATED MAY 1984                                *
*  IBM-PC-XT VERSION                               *
*  RUN DATE  01/01/80  TIME  00:43:03              *
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************************************
*  U.S. ARMY CORPS OF ENGINEERS    *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D      *
*  DAVIS, CALIFORNIA 95616         *
*  (916) 440-2105 (FTS) 448-2105   *
************************************
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```
X     X  XXXXXXX   XXXXX             XXXXX
X     X  X       X     X           X     X
X     X  X       X                       X
XXXXXXX  XXXX     X         XXXXX   XXXXX
X     X  X       X                 X
X     X  X       X     X           X
X     X  XXXXXXX   XXXXX           XXXXXXX
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THIS RUN EXECUTED 01/01/80 00:43:04

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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T1 SKUNK CREEK FLOODPLAIN ANALYSIS
T2 ADOBE MT. SUBDIVISION
T3 SKUNK CRK 50YR FLOOD Q=29000 CFS POST DEVEL. COND. FULL/OPP. ENCRH.

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	.000000	.00	.0	0.	1377.800	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.000	1.000	52.000	4.000	55.000	26.000	56.000	13.000	15.000	27.000
21.000	22.000	28.000	.000	110.000	.000	200.000	.000	.000	.000

NC	.045	.045	.035	.100	.300	.000	.000	.000	.000	.000
QT	2.000	29000.000	29000.000	.000	.000	.000	.000	.000	.000	.000
ET	8.690	.000	6.100	.000	.000	820.000	2420.000	.000	.000	.000
X1	8.690	19.000	1979.000	2118.000	.000	.000	.000	.000	.000	.000
GR	1380.000	452.000	1378.000	815.000	1378.000	877.000	1378.000	990.000	1378.000	1448.000
GR	1376.000	1481.000	1372.000	1542.000	1374.000	1675.000	1376.000	1727.000	1376.000	1979.000
GR	1369.800	2000.000	1370.000	2038.000	1372.000	2100.000	1376.000	2118.000	1376.200	2181.000
GR	1376.000	2278.000	1376.000	3560.000	1378.000	3560.000	1380.000	3890.000	.000	.000
ET	8.750	.000	6.100	.000	.000	900.000	2290.000	.000	.000	.000
X1	8.750	26.000	1800.000	2040.000	835.000	733.000	739.000	.000	.000	.000
GR	1390.000	170.000	1388.000	235.000	1386.000	420.000	1384.000	510.000	1383.000	820.000
GR	1382.000	1190.000	1382.000	1435.000	1384.000	1470.000	1384.000	1490.000	1382.000	1500.000
GR	1380.000	1560.000	1378.000	1573.000	1378.000	1600.000	1380.000	1625.000	1378.000	1740.000
GR	1378.000	1790.000	1376.000	1800.000	1376.000	1958.000	1372.000	1975.000	1371.000	2000.000
GR	1380.000	2040.000	1381.000	2290.000	1382.000	2650.000	1382.000	3790.000	1384.000	4050.000
GR	1386.000	4190.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	8.890	4.100	6.100	1280.000	3730.000	1280.000	2470.000	.000	.000	.000
X1	8.890	21.000	1900.000	2240.000	565.000	650.000	840.000	.000	.000	.000
GR	1392.000	675.000	1386.000	780.000	1386.000	1765.000	1384.000	1775.000	1384.000	1805.000
GR	1386.000	1815.000	1384.000	1865.000	1384.000	1900.000	1382.000	1950.000	1382.000	1970.000
GR	1378.000	2000.000	1380.000	2030.000	1382.000	2090.000	1382.000	2230.000	1384.000	2240.000
GR	1386.000	2260.000	1387.000	3440.000	1386.500	3770.000	1387.000	4080.000	1388.000	4230.000
GR	1390.000	4440.000	.000	.000	.000	.000	.000	.000	.000	.000

ET	8.965	4.100	6.100	1380.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1375.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.090	22.000	1720.000	2575.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.000	1580.000	1393.500	1670.000	1393.000	1720.000	1392.200	1787.000	1391.200	1855.000
GR	1390.200	1935.000	1389.700	2015.000	1389.600	2055.000	1389.800	2135.000	1390.800	2235.000
GR	1392.700	2575.000	1393.000	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
GR	1394.200	3692.000	1394.000	4025.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.100	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.100	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
ET	9.115	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.115	20.000	1630.000	2575.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.500	1530.000
GR	1394.000	1630.000	1393.000	1748.000	1392.000	1820.000	1391.000	1888.000	1390.000	1995.000
GR	1389.900	2055.000	1391.000	2230.000	1392.000	2315.000	1393.000	2575.000	1393.000	2624.000
GR	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000	1394.200	3692.000	1394.000	4175.000
ET	9.190	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.190	20.000	1720.000	2575.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1393.800	1530.000
GR	1393.400	1640.000	1392.800	1720.000	1392.000	1805.000	1391.000	1895.000	1390.400	1975.000
GR	1390.200	2055.000	1390.400	2155.000	1391.700	2315.000	1392.200	2415.000	1392.400	2495.000
GR	1392.400	2575.000	1392.300	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.200	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
NH	5.000	.045	1865.000	.035	1920.000	.030	2514.000	.016	2540.000	.040
NH	4000.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1380.000	2950.000	1380.000	2550.000	.000	.000	.000
X1	9.210	32.000	1865.000	2540.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1393.000	1920.000	1392.000	1942.000	1391.000	2040.000	1390.600	2110.000
GR	1391.000	2190.000	1392.000	2362.000	1393.000	2514.000	1398.500	2540.000	1398.000	2580.000
GR	1398.500	2950.000	1398.500	4000.000	.000	.000	.000	.000	.000	.000
NH	5.000	.045	1930.000	.035	2037.000	.030	2348.000	.016	2388.000	.045
NH	3200.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.310	4.100	6.100	1280.000	2560.000	1280.000	2410.000	.000	.000	.000
X1	9.310	27.000	1930.000	2403.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1395.000	1940.000	1393.000	1950.000	1392.000	2037.000	1391.500	2080.000
GR	1392.000	2220.000	1393.000	2348.000	1398.000	2388.000	1400.000	2392.000	1401.000	2403.000
GR	1402.000	2410.000	1402.700	3200.000	.000	.000	.000	.000	.000	.000
NC	.040	.040	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.400	4.100	6.100	1330.000	2500.000	1330.000	2460.000	.000	.000	.000
X1	9.400	34.000	1940.000	2454.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2225.000
GR	1400.000	2235.000	1395.000	2260.000	1394.000	2270.000	1393.600	2310.000	1394.000	2348.000
GR	1395.000	2410.000	1402.000	2440.000	1405.000	2454.000	1405.500	2600.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	625.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.500	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2085.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1426.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
NC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1680.000	1450.000	1740.000	1451.000	1850.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2880.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     820.0    2420.0  TYPE=     1  TARGET=    1600.000
     8.69      8.69  1378.49  1378.49      .00  1379.85     1.36      .00       .00  1376.00
   29000.    12956.   12496.    3548.    2172.     989.     737.       0.        0.   1376.00
      .00      5.96    12.63     4.82     .045     .035     .045     .000  1369.80   820.00
  .006549       0.       0.       0.        0        7        0      .00  1600.00  2420.00

*SECNO 8.750

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=     900.0    2290.0  TYPE=     1  TARGET=    1390.000
     8.75     11.74  1382.74  1382.56      .00  1384.20     1.45     4.32       .03  1376.00
   29000.     6782.   20017.    2200.    1392.    1785.     561.      69.       27.   1380.00
      .02      4.87    11.21     3.92     .045     .035     .045     .000  1371.00   914.50
  .004842      835.     739.     733.        6       11        0      .00  1327.26  2290.00

*SECNO 8.890
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2470.0  TYPE=     1  TARGET=    1190.000
     8.89      9.76  1387.76  1387.76      .00  1389.13     1.38     3.94       .01  1384.00
   29000.     5362.   22184.    1454.    1290.    2108.     406.     131.       46.   1384.00
      .05      4.16    10.52     3.59     .045     .035     .045     .000  1378.00  1280.00
  .005408      565.     840.     650.        3       10        0      .00  1190.00  2470.00

*SECNO 8.965
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1380.0    2575.0  TYPE=     1  TARGET=    1195.000
     8.97      9.41  1390.41  1390.41      .00  1391.83     1.43     2.23       .01  1388.00
   29000.     3897.   22324.    2779.     980.    2093.     590.     162.       55.   1388.00
      .06      3.97    10.66     4.71     .045     .035     .045     .000  1381.00  1380.00
  .006384      275.     400.     410.        3       10        0      .00  1195.00  2575.00
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*SECNO 9.050

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1375.0    2525.0  TYPE=     1  TARGET=    1150.000
     9.05    11.07  1393.07      .00      .00  1393.77     .70     1.86      .07  1388.00
   29000.    9291.   15642.    4067.    2194.    1871.    1182.     209.     67.   1390.00
      .08     4.23     8.36     3.44     .045     .035     .045     .000  1382.00  1375.00
  .002462     410.     550.     370.        2        0        0      .00  1150.00  2525.00

*SECNO 9.090
3280 CROSS SECTION      9.09 EXTENDED       .45 FEET

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.09     4.85  1394.45  1394.45      .00  1395.95    1.50     1.53      .24  1393.00
   29000.     457.   28507.      35.     159.    2875.       9.     241.     75.   1392.70
      .09     2.87     9.92     4.07     .045     .035     .045     .000  1389.60  1434.17
  .010831     328.     348.     278.        4       14        0      .00  1145.83  2580.00

*SECNO 9.100
3280 CROSS SECTION      9.10 EXTENDED       .39 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.10     4.79  1394.39  1394.39      .00  1395.99    1.60      .00      .03  1393.00
   29000.     191.   28793.      16.     144.    2826.       8.     241.     75.   1392.70
      .09     1.33    10.19     1.90     .045     .016     .045     .000  1389.60  1449.87
  .002445       1.       1.       1.        2        5        0      .00  1130.12  2580.00

*SECNO 9.115
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3280 CROSS SECTION      9.11 EXTENDED       .81 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.11      4.91  1394.81  1394.81      .00  1396.30     1.49      .05       .01  1394.00
   29000.       75.   28907.      18.      83.    2945.       9.     243.       76.   1393.00
      .09       .91     9.82     1.98     .045     .016     .045     .000  1389.90  1358.87
  .002454       22.      22.      22.       20        5        0      .00  1221.13  2580.00

*SECNO 9.190
3280 CROSS SECTION      9.19 EXTENDED      1.26 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.19      5.26  1395.46      .00      .00  1396.42      .96      .06       .05  1392.80
   29000.     1111.   27863.      26.     685.    3479.      15.     246.       77.   1392.40
      .09      1.62     8.01     1.71     .045     .016     .045     .000  1390.20  1310.00
  .001144       37.      37.      37.        5        0        0      .00  1270.00  2580.00

*SECNO 9.200
3280 CROSS SECTION      9.20 EXTENDED      1.50 FEET

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.20      5.51  1395.71      .00      .00  1396.44      .74      .00       .02  1392.80
   29000.     2598.   26347.      55.     785.    3689.      17.     246.       77.   1392.40
      .09      3.31     7.14     3.32     .045     .035     .045     .000  1390.20  1310.00
  .004028        1.       1.       1.        3        0        0      .00  1270.00  2580.00

1490 NH CARD USED
*SECNO 9.210

3470 ENCROACHMENT STATIONS=    1380.0    2550.0  TYPE=     1  TARGET=    1170.000
     9.21      6.71  1397.31      .00      .00  1398.02      .71     1.57       .00  1394.00
   29000.     3237.   25763.       0.    1135.    3634.       0.     302.       91.   1398.50
      .12      2.85     7.09      .00     .045     .030     .045     .000  1390.60  1380.00
  .002150      422.      562.     462.        3        0        0      .00  1154.37  2534.37
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 9.310

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1280.0    2410.0  TYPE=     1  TARGET=    1130.000
     9.31      6.93  1398.43     .00       .00  1400.25    1.81      1.90       .33  1398.00
   29000.       10.   28990.      0.       13.    2681.      0.      355.      102.   1401.00
      .13       .80    10.81     .00      .045     .030    .045      .000  1391.50  1316.90
  .004422      400.     650.    480.         2        0       0       .00   517.84  2388.87

*SECNO 9.400

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    1330.0    2460.0  TYPE=     1  TARGET=    1130.000
     9.40      7.58  1401.18     .00       .00  1403.09    1.90      2.81       .03  1402.00
   29000.      268.   28732.      0.      101.    2584.      0.      386.      108.   1405.00
      .14      2.65    11.12     .00      .040     .035    .040      .000  1393.60  1578.80
  .007085      370.     510.    420.         3        0       0       .00   609.48  2436.47

1490 NH CARD USED
*SECNO 9.480

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    1540.0    2470.0  TYPE=     1  TARGET=     930.000
     9.48      9.02  1405.02     .00       .00  1406.79    1.77      3.69       .01  1404.00
   29000.      582.   27537.    881.      214.    2520.    243.      417.      116.   1402.00
      .16      2.72    10.93    3.62      .045     .045    .050      .000  1396.00  1540.00
  .008134      370.     490.    420.         3        0       0       .00   789.69  2470.00

*SECNO 9.580
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    1815.0    2535.0  TYPE=     1  TARGET=     720.000
     9.58      9.76  1408.26      .00       .00  1409.62    1.36      2.78      .04  1407.50
   29000.      197.   25404.    3399.       90.    2594.    647.      450.     123.   1406.00
      .17      2.20     9.79     5.26      .045     .035    .045      .000  1398.50  1815.00
  .004863      390.     450.     460.         2        0       0       .00   720.00  2535.00

*SECNO 9.670

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1820.0    2480.0  TYPE=     1  TARGET=   -1820.000
     9.67     10.48  1410.48  1410.48       .00  1412.87    2.40      2.68      .31  1408.00
   29000.      444.   11445.   17110.      132.     723.   1769.      478.     130.   1408.00
      .18      3.35     15.83     9.67      .045     .035    .045      .000  1400.00  1820.00
  .009000      470.     410.     420.         3        8       0       .00   585.78  2405.78

*SECNO 9.750
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75     12.55  1414.25  1414.25       .00  1416.83    2.58      2.86      .05  1410.00
   29000.     2277.   18711.    8012.      436.    1234.   1065.      502.     135.   1410.00
      .19      5.22     15.16     7.53      .045     .035    .045      .000  1401.70  1748.73
  .006136      390.     370.     410.         4       11       0       .00   534.43  2283.15

*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     14.34  1417.34      .00       .00  1419.06    1.72      2.14      .09  1414.00
   29000.     2557.   23682.    2760.      606.    2073.    525.      536.     141.   1410.00
      .20      4.22     11.42     5.26      .045     .035    .045      .000  1403.00  1767.46
  .003353      500.     480.     490.         2        0       0       .00   518.30  2285.76

*SECNO 9.940
     9.94     13.10  1419.10      .00       .00  1420.66    1.56      1.58      .02  1410.00
   29000.     6912.   20109.    1980.     1159.    1762.    410.      572.     146.   1412.00
      .22      5.96     11.41     4.83      .045     .035    .045      .000  1406.00  1757.80
  .002959      430.     520.     470.         2        0       0       .00   483.79  2241.59
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.040
    10.04     11.70  1420.70       .00       .00  1422.31      1.61      1.64       .01   1414.00
   29000.     2032.   25095.     1873.      393.    2329.      451.      613.      152.    1414.00
      .23      5.17     10.77      4.15      .045      .035      .045      .000   1409.00   1827.83
  .003116      540.      540.      540.         2         0         0       .00    506.54   2334.37

*SECNO 10.120

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.12      9.76  1421.26  1421.26       .00  1424.63      3.36      1.77       .53   1414.00
   29000.     1302.   26234.     1465.      187.    1713.      226.      636.      156.    1416.00
      .24      6.98     15.32      6.47      .045      .035      .045      .000   1411.50   1834.72
  .007441      450.      380.      420.         3        11         0       .00    364.38   2263.52

*SECNO 10.210

3301 HV CHANGED MORE THAN HVINS

    10.21     10.12  1425.62       .00       .00  1427.84      2.22      3.10       .11   1420.00
   29000.      925.   19234.     8841.      164.    1406.     1158.      662.      161.    1418.00
      .25      5.65     13.68      7.64      .045      .035      .045      .000   1415.50   1815.88
  .006222      490.      450.      475.         3         0         0       .00    506.18   2322.06

*SECNO 10.300

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.30      8.77  1429.57  1429.57       .00  1431.56      1.99      3.10       .02   1424.00
   29000.      823.   21292.     6885.      132.    1669.     1229.      691.      168.    1424.00
      .26      6.26     12.76      5.60      .045      .040      .050      .000   1420.80   1798.66
  .007926      460.      440.      450.         2        12         0       .00    819.64   2713.38
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.400

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=     950.0    2490.0  TYPE=     1  TARGET=    1540.000
    10.40     10.87  1432.87      .00      .00  1433.69      .82      2.02       .12  1430.00
   29000.     4938.   19731.    4330.    1733.    2308.    1233.      736.      180.   1428.00
      .28      2.85     8.55     3.51     .045     .040     .050      .000  1422.00   950.00
  .002748      480.     460.     470.        2        0        0       .00  1540.00  2490.00


*SECNO 10.490
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     720.0    2310.0  TYPE=     1  TARGET=    -720.000
    10.49     10.03  1436.53  1436.53      .00  1437.79     1.26      1.72       .13  1434.00
   29000.     5595.   21814.    1591.    1692.    2147.     336.      785.      196.   1432.00
      .30      3.31     10.16     4.73     .045     .040     .050      .000  1426.50   779.21
  .005437      420.     470.     450.       20       10        0       .00  1522.11  2301.33


*SECNO 10.620

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62     10.18  1439.38  1439.38      .00  1441.27     1.89      2.98       .19  1432.00
   29000.     3981.   23348.    1671.    1131.    1928.     314.      836.      213.   1432.00
      .31      3.52     12.11     5.32     .045     .035     .050      .000  1429.20  1082.36
  .004646      605.     590.     600.        3        5        0       .00  1018.00  2100.36


*SECNO 10.700

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1  TARGET=    -800.000
    10.70     10.10  1442.60  1442.60      .00  1444.65     2.06      1.84       .05  1436.00
   29000.     4707.   21878.    2416.    1109.    1686.     450.      866.      222.   1436.00
      .32      4.24     12.98     5.37     .045     .035     .050      .000  1432.50  1332.51
  .004920      405.      380.     390.       20        5        0       .00   885.49  2236.50

*SECNO 10.830

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1080.0    2875.0  TYPE=     1  TARGET=   -1080.000
    10.83     10.76  1446.76      .00      .00  1447.63      .87      2.86       .12  1444.00
   29000.     1078.   13489.   14433.     363.    1392.    2908.      925.      238.   1444.00
      .35      2.97      9.69     4.96     .045     .035     .050      .000  1436.00  1599.63
  .003965      645.      650.     650.        3        0        0       .00  1227.96  2827.59

*SECNO 10.930

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93      9.12  1450.12  1450.12      .00  1451.60     1.48      2.67       .18  1448.00
   29000.     3172.   14283.   11545.     474.    1123.    2226.      974.      252.   1448.00
      .36      6.69     12.72     5.19     .045     .035     .050      .000  1441.00  1737.18
  .007580      500.      500.     500.       20        9        0       .00  1227.82  2965.00

*SECNO 11.040

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   11.04      9.90  1453.90       .00       .00  1454.65       .75      2.98       .07   1450.00
  29000.    19288.     3824.     5888.     2602.     484.     1389.     1021.      265.   1450.00
     .38      7.41      7.90      4.24      .045      .035      .050      .000   1444.00   1451.38
 .004808     500.      500.      500.         1         0         0       .00   1088.62   2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   11.20      6.94  1458.94  1458.94       .00  1462.28      3.35      2.86       .78   1467.00
  29000.        0.    29000.       0.        0.    1976.        0.     1075.      277.   1467.00
     .40       .00     14.68       .00      .045      .020      .050      .000   1452.00   1850.63
 .003190     680.      770.      755.        20        19         0       .00    298.74   2149.37

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS

   11.30      9.04  1461.54       .00       .00  1463.45      1.91      1.03       .14   1469.00
  29000.        0.    29000.       0.        0.    2612.        0.     1103.      280.   1469.50
     .41       .00     11.10       .00      .045      .020      .050      .000   1452.50   1846.43
 .001310     528.      528.      528.         3         0         0       .00    307.14   2153.57

*SECNO 11.400

3301 HV CHANGED MORE THAN HVINS

   11.40      7.98  1461.98       .00       .00  1464.47      2.49       .84       .17   1471.50
  29000.        0.    29000.       0.        0.    2289.        0.     1133.      284.   1472.00
     .42       .00     12.67       .00      .045      .020      .050      .000   1454.00   1848.54
 .001992     528.      528.      528.         3         0         0       .00    302.91   2151.46
```

PROFILE FOR STREAM KUNK CRK 50YR FLOOD Q=2

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

```
ELEVATION 1360.    1380.    1400.    1420.    1440.    1460.    1480.    1500.    1520.    1540.
   SECNO  CUMDIS

    8.69     0.  .   I  LWE        .        .        .        .        .        .        .        .
            50.  .   I  LWE        .        .        .        .        .        .        .        .
           100.  .   I  L E        .        .        .        .        .        .        .        .
           150.  .   I  L EM       .        .        .        .        .        .        .        .
           200.  .   I  LRWE       .        .        .        .        .        .        .        .
           250.  .   I  LRWE       .        .        .        .        .        .        .        .
           300.  .   I  LRWE       .        .        .        .        .        .        .        .
           350.  .   I  LRWE       .        .        .        .        .        .        .        .
           400.  .   I  LRWEM      .        .        .        .        .        .        .        .
           450.  .   I  LRCEM      .        .        .        .        .        .        .        .
           500.  .   I  LR.EM      .        .        .        .        .        .        .        .
           550.  .   I  LR.WE      .        .        .        .        .        .        .        .
           600.  .   I  L RWE      .        .        .        .        .        .        .        .
           650.  .   I  L RWEM     .        .        .        .        .        .        .        .
           700.  .   I  L RWEM     .        .        .        .        .        .        .        .
    8.75   750.  .    I L RWEM     .        .        .        .        .        .        .        .
           800.  .    I L RCEM     .        .        .        .        .        .        .        .
           850.  .    I L R EM     .        .        .        .        .        .        .        .
           900.  .    I  LR WE     .        .        .        .        .        .        .        .
           950.  .    I  LR WE     .        .        .        .        .        .        .        .
          1000.  .     I L.RWEM    .        .        .        .        .        .        .        .
          1050.  .     I L.RWEM    .        .        .        .        .        .        .        .
          1100.  .     I  LRWEM    .        .        .        .        .        .        .        .
          1150.  .     I  LR EM    .        .        .        .        .        .        .        .
          1200.  .     I  LR EM    .        .        .        .        .        .        .        .
          1250.  .      I LR WE    .        .        .        .        .        .        .        .
          1300.  .      I .L WE    .        .        .        .        .        .        .        .
          1350.  .      I .L WE    .        .        .        .        .        .        .        .
          1400.  .      I .LRWEM   .        .        .        .        .        .        .        .
          1450.  .      I .LRWEM   .        .        .        .        .        .        .        .
          1500.  .       I. L EM   .        .        .        .        .        .        .        .
          1550.  .       I. L EM   .        .        .        .        .        .        .        .
    8.89  1600.  .       I. L WE   .        .        .        .        .        .        .        .
          1650.  .       I. L WE   .        .        .        .        .        .        .        .
          1700.  .       I.  LWE   .        .        .        .        .        .        .        .
          1750.  .        I  LWE   .        .        .        .        .        .        .        .
          1800.  .        I  L EM  .        .        .        .        .        .        .        .
          1850.  .        I  L EM  .        .        .        .        .        .        .        .
          1900.  .        I   LWE  .        .        .        .        .        .        .        .
          1950.  .        I   LWE  .        .        .        .        .        .        .        .
    8.97  2000.  .        .I  LWE  .        .        .        .        .        .        .        .
          2050.  C        .I  LWE  .        .        .        .        .        .        .        .
          2100.  C        .I  LWE  .        .        .        .        .        .        .        .
          2150.  C        .I  L E  .        .        .        .        .        .        .        .
          2200.  C        .I  L E  .        .        .        .        .        .        .        .
          2250.  C        .I  L E  .        .        .        .        .        .        .        .
          2300.  C        .I  LREM .        .        .        .        .        .        .        .
          2350.  C        .I  LRWE .        .        .        .        .        .        .        .
          2400.  C        .I  LRWE .        .        .        .        .        .        .        .
          2450.  C        .I  LRWE .        .        .        .        .        .        .        .
          2500.  C        .I  LRWE .        .        .        .        .        .        .        .
    9.05  2550.  C        .I  LR E .        .        .        .        .        .        .        .
          2600.  C        . I LR E .        .        .        .        .        .        .        .
          2650.  C        . I  L E .        .        .        .        .        .        .        .
          2700.  C        .  I LRE .        .        .        .        .        .        .        .
          2750.  C        .  I LRWE .        .        .        .        .        .        .        .
          2800.  C        .   I LWE .        .        .        .        .        .        .        .
          2850.  C        .   I LWE .        .        .        .        .        .        .        .
    9.09  2900.  .        .    IRWE .        .        .        .        .        .        .        .
    9.10  2950.  .        .    IRWE .        .        .        .        .        .        .        .
    9.11  3000.  .        .    I WE .        .        .        .        .        .        .        .
    9.19  3050.  C        .    ILME .        .        .        .        .        .        .        .
    9.20  3100.  C        .    ILME .        .        .        .        .        .        .        .
          3150.  C        .    ILME .        .        .        .        .        .        .        .
          3200.  C        .    I LE .        .        .        .        .        .        .        .
          3250.  C        .    I LE .        .        .        .        .        .        .        .
          3300.  C        .    I LWE.        .        .        .        .        .        .        .
          3350.  C        .    I LWE.        .        .        .        .        .        .        .
          3400.  C        .    I LWE.        .        .        .        .        .        .        .
          3450.  C        .    I LWE.        .        .        .        .        .        .        .
    9.21  3500.  C        .    I L E.        .        .        .        .        .        .        .
          3550.  C        .    I L E.        .        .        .        .        .        .        .
          3600.  C        .    I L EM        .        .        .        .        .        .        .
          3650.  C        .    I L EM        .        .        .        .        .        .        .
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       3700. C        .    I LER        .         .         .         .         .         .         .         .
       3750. C        .    I  LER       .         .         .         .         .         .         .         .
       3800. C        .     I LWE       .         .         .         .         .         .         .         .
       3850. C        .     I LWE       .         .         .         .         .         .         .         .
       3900. C        .     I LWEM      .         .         .         .         .         .         .         .
       3950. C        .     I LWEM      .         .         .         .         .         .         .         .
       4000. C        .     I  WEM      .         .         .         .         .         .         .         .
       4050. C        .     I  WEM      .         .         .         .         .         .         .         .
       4100. C        .     I  WEM      .         .         .         .         .         .         .         .
9.31   4150. C        .     I  WER      .         .         .         .         .         .         .         .
       4200. C        .     I  WER      .         .         .         .         .         .         .         .
       4250. C        .     I  WERM     .         .         .         .         .         .         .         .
       4300. C        .     I   WEM     .         .         .         .         .         .         .         .
       4350. C        .     I   WEM     .         .         .         .         .         .         .         .
       4400. C        .     I   WEM     .         .         .         .         .         .         .         .
       4450. C        .     I   WER     .         .         .         .         .         .         .         .
       4500. C        .     I   WER     .         .         .         .         .         .         .         .
       4550. C        .      I  WER     .         .         .         .         .         .         .         .
       4600. C        .      I  WERM    .         .         .         .         .         .         .         .
       4650. C        .      I  .WEM    .         .         .         .         .         .         .         .
9.40   4700. C        .      I  .WER    .         .         .         .         .         .         .         .
       4750. C        .      I  .WEM    .         .         .         .         .         .         .         .
       4800. C        .      I  .WEM    .         .         .         .         .         .         .         .
       4850. C        .      I  .WEM    .         .         .         .         .         .         .         .
       4900. C        .      I  .WE M   .         .         .         .         .         .         .         .
       4950. C        .      I  . E M   .         .         .         .         .         .         .         .
       5000. C        .       I . WEM   .         .         .         .         .         .         .         .
       5050. C        .       I .RWEM   .         .         .         .         .         .         .         .
       5100. C        .       I .RWE M  .         .         .         .         .         .         .         .
9.48   5150. C        .       I .RLE M  .         .         .         .         .         .         .         .
       5200. C        .       I .RLWEM  .         .         .         .         .         .         .         .
       5250. C        .       I .RLWEM  .         .         .         .         .         .         .         .
       5300. C        .       I . RWEM  .         .         .         .         .         .         .         .
       5350. C        .        I. RWEM  .         .         .         .         .         .         .         .
       5400. C        .        I. RWEM  .         .         .         .         .         .         .         .
       5450. C        .        I. RLEM  .         .         .         .         .         .         .         .
       5500. C        .        I.  LEM  .         .         .         .         .         .         .         .
       5550. C        .        I.  RWE  .         .         .         .         .         .         .         .
9.58   5600. C        .        I.  RWE  .         .         .         .         .         .         .         .
       5650. C        .        I.  RWEM .         .         .         .         .         .         .         .
       5700. C        .        I.  RWE M .        .         .         .         .         .         .         .
       5750. C        .         I  RLE  M .       .         .         .         .         .         .         .
       5800. C        .         I  RLWE  M.       .         .         .         .         .         .         .
       5850. C        .         I   LWE   M       .         .         .         .         .         .         .
       5900. C        .         I   LWE   .M      .         .         .         .         .         .         .
       5950. C        .         I   LWE   . M     .         .         .         .         .         .         .
       6000. .      C .         I   LWE   .  M    .         .         .         .         .         .         .
9.67   6050. .        .         I   LWE   .  M    .         .         .         .         .         .         .
       6100. .        .         I   LW E  .  M    .         .         .         .         .         .         .
       6150. .        .         I   L WE  .  M    .         .         .         .         .         .         .
       6200. .        .         I   L WE  .  M    .         .         .         .         .         .         .
       6250. .        .         I    LW E . M     .         .         .         .         .         .         .
       6300. .        .         .I   L WE . M     .         .         .         .         .         .         .
       6350. .        .         .I   L WE . M     .         .         .         .         .         .         .
9.75   6400. .        .         .I   L WE . M     .         .         .         .         .         .         .
       6450. C        .         .I   L W E. M     .         .         .         .         .         .         .
       6500. C        .         .I   L W E.  M    .         .         .         .         .         .         .
       6550. C        .         .I   RL WE.  M    .         .         .         .         .         .         .
       6600. C        .         .I   RL WE.  M    .         .         .         .         .         .         .
       6650. C        .         .I   RL WE.   M   .         .         .         .         .         .         .
       6700. C        .         .I   RL WE.   M   .         .         .         .         .         .         .
       6750. C        .         .I   RL WE.   M   .         .         .         .         .         .         .
       6800. C        .         .I   R LWE.    M  .         .         .         .         .         .         .
       6850. C        .         .I   R L E.    M  .         .         .         .         .         .         .
9.84   6900. C        .         . I  R L WE    M  .         .         .         .         .         .         .
       6950. C        .         . I  R L WE    M  .         .         .         .         .         .         .
       7000. C        .         . I  R L WE    M  .         .         .         .         .         .         .
       7050. C        .         . I  RL  WE    M  .         .         .         .         .         .         .
       7100. C        .         . I  RL  WE    M  .         .         .         .         .         .         .
       7150. C        .         . I  RL  WE    M  .         .         .         .         .         .         .
       7200. C        .         . I   L  WE    M  .         .         .         .         .         .         .
       7250. C        .         .  I  L  WE    M  .         .         .         .         .         .         .
       7300. C        .         .  I LR  WE    M  .         .         .         .         .         .         .
       7350. C        .         .  I LR  WE    M  .         .         .         .         .         .         .
9.94   7400. C        .         .  I LR   E    M  .         .         .         .         .         .         .
       7450. C        .         .  I LR   E    M  .         .         .         .         .         .         .
       7500. C        .         .  I LR   E    M  .         .         .         .         .         .         .
       7550. C        .         .  I  L   WE   M  .         .         .         .         .         .         .
       7600. C        .         .   I L   WE   M  .         .         .         .         .         .         .
       7650. C        .         .   I L   WE   M  .         .         .         .         .         .         .
       7700. C        .         .   I LR  WE  M   .         .         .         .         .         .         .
       7750. C        .         .   I LR  WE  M   .         .         .         .         .         .         .
       7800. C        .         .   I LR  WE  M   .         .         .         .         .         .         .
       7850. C        .         .   I  L  WE  M   .         .         .         .         .         .         .
       7900. C        .         .   I  L  WE  M   .         .         .         .         .         .         .
10.04  7950. C        .         .    I L  WE  M   .         .         .         .         .         .         .
       8000. C        .         .    I L  WE  M   .         .         .         .         .         .         .
       8050. C
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       8100. C        .         .   I L  W E M     .         .         .         .         .         .
       8150. C        .         .   I LR W E  M     .         .         .         .         .         .
       8200. C        .         .   I LR .WE  M     .         .         .         .         .         .
       8250. C        .         .   I LR .WE  M     .         .         .         .         .         .
10.12  8300. .        .         .    ILR .WE  M     .         .         .         .         .         .
       8350. C        .         .    ILR .WE  M     .         .         .         .         .         .
       8400. C        .         .    I L .W E  M     .         .         .         .         .         .
       8450. C        .         .    I L .W E  M     .         .         .         .         .         .
       8500. C        .         .     IL . WE  M     .         .         .         .         .         .
       8550. C        .         .     I L. WE   M     .         .         .         .         .         .
       8600. C        .         .     I L. WE   M     .         .         .         .         .         .
       8650. C        .         .     I L. W E  M     .         .         .         .         .         .
       8700. C        .         .      IRL  WE   M    .         .         .         .         .         .
10.21  8750. C        .         .      IRL  WE   M    .         .         .         .         .         .
       8800. C        .         .      IRL  WE   M    .         .         .         .         .         .
       8850. C        .         .      I L  WE   M    .         .         .         .         .         .
       8900. C        .         .       IRL W E  M    .         .         .         .         .         .
       8950. C        .         .       IRL  WE  M    .         .         .         .         .         .
       9000. C        .         .       I.L  WE   M.  .         .         .         .         .         .
       9050. C        .         .        IL  WE   M.  .         .         .         .         .         .
       9100. C        .         .        IRL WE   M.  .         .         .         .         .         .
       9150. C        .         .        I L  WE  M.  .         .         .         .         .         .
10.30  9200. .        .         .        I L  WE  M.  .         .         .         .         .         .
       9250. C        .         .        I L  WE  M.  .         .         .         .         .         .
       9300. C        .         .        .IRL WE  M.  .         .         .         .         .         .
       9350. C        .         .        .I L WE  M.  .         .         .         .         .         .
       9400. C        .         .        .I L  E  M.  .         .         .         .         .         .
       9450. C        .         .        .I RL E   M  .         .         .         .         .         .
       9500. C        .         .        .I RL E   M  .         .         .         .         .         .
       9550. C        .         .        .I  L WE  M  .         .         .         .         .         .
       9600. C        .         .        .I  RLWE  M  .         .         .         .         .         .
10.40  9650. C        .         .        .I  RLWE  M  .         .         .         .         .         .
       9700. C        .         .        .I  RL E  M  .         .         .         .         .         .
       9750. C        .         .        .I  RL E  M  .         .         .         .         .         .
       9800. C        .         .        . I  RLE  M  .         .         .         .         .         .
       9850. C        .         .        . I  RLWE M  .         .         .         .         .         .
       9900. C        .         .        . I  RLWE M  .         .         .         .         .         .
       9950. C        .         .        . I  RL E M  .         .         .         .         .         .
      10000. C        .         .        .  I RL E M  .         .         .         .         .         .
      10050. C        .         .        .  I  RLWEM  .         .         .         .         .         .
      10100. .        C         .        .  I  RLWEM  .         .         .         .         .         .
10.49 10150. .        .         .        .  I  RLWEM  .         .         .         .         .         .
      10200. .        .         .        .  I  RLWEM  .         .         .         .         .         .
      10250. .        .         .        .  I  RL EM  .         .         .         .         .         .
      10300. .        .         .        .   I RL E.M .         .         .         .         .         .
      10350. .        .         .        .   I RL E.M .         .         .         .         .         .
      10400. .        .         .        .   I RL WEM .         .         .         .         .         .
      10450. .        .         .        .   I L  WEM .         .         .         .         .         .
      10500. .        .         .        .   I L  WEM .         .         .         .         .         .
      10550. .        .         .        .   I L  WEM .         .         .         .         .         .
      10600. .        .         .        .   I L  WE M .         .         .         .         .         .
      10650. .        .         .        .   I L  WE M .         .         .         .         .         .
      10700. .        .         .        .    IL   WEM .         .         .         .         .         .
10.62 10750. .        .         .        .    IL   WEM .         .         .         .         .         .
      10800. .        .         .        .    IL   WEM .         .         .         .         .         .
      10850. .        .         .        .    I L  WE M .         .         .         .         .         .
      10900. .        .         .        .    I L  WE M .         .         .         .         .         .
      10950. .        .         .        .    I L  .WE M .         .         .         .         .         .
      11000. .        .         .        .     IL  .WE M .         .         .         .         .         .
      11050. .        .         .        .     I L .WE M .         .         .         .         .         .
10.70 11100. .        .         .        .     I L .WE  M .         .         .         .         .         .
      11150. C        .         .        .     I L .WE  M .         .         .         .         .         .
      11200. C        .         .        .      I L. WE M .         .         .         .         .         .
      11250. C        .         .        .      I L. WE M .         .         .         .         .         .
      11300. C        .         .        .      I L. WE M .         .         .         .         .         .
      11350. C        .         .        .      I  L WE M .         .         .         .         .         .
      11400. C        .         .        .      I  L WE M .         .         .         .         .         .
      11450. C        .         .        .      I  L WE  M .         .         .         .         .         .
      11500. C        .         .        .      I  L  E  M .         .         .         .         .         .
      11550. C        .         .        .      I  .L E  M .         .         .         .         .         .
      11600. C        .         .        .       I .L E  M .         .         .         .         .         .
      11650. C        .         .        .       I .L WE M .         .         .         .         .         .
      11700. C        .         .        .       I . LWE M .         .         .         .         .         .
10.83 11750. C        .         .        .       I . LWE M .         .         .         .         .         .
      11800. C        .         .        .       I . L E M .         .         .         .         .         .
      11850. C        .         .        .        I. L E M .         .         .         .         .         .
      11900. C        .         .        .        I.  LE M .         .         .         .         .         .
      11950. C        .         .        .        I.  LWEM .         .         .         .         .         .
      12000. C        .         .        .        I.  LWE M .         .         .         .         .         .
      12050. C        .         .        .         I  LWE M .         .         .         .         .         .
      12100. C        .         .        .         I  L E M .         .         .         .         .         .
      12150. C        .         .        .         I   LE M .         .         .         .         .         .
      12200. C        .         .        .         I   LWEM .         .         .         .         .         .
10.93 12250. .        .         .        .         .I  LWEM .         .         .         .         .         .
      12300. C        .         .        .         .I  LWEM .         .         .         .         .         .
      12350. C        .         .        .         .I  LWE M .         .         .         .         .         .
      12400. C        .         .        .         .I  L E M .         .         .         .         .         .
      12450. C                                       .  L E  M
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       12500.  C      .      .      .      .I   LWE M.      .      .      .      .      .
       12550.  C      .      .      .      .I   LWE M.      .      .      .      .      .
       12600.  C      .      .      .      . I  LWE  M      .      .      .      .      .
       12650.  C      .      .      .      . I  L E  M      .      .      .      .      .
       12700.  C      .      .      .      . I  L E  .M     .      .      .      .      .
11.04  12750.  C      .      .      .      . I  L E  .M     .      .      .      .      .
       12800.  C      .      .      .      . I   LWE .M     .      .      .      .      .
       12850.  C      .      .      .      .  I  LWE .M     .      .      .      .      .
       12900.  C      .      .      .      .  I   WE .M     .      .      .      .      .
       12950.  C      .      .      .      .  I   LE . M    .      .      .      .      .
       13000.  C      .      .      .      .  I    WE. M    .      .      .      .      .
       13050.  C      .      .      .      .   I   WE. M    .      .      .      .      .
       13100.  C      .      .      .      .   I   WE. M    .      .      .      .      .
       13150.  C      .      .      .      .   I   WE. M    .      .      .      .      .
       13200.  C      .      .      .      .   I   W E M    .      .      .      .      .
       13250.  C      .      .      .      .    I   WEL M   .      .      .      .      .
       13300.  C      .      .      .      .    I   WEL M   .      .      .      .      .
       13350.  C      .      .      .      .    I   WE LM   .      .      .      .      .
       13400.  C      .      .      .      .    I   W.ELM   .      .      .      .      .
       13450.  C      .      .      .      .     I  W.E L   .      .      .      .      .
       13500.  .      .      .      .C     .     I  W.E L   .      .      .      .      .
11.20  13550.  .      .      .      .      .     I  W.E  L  .      .      .      .      .
       13600.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13650.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13700.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13750.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13800.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13850.  C      .      .      .      .     I   WE  L  .      .      .      .      .
       13900.  C      .      .      .      .     I   W E L  .      .      .      .      .
       13950.  C      .      .      .      .     I   W E L  .      .      .      .      .
       14000.  C      .      .      .      .     I   .WE LR .      .      .      .      .
11.30  14050.  C      .      .      .      .     I   .WE  L .      .      .      .      .
       14100.  C      .      .      .      .     I   .WE  L .      .      .      .      .
       14150.  C      .      .      .      .     I   .WE  L .      .      .      .      .
       14200.  C      .      .      .      .     I   .WE  L .      .      .      .      .
       14250.  C      .      .      .      .      I  .WE  L .      .      .      .      .
       14300.  C      .      .      .      .      I  .WE  L .      .      .      .      .
       14350.  C      .      .      .      .      I  .WE  L .      .      .      .      .
       14400.  C      .      .      .      .      I  .WE  LR .      .      .      .      .
       14450.  C      .      .      .      .      I  .WE  LR .      .      .      .      .
       14500.  C      .      .      .      .      I  .WE   L .      .      .      .      .
       14550.  C      .      .      .      .      I  .WE   L .      .      .      .      .
11.40  14600.  C      .      .      .      .      I  .WE   L .      .      .      .      .
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THIS RUN EXECUTED 01/01/80 00:46:06

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

KUNK CRK 50YR FLOOD Q=2

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
*	8.690	1378.49	.00	1600.00	5.96	12.63	4.82	12955.50	3548.07	820.00	1979.00	2118.00	2420.00
	8.750	1382.74	.00	1327.26	4.87	11.21	3.92	6782.29	2200.47	900.00	1800.00	2040.00	2290.00
*	8.890	1387.76	.00	1190.00	4.16	10.52	3.59	5361.68	1454.45	1280.00	1900.00	2240.00	2470.00
*	8.965	1390.41	.00	1195.00	3.97	10.66	4.71	3896.72	2779.00	1380.00	1955.00	2330.00	2575.00
	9.050	1393.07	.00	1150.00	4.23	8.36	3.44	9291.21	4067.21	1375.00	1905.00	2140.00	2525.00
*	9.090	1394.45	.00	1145.83	2.87	9.92	4.07	457.41	35.28	1310.00	1720.00	2575.00	2580.00
*	9.100	1394.39	.00	1130.12	1.33	10.19	1.90	190.74	15.94	1310.00	1720.00	2575.00	2580.00
*	9.115	1394.81	.00	1221.13	.91	9.82	1.98	75.05	17.91	1310.00	1630.00	2575.00	2580.00
	9.190	1395.46	.00	1270.00	1.62	8.01	1.71	1110.65	26.23	1310.00	1720.00	2575.00	2580.00
	9.200	1395.71	.00	1270.00	3.31	7.14	3.32	2598.13	54.85	1310.00	1720.00	2575.00	2580.00
	9.210	1397.31	.00	1154.37	2.85	7.09	.00	3236.80	.00	1380.00	1865.00	2540.00	2550.00
	9.310	1398.43	.00	517.84	.80	10.81	.00	10.25	.00	1280.00	1930.00	2403.00	2410.00
	9.400	1401.18	.00	609.48	2.65	11.12	.00	267.57	.00	1330.00	1940.00	2454.00	2460.00
	9.480	1405.02	.00	789.69	2.72	10.93	3.62	581.75	881.03	1540.00	1945.00	2300.00	2470.00
	9.580	1408.26	.00	720.00	2.20	9.79	5.26	197.43	3398.87	1815.00	1910.00	2340.00	2535.00
*	9.670	1410.48	.00	585.78	3.35	15.83	9.67	444.48	17110.50	1820.00	1970.00	2060.00	2480.00
*	9.750	1414.25	.00	534.43	5.22	15.16	7.53	2276.90	8012.23	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	9.840	1417.34	.00	518.30	4.22	11.42	5.26	2557.12	2760.41	.00	1955.00	2160.00	.00
	9.940	1419.10	.00	483.79	5.96	11.41	4.83	6911.82	1979.63	.00	1960.00	2120.00	.00
	10.040	1420.70	.00	506.54	5.17	10.77	4.15	2031.62	1873.44	.00	1920.00	2160.00	.00
*	10.120	1421.26	.00	364.38	6.98	15.32	6.47	1301.54	1464.54	.00	1900.00	2100.00	.00
	10.210	1425.62	.00	506.18	5.65	13.68	7.64	925.14	8840.90	.00	1880.00	2050.00	.00
*	10.300	1429.57	.00	819.64	6.26	12.76	5.60	823.38	6884.90	.00	1860.00	2080.00	.00
	10.400	1432.87	.00	1540.00	2.85	8.55	3.51	4938.39	4330.33	950.00	1870.00	2120.00	2490.00
*	10.490	1436.53	.00	1522.11	3.31	10.16	4.73	5595.05	1590.52	720.00	1885.00	2185.00	2310.00
*	10.620	1439.38	.00	1018.00	3.52	12.11	5.32	3980.93	1671.30	655.00	1795.00	2020.00	2125.00
*	10.700	1442.60	.00	885.49	4.24	12.98	5.37	4706.82	2415.68	800.00	1915.00	2100.00	2255.00
	10.830	1446.76	.00	1227.96	2.97	9.69	4.96	1078.36	14432.52	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.12	.00	1227.82	6.69	12.72	5.19	3171.86	11544.68	1360.00	1910.00	2085.00	2965.00
	11.040	1453.90	.00	1088.62	7.41	7.90	4.24	19288.30	5888.19	1440.00	1955.00	2065.00	2540.00
*	11.200	1458.94	.00	298.74	.00	14.68	.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1461.54	.00	307.14	.00	11.10	.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1461.98	.00	302.91	.00	12.67	.00	.00	.00	.00	1829.50	2171.50	.00

KUNK CRK 50YR FLOOD Q=2

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	8.690	1378.49	.00	1379.85	1600.00	12955.50	12496.42	3548.07	1600.00	820.00	1979.00	2118.00	2420.00
	8.750	1382.74	.00	1384.20	1327.26	6782.29	20017.24	2200.47	1390.00	900.00	1800.00	2040.00	2290.00
*	8.890	1387.76	.00	1389.13	1190.00	5361.68	22183.87	1454.45	1190.00	1280.00	1900.00	2240.00	2470.00
*	8.965	1390.41	.00	1391.83	1195.00	3896.72	22324.28	2779.00	1195.00	1380.00	1955.00	2330.00	2575.00
	9.050	1393.07	.00	1393.77	1150.00	9291.21	15641.58	4067.21	1150.00	1375.00	1905.00	2140.00	2525.00
*	9.090	1394.45	.00	1395.95	1145.83	457.41	28507.30	35.28	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.100	1394.39	.00	1395.99	1130.12	190.74	28793.31	15.94	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.115	1394.81	.00	1396.30	1221.13	75.05	28907.04	17.91	1270.00	1310.00	1630.00	2575.00	2580.00
	9.190	1395.46	.00	1396.42	1270.00	1110.65	27863.11	26.23	1270.00	1310.00	1720.00	2575.00	2580.00
	9.200	1395.71	.00	1396.44	1270.00	2598.13	26347.02	54.85	1270.00	1310.00	1720.00	2575.00	2580.00
	9.210	1397.31	.00	1398.02	1154.37	3236.80	25763.20	.00	1170.00	1380.00	1865.00	2540.00	2550.00
	9.310	1398.43	.00	1400.25	517.84	10.25	28989.75	.00	1130.00	1280.00	1930.00	2403.00	2410.00
	9.400	1401.18	.00	1403.09	609.48	267.57	28732.43	.00	1130.00	1330.00	1940.00	2454.00	2460.00
	9.480	1405.02	.00	1406.79	789.69	581.75	27537.21	881.03	930.00	1540.00	1945.00	2300.00	2470.00
	9.580	1408.26	.00	1409.62	720.00	197.43	25403.70	3398.87	720.00	1815.00	1910.00	2340.00	2535.00
*	9.670	1410.48	.00	1412.87	585.78	444.48	11445.02	17110.50	-1820.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1414.25	.00	1416.83	534.43	2276.90	18710.86	8012.23	.00	.00	1910.00	2035.00	.00
	9.840	1417.34	.00	1419.06	518.30	2557.12	23682.46	2760.41	.00	.00	1955.00	2160.00	.00
	9.940	1419.10	.00	1420.66	483.79	6911.82	20108.54	1979.63	.00	.00	1960.00	2120.00	.00
	10.040	1420.70	.00	1422.31	506.54	2031.62	25094.94	1873.44	.00	.00	1920.00	2160.00	.00
*	10.120	1421.26	.00	1424.63	364.38	1301.54	26233.92	1464.54	.00	.00	1900.00	2100.00	.00
	10.210	1425.62	.00	1427.84	506.18	925.14	19233.96	8840.90	.00	.00	1880.00	2050.00	.00
*	10.300	1429.57	.00	1431.56	819.64	823.38	21291.73	6884.90	.00	.00	1860.00	2080.00	.00
	10.400	1432.87	.00	1433.69	1540.00	4938.39	19731.28	4330.33	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1436.53	.00	1437.79	1522.11	5595.05	21814.43	1590.52	-720.00	720.00	1885.00	2185.00	2310.00
*	10.620	1439.38	.00	1441.27	1018.00	3980.93	23347.77	1671.30	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1442.60	.00	1444.65	885.49	4706.82	21877.50	2415.68	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1446.76	.00	1447.63	1227.96	1078.36	13489.12	14432.52	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.12	.00	1451.60	1227.82	3171.86	14283.46	11544.68	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1453.90	.00	1454.65	1088.62	19288.30	3823.51	5888.19	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1458.94	.00	1462.28	298.74	.00	29000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1461.54	.00	1463.45	307.14	.00	29000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1461.98	.00	1464.47	302.91	.00	29000.00	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=     8.690  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     8.890  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.890  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     8.965  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.965  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.090  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.090  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.100  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.100  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.670  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.670  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.750  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.120  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.120  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.300  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.300  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.490  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.490  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.490  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.620  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.620  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.930  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.930  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.930  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    11.200  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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100-YEAR FLOOD PROFILES

Proposed Conditions

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF NOVEMBER 1976                         *
*  UPDATED MAY 1984                                 *
*  IBM-PC-XT VERSION                                *
*  RUN DATE  01/01/80  TIME  00:51:59               *
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 440-2105 (FTS) 448-2105    *
*************************************
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X     X  XXXXXXX  XXXXX            XXXXX
X     X  X       X     X          X     X
X     X  X       X                      X
XXXXXXX  XXXX    X         XXXXX   XXXXX
X     X  X       X                X
X     X  X       X     X          X
X     X  XXXXXXX  XXXXX            XXXXXXX
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THIS RUN EXECUTED 01/01/80 00:52:00

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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T1     SKUNK CREEK FLOODPLAIN ANALYSIS
T2     ADOBE MT. SUBDIVISION
T3     SKUNK CRK 100YR FLOOD Q=39000 CFS POST DEVEL. COND. FULL/OPP. ENCRH.

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0.       3.       0.       0.   .000000     .00      .0       0.  1377.800    .000

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

    -1.000    .000     .000     .000     .000     .000     .000     .000     .000     .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000   1.000   52.000    4.000   55.000   26.000   56.000   13.000   15.000   27.000

    21.000  22.000   28.000     .000  110.000     .000  200.000     .000     .000     .000

NC      .045      .045      .035      .100      .300      .000      .000      .000      .000      .000
QT     2.000 39000.000 39000.000      .000      .000      .000      .000      .000      .000      .000
ET     8.690      .000     6.100      .000      .000     820.000 2420.000      .000      .000      .000
X1     8.690    19.000  1979.000  2118.000      .000      .000      .000      .000      .000      .000
GR  1380.000   452.000  1378.000   815.000  1378.000   877.000  1378.000   990.000  1378.000  1448.000
GR  1376.000  1481.000  1372.000  1542.000  1374.000  1675.000  1376.000  1727.000  1376.000  1979.000
GR  1369.800  2000.000  1370.000  2038.000  1372.000  2100.000  1376.000  2118.000  1376.200  2181.000
GR  1376.000  2278.000  1376.000  3560.000  1378.000  3560.000  1380.000  3890.000      .000      .000

ET     8.750      .000     6.100      .000      .000     900.000 2290.000      .000      .000      .000
X1     8.750    26.000  1800.000  2040.000   835.000   733.000   739.000      .000      .000      .000
GR  1390.000   170.000  1388.000   235.000  1386.000   420.000  1384.000   510.000  1383.000   820.000
GR  1382.000  1190.000  1382.000  1435.000  1384.000  1470.000  1384.000  1490.000  1382.000  1500.000
GR  1380.000  1560.000  1378.000  1573.000  1378.000  1600.000  1380.000  1625.000  1378.000  1740.000
GR  1378.000  1790.000  1376.000  1800.000  1376.000  1958.000  1372.000  1975.000  1371.000  2000.000
GR  1380.000  2040.000  1381.000  2290.000  1382.000  2650.000  1382.000  3790.000  1384.000  4050.000
GR  1386.000  4190.000      .000      .000      .000      .000      .000      .000      .000      .000

ET     8.890     4.100     6.100  1280.000  3730.000  1280.000  2470.000      .000      .000      .000
X1     8.890    21.000  1900.000  2240.000   565.000   650.000   840.000      .000      .000      .000
GR  1392.000   675.000  1386.000   780.000  1386.000  1765.000  1384.000  1775.000  1384.000  1805.000
GR  1386.000  1815.000  1384.000  1865.000  1384.000  1900.000  1382.000  1950.000  1382.000  1970.000
GR  1378.000  2000.000  1380.000  2030.000  1382.000  2090.000  1382.000  2230.000  1384.000  2240.000
GR  1386.000  2260.000  1387.000  3440.000  1386.500  3770.000  1387.000  4080.000  1388.000  4230.000
GR  1390.000  4440.000      .000      .000      .000      .000      .000      .000      .000      .000
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ET	8.965	4.100	6.100	1380.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1375.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.090	22.000	1720.000	2575.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.000	1580.000	1393.500	1670.000	1393.000	1720.000	1392.200	1787.000	1391.200	1855.000
GR	1390.200	1935.000	1389.700	2015.000	1389.600	2055.000	1389.800	2135.000	1390.800	2235.000
GR	1392.700	2575.000	1393.000	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
GR	1394.200	3692.000	1394.000	4025.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.100	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.100	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
ET	9.115	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.115	20.000	1630.000	2575.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.500	1530.000
GR	1394.000	1630.000	1393.000	1748.000	1392.000	1820.000	1391.000	1888.000	1390.000	1995.000
GR	1389.900	2055.000	1391.000	2230.000	1392.000	2315.000	1393.000	2575.000	1393.000	2624.000
GR	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000	1394.200	3692.000	1394.000	4175.000
ET	9.190	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.190	20.000	1720.000	2575.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1393.800	1530.000
GR	1393.400	1640.000	1392.800	1720.000	1392.000	1805.000	1391.000	1895.000	1390.400	1975.000
GR	1390.200	2055.000	1390.400	2155.000	1391.700	2315.000	1392.200	2415.000	1392.400	2495.000
GR	1392.400	2575.000	1392.300	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.200	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
NH	5.000	.045	1865.000	.035	1920.000	.030	2514.000	.016	2540.000	.040
NH	4000.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1380.000	2950.000	1380.000	2550.000	.000	.000	.000
X1	9.210	32.000	1865.000	2540.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1393.000	1920.000	1392.000	1942.000	1391.000	2040.000	1390.600	2110.000
GR	1391.000	2190.000	1392.000	2362.000	1393.000	2514.000	1398.500	2540.000	1398.000	2580.000
GR	1398.500	2950.000	1398.500	4000.000	.000	.000	.000	.000	.000	.000
NH	5.000	.045	1930.000	.035	2037.000	.030	2348.000	.016	2388.000	.045
NH	3200.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.310	4.100	6.100	1280.000	2560.000	1280.000	2410.000	.000	.000	.000
X1	9.310	27.000	1930.000	2403.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1395.000	1940.000	1393.000	1950.000	1392.000	2037.000	1391.500	2080.000
GR	1392.000	2220.000	1393.000	2348.000	1398.000	2388.000	1400.000	2392.000	1401.000	2403.000
GR	1402.000	2410.000	1402.700	3200.000	.000	.000	.000	.000	.000	.000
NC	.040	.040	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.400	4.100	6.100	1330.000	2500.000	1330.000	2460.000	.000	.000	.000
X1	9.400	34.000	1940.000	2454.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2225.000
GR	1400.000	2235.000	1395.000	2260.000	1394.000	2270.000	1393.600	2310.000	1394.000	2348.000
GR	1395.000	2410.000	1402.000	2440.000	1405.000	2454.000	1405.500	2600.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	625.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.500	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2085.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1426.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
NC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1680.000	1450.000	1740.000	1451.000	1850.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2880.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     820.0    2420.0  TYPE=     1  TARGET=    1600.000
     8.69     9.38  1379.18  1379.18      .00  1380.64     1.46      .00      .00  1376.00
   39000.   18816.   14760.    5424.    2967.    1085.     944.       0.       0.   1376.00
      .00     6.34    13.61     5.75     .045     .035     .045     .000  1369.80   820.00
  .006725       0.       0.       0.        0        7        0      .00  1600.00  2420.00

*SECNO 8.750

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=     900.0    2290.0  TYPE=     1  TARGET=    1390.000
     8.75    12.56  1383.56      .00      .00  1385.17     1.61     4.48      .04  1376.00
   39000.   10980.   24268.    3752.    2094.    1981.     765.      89.      27.   1380.00
      .02     5.24    12.25     4.90     .045     .035     .045     .000  1371.00   900.00
  .005032     835.     739.     733.        3        0        0      .00  1360.11  2290.00

*SECNO 8.890
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2470.0  TYPE=     1  TARGET=    1190.000
     8.89    10.46  1388.46  1388.46      .00  1390.09     1.62     4.08      .01  1384.00
   39000.    8845.   27537.    2618.    1727.    2348.     568.     165.      46.   1384.00
      .04     5.12    11.73     4.61     .045     .035     .045     .000  1378.00  1280.00
  .005818     565.     840.     650.        2       10        0      .00  1190.00  2470.00

*SECNO 8.965
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1380.0    2575.0  TYPE=     1  TARGET=    1195.000
     8.97    10.10  1391.10  1391.10      .00  1392.77     1.67     2.35      .01  1388.00
   39000.    6846.   27817.    4337.    1378.    2353.     759.     203.      55.   1388.00
      .05     4.97    11.82     5.71     .045     .035     .045     .000  1381.00  1380.00
  .006714     275.     400.     410.        2       10        0      .00  1195.00  2575.00
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*SECNO 9.050

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1375.0    2525.0  TYPE=     1  TARGET=    1150.000
     9.05    11.97  1393.97      .00      .00  1394.80      .84     1.95      .08  1388.00
   39000.   13267.   19303.    6430.    2669.    2082.    1527.     260.      67.   1390.00
      .07     4.97     9.27     4.21     .045     .035     .045     .000  1382.00  1375.00
  .002628     410.     550.     370.        2        0        0      .00  1150.00  2525.00

*SECNO 9.090
3280 CROSS SECTION      9.09 EXTENDED      1.19 FEET

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.09     5.59  1395.19  1395.19      .00  1396.88     1.70     1.53      .26  1393.00
   39000.    1599.   37345.      56.     434.    3506.      12.     299.      76.   1392.70
      .08     3.68    10.65     4.53     .045     .035     .045     .000  1389.60  1310.00
  .009589     328.     348.     278.        4       14        0      .00  1270.00  2580.00

*SECNO 9.100
3280 CROSS SECTION      9.10 EXTENDED      1.14 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.10     5.54  1395.14  1395.14      .00  1397.00     1.86      .00      .05  1393.00
   39000.     713.   38261.      26.     414.    3465.      12.     299.      76.   1392.70
      .08     1.72    11.04     2.14     .045     .016     .045     .000  1389.60  1310.00
  .002188       1.       1.       1.        3        5        0      .00  1270.00  2580.00

*SECNO 9.115
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3280 CROSS SECTION      9.11 EXTENDED      1.50 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.11      5.60  1395.50  1395.50      .00  1397.26     1.76      .05       .01  1394.00
   39000.      461.   38512.     27.      300.    3592.      12.      301.      77.   1393.00
      .08      1.54    10.72    2.20      .045     .016     .045      .000  1389.90  1310.00
  .002247      22.      22.      22.       20        5        0       .00  1270.00  2580.00

*SECNO 9.190
3280 CROSS SECTION      9.19 EXTENDED      1.97 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.19      5.97  1396.17     .00       .00  1397.37     1.21      .06       .06  1392.80
   39000.     1999.   36965.     36.      976.    4086.      19.      305.      78.   1392.40
      .08      2.05     9.05    1.89      .045     .016     .045      .000  1390.20  1310.00
  .001178      37.      37.      37.        5        0        0       .00  1270.00  2580.00

*SECNO 9.200
3280 CROSS SECTION      9.20 EXTENDED      2.35 FEET

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.20      6.35  1396.55     .00       .00  1397.41      .86      .00       .03  1392.80
   39000.     4558.   34369.     73.     1131.    4409.      21.      305.      78.   1392.40
      .08      4.03     7.80    3.50      .045     .035     .045      .000  1390.20  1310.00
  .003783       1.       1.       1.        3        0        0       .00  1270.00  2580.00

1490 NH CARD USED
*SECNO 9.210

3470 ENCROACHMENT STATIONS=    1380.0    2550.0  TYPE=     1  TARGET=    1170.000
     9.21      7.52  1398.12     .00       .00  1399.01      .89     1.59       .01  1394.00
   39000.     5388.   33612.      0.     1527.    4178.       0.      373.      92.   1398.50
      .11      3.53     8.05     .00      .045     .030     .045      .000  1390.60  1380.00
  .002331     422.     562.     462.        2        0        0       .00  1158.19  2538.19
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 9.310

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1280.0    2410.0  TYPE=     1  TARGET=    1130.000
     9.31      7.58  1399.08  1399.02      .00  1401.71    2.63      2.18       .52  1398.00
   39000.      158.   38842.      0.     123.     2977.      0.      434.      106.   1401.00
      .12      1.28    13.05     .00     .045      .030    .045      .000  1391.50  1280.00
  .005606      400.     650.    480.       6         5       0       .00  1110.16  2390.16

*SECNO 9.400

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1330.0    2460.0  TYPE=     1  TARGET=    1130.000
     9.40      9.21  1402.81     .00      .00  1404.50    1.69      2.69       .09  1402.00
   39000.     2551.   36449.      0.     750.     3394.      0.      475.      117.   1405.00
      .13      3.40    10.74     .00     .040      .035    .040      .000  1393.60  1330.00
  .005077      370.     510.    420.       3         0       0       .00  1113.83  2443.83

1490 NH CARD USED
*SECNO 9.480

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1540.0    2470.0  TYPE=     1  TARGET=     930.000
     9.48      9.78  1405.78  1405.78      .00  1408.07    2.28      3.27       .18  1404.00
   39000.     1808.   35325.   1868.     447.     2790.    373.      517.      127.   1402.00
      .14      4.04    12.66    5.01     .045      .045    .050      .000  1396.00  1540.00
  .009515      370.     490.    420.       3         8       0       .00   871.61  2470.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.580

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1815.0    2535.0  TYPE=     1  TARGET=     720.000
     9.58     10.92  1409.42      .00       .00  1411.00     1.57      2.86       .07  1407.50
   39000.      720.   32963.    5317.      200.    3093.     873.      556.      135.  1406.00
      .16      3.60    10.66     6.09      .045     .035     .045      .000  1398.50  1815.00
  .004555      390.     450.     460.         2        0        0       .00   720.00  2535.00

*SECNO 9.670

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1820.0    2480.0  TYPE=     1  TARGET=   -1820.000
     9.67     11.58  1411.58  1411.58       .00  1414.36     2.78      2.58       .36  1408.00
   39000.     1511.   14171.   23319.      297.     822.    2152.      592.      141.  1408.00
      .17      5.08    17.24    10.84      .045     .035     .045      .000  1400.00  1820.00
  .008996      470.     410.     420.         4        8        0       .00   590.89  2410.89

*SECNO 9.750
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75     13.72  1415.42  1415.42       .00  1418.41     3.00      2.94       .06  1410.00
   39000.     4147.   23071.   11782.      626.    1379.    1357.      622.      146.  1410.00
      .17      6.62    16.73     8.69      .045     .035     .045      .000  1401.70  1742.92
  .006442      390.     370.     410.         4       11        0       .00   547.00  2289.92

*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     15.71  1418.71       .00       .00  1420.76     2.05      2.25       .09  1414.00
   39000.     4668.   29923.    4409.      865.    2352.     701.      663.      152.  1410.00
      .19      5.39    12.72     6.29      .045     .035     .045      .000  1403.00  1762.35
  .003511      500.     480.     490.         2        0        0       .00   529.25  2291.60
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.940
     9.94     14.54   1420.54       .00       .00   1422.43      1.89      1.65       .02   1410.00
   39000.    10191.    25414.     3395.     1454.     1992.      599.      707.      158.   1412.00
      .20      7.01     12.76      5.66      .045      .035      .045      .000   1406.00   1752.14
  .003138      430.      520.      470.         2         0         0       .00    505.85   2258.00

*SECNO 10.040
    10.04     13.23   1422.23       .00       .00   1424.11      1.88      1.69       .00   1414.00
   39000.     3275.    32028.     3697.      539.     2695.      749.      757.      164.   1414.00
      .21      6.08     11.88      4.94      .045      .035      .045      .000   1409.00   1820.96
  .003119      540.      540.      540.         2         0         0       .00    553.66   2374.62

*SECNO 10.120

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.12     11.74   1423.24   1423.24       .00   1426.51      3.27      1.62       .41   1414.00
   39000.     2730.    32821.     3449.      418.     2109.      553.      789.      170.   1416.00
      .22      6.53     15.56      6.24      .045      .035      .045      .000   1411.50   1753.78
  .005823      450.      380.      420.         4        11         0       .00    536.13   2289.91

*SECNO 10.210
    10.21     11.15   1426.65       .00       .00   1429.44      2.79      2.88       .05   1420.00
   39000.     1600.    24565.    12835.      237.     1583.     1445.      823.      175.   1418.00
      .23      6.76     15.52      8.88      .045      .035      .045      .000   1415.50   1806.43
  .006835      490.      450.      475.         4         0         0       .00    523.44   2329.87

*SECNO 10.300

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    10.30      9.78   1430.58   1430.58       .00   1432.76      2.19      3.25       .06   1424.00
   39000.     1381.    26114.    11505.      201.     1891.     1837.      860.      183.   1424.00
      .24      6.87     13.81      6.26      .045      .040      .050      .000   1420.80   1787.12
  .007865      460.      440.      450.         3        15         0       .00    930.03   2717.16
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.400

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=     950.0    2490.0  TYPE=     1  TARGET=    1540.000
    10.40     12.01  1434.01      .00       .00  1434.78      .78      1.88       .14  1430.00
   39000.     9772.   22610.    6618.     2779.    2592.    1653.      919.      196.  1428.00
      .26      3.52     8.72     4.00      .045     .040     .050      .000  1422.00   950.00
  .002450      480.     460.     470.         2        0        0       .00  1540.00  2490.00

*SECNO 10.490

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     720.0    2310.0  TYPE=     1  TARGET=    -720.000
    10.49     10.55  1437.05  1437.05       .00  1438.61     1.55      1.71       .23  1434.00
   39000.     9899.   26845.    2257.     2281.    2304.     398.      980.      212.  1432.00
      .27      4.34    11.65     5.68      .045     .040     .050      .000  1426.50   743.82
  .006504      420.     470.     450.        20        9        0       .00  1558.81  2302.64

*SECNO 10.620

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62     11.23  1440.43  1440.43       .00  1442.40     1.97      3.21       .12  1432.00
   39000.     8586.   28010.    2404.     2002.    2164.     402.     1045.      231.  1432.00
      .29      4.29    12.94     5.98      .045     .035     .050      .000  1429.20   655.00
  .004549      605.     590.     600.         3        8        0       .00  1316.30  2107.16

*SECNO 10.700
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1  TARGET=    -800.000
    10.70    11.08  1443.58  1443.58      .00  1445.90     2.32      1.88       .11  1436.00
   39000.     8806.   26687.    3507.    1686.    1867.     568.     1085.     242.   1436.00
      .30     5.22    14.29     6.18     .045     .035     .050      .000  1432.50  1320.26
  .005209     405.     380.     390.       20        5        0       .00   902.63  2238.95

*SECNO 10.830

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1080.0    2875.0  TYPE=     1  TARGET=   -1080.000
    10.83    11.88  1447.88      .00      .00  1448.78      .90      2.74       .14  1444.00
   39000.     2426.   16274.   20301.     650.    1619.    3818.     1161.     258.   1444.00
      .32     3.73    10.05     5.32     .045     .035     .050      .000  1436.00  1554.28
  .003489     645.     650.     650.        2        0        0       .00  1284.65  2838.93

*SECNO 10.930

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93     9.95  1450.95  1450.95      .00  1452.50     1.54      2.42       .19  1448.00
   39000.     4532.   17013.   17455.     657.    1269.    2962.     1224.     273.   1448.00
      .34     6.89    13.40     5.89     .045     .035     .050      .000  1441.00  1645.16
  .007148     500.     500.     500.       20       10        0       .00  1319.84  2965.00

*SECNO 11.040
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
    11.04     10.66  1454.66       .00       .00  1455.61       .95      3.05       .06  1450.00
   39000.    24785.    5212.     9003.     2985.     567.     1749.     1282.      287.   1450.00
      .36      8.30      9.19      5.15      .045      .035      .050      .000  1444.00  1447.29
  .005265      500.      500.      500.         2         0         0       .00  1092.71  2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    11.20      8.42  1460.42  1460.42       .00  1464.44      4.02      2.89       .92  1467.00
   39000.        0.   39000.       0.        0.    2423.        0.     1347.      298.   1467.00
      .37       .00     16.10      .00      .045      .020      .050      .000  1452.00  1847.67
  .003008      680.      770.      755.        20        15         0       .00   304.67  2152.33

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS

    11.30     10.71  1463.21       .00       .00  1465.62      2.41      1.02       .16  1469.00
   39000.        0.   39000.       0.        0.    3128.        0.     1381.      302.   1469.50
      .38       .00     12.47      .00      .045      .020      .050      .000  1452.50  1843.11
  .001341      528.      528.      528.         3         0         0       .00   313.79  2156.89

*SECNO 11.400

3301 HV CHANGED MORE THAN HVINS

    11.40      9.61  1463.61       .00       .00  1466.65      3.03       .84       .19  1471.50
   39000.        0.   39000.       0.        0.    2790.        0.     1416.      306.   1472.00
      .39       .00     13.98      .00      .045      .020      .050      .000  1454.00  1845.27
  .001922      528.      528.      528.         3         0         0       .00   309.46  2154.73
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PROFILE FOR STREAM KUNK CRK 100YR FLOOD Q=3

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

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ELEVATION 1360.    1380.    1400.    1420.    1440.    1460.    1480.    1500.    1520.    1540.
   SECNO  CUMDIS

    8.69     0.  .   I  L E        .        .        .        .        .        .        .        .
            50.  C   I  L E        .        .        .        .        .        .        .        .
           100.  C   I  L WE       .        .        .        .        .        .        .        .
           150.  C   I  L WE       .        .        .        .        .        .        .        .
           200.  C   I  LRWE       .        .        .        .        .        .        .        .
           250.  C   I  LRWE       .        .        .        .        .        .        .        .
           300.  C   I  LRWE       .        .        .        .        .        .        .        .
           350.  C   I  LR.E       .        .        .        .        .        .        .        .
           400.  C   I  LR.WE      .        .        .        .        .        .        .        .
           450.  C   I  LR.WE      .        .        .        .        .        .        .        .
           500.  C   I  LR.WE      .        .        .        .        .        .        .        .
           550.  C   I  LR.WE      .        .        .        .        .        .        .        .
           600.  C   I  L RWE      .        .        .        .        .        .        .        .
           650.  C   I  L R EM     .        .        .        .        .        .        .        .
           700.  C   I  L R EM     .        .        .        .        .        .        .        .
    8.75   750.  C    I L R WE     .        .        .        .        .        .        .        .
           800.  C    I L R WE     .        .        .        .        .        .        .        .
           850.  C    I L R WE     .        .        .        .        .        .        .        .
           900.  C    I  LR WE     .        .        .        .        .        .        .        .
           950.  C    I  LR WE     .        .        .        .        .        .        .        .
          1000.  C     I L.R EM    .        .        .        .        .        .        .        .
          1050.  C     I L.R EM    .        .        .        .        .        .        .        .
          1100.  C     I  LR WE    .        .        .        .        .        .        .        .
          1150.  C     I  LR WE    .        .        .        .        .        .        .        .
          1200.  C     I  LR WE    .        .        .        .        .        .        .        .
          1250.  C      I LR WE    .        .        .        .        .        .        .        .
          1300.  C      I .L WE    .        .        .        .        .        .        .        .
          1350.  C      I .L  E    .        .        .        .        .        .        .        .
          1400.  C      I .LR EM   .        .        .        .        .        .        .        .
          1450.  C      I .LR WE   .        .        .        .        .        .        .        .
          1500.  C       I. L WE   .        .        .        .        .        .        .        .
          1550.  C       I. L WE   .        .        .        .        .        .        .        .
    8.89  1600.  .       I. L WE   .        .        .        .        .        .        .        .
          1650.  .       I. L WE   .        .        .        .        .        .        .        .
          1700.  .       I.  L E   .        .        .        .        .        .        .        .
          1750.  .        I  L WE  .        .        .        .        .        .        .        .
          1800.  .        I  L WE  .        .        .        .        .        .        .        .
          1850.  .        I  L WE  .        .        .        .        .        .        .        .
          1900.  .        I   LWE  .        .        .        .        .        .        .        .
          1950.  .        I   LWE  .        .        .        .        .        .        .        .
    8.97  2000.  .        .I  L E  .        .        .        .        .        .        .        .
          2050.  C        .I  L E  .        .        .        .        .        .        .        .
          2100.  C        .I  L WE .        .        .        .        .        .        .        .
          2150.  C        .I  L WE .        .        .        .        .        .        .        .
          2200.  C        .I  L WE .        .        .        .        .        .        .        .
          2250.  C        .I  L WE .        .        .        .        .        .        .        .
          2300.  C        .I  LRWE .        .        .        .        .        .        .        .
          2350.  C        .I  LRWE .        .        .        .        .        .        .        .
          2400.  C        .I  LR E .        .        .        .        .        .        .        .
          2450.  C        .I  LR E .        .        .        .        .        .        .        .
          2500.  C        .I  LR E .        .        .        .        .        .        .        .
    9.05  2550.  C        .I  LR E .        .        .        .        .        .        .        .
          2600.  C        . I LR WE .       .        .        .        .        .        .        .
          2650.  C        . I  L WE .       .        .        .        .        .        .        .
          2700.  C        .  I LRWE .       .        .        .        .        .        .        .
          2750.  C        .  I LRWE .       .        .        .        .        .        .        .
          2800.  C        .   I LWE .       .        .        .        .        .        .        .
          2850.  C        .   I LME .       .        .        .        .        .        .        .
    9.09  2900.  .        .    IRLE .       .        .        .        .        .        .        .
    9.10  2950.  .        .    IRLWE.       .        .        .        .        .        .        .
    9.11  3000.  .        .    I LWE.       .        .        .        .        .        .        .
    9.19  3050.  C        .    ILMWE.       .        .        .        .        .        .        .
    9.20  3100.  C        .    ILMWE.       .        .        .        .        .        .        .
          3150.  C        .    ILMWE.       .        .        .        .        .        .        .
          3200.  C        .    I LWE.       .        .        .        .        .        .        .
          3250.  C        .    I LWE.       .        .        .        .        .        .        .
          3300.  C        .    I LME.       .        .        .        .        .        .        .
          3350.  C        .    I LRE.       .        .        .        .        .        .        .
          3400.  C        .    I LRE.       .        .        .        .        .        .        .
          3450.  C        .    I LRE.       .        .        .        .        .        .        .
    9.21  3500.  C        .    I L WE       .        .        .        .        .        .        .
          3550.  C        .    I L WE       .        .        .        .        .        .        .
          3600.  C        .    I L WE       .        .        .        .        .        .        .
          3650.  C        .    I L WE       .        .        .        .        .        .        .
          3700.  C        .    I  LWE       .        .        .        .        .        .        .
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       3750. C        .    I LWE        .         .         .         .         .         .         .
       3800. C        .    I LWE        .         .         .         .         .         .         .
       3850. C        .    I LWE        .         .         .         .         .         .         .
       3900. C        .    I LWEM       .         .         .         .         .         .         .
       3950. C        .    I LWEM       .         .         .         .         .         .         .
       4000. C        .    I  WRE       .         .         .         .         .         .         .
       4050. C        .    I  WRE       .         .         .         .         .         .         .
       4100. C        .    I  LWE       .         .         .         .         .         .         .
9.31   4150. .        .    I  LWE       .         .         .         .         .         .         .
       4200. C        .    I  LWE       .         .         .         .         .         .         .
       4250. C        .    I  LWEM      .         .         .         .         .         .         .
       4300. C        .    I   WEM      .         .         .         .         .         .         .
       4350. C        .    I   WEM      .         .         .         .         .         .         .
       4400. C        .    I   WRE      .         .         .         .         .         .         .
       4450. C        .    I   LWE      .         .         .         .         .         .         .
       4500. C        .    I   LWE      .         .         .         .         .         .         .
       4550. C        .     I  .WE      .         .         .         .         .         .         .
       4600. C        .     I  .WEM     .         .         .         .         .         .         .
       4650. C        .     I  .WEM     .         .         .         .         .         .         .
9.40   4700. C        .     I  .WER     .         .         .         .         .         .         .
       4750. C        .     I  .LEM     .         .         .         .         .         .         .
       4800. C        .     I  .LWE     .         .         .         .         .         .         .
       4850. C        .     I  .LWE     .         .         .         .         .         .         .
       4900. C        .     I  .LWEM    .         .         .         .         .         .         .
       4950. C        .     I  . WEM    .         .         .         .         .         .         .
       5000. C        .      I . WEM    .         .         .         .         .         .         .
       5050. C        .      I .RW E    .         .         .         .         .         .         .
       5100. C        .      I .RLWEM   .         .         .         .         .         .         .
9.48   5150. .        .      I .RLWEM   .         .         .         .         .         .         .
       5200. C        .      I .RLWEM   .         .         .         .         .         .         .
       5250. C        .      I .RLWEM   .         .         .         .         .         .         .
       5300. C        .      I . RW E   .         .         .         .         .         .         .
       5350. C        .       I. RLWE   .         .         .         .         .         .         .
       5400. C        .       I. RLWE   .         .         .         .         .         .         .
       5450. C        .       I. RLWE   .         .         .         .         .         .         .
       5500. C        .       I.  LWE   .         .         .         .         .         .         .
       5550. C        .       I.  RLE   .         .         .         .         .         .         .
9.58   5600. C        .       I.  RLWE  .         .         .         .         .         .         .
       5650. C        .       I.  RLWE  .         .         .         .         .         .         .
       5700. C        .       I.  RLWEM .         .         .         .         .         .         .
       5750. C        .        I  RLWE M .        .         .         .         .         .         .
       5800. C        .        I  RLWE  M.        .         .         .         .         .         .
       5850. C        .        I   LW E  M        .         .         .         .         .         .
       5900. C        .        I   L WE  .M       .         .         .         .         .         .
       5950. C        .        I   L WE  . M      .         .         .         .         .         .
       6000. .      C.         I   L WE  .  M     .         .         .         .         .         .
9.67   6050. .        .        I   L WE  .  M     .         .         .         .         .         .
       6100. .        .        I   L WE  .  M     .         .         .         .         .         .
       6150. .        .        I   L W E .  M     .         .         .         .         .         .
       6200. .        .        I   L  WE .  M     .         .         .         .         .         .
       6250. .        .        I    L WE . M      .         .         .         .         .         .
       6300. .        .        .I   L W E. M      .         .         .         .         .         .
       6350. .        .        .I   L W E. M      .         .         .         .         .         .
9.75   6400. .        .        .I   L  WE. M      .         .         .         .         .         .
       6450. C        .        .I   L  WE. M      .         .         .         .         .         .
       6500. C        .        .I   L  WE.  M     .         .         .         .         .         .
       6550. C        .        .I   RL W E  M     .         .         .         .         .         .
       6600. C        .        .I   RL W E  M     .         .         .         .         .         .
       6650. C        .        .I   RL  WE   M    .         .         .         .         .         .
       6700. C        .        .I   RL  WE   M    .         .         .         .         .         .
       6750. C        .        .I   RL  WE   M    .         .         .         .         .         .
       6800. C        .        .I   R L WE    M   .         .         .         .         .         .
       6850. C        .        .I   R L WE    M   .         .         .         .         .         .
9.84   6900. C        .        . I  R L WE    M   .         .         .         .         .         .
       6950. C        .        . I  R L WE    M   .         .         .         .         .         .
       7000. C        .        . I  R L  WE   M   .         .         .         .         .         .
       7050. C        .        . I  RL   WE   M   .         .         .         .         .         .
       7100. C        .        . I  RL   WE   M   .         .         .         .         .         .
       7150. C        .        . I  RL   WE   M   .         .         .         .         .         .
       7200. C        .        . I   L   WE   M   .         .         .         .         .         .
       7250. C        .        .  I  L   WE   M   .         .         .         .         .         .
       7300. C        .        .  I LR   WE   M   .         .         .         .         .         .
       7350. C        .        .  I LR   WE   M   .         .         .         .         .         .
9.94   7400. C        .        .  I LR   WE   M   .         .         .         .         .         .
       7450. C        .        .  I LR   WE   M   .         .         .         .         .         .
       7500. C        .        .  I LR   WE   M   .         .         .         .         .         .
       7550. C        .        .  I  L   .E   M   .         .         .         .         .         .
       7600. C        .        .   I L   .WE  M   .         .         .         .         .         .
       7650. C        .        .   I L   .WE  M   .         .         .         .         .         .
       7700. C        .        .   I LR  .WE M    .         .         .         .         .         .
       7750. C        .        .   I LR  .WE M    .         .         .         .         .         .
       7800. C        .        .   I LR  .WE M    .         .         .         .         .         .
       7850. C        .        .   I  L  .WE M    .         .         .         .         .         .
       7900. C        .        .   I  L  .WE M    .         .         .         .         .         .
10.04  7950. C        .        .    I L  .WE M    .         .         .         .         .         .
       8000. C        .        .    I L  .WE M    .         .         .         .         .         .
       8050. C        .        .    I L  .WE M    .         .         .         .         .         .
       8100. C                      I L   W EM
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       8150.  C        .        .        I LR .W E M    .        .        .        .        .        .        .
       8200.  C        .        .        I LR .W E M    .        .        .        .        .        .        .
       8250.  C        .        .        I LR . WE M    .        .        .        .        .        .        .
10.12  8300.  .        .        .         ILR . WE M    .        .        .        .        .        .        .
       8350.  C        .        .        ILR . WE M     .        .        .        .        .        .        .
       8400.  C        .        .        I L . W E M    .        .        .        .        .        .        .
       8450.  C        .        .        I L . W E M    .        .        .        .        .        .        .
       8500.  C        .        .         IL . W E M    .        .        .        .        .        .        .
       8550.  C        .        .         I L.  WE  M   .        .        .        .        .        .        .
       8600.  C        .        .         I L.  WE  M   .        .        .        .        .        .        .
       8650.  C        .        .         I L.  WE  M   .        .        .        .        .        .        .
       8700.  C        .        .          IRL  W E  M  .        .        .        .        .        .        .
10.21  8750.  C        .        .          IRL  W E  M  .        .        .        .        .        .        .
       8800.  C        .        .          IRL   WE  M  .        .        .        .        .        .        .
       8850.  C        .        .          I L   WE  M  .        .        .        .        .        .        .
       8900.  C        .        .           IRL  WE  M  .        .        .        .        .        .        .
       8950.  C        .        .           IRL  WE  M  .        .        .        .        .        .        .
       9000.  C        .        .           I.L  W E  M.         .        .        .        .        .        .
       9050.  C        .        .            IL   WE  M.         .        .        .        .        .        .
       9100.  C        .        .            IRL  WE  M.         .        .        .        .        .        .
       9150.  C        .        .            I L  WE  M.         .        .        .        .        .        .
10.30  9200.  .        .        .            I L  WE  M.         .        .        .        .        .        .
       9250.  C        .        .            I L  WE  M.         .        .        .        .        .        .
       9300.  C        .        .            .IRL  WE M.         .        .        .        .        .        .
       9350.  C        .        .            .I L  WE M.         .        .        .        .        .        .
       9400.  C        .        .            .I L  WE M.         .        .        .        .        .        .
       9450.  C        .        .            .I RL WE  M         .        .        .        .        .        .
       9500.  C        .        .            .I RL WE  M         .        .        .        .        .        .
       9550.  C        .        .            .I  L  E  M         .        .        .        .        .        .
       9600.  C        .        .            .I  RL E  M         .        .        .        .        .        .
10.40  9650.  C        .        .            .I  RL E  M         .        .        .        .        .        .
       9700.  C        .        .            .I  RL WE M         .        .        .        .        .        .
       9750.  C        .        .            .I  RL WE M         .        .        .        .        .        .
       9800.  C        .        .            . I  RLWE M         .        .        .        .        .        .
       9850.  C        .        .            . I  RL E M         .        .        .        .        .        .
       9900.  C        .        .            . I  RL E M         .        .        .        .        .        .
       9950.  C        .        .            . I  RL WEM         .        .        .        .        .        .
      10000.  C        .        .            .  I RL WEM         .        .        .        .        .        .
      10050.  C        .        .            .  I  RLWEM         .        .        .        .        .        .
      10100.  .        C        .            .  I  RLWEM         .        .        .        .        .        .
10.49 10150.  .        .        .            .  I  RL EM         .        .        .        .        .        .
      10200.  .        .        .            .  I  RL EM         .        .        .        .        .        .
      10250.  .        .        .            .  I  RL WE         .        .        .        .        .        .
      10300.  .        .        .            .   I RL WEM        .        .        .        .        .        .
      10350.  .        .        .            .   I RL WEM        .        .        .        .        .        .
      10400.  .        .        .            .   I RL WEM        .        .        .        .        .        .
      10450.  .        .        .            .   I L  WEM        .        .        .        .        .        .
      10500.  .        .        .            .   I L   EM        .        .        .        .        .        .
      10550.  .        .        .            .   I L   WE        .        .        .        .        .        .
      10600.  .        .        .            .   I L   WEM       .        .        .        .        .        .
      10650.  .        .        .            .   I L   WEM       .        .        .        .        .        .
      10700.  .        .        .            .    IL   WEM       .        .        .        .        .        .
10.62 10750.  .        .        .            .    IL   WEM       .        .        .        .        .        .
      10800.  .        .        .            .    IL   WEM       .        .        .        .        .        .
      10850.  .        .        .            .    I L  .WEM      .        .        .        .        .        .
      10900.  .        .        .            .    I L  .WEM      .        .        .        .        .        .
      10950.  .        .        .            .    I L  .WE M     .        .        .        .        .        .
      11000.  .        .        .            .     IL  .WE M     .        .        .        .        .        .
      11050.  .        .        .            .     I L .W EM     .        .        .        .        .        .
10.70 11100.  .        .        .            .     I L . WE M    .        .        .        .        .        .
      11150.  C        .        .            .     I L . WE M    .        .        .        .        .        .
      11200.  C        .        .            .      I L. WE M    .        .        .        .        .        .
      11250.  C        .        .            .      I L. WE M    .        .        .        .        .        .
      11300.  C        .        .            .      I L. WE M    .        .        .        .        .        .
      11350.  C        .        .            .      I  L  WEM    .        .        .        .        .        .
      11400.  C        .        .            .      I  L  WEM    .        .        .        .        .        .
      11450.  C        .        .            .      I  L  WE M   .        .        .        .        .        .
      11500.  C        .        .            .      I  L  WE M   .        .        .        .        .        .
      11550.  C        .        .            .      I  .L WE M   .        .        .        .        .        .
      11600.  C        .        .            .       I .L WE M   .        .        .        .        .        .
      11650.  C        .        .            .       I .L  E M   .        .        .        .        .        .
      11700.  C        .        .            .       I . L E M   .        .        .        .        .        .
10.83 11750.  C        .        .            .       I . L E M   .        .        .        .        .        .
      11800.  C        .        .            .       I . L WEM   .        .        .        .        .        .
      11850.  C        .        .            .        I. L WEM   .        .        .        .        .        .
      11900.  C        .        .            .        I.  LWEM   .        .        .        .        .        .
      11950.  C        .        .            .        I.  L EM   .        .        .        .        .        .
      12000.  C        .        .            .        I.  L E M  .        .        .        .        .        .
      12050.  C        .        .            .         I  L WEM  .        .        .        .        .        .
      12100.  C        .        .            .         I  L WEM  .        .        .        .        .        .
      12150.  C        .        .            .         I   LWEM  .        .        .        .        .        .
      12200.  C        .        .            .         I   LWEM  .        .        .        .        .        .
10.93 12250.  .        .        .            .         .I  LWEM  .        .        .        .        .        .
      12300.  C        .        .            .         .I  L EM  .        .        .        .        .        .
      12350.  C        .        .            .         .I  L WEM .        .        .        .        .        .
      12400.  C        .        .            .         .I  L WEM .        .        .        .        .        .
      12450.  C        .        .            .         .I  L WE M.        .        .        .        .        .
      12500.  C                                          I   LWE M
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      12550.  C     .     .     .     .I  L E  M.    .     .     .     .     .
      12600.  C     .     .     .     .I  L E  M     .     .     .     .     .
      12650.  C     .     .     .     .I  L E  M     .     .     .     .     .
      12700.  C     .     .     .     .I  L WE .M    .     .     .     .     .
11.04 12750.  C     .     .     .     .I  L WE .M    .     .     .     .     .
      12800.  C     .     .     .     .I   L E .M    .     .     .     .     .
      12850.  C     .     .     .     . I  L E .M    .     .     .     .     .
      12900.  C     .     .     .     . I   LWE.M    .     .     .     .     .
      12950.  C     .     .     .     . I   LWE. M   .     .     .     .     .
      13000.  C     .     .     .     . I    WE. M   .     .     .     .     .
      13050.  C     .     .     .     .  I   W E M   .     .     .     .     .
      13100.  C     .     .     .     .  I    WE M   .     .     .     .     .
      13150.  C     .     .     .     .  I    WE M   .     .     .     .     .
      13200.  C     .     .     .     .  I    WE M   .     .     .     .     .
      13250.  C     .     .     .     .   I   W.E M  .     .     .     .     .
      13300.  C     .     .     .     .   I   W.E M  .     .     .     .     .
      13350.  C     .     .     .     .   I    WELM  .     .     .     .     .
      13400.  C     .     .     .     .   I    W EM  .     .     .     .     .
      13450.  C     .     .     .     .    I   W EL  .     .     .     .     .
      13500.  .     .     .     .C    .    I   W EL  .     .     .     .     .
11.20 13550.  .     .     .     .     .    I   W E L .     .     .     .     .
      13600.  C     .     .     .     .    I   W E L .     .     .     .     .
      13650.  C     .     .     .     .    I   W E L .     .     .     .     .
      13700.  C     .     .     .     .    I   .WE L .     .     .     .     .
      13750.  C     .     .     .     .    I   .WE L .     .     .     .     .
      13800.  C     .     .     .     .    I   .WE L .     .     .     .     .
      13850.  C     .     .     .     .    I   .W EL .     .     .     .     .
      13900.  C     .     .     .     .    I   .W EL .     .     .     .     .
      13950.  C     .     .     .     .    I   .W EL .     .     .     .     .
      14000.  C     .     .     .     .    I   .W ELR .     .     .     .     .
11.30 14050.  C     .     .     .     .    I   . WE L .     .     .     .     .
      14100.  C     .     .     .     .    I   . WE L .     .     .     .     .
      14150.  C     .     .     .     .    I   . WE L .     .     .     .     .
      14200.  C     .     .     .     .    I   . WE L .     .     .     .     .
      14250.  C     .     .     .     .     I  . WE L .     .     .     .     .
      14300.  C     .     .     .     .     I  . WE L .     .     .     .     .
      14350.  C     .     .     .     .     I  . WE L .     .     .     .     .
      14400.  C     .     .     .     .     I  . WE LR .     .     .     .     .
      14450.  C     .     .     .     .     I  . WE LR .     .     .     .     .
      14500.  C     .     .     .     .     I  . WE  L .     .     .     .     .
      14550.  C     .     .     .     .     I  . WE  L .     .     .     .     .
11.40 14600.  C     .     .     .     .     I  . WE  L .     .     .     .     .
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THIS RUN EXECUTED 01/01/80 00:55:07

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

KUNK CRK 100YR FLOOD Q=3

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
*	8.690	1379.18	.00	1600.00	6.34	13.61	5.75	18816.05	5423.79	820.00	1979.00	2118.00	2420.00
	8.750	1383.56	.00	1360.11	5.24	12.25	4.90	10979.90	3752.02	900.00	1800.00	2040.00	2290.00
*	8.890	1388.46	.00	1190.00	5.12	11.73	4.61	8845.12	2617.78	1280.00	1900.00	2240.00	2470.00
*	8.965	1391.10	.00	1195.00	4.97	11.82	5.71	6845.90	4336.71	1380.00	1955.00	2330.00	2575.00
	9.050	1393.97	.00	1150.00	4.97	9.27	4.21	13266.99	6430.05	1375.00	1905.00	2140.00	2525.00
*	9.090	1395.19	.00	1270.00	3.68	10.65	4.53	1599.41	55.95	1310.00	1720.00	2575.00	2580.00
*	9.100	1395.14	.00	1270.00	1.72	11.04	2.14	713.09	25.98	1310.00	1720.00	2575.00	2580.00
*	9.115	1395.50	.00	1270.00	1.54	10.72	2.20	460.57	27.43	1310.00	1630.00	2575.00	2580.00
	9.190	1396.17	.00	1270.00	2.05	9.05	1.89	1999.40	35.62	1310.00	1720.00	2575.00	2580.00
	9.200	1396.55	.00	1270.00	4.03	7.80	3.50	4558.13	72.74	1310.00	1720.00	2575.00	2580.00
	9.210	1398.12	.00	1158.19	3.53	8.05	.00	5388.27	.00	1380.00	1865.00	2540.00	2550.00
	9.310	1399.08	.00	1110.16	1.28	13.05	.00	157.99	.00	1280.00	1930.00	2403.00	2410.00
	9.400	1402.81	.00	1113.83	3.40	10.74	.00	2550.99	.00	1330.00	1940.00	2454.00	2460.00
*	9.480	1405.78	.00	871.61	4.04	12.66	5.01	1807.87	1867.59	1540.00	1945.00	2300.00	2470.00
	9.580	1409.42	.00	720.00	3.60	10.66	6.09	720.47	5316.61	1815.00	1910.00	2340.00	2535.00
*	9.670	1411.58	.00	590.89	5.08	17.24	10.84	1510.70	23318.67	1820.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	547.00	6.62	16.73	8.69	4147.03	11782.12	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	9.840	1418.71	.00	529.25	5.39	12.72	6.29	4668.08	4409.02	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	505.85	7.01	12.76	5.66	10190.87	3395.05	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	553.66	6.08	11.88	4.94	3275.19	3696.86	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	536.13	6.53	15.56	6.24	2729.78	3449.48	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	523.44	6.76	15.52	8.88	1599.68	12835.17	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	930.03	6.87	13.81	6.26	1381.29	11504.68	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1540.00	3.52	8.72	4.00	9772.08	6618.06	950.00	1870.00	2120.00	2490.00
*	10.490	1437.05	.00	1558.81	4.34	11.65	5.68	9898.78	2256.69	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1316.30	4.29	12.94	5.98	8586.21	2404.21	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	902.63	5.22	14.29	6.18	8806.02	3507.33	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1284.65	3.73	10.05	5.32	2425.69	20300.57	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1319.84	6.89	13.40	5.89	4531.61	17455.15	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1092.71	8.30	9.19	5.15	24784.55	9003.13	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	304.67	.00	16.10	.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	313.79	.00	12.47	.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	309.46	.00	13.98	.00	.00	.00	.00	1829.50	2171.50	.00

KUNK CRK 100YR FLOOD Q=3

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	8.690	1379.18	.00	1380.64	1600.00	18816.05	14760.16	5423.79	1600.00	820.00	1979.00	2118.00	2420.00
	8.750	1383.56	.00	1385.17	1360.11	10979.90	24268.08	3752.02	1390.00	900.00	1800.00	2040.00	2290.00
*	8.890	1388.46	.00	1390.09	1190.00	8845.12	27537.11	2617.78	1190.00	1280.00	1900.00	2240.00	2470.00
*	8.965	1391.10	.00	1392.77	1195.00	6845.90	27817.39	4336.71	1195.00	1380.00	1955.00	2330.00	2575.00
	9.050	1393.97	.00	1394.80	1150.00	13266.99	19302.96	6430.05	1150.00	1375.00	1905.00	2140.00	2525.00
*	9.090	1395.19	.00	1396.88	1270.00	1599.41	37344.63	55.95	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.100	1395.14	.00	1397.00	1270.00	713.09	38260.93	25.98	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.115	1395.50	.00	1397.26	1270.00	460.57	38512.00	27.43	1270.00	1310.00	1630.00	2575.00	2580.00
	9.190	1396.17	.00	1397.37	1270.00	1999.40	36964.99	35.62	1270.00	1310.00	1720.00	2575.00	2580.00
	9.200	1396.55	.00	1397.41	1270.00	4558.13	34369.13	72.74	1270.00	1310.00	1720.00	2575.00	2580.00
	9.210	1398.12	.00	1399.01	1158.19	5388.27	33611.73	.00	1170.00	1380.00	1865.00	2540.00	2550.00
	9.310	1399.08	.00	1401.71	1110.16	157.99	38842.00	.00	1130.00	1280.00	1930.00	2403.00	2410.00
	9.400	1402.81	.00	1404.50	1113.83	2550.99	36449.01	.00	1130.00	1330.00	1940.00	2454.00	2460.00
*	9.480	1405.78	.00	1408.07	871.61	1807.87	35324.55	1867.59	930.00	1540.00	1945.00	2300.00	2470.00
	9.580	1409.42	.00	1411.00	720.00	720.47	32962.92	5316.61	720.00	1815.00	1910.00	2340.00	2535.00
*	9.670	1411.58	.00	1414.36	590.89	1510.70	14170.64	23318.67	-1820.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1415.42	.00	1418.41	547.00	4147.03	23070.85	11782.12	.00	.00	1910.00	2035.00	.00
	9.840	1418.71	.00	1420.76	529.25	4668.08	29922.91	4409.02	.00	.00	1955.00	2160.00	.00
	9.940	1420.54	.00	1422.43	505.85	10190.87	25414.07	3395.05	.00	.00	1960.00	2120.00	.00
	10.040	1422.23	.00	1424.11	553.66	3275.19	32027.96	3696.86	.00	.00	1920.00	2160.00	.00
*	10.120	1423.24	.00	1426.51	536.13	2729.78	32820.73	3449.48	.00	.00	1900.00	2100.00	.00
	10.210	1426.65	.00	1429.44	523.44	1599.68	24565.15	12835.17	.00	.00	1880.00	2050.00	.00
*	10.300	1430.58	.00	1432.76	930.03	1381.29	26114.03	11504.68	.00	.00	1860.00	2080.00	.00
	10.400	1434.01	.00	1434.78	1540.00	9772.08	22609.86	6618.06	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1437.05	.00	1438.61	1558.81	9898.78	26844.52	2256.69	-720.00	720.00	1885.00	2185.00	2310.00
*	10.620	1440.43	.00	1442.40	1316.30	8586.21	28009.59	2404.21	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1443.58	.00	1445.90	902.63	8806.02	26686.65	3507.33	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1447.88	.00	1448.78	1284.65	2425.69	16273.74	20300.57	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1450.95	.00	1452.50	1319.84	4531.61	17013.25	17455.15	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1454.66	.00	1455.61	1092.71	24784.55	5212.32	9003.13	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1460.42	.00	1464.44	304.67	.00	39000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1463.21	.00	1465.62	313.79	.00	39000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1463.61	.00	1466.65	309.46	.00	39000.00	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=     8.690  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     8.890  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.890  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     8.965  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.965  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.090  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.090  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.100  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.100  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.480  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.480  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.670  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.670  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.750  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.120  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.120  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.300  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.300  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.490  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.490  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.490  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.620  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.620  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    10.700  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.700  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.700  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    10.930  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    10.930  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    10.930  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    11.200  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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500-YEAR FLOOD PROFILES

Proposed Conditions

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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF NOVEMBER 1976                        *
*  UPDATED MAY 1984                                *
*  IBM-PC-XT VERSION                               *
*  RUN DATE  01/01/80  TIME  01:19:50              *
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*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616          *
*  (916) 440-2105 (FTS) 448-2105    *
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                 X
X     X  X        X     X           X
X     X  XXXXXXX   XXXXX            XXXXXXX
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THIS RUN EXECUTED 01/01/80 01:19:52

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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T1     SKUNK CREEK FLOODPLAIN ANALYSIS
T2     ADOBE MT. SUBDIVISION
T3     SKUNK CRK 500YR FLOOD Q=80000 CFS POST DEVEL. COND. FULL/OPP. ENCRH.

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.       3.        0.        0.   .000000       .00       .0        0.  1377.800      .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    -1.000     .000      .000      .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000    1.000    52.000    4.000    55.000    26.000    56.000    13.000    15.000    27.000

    21.000   22.000    28.000     .000   110.000      .000   200.000      .000      .000      .000

NC      .045      .045      .035      .100      .300      .000      .000      .000      .000      .000
QT     2.000 80000.000 80000.000      .000      .000      .000      .000      .000      .000      .000
ET     8.690      .000     6.100      .000      .000   820.000  2420.000      .000      .000      .000
X1     8.690    19.000  1979.000  2118.000      .000      .000      .000      .000      .000      .000
GR  1380.000   452.000  1378.000   815.000  1378.000   877.000  1378.000   990.000  1378.000  1448.000
GR  1376.000  1481.000  1372.000  1542.000  1374.000  1675.000  1376.000  1727.000  1376.000  1979.000
GR  1369.800  2000.000  1370.000  2038.000  1372.000  2100.000  1376.000  2118.000  1376.200  2181.000
GR  1376.000  2278.000  1376.000  3560.000  1378.000  3560.000  1380.000  3890.000      .000      .000

ET     8.750      .000     6.100      .000      .000   900.000  2290.000      .000      .000      .000
X1     8.750    26.000  1800.000  2040.000   835.000   733.000   739.000      .000      .000      .000
GR  1390.000   170.000  1388.000   235.000  1386.000   420.000  1384.000   510.000  1383.000   820.000
GR  1382.000  1190.000  1382.000  1435.000  1384.000  1470.000  1384.000  1490.000  1382.000  1500.000
GR  1380.000  1560.000  1378.000  1573.000  1378.000  1600.000  1380.000  1625.000  1378.000  1740.000
GR  1378.000  1790.000  1376.000  1800.000  1376.000  1958.000  1372.000  1975.000  1371.000  2000.000
GR  1380.000  2040.000  1381.000  2290.000  1382.000  2650.000  1382.000  3790.000  1384.000  4050.000
GR  1386.000  4190.000      .000      .000      .000      .000      .000      .000      .000      .000

ET     8.890     4.100     6.100  1280.000  3730.000  1280.000  2470.000      .000      .000      .000
X1     8.890    21.000  1900.000  2240.000   565.000   650.000   840.000      .000      .000      .000
GR  1392.000   675.000  1386.000   780.000  1386.000  1765.000  1384.000  1775.000  1384.000  1805.000
GR  1386.000  1815.000  1384.000  1865.000  1384.000  1900.000  1382.000  1950.000  1382.000  1970.000
GR  1378.000  2000.000  1380.000  2030.000  1382.000  2090.000  1382.000  2230.000  1384.000  2240.000
GR  1386.000  2260.000  1387.000  3440.000  1386.500  3770.000  1387.000  4080.000  1388.000  4230.000
GR  1390.000  4440.000      .000      .000      .000      .000      .000      .000      .000      .000
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ET	8.965	4.100	6.100	1380.000	3575.000	1380.000	2575.000	.000	.000	.000
X1	8.965	17.000	1955.000	2330.000	275.000	410.000	400.000	.000	.000	.000
GR	1392.000	780.000	1390.000	830.000	1388.000	880.000	1388.000	1580.000	1390.000	1915.000
GR	1390.000	1945.000	1388.000	1955.000	1386.000	1975.000	1381.000	2000.000	1382.000	2025.000
GR	1384.000	2105.000	1386.000	2240.000	1388.000	2330.000	1388.000	2560.000	1390.000	2920.000
GR	1390.000	4120.000	1392.000	4570.000	.000	.000	.000	.000	.000	.000
ET	9.050	4.100	6.100	1375.000	3415.000	1375.000	2525.000	.000	.000	.000
X1	9.050	21.000	1905.000	2140.000	410.000	370.000	550.000	.000	.000	.000
GR	1398.000	700.000	1396.000	720.000	1394.000	780.000	1392.000	840.000	1390.000	1250.000
GR	1389.000	1645.000	1388.000	1905.000	1386.000	1910.000	1386.000	1925.000	1388.000	1935.000
GR	1386.000	1940.000	1384.000	1970.000	1382.000	2000.000	1382.000	2040.000	1384.000	2050.000
GR	1386.000	2095.000	1388.000	2100.000	1390.000	2140.000	1390.000	2950.000	1392.000	4220.000
GR	1394.000	4570.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.090	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.090	22.000	1720.000	2575.000	328.000	278.000	348.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.100	1530.000
GR	1394.000	1580.000	1393.500	1670.000	1393.000	1720.000	1392.200	1787.000	1391.200	1855.000
GR	1390.200	1935.000	1389.700	2015.000	1389.600	2055.000	1389.800	2135.000	1390.800	2235.000
GR	1392.700	2575.000	1393.000	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
GR	1394.200	3692.000	1394.000	4025.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000
ET	9.100	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.100	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
ET	9.115	4.100	6.100	1310.000	3465.000	1310.000	2580.000	.000	.000	.000
X1	9.115	20.000	1630.000	2575.000	22.000	22.000	22.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.900	1310.000	1394.500	1530.000
GR	1394.000	1630.000	1393.000	1748.000	1392.000	1820.000	1391.000	1888.000	1390.000	1995.000
GR	1389.900	2055.000	1391.000	2230.000	1392.000	2315.000	1393.000	2575.000	1393.000	2624.000
GR	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000	1394.200	3692.000	1394.000	4175.000
ET	9.190	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.190	20.000	1720.000	2575.000	37.000	37.000	37.000	.000	.000	.000
GR	1400.000	110.000	1398.000	385.000	1396.000	660.000	1394.800	1200.000	1393.800	1530.000
GR	1393.400	1640.000	1392.800	1720.000	1392.000	1805.000	1391.000	1895.000	1390.400	1975.000
GR	1390.200	2055.000	1390.400	2155.000	1391.700	2315.000	1392.200	2415.000	1392.400	2495.000
GR	1392.400	2575.000	1392.300	2624.000	1393.000	2700.000	1394.000	2800.000	1394.200	2977.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.200	4.100	6.100	1310.000	3545.000	1310.000	2580.000	.000	.000	.000
X1	9.200	.000	1720.000	2575.000	1.000	1.000	1.000	.000	.000	.000
NH	5.000	.045	1865.000	.035	1920.000	.030	2514.000	.016	2540.000	.040
NH	4000.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.210	4.100	6.100	1380.000	2950.000	1380.000	2550.000	.000	.000	.000
X1	9.210	32.000	1865.000	2540.000	422.000	462.000	562.000	.000	.000	.000
GR	1402.000	140.000	1402.000	300.000	1400.000	350.000	1398.000	510.000	1396.000	565.000
GR	1394.000	650.000	1394.000	670.000	1396.000	695.000	1396.000	720.000	1394.000	760.000
GR	1394.000	880.000	1396.000	1050.000	1396.000	1130.000	1394.000	1145.000	1394.000	1225.000
GR	1396.000	1290.000	1396.000	1510.000	1394.000	1720.000	1394.000	1735.000	1394.000	1765.000

GR	1394.000	1865.000	1393.000	1920.000	1392.000	1942.000	1391.000	2040.000	1390.600	2110.000
GR	1391.000	2190.000	1392.000	2362.000	1393.000	2514.000	1398.500	2540.000	1398.000	2580.000
GR	1398.500	2950.000	1398.500	4000.000	.000	.000	.000	.000	.000	.000
NH	5.000	.045	1930.000	.035	2037.000	.030	2348.000	.016	2388.000	.045
NH	3200.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	9.310	4.100	6.100	1280.000	2560.000	1280.000	2410.000	.000	.000	.000
X1	9.310	27.000	1930.000	2403.000	400.000	480.000	650.000	.000	.000	.000
GR	1406.000	20.000	1404.000	90.000	1402.000	310.000	1400.000	410.000	1398.000	425.000
GR	1398.000	820.000	1396.000	900.000	1398.000	940.000	1398.000	1130.000	1398.000	1225.000
GR	1398.000	1250.000	1399.000	1300.000	1398.000	1330.000	1399.000	1350.000	1399.000	1845.000
GR	1398.000	1930.000	1395.000	1940.000	1393.000	1950.000	1392.000	2037.000	1391.500	2080.000
GR	1392.000	2220.000	1393.000	2348.000	1398.000	2388.000	1400.000	2392.000	1401.000	2403.000
GR	1402.000	2410.000	1402.700	3200.000	.000	.000	.000	.000	.000	.000
NC	.040	.040	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.400	4.100	6.100	1330.000	2500.000	1330.000	2460.000	.000	.000	.000
X1	9.400	34.000	1940.000	2454.000	370.000	420.000	510.000	.000	.000	.000
GR	1410.000	110.000	1408.000	140.000	1406.000	180.000	1404.000	330.000	1402.000	510.000
GR	1400.000	635.000	1400.000	965.000	1400.000	995.000	1400.000	1030.000	1400.000	1150.000
GR	1402.000	1250.000	1402.000	1550.000	1400.000	1620.000	1400.000	1650.000	1402.000	1770.000
GR	1402.000	1940.000	1400.000	1975.000	1396.000	1990.000	1394.400	2000.000	1396.000	2040.000
GR	1396.000	2085.000	1394.000	2100.000	1394.000	2180.000	1400.000	2200.000	1402.000	2225.000
GR	1400.000	2235.000	1395.000	2260.000	1394.000	2270.000	1393.600	2310.000	1394.000	2348.000
GR	1395.000	2410.000	1402.000	2440.000	1405.000	2454.000	1405.500	2600.000	.000	.000
NH	4.000	.045	1945.000	.035	2040.000	.050	2600.000	.040	4130.000	.000
ET	9.480	4.100	6.100	1170.000	2470.000	1540.000	2470.000	.000	.000	.000
X1	9.480	41.000	1945.000	2300.000	370.000	420.000	490.000	.000	.000	.000
GR	1412.000	330.000	1410.000	350.000	1410.000	440.000	1411.700	500.000	1410.000	560.000
GR	1410.000	640.000	1408.000	665.000	1406.000	690.000	1404.000	720.000	1402.000	770.000
GR	1402.000	800.000	1402.000	830.000	1402.000	860.000	1402.000	970.000	1404.000	1200.000
GR	1404.000	1400.000	1404.000	1640.000	1406.000	1715.000	1406.000	1725.000	1406.000	1750.000
GR	1404.000	1890.000	1404.000	1930.000	1404.000	1945.000	1398.000	1970.000	1396.500	2000.000
GR	1398.000	2040.000	1398.000	2190.000	1396.000	2255.000	1398.000	2280.000	1402.000	2300.000
GR	1404.000	2370.000	1404.000	2600.000	1403.000	2750.000	1404.000	2850.000	1406.000	2870.000
GR	1408.000	2920.000	1409.000	3020.000	1408.000	3100.000	1406.500	3290.000	1408.000	3450.000
GR	1410.000	4130.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.000	.000	.000	.000	.000	.000	.000
ET	9.580	4.100	6.100	1600.000	2535.000	1815.000	2535.000	.000	.000	.000
X1	9.580	29.000	1910.000	2340.000	390.000	460.000	450.000	.000	.000	.000
GR	1412.000	625.000	1410.000	645.000	1408.000	675.000	1406.000	870.000	1404.000	1000.000
GR	1406.000	1040.000	1406.000	1080.000	1404.000	1110.000	1404.000	1280.000	1406.000	1520.000
GR	1407.500	1910.000	1406.000	1965.000	1402.000	1990.000	1398.500	2000.000	1400.000	2060.000
GR	1402.000	2160.000	1400.000	2240.000	1404.000	2290.000	1406.000	2340.000	1406.000	2410.000
GR	1404.000	2430.000	1404.000	2500.000	1406.000	2550.000	1406.000	2720.000	1407.000	2880.000
GR	1406.000	3025.000	1406.000	3095.000	1408.000	3255.000	1410.000	3400.000	.000	.000

ET	9.670	4.100	6.100	1770.000	.000	1820.000	.000	.000	.000	.000
X1	9.670	24.000	1970.000	2060.000	470.000	420.000	410.000	.000	.000	.000
GR	1414.000	530.000	1412.000	540.000	1410.000	810.000	1408.000	945.000	1406.000	970.000
GR	1408.000	1010.000	1407.000	1055.000	1408.000	1130.000	1408.000	1480.000	1410.000	1840.000
GR	1410.000	1910.000	1408.000	1970.000	1400.000	2000.000	1402.000	2050.000	1408.000	2060.000
GR	1408.000	2085.000	1404.000	2110.000	1404.000	2250.000	1406.000	2270.000	1406.000	2350.000
GR	1405.000	2370.000	1406.000	2385.000	1420.000	2450.000	1426.000	2480.000	.000	.000
X1	9.750	21.000	1910.000	2035.000	390.000	410.000	370.000	.000	.000	.000
GR	1424.000	1710.000	1416.000	1740.000	1414.000	1750.000	1412.000	1760.000	1410.000	1790.000
GR	1410.000	1800.000	1412.000	1815.000	1412.000	1890.000	1410.000	1910.000	1404.000	1935.000
GR	1402.000	1990.000	1401.700	2000.000	1402.000	2005.000	1410.000	2035.000	1408.000	2040.000
GR	1407.000	2070.000	1408.000	2090.000	1410.000	2175.000	1412.000	2200.000	1412.000	2270.000
GR	1424.000	2340.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	9.840	12.000	1955.000	2160.000	500.000	490.000	480.000	.000	.000	.000
GR	1430.000	1720.000	1414.000	1780.000	1414.000	1955.000	1404.000	1985.000	1403.000	2000.000
GR	1406.000	2020.000	1408.000	2115.000	1410.000	2160.000	1412.000	2180.000	1414.000	2260.000
GR	1416.000	2280.000	1430.000	2340.000	.000	.000	.000	.000	.000	.000
X1	9.940	16.000	1960.000	2120.000	430.000	470.000	520.000	.000	.000	.000
GR	1430.000	1715.000	1416.000	1770.000	1414.000	1800.000	1412.000	1940.000	1410.000	1960.000
GR	1408.000	1975.000	1406.000	2000.000	1406.000	2025.000	1408.000	2065.000	1410.000	2090.000
GR	1412.000	2120.000	1414.000	2155.000	1416.000	2175.000	1418.000	2225.000	1420.000	2255.000
GR	1430.000	2310.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.040	17.000	1920.000	2160.000	540.000	540.000	540.000	.000	.000	.000
GR	1428.000	1795.000	1418.000	1840.000	1416.000	1880.000	1414.000	1920.000	1412.000	1950.000
GR	1410.000	1970.000	1409.000	2000.000	1410.000	2070.000	1412.000	2115.000	1414.000	2160.000
GR	1416.000	2180.000	1418.000	2230.000	1420.000	2315.000	1422.000	2370.000	1424.000	2410.000
GR	1426.000	2420.000	1430.000	2445.000	.000	.000	.000	.000	.000	.000
X1	10.120	16.000	1900.000	2100.000	450.000	420.000	380.000	.000	.000	.000
GR	1430.000	1720.000	1422.000	1760.000	1422.000	1820.000	1420.000	1860.000	1414.000	1900.000
GR	1412.000	1915.000	1411.500	2000.000	1412.000	2035.000	1414.000	2055.000	1416.000	2100.000
GR	1418.000	2135.000	1420.000	2165.000	1422.000	2180.000	1421.000	2260.000	1424.000	2300.000
GR	1430.000	2330.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.210	18.000	1880.000	2050.000	490.000	475.000	450.000	.000	.000	.000
GR	1436.000	1755.000	1426.000	1810.000	1424.000	1840.000	1420.000	1880.000	1418.000	1930.000
GR	1416.000	1970.000	1415.500	2000.000	1416.000	2020.000	1418.000	2030.000	1418.000	2050.000
GR	1418.000	2065.000	1420.000	2085.000	1420.000	2100.000	1420.000	2150.000	1422.000	2240.000
GR	1424.000	2250.000	1424.000	2310.000	1436.000	2400.000	.000	.000	.000	.000
NC	.000	.050	.040	.000	.000	.000	.000	.000	.000	.000
X1	10.300	20.000	1860.000	2080.000	460.000	450.000	440.000	.000	.000	.000
GR	1438.000	1750.000	1430.000	1790.000	1428.000	1830.000	1426.000	1845.000	1424.000	1860.000
GR	1422.000	1930.000	1420.800	2000.000	1422.000	2070.000	1424.000	2080.000	1425.000	2100.000
GR	1424.000	2151.000	1428.000	2210.000	1428.000	2350.000	1428.000	2380.000	1430.000	2475.000
GR	1430.000	2530.000	1428.000	2620.000	1426.000	2650.000	1426.000	2700.000	1438.000	2745.000

X1	10.400	29.000	1870.000	2120.000	480.000	470.000	460.000	.000	.000	.000
X3	.000	.000	.000	950.000	.000	2490.000	.000	.000	.000	.000
GR	1436.000	655.000	1434.000	730.000	1432.000	1090.000	1431.000	1210.000	1430.000	1310.000
GR	1430.000	1320.000	1431.000	1560.000	1430.000	1730.000	1432.000	1820.000	1430.000	1870.000
GR	1424.000	1895.000	1422.000	1940.000	1422.000	2000.000	1424.000	2080.000	1428.000	2120.000
GR	1430.000	2250.000	1430.000	2280.000	1430.000	2370.000	1428.000	2380.000	1428.000	2390.000
GR	1430.000	2400.000	1430.000	2480.000	1430.000	2505.000	1432.000	2515.000	1434.000	2525.000
GR	1434.000	2550.000	1432.000	2580.000	1434.000	2610.000	1440.000	2665.000	.000	.000
X1	10.490	17.000	1885.000	2185.000	420.000	450.000	470.000	.000	.000	.000
X3	.000	.000	.000	720.000	.000	.000	.000	.000	.000	.000
GR	1440.000	560.000	1438.000	680.000	1436.000	815.000	1434.000	1220.000	1434.000	1230.000
GR	1436.000	1805.000	1434.000	1850.000	1434.000	1885.000	1430.000	1935.000	1428.000	1970.000
GR	1426.500	2000.000	1428.000	2020.000	1430.000	2160.000	1432.000	2185.000	1434.000	2265.000
GR	1436.000	2300.000	1440.000	2310.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.035	.000	.000	.000	.000	.000	.000	.000
X1	10.620	23.000	1795.000	2020.000	605.000	600.000	590.000	.000	.000	.000
X3	.000	.000	.000	655.000	.000	.000	.000	.000	.000	.000
GR	1444.000	310.000	1442.000	340.000	1440.000	500.000	1440.000	905.000	1442.000	1010.000
GR	1442.000	1040.000	1440.000	1070.000	1438.000	1110.000	1438.000	1180.000	1438.000	1280.000
GR	1438.000	1600.000	1438.000	1635.000	1438.000	1710.000	1438.000	1735.000	1436.000	1760.000
GR	1432.000	1795.000	1430.000	1980.000	1429.200	2000.000	1430.000	2010.000	1432.000	2020.000
GR	1438.000	2090.000	1440.000	2105.000	1444.000	2125.000	.000	.000	.000	.000
X1	10.700	34.000	1915.000	2100.000	405.000	390.000	380.000	.000	.000	.000
X3	.000	.000	.000	800.000	.000	.000	.000	.000	.000	.000
GR	1450.000	295.000	1448.000	410.000	1446.000	450.000	1446.000	590.000	1447.000	645.000
GR	1446.000	680.000	1447.000	920.000	1446.000	1145.000	1444.000	1210.000	1444.000	1315.000
GR	1442.000	1340.000	1441.000	1440.000	1440.000	1615.000	1440.000	1645.000	1442.000	1690.000
GR	1442.000	1760.000	1440.000	1855.000	1438.000	1880.000	1436.000	1915.000	1434.000	1930.000
GR	1432.500	2000.000	1434.000	2090.000	1436.000	2100.000	1438.000	2115.000	1436.000	2125.000
GR	1436.000	2130.000	1438.000	2140.000	1440.000	2155.000	1442.000	2160.000	1450.000	2180.000
GR	1436.000	2180.000	1440.000	2190.000	1440.000	2230.000	1450.000	2255.000	.000	.000
X1	10.830	37.000	1830.000	2030.000	645.000	650.000	650.000	.000	.000	.000
X3	.000	.000	.000	1080.000	.000	.000	.000	.000	.000	.000
GR	1452.000	565.000	1450.000	635.000	1449.000	800.000	1450.000	970.000	1450.000	1015.000
GR	1449.000	1150.000	1448.000	1230.000	1448.000	1330.000	1449.500	1450.000	1448.000	1550.000
GR	1446.000	1630.000	1444.000	1685.000	1446.000	1730.000	1444.000	1830.000	1442.000	1840.000
GR	1442.000	1890.000	1440.000	1910.000	1438.000	1965.000	1436.000	2000.000	1438.000	2015.000
GR	1444.000	2030.000	1445.000	2160.000	1444.000	2410.000	1442.000	2420.000	1438.000	2440.000
GR	1438.000	2450.000	1442.000	2470.000	1443.000	2565.000	1442.000	2600.000	1442.000	2630.000
GR	1442.000	2730.000	1438.000	2760.000	1438.000	2770.000	1444.000	2795.000	1446.000	2820.000
GR	1448.000	2840.000	1452.000	2875.000	.000	.000	.000	.000	.000	.000
X1	10.930	38.000	1910.000	2085.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1360.000	.000	2965.000	.000	.000	.000	.000
GR	1456.000	570.000	1454.000	645.000	1452.500	810.000	1453.000	1040.000	1452.000	1515.000
GR	1451.000	1640.000	1450.000	1750.000	1448.000	1805.000	1448.000	1815.000	1444.000	1860.000
GR	1448.000	1910.000	1444.000	1930.000	1442.000	1970.000	1441.000	2000.000	1442.000	2015.000
GR	1444.000	2025.000	1444.000	2050.000	1448.000	2085.000	1448.000	2160.000	1446.000	2180.000
GR	1448.000	2190.000	1448.000	2220.000	1446.000	2225.000	1446.000	2360.000	1446.000	2380.000

GR	1447.000	2435.000	1447.000	2500.000	1448.000	2610.000	1448.500	2720.000	1449.000	3160.000
GR	1448.000	3225.000	1448.000	3270.000	1442.000	3290.000	1448.000	3305.000	1448.500	3510.000
GR	1450.000	3660.000	1452.000	3825.000	1454.000	3980.000	.000	.000	.000	.000
X1	11.040	35.000	1955.000	2065.000	500.000	500.000	500.000	.000	.000	.000
X3	.000	.000	.000	1440.000	.000	2540.000	.000	.000	.000	.000
GR	1462.000	170.000	1460.000	400.000	1458.000	710.000	1458.000	800.000	1458.000	980.000
GR	1456.000	1300.000	1456.000	1440.000	1444.000	1505.000	1444.000	1550.000	1446.000	1570.000
GR	1448.000	1610.000	1448.000	1650.000	1448.000	1680.000	1450.000	1740.000	1451.000	1850.000
GR	1450.000	1955.000	1449.000	2000.000	1450.000	2065.000	1451.000	2240.000	1451.500	2540.000
GR	1451.500	2700.000	1451.000	2880.000	1451.500	3040.000	1450.000	3120.000	1450.000	3160.000
GR	1450.500	3220.000	1450.000	3290.000	1446.000	3300.000	1452.000	3330.000	1452.000	3350.000
GR	1452.000	3480.000	1454.000	3740.000	1456.000	3800.000	1460.000	3840.000	1462.000	3850.000
NC	.000	.000	.020	.000	.000	.000	.000	.000	.000	.000
X1	11.200	4.000	1834.500	2165.500	680.000	755.000	770.000	.000	.000	.000
GR	1467.000	1834.500	1452.000	1864.500	1452.000	2135.500	1467.000	2165.500	.000	.000
X1	11.300	4.000	1831.500	2169.500	528.000	528.000	528.000	.000	.000	.000
GR	1469.000	1831.500	1452.500	1864.500	1452.500	2135.500	1469.500	2169.500	.000	.000
X1	11.400	4.000	1829.500	2171.500	528.000	528.000	528.000	.000	.000	.000
GR	1471.500	1829.500	1454.000	1864.500	1454.000	2135.500	1472.000	2171.500	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*PROF 1

CCHV=    .100 CEHV=    .300
*SECNO 8.690
3280 CROSS SECTION      8.69 EXTENDED       .90 FEET

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     820.0    2420.0  TYPE=     1  TARGET=    1600.000
     8.69    11.10  1380.90  1380.90      .00  1383.17     2.27      .00       .00  1376.00
   80000.   43873.   23371.   12756.    4964.    1324.    1464.       0.        0.   1376.00
      .00     8.84    17.65     8.71     .045     .035     .045     .000   1369.80   820.00
  .008671      0.       0.       0.        0       13        0      .00   1600.00  2420.00

*SECNO 8.750
3280 CROSS SECTION      8.75 EXTENDED       .21 FEET

3470 ENCROACHMENT STATIONS=     900.0    2290.0  TYPE=     1  TARGET=    1390.000
     8.75    15.22  1386.22      .00      .00  1388.18     1.96     4.98       .03  1376.00
   80000.   31724.   37924.   10352.    4467.    2617.    1427.     148.       28.   1380.00
      .02     7.10    14.49     7.25     .045     .035     .045     .000   1371.00   900.00
  .004859     835.     739.     733.        2        0        0      .00   1390.00  2290.00

*SECNO 8.890
3280 CROSS SECTION      8.89 EXTENDED       .69 FEET

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2470.0  TYPE=     1  TARGET=    1190.000
     8.89    12.69  1390.69  1390.69      .00  1393.19     2.51     4.09       .16  1384.00
   80000.   24738.   47152.    8110.    3107.    3104.    1080.     271.       47.   1384.00
      .04     7.96    15.19     7.51     .045     .035     .045     .000   1378.00  1280.00
  .006724     565.     840.     650.        3       10        0      .00   1190.00  2470.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 8.965
3280 CROSS SECTION      8.97 EXTENDED      1.23 FEET

3470 ENCROACHMENT STATIONS=    1380.0    2575.0  TYPE=     1  TARGET=    1195.000
     8.97    12.23  1393.23      .00      .00  1395.85    2.62     2.62      .03  1388.00
   80000.   20605.   48360.   11035.    2603.    3152.   1281.     329.      56.   1388.00
      .05     7.92    15.34     8.61     .045     .035    .045     .000  1381.00  1380.00
  .007660     275.     400.     410.        2        0       0      .00  1195.00  2575.00

*SECNO 9.050
3280 CROSS SECTION      9.05 EXTENDED      2.79 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1375.0    2525.0  TYPE=     1  TARGET=    1150.000
     9.05    14.79  1396.79      .00      .00  1398.16    1.37     2.19      .12  1388.00
   80000.   29949.   33099.   16952.    4165.    2745.   2613.     415.      68.   1390.00
      .06     7.19    12.06     6.49     .045     .035    .045     .000  1382.00  1375.00
  .003073     410.     550.     370.        2        0       0      .00  1150.00  2525.00

*SECNO 9.090
3280 CROSS SECTION      9.09 EXTENDED      3.70 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.09     8.10  1397.70      .00      .00  1399.89    2.20     1.49      .25  1393.00
   80000.    9449.   70425.     126.    1463.    5652.     25.     478.      77.   1392.70
      .07     6.46    12.46     5.07     .045     .035    .045     .000  1389.60  1310.00
  .006940     328.     348.     278.        3        0       0      .00  1270.00  2580.00

*SECNO 9.100
3280 CROSS SECTION      9.10 EXTENDED      3.44 FEET
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.10      7.84  1397.44  1397.44       .00  1400.29     2.85       .00       .19  1393.00
   80000.    4378.   75560.     62.     1358.    5432.      24.      478.       77.  1392.70
      .07      3.22    13.91    2.61      .045     .016     .045      .000  1389.60  1310.00
  .001906       1.       1.      1.        20        8        0       .00  1270.00  2580.00

*SECNO 9.115
3280 CROSS SECTION      9.11 EXTENDED      3.62 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.11      7.72  1397.62  1397.62       .00  1400.44     2.81       .04       .00  1394.00
   80000.    3073.   76865.     62.      981.    5604.      23.      481.       77.  1393.00
      .07      3.13    13.72    2.67      .045     .016     .045      .000  1389.90  1310.00
  .002032      22.      22.     22.        20        5        0       .00  1270.00  2580.00

*SECNO 9.190
3280 CROSS SECTION      9.19 EXTENDED      4.13 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.19      8.14  1398.34  1397.62       .00  1400.56     2.22       .06       .06  1392.80
   80000.    6195.   73734.     70.     1863.    5936.      30.      487.       79.  1392.40
      .07      3.33    12.42    2.36      .045     .016     .045      .000  1390.20  1310.00
  .001350      37.      37.     37.        15        8        0       .00  1270.00  2580.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 9.200
3280 CROSS SECTION      9.20 EXTENDED      5.12 FEET


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1310.0    2580.0  TYPE=     1  TARGET=    1270.000
     9.20      9.12  1399.32      .00       .00  1400.65    1.33      .00       .09  1392.80
   80000.    13523.   66342.     135.     2269.    6783.     35.     488.       79.  1392.40
      .07      5.96     9.78     3.89      .045     .035    .045     .000  1390.20  1310.00
  .003353        1.       1.       1.         4        0       0      .00  1270.00  2580.00


1490 NH CARD USED
*SECNO 9.210
3280 CROSS SECTION      9.21 EXTENDED      2.23 FEET


3470 ENCROACHMENT STATIONS=    1380.0    2550.0  TYPE=     1  TARGET=    1170.000
     9.21     10.13  1400.73      .00       .00  1402.31    1.58     1.58       .08  1394.00
   80000.    15211.   64724.      66.     2793.    5939.     23.     595.       93.  1398.50
      .08      5.45    10.90     2.86      .045     .030    .040     .000  1390.60  1380.00
  .002609      422.     562.      462.         2        0       0      .00  1170.00  2550.00


1490 NH CARD USED
*SECNO 9.310

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1280.0    2410.0  TYPE=     1  TARGET=    1130.000
     9.31     10.89  1402.39  1402.39       .00  1405.50    3.11     2.02       .46  1398.00
   80000.    11415.   68573.      12.     2273.    4525.      6.     696.      107.  1401.00
      .10      5.02    15.15     1.93      .045     .029    .045     .000  1391.50  1280.00
  .004370      400.     650.      480.        20        8       0      .00  1130.00  2410.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 9.400
3280 CROSS SECTION      9.40 EXTENDED       .00 FEET

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1330.0    2460.0  TYPE=     1  TARGET=    1130.000
     9.40     11.90  1405.50      .00       .00  1407.89     2.38      2.31       .07  1402.00
   80000.    16007.   63988.       5.      2385.    4760.       3.       770.      118.   1405.00
      .11      6.71    13.44     1.58      .040     .035      .040      .000  1393.60  1330.00
  .005203     370.     510.     420.         4        0         0       .00  1130.00  2460.00

1490 NH CARD USED
*SECNO 9.480

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1540.0    2470.0  TYPE=     1  TARGET=     930.000
     9.48     12.58  1408.58  1408.58      .00  1411.77     3.19      3.25       .24  1404.00
   80000.    12795.   59944.    7261.     1571.    3784.     849.      839.      128.   1402.00
      .12      8.14    15.84     8.55      .045     .045      .050      .000  1396.00  1540.00
  .009891     370.     490.     420.         3        8         0       .00   930.00  2470.00

*SECNO 9.580
3280 CROSS SECTION      9.58 EXTENDED      2.09 FEET

3470 ENCROACHMENT STATIONS=    1815.0    2535.0  TYPE=     1  TARGET=     720.000
     9.58     13.59  1412.09      .00       .00  1415.15     3.06      3.36       .01  1407.50
   80000.     3171.   63823.  13007.      454.    4241.    1394.      902.      136.   1406.00
      .13      6.99    15.05     9.33      .045     .035      .045      .000  1398.50  1815.00
  .005961     390.     450.     460.         3        0         0       .00   720.00  2535.00

*SECNO 9.670
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1820.0    2480.0  TYPE=     1  TARGET=   -1820.000
     9.67     14.98  1414.98  1414.98       .00  1419.18     4.19      3.05       .34  1408.00
   80000.     7750.   24227.   48023.      809.    1129.    3375.      957.      143.   1408.00
      .13      9.58    21.47    14.23      .045      .035     .045      .000  1400.00  1820.00
  .009133      470.     410.     420.         4         8        0       .00   606.71  2426.71


*SECNO 9.750
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     9.75     17.35  1419.05  1419.05       .00  1423.49     4.44      3.13       .08  1410.00
   80000.    13186.   38798.   28017.     1261.    1834.    2322.     1005.      148.   1410.00
      .14     10.46    21.16    12.07      .045      .035     .045      .000  1401.70  1728.56
  .007050      390.     370.     410.         4        11        0       .00   582.57  2311.13


*SECNO 9.840

3301 HV CHANGED MORE THAN HVINS

     9.84     19.84  1422.84      .00       .00  1426.14     3.31      2.54       .11  1414.00
   80000.    14656.   53451.   11893.     1694.    3200.    1281.     1070.      155.   1410.00
      .15      8.65    16.70     9.28      .045      .035     .045      .000  1403.00  1746.84
  .004017      500.     480.     490.         2         0        0       .00   562.48  2309.32


*SECNO 9.940
     9.94     18.96  1424.96      .00       .00  1428.03     3.07      1.86       .02  1410.00
   80000.    24135.   45149.   10717.     2413.    2701.    1264.     1139.      161.   1412.00
      .16     10.00    16.72     8.48      .045      .035     .045      .000  1406.00  1734.75
  .003593      430.     520.     470.         2         0        0       .00   547.60  2282.35


*SECNO 10.040
    10.04     18.21  1427.21      .00       .00  1429.81     2.59      1.73       .05  1414.00
   80000.     8899.   56648.   14452.     1088.    3891.    1990.     1222.      168.   1414.00
      .17      8.18    14.56     7.26      .045      .035     .045      .000  1409.00  1798.53
  .002868      540.     540.     540.         2         0        0       .00   629.06  2427.59
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 10.120

3301 HV CHANGED MORE THAN HVINS

    10.12     15.96   1427.46   1427.34       .00   1431.91      4.45      1.55       .56   1414.00
   80000.    10052.    56713.    13235.     1080.     2953.     1423.     1280.      174.   1416.00
      .18      9.31     19.20      9.30      .045      .035      .045      .000   1411.50   1732.67
  .005658      450.      380.      420.         6        15         0       .00    584.65   2317.33

*SECNO 10.210
    10.21     15.23   1430.73       .00       .00   1434.72      3.99      2.76       .05   1420.00
   80000.     5620.    43430.    30950.      583.     2277.     2650.     1338.      180.   1418.00
      .19      9.64     19.07     11.68      .045      .035      .045      .000   1415.50   1783.98
  .006360      490.      450.      475.         4         0         0       .00    576.51   2360.49

*SECNO 10.300

3301 HV CHANGED MORE THAN HVINS

    10.30     14.60   1435.40       .00       .00   1437.14      1.74      2.19       .23   1424.00
   80000.     4711.    38753.    36536.      611.     2952.     4955.     1410.      188.   1424.00
      .20      7.71     13.13      7.37      .045      .040      .050      .000   1420.80   1763.00
  .003921      460.      440.      450.         4         0         0       .00    972.25   2735.25

*SECNO 10.400

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      950.0    2490.0  TYPE=     1  TARGET=    1540.000
    10.40     15.66   1437.66       .00       .00   1438.47       .81      1.24       .09   1430.00
   80000.    31436.    32930.    15634.     6138.     3505.     3004.     1524.      201.   1428.00
      .22      5.12      9.40      5.20      .045      .040      .050      .000   1422.00    950.00
  .001902      480.      460.      470.         2         0         0       .00   1540.00   2490.00

*SECNO 10.490

3301 HV CHANGED MORE THAN HVINS
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     720.0    2310.0  TYPE=     1  TARGET=    -720.000
    10.49    12.58  1439.08  1439.08      .00  1441.15     2.07     1.49      .38  1434.00
   80000.   33035.   41904.    5061.    4631.    2910.     641.    1630.     217.   1432.00
      .23     7.13    14.40     7.90     .045     .040     .050     .000  1426.50   720.00
  .007273     420.     470.     450.       20       14        0      .00  1587.69  2307.69

*SECNO 10.620
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     655.0    2125.0  TYPE=     1  TARGET=    -655.000
    10.62    13.72  1442.92  1442.92      .00  1445.46     2.55     3.65      .14  1432.00
   80000.   30965.   43957.    5079.    4704.    2723.     634.    1742.     238.   1432.00
      .24     6.58    16.14     8.01     .045     .035     .050     .000  1429.20   655.00
  .005209     605.     590.     600.        3        8        0      .00  1464.58  2119.58

*SECNO 10.700

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     800.0    2255.0  TYPE=     1  TARGET=    -800.000
    10.70    14.18  1446.68  1446.68      .00  1449.52     2.85     2.05      .09  1436.00
   80000.   30147.   41981.    7872.    3988.    2440.     972.    1812.     251.   1436.00
      .25     7.56    17.21     8.10     .045     .035     .050     .000  1432.50   800.00
  .005282     405.     380.     390.       20        8        0      .00  1287.67  2246.69

*SECNO 10.830

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    1080.0    2875.0  TYPE=     1  TARGET=   -1080.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

    10.83     15.13   1451.13       .00       .00   1452.16      1.03      2.45       .18   1444.00
   80000.    12571.    25700.    41729.     2732.     2265.     6480.     1952.      274.    1444.00
      .27      4.60     11.35      6.44      .045      .035      .050      .000   1436.00   1080.00
  .002838     645.      650.      650.         3         0         0       .00   1787.36   2867.36

*SECNO 10.930

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1360.0    2965.0  TYPE=     1  TARGET=    1605.000
    10.93     12.12   1453.12   1453.12       .00   1455.27      2.15      2.20       .33   1448.00
   80000.    12213.    27382.    40404.     1593.     1648.     4869.     2065.      293.    1448.00
      .29      7.67     16.61      8.30      .045      .035      .050      .000   1441.00   1360.00
  .007747     500.      500.      500.         4        14         0       .00   1605.00   2965.00

*SECNO 11.040

3470 ENCROACHMENT STATIONS=    1440.0    2540.0  TYPE=     1  TARGET=    1100.000
    11.04     13.07   1457.07       .00       .00   1458.79      1.72      3.48       .04   1450.00
   80000.    46481.    10823.    22695.     4226.      833.     2898.     2157.      309.    1450.00
      .30     11.00     12.99      7.83      .045      .035      .050      .000   1444.00   1440.00
  .006294     500.      500.      500.         2         0         0       .00   1100.00   2540.00

*SECNO 11.200

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    11.20     13.42   1465.42   1465.42       .00   1471.64      6.22      2.87      1.35   1467.00
   80000.        0.    80000.        0.        0.     3996.        0.     2258.      321.    1467.00
      .31       .00     20.02       .00      .045      .020      .050      .000   1452.00   1837.67
  .002621     680.      770.      755.        20         8         0       .00    324.67   2162.33
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 11.300

3301 HV CHANGED MORE THAN HVINS

11.30	16.23	1468.73	.00	.00	1472.83	4.10	.98	.21	1469.00
80000.	0.	80000.	0.	0.	4923.	0.	2312.	325.	1469.50
.32	.00	16.25	.00	.045	.020	.050	.000	1452.50	1832.05
.001374	528.	528.	528.	4	0	0	.00	335.89	2167.95

*SECNO 11.400

3301 HV CHANGED MORE THAN HVINS

11.40	15.02	1469.02	.00	.00	1473.88	4.86	.82	.23	1471.50
80000.	0.	80000.	0.	0.	4522.	0.	2369.	329.	1472.00
.33	.00	17.69	.00	.045	.020	.050	.000	1454.00	1834.46
.001786	528.	528.	528.	3	0	0	.00	331.09	2165.54

PROFILE FOR STREAM SKUNK CRK 500YR FLOOD Q=80000

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA

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ELEVATION 1360.    1380.    1400.    1420.    1440.    1460.    1480.    1500.    1520.    1540.
   SECNO  CUMDIS

    8.69     0.  .   I  L W E      .        .        .        .        .        .        .        .
            50.  C   I  L MWE      .        .        .        .        .        .        .        .
           100.  C   I  L MWE      .        .        .        .        .        .        .        .
           150.  C   I  L .WE      .        .        .        .        .        .        .        .
           200.  C   I  LR.WE      .        .        .        .        .        .        .        .
           250.  C   I  LR.WE      .        .        .        .        .        .        .        .
           300.  C   I  LR.MWE     .        .        .        .        .        .        .        .
           350.  C   I  LR.MWE     .        .        .        .        .        .        .        .
           400.  C   I  LR. WE     .        .        .        .        .        .        .        .
           450.  C   I  LR. WE     .        .        .        .        .        .        .        .
           500.  C   I  LR. WE     .        .        .        .        .        .        .        .
           550.  C   I  LR. WE     .        .        .        .        .        .        .        .
           600.  C   I  L R MWE    .        .        .        .        .        .        .        .
           650.  C   I  L R  WE    .        .        .        .        .        .        .        .
           700.  C   I  L R  WE    .        .        .        .        .        .        .        .
    8.75   750.  C    I L R  WE    .        .        .        .        .        .        .        .
           800.  C    I L R  WE    .        .        .        .        .        .        .        .
           850.  C    I L R  WE    .        .        .        .        .        .        .        .
           900.  C    I  LR  MWE   .        .        .        .        .        .        .        .
           950.  C    I  LR  MWE   .        .        .        .        .        .        .        .
          1000.  C     I L.R  WE   .        .        .        .        .        .        .        .
          1050.  C     I L.R  WE   .        .        .        .        .        .        .        .
          1100.  C     I  LR  WE   .        .        .        .        .        .        .        .
          1150.  C     I  LR  WE   .        .        .        .        .        .        .        .
          1200.  C     I  LR  WE   .        .        .        .        .        .        .        .
          1250.  C      I LR  W E  .        .        .        .        .        .        .        .
          1300.  C      I .L  MWE  .        .        .        .        .        .        .        .
          1350.  C      I .L  MWE  .        .        .        .        .        .        .        .
          1400.  C      I .LR  WE  .        .        .        .        .        .        .        .
          1450.  C      I .LR  WE  .        .        .        .        .        .        .        .
          1500.  C       I. L  WE  .        .        .        .        .        .        .        .
          1550.  C       I. L  WE  .        .        .        .        .        .        .        .
    8.89  1600.  .       I. L  W E .        .        .        .        .        .        .        .
          1650.  C       I. L  MWE .        .        .        .        .        .        .        .
          1700.  C       I.  L MWE .        .        .        .        .        .        .        .
          1750.  C        I  L MWE .        .        .        .        .        .        .        .
          1800.  C        I  L  WE .        .        .        .        .        .        .        .
          1850.  C        I  L  WE .        .        .        .        .        .        .        .
          1900.  C        I   L W E .        .        .        .        .        .        .        .
          1950.  C        I   L W E .        .        .        .        .        .        .        .
    8.97  2000.  C        .I  L MWE .        .        .        .        .        .        .        .
          2050.  C        .I  L MWE .        .        .        .        .        .        .        .
          2100.  C        .I  L MWE .        .        .        .        .        .        .        .
          2150.  C        .I  L MWE .        .        .        .        .        .        .        .
          2200.  C        .I  L MWE .        .        .        .        .        .        .        .
          2250.  C        .I  L MWE .        .        .        .        .        .        .        .
          2300.  C        .I  LR MWE.        .        .        .        .        .        .        .
          2350.  C        .I  LR MWE.        .        .        .        .        .        .        .
          2400.  C        .I  LR MWE.        .        .        .        .        .        .        .
          2450.  C        .I  LR MWE.        .        .        .        .        .        .        .
          2500.  C        .I  LR MWE.        .        .        .        .        .        .        .
    9.05  2550.  C        .I  LR MWE.        .        .        .        .        .        .        .
          2600.  C        . I LR MWE.        .        .        .        .        .        .        .
          2650.  C        . I  L M E.        .        .        .        .        .        .        .
          2700.  C        .  I LRM E.        .        .        .        .        .        .        .
          2750.  C        .  I LRM WE        .        .        .        .        .        .        .
          2800.  C        .   I LM WE        .        .        .        .        .        .        .
          2850.  C        .   I LM WE        .        .        .        .        .        .        .
    9.09  2900.  C        .    IRL WE        .        .        .        .        .        .        .
    9.10  2950.  .        .    IRL WE        .        .        .        .        .        .        .
    9.11  3000.  .        .    I L WE        .        .        .        .        .        .        .
    9.19  3050.  .        .    ILM WE        .        .        .        .        .        .        .
    9.20  3100.  C        .    ILM  E        .        .        .        .        .        .        .
          3150.  C        .    ILM  E        .        .        .        .        .        .        .
          3200.  C        .    I L  E        .        .        .        .        .        .        .
          3250.  C        .    I LM WE       .        .        .        .        .        .        .
          3300.  C        .    I LM WE       .        .        .        .        .        .        .
          3350.  C        .    I LR WE       .        .        .        .        .        .        .
          3400.  C        .    I LR WE       .        .        .        .        .        .        .
          3450.  C        .    I LR WE       .        .        .        .        .        .        .
    9.21  3500.  C        .    I L RWE       .        .        .        .        .        .        .
          3550.  C        .    I L RWE       .        .        .        .        .        .        .
          3600.  C        .    I L RWE       .        .        .        .        .        .        .
          3650.  C        .    I L  RWE      .        .        .        .        .        .        .
          3700.  C        .    I L RWE
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       3750. C        .     I L RWE      .        .        .        .        .        .        .        .
       3800. C        .     I L RWE      .        .        .        .        .        .        .        .
       3850. C        .     I L RWE      .        .        .        .        .        .        .        .
       3900. C        .     I L RWE      .        .        .        .        .        .        .        .
       3950. C        .     I L RWE      .        .        .        .        .        .        .        .
       4000. C        .     I  LRWE      .        .        .        .        .        .        .        .
       4050. C        .     I  LRW E     .        .        .        .        .        .        .        .
       4100. C        .     I  LRW E     .        .        .        .        .        .        .        .
 9.31  4150. .        .     I  L.W E     .        .        .        .        .        .        .        .
       4200. C        .     I  L.W E     .        .        .        .        .        .        .        .
       4250. C        .     I  L.WME     .        .        .        .        .        .        .        .
       4300. C        .     I   LRWE     .        .        .        .        .        .        .        .
       4350. C        .     I   LRWE     .        .        .        .        .        .        .        .
       4400. C        .     I   LRWE     .        .        .        .        .        .        .        .
       4450. C        .     I   L WE     .        .        .        .        .        .        .        .
       4500. C        .     I   L W E    .        .        .        .        .        .        .        .
       4550. C        .      I  .LW E    .        .        .        .        .        .        .        .
       4600. C        .      I  .LRWE    .        .        .        .        .        .        .        .
       4650. C        .      I  .LRWE    .        .        .        .        .        .        .        .
 9.40  4700. C        .      I  .L WE    .        .        .        .        .        .        .        .
       4750. C        .      I  .LRWE    .        .        .        .        .        .        .        .
       4800. C        .      I  .LRWE    .        .        .        .        .        .        .        .
       4850. C        .      I  .LRW E   .        .        .        .        .        .        .        .
       4900. C        .      I  .LRWME   .        .        .        .        .        .        .        .
       4950. C        .      I  . L WE   .        .        .        .        .        .        .        .
       5000. C        .       I . L WE   .        .        .        .        .        .        .        .
       5050. C        .       I .RL WE   .        .        .        .        .        .        .        .
       5100. C        .       I .RL WME  .        .        .        .        .        .        .        .
 9.48  5150. .        .       I .RL WME  .        .        .        .        .        .        .        .
       5200. C        .       I .RL WME  .        .        .        .        .        .        .        .
       5250. C        .       I .RL  WE  .        .        .        .        .        .        .        .
       5300. C        .       I . RL WE  .        .        .        .        .        .        .        .
       5350. C        .        I. RL W E .        .        .        .        .        .        .        .
       5400. C        .        I. RL W E .        .        .        .        .        .        .        .
       5450. C        .        I. RL W E .        .        .        .        .        .        .        .
       5500. C        .        I.  L MWE .        .        .        .        .        .        .        .
       5550. C        .        I.  RLMWE .        .        .        .        .        .        .        .
 9.58  5600. C        .        I.  RLMW E.        .        .        .        .        .        .        .
       5650. C        .        I.  RL W E.        .        .        .        .        .        .        .
       5700. C        .        I.  RL WME.        .        .        .        .        .        .        .
       5750. C        .         I  RL  WE.        .        .        .        .        .        .        .
       5800. C        .         I  RL  W E.       .        .        .        .        .        .        .
       5850. C        .         I   L  W EM       .        .        .        .        .        .        .
       5900. C        .         I   L  W E.M      .        .        .        .        .        .        .
       5950. C        .         I   L  W E. M     .        .        .        .        .        .        .
       6000. .        C         I   L  W  E  M    .        .        .        .        .        .        .
 9.67  6050. .        .         I   L  W  E  M    .        .        .        .        .        .        .
       6100. .        .         I   L   W E  M    .        .        .        .        .        .        .
       6150. .        .         I   L   W E  M    .        .        .        .        .        .        .
       6200. .        .         I   L   W E  M    .        .        .        .        .        .        .
       6250. .        .         I    L   W.EM     .        .        .        .        .        .        .
       6300. .        .         .I   L   W.EM     .        .        .        .        .        .        .
       6350. .        .         .I   L   W.EM     .        .        .        .        .        .        .
 9.75  6400. .        .         .I   L    W E     .        .        .        .        .        .        .
       6450. C        .         .I   L    W E     .        .        .        .        .        .        .
       6500. C        .         .I   L    W EM    .        .        .        .        .        .        .
       6550. C        .         .I   RL   W EM    .        .        .        .        .        .        .
       6600. C        .         .I   RL   W EM    .        .        .        .        .        .        .
       6650. C        .         .I   RL   .WE M   .        .        .        .        .        .        .
       6700. C        .         .I   RL   .W EM   .        .        .        .        .        .        .
       6750. C        .         .I   RL   .W EM   .        .        .        .        .        .        .
       6800. C        .         .I   R L  .W E M  .        .        .        .        .        .        .
       6850. C        .         .I   R L  .W E M  .        .        .        .        .        .        .
 9.84  6900. C        .         . I  R L  .W E M  .        .        .        .        .        .        .
       6950. C        .         . I  R L  . WE M  .        .        .        .        .        .        .
       7000. C        .         . I  R L  . WE M  .        .        .        .        .        .        .
       7050. C        .         . I  RL   . WE M  .        .        .        .        .        .        .
       7100. C        .         . I  RL   . WE M  .        .        .        .        .        .        .
       7150. C        .         . I  RL   . W EM  .        .        .        .        .        .        .
       7200. C        .         . I   L   . W EM  .        .        .        .        .        .        .
       7250. C        .         .  I  L   . W EM  .        .        .        .        .        .        .
       7300. C        .         .  I LR   . W EM  .        .        .        .        .        .        .
       7350. C        .         .  I LR   . W EM  .        .        .        .        .        .        .
 9.94  7400. C        .         .  I LR   . W EM  .        .        .        .        .        .        .
       7450. C        .         .  I LR   .  WEM  .        .        .        .        .        .        .
       7500. C        .         .  I LR   .  WEM  .        .        .        .        .        .        .
       7550. C        .         .  I  L   .  WEM  .        .        .        .        .        .        .
       7600. C        .         .   I L   .  WEM  .        .        .        .        .        .        .
       7650. C        .         .   I L   .  WEM  .        .        .        .        .        .        .
       7700. C        .         .   I LR  .  WME  .        .        .        .        .        .        .
       7750. C        .         .   I LR  .  WME  .        .        .        .        .        .        .
       7800. C        .         .   I LR  .  WME  .        .        .        .        .        .        .
       7850. C        .         .   I  L  .  WME  .        .        .        .        .        .        .
       7900. C        .         .   I  L  .   WE  .        .        .        .        .        .        .
10.04  7950. C        .         .    I L  .   WE  .        .        .        .        .        .        .
       8000. C        .         .    I L  .   WE  .        .        .        .        .        .        .
       8050. C        .         .    I L  .   WE  .        .        .        .        .        .        .
       8100. C        .         .    I L  .   WE  .        .        .        .        .        .        .
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       8150. C        .        .       I LR .   WE   .        .        .        .        .        .
       8200. C        .        .       I LR .   WME  .        .        .        .        .        .
       8250. C        .        .       I LR .   WME  .        .        .        .        .        .
10.12  8300. .        .        .        ILR .   WME  .        .        .        .        .        .
       8350. C        .        .        ILR .   WME  .        .        .        .        .        .
       8400. C        .        .        I L .   W E  .        .        .        .        .        .
       8450. C        .        .        I L .   W E  .        .        .        .        .        .
       8500. C        .        .         IL .   W ME .        .        .        .        .        .
       8550. C        .        .         I L.    W E .        .        .        .        .        .
       8600. C        .        .         I L.    W E .        .        .        .        .        .
       8650. C        .        .         I L.    W E .        .        .        .        .        .
       8700. C        .        .          IRL    W EM.        .        .        .        .        .
10.21  8750. C        .        .          IRL    W EM.        .        .        .        .        .
       8800. C        .        .          IRL     WEM.        .        .        .        .        .
       8850. C        .        .          I L     W E.        .        .        .        .        .
       8900. C        .        .           IRL    W E.        .        .        .        .        .
       8950. C        .        .           IRL    W E.        .        .        .        .        .
       9000. C        .        .           I.L     WEM.        .        .        .        .        .
       9050. C        .        .            IL     WEM.        .        .        .        .        .
       9100. C        .        .            IRL    WEM.        .        .        .        .        .
       9150. C        .        .            I L    WEM.        .        .        .        .        .
10.30  9200. C        .        .            I L     WE.        .        .        .        .        .
       9250. C        .        .            I L     WE.        .        .        .        .        .
       9300. C        .        .            .IRL    WE.        .        .        .        .        .
       9350. C        .        .            .I L    WE.        .        .        .        .        .
       9400. C        .        .            .I L    WE.        .        .        .        .        .
       9450. C        .        .            .I RL   WEM        .        .        .        .        .
       9500. C        .        .            .I RL   WEM        .        .        .        .        .
       9550. C        .        .            .I  L    EM        .        .        .        .        .
       9600. C        .        .            .I  RL   EM        .        .        .        .        .
10.40  9650. C        .        .            .I  RL   EM        .        .        .        .        .
       9700. C        .        .            .I  RL   EM        .        .        .        .        .
       9750. C        .        .            .I  RL   WE        .        .        .        .        .
       9800. C        .        .            . I  RL  WE        .        .        .        .        .
       9850. C        .        .            . I  RL  WE        .        .        .        .        .
       9900. C        .        .            . I  RL  WE        .        .        .        .        .
       9950. C        .        .            . I  RL  WE        .        .        .        .        .
      10000. C        .        .            .  I RL  WE        .        .        .        .        .
      10050. C        .        .            .  I  RL WE        .        .        .        .        .
      10100. .        C.       .            .  I  RL  WE       .        .        .        .        .
10.49 10150. .        .        .            .  I  RL  WE       .        .        .        .        .
      10200. .        .        .            .  I  RL  WE       .        .        .        .        .
      10250. .        .        .            .  I  RL  WE       .        .        .        .        .
      10300. .        .        .            .   I RL  WE       .        .        .        .        .
      10350. .        .        .            .   I RL  WE       .        .        .        .        .
      10400. .        .        .            .   I RL  WE       .        .        .        .        .
      10450. .        .        .            .   I L   .WE      .        .        .        .        .
      10500. .        .        .            .   I L   .WE      .        .        .        .        .
      10550. .        .        .            .   I L   .WE      .        .        .        .        .
      10600. .        .        .            .   I L   .WE      .        .        .        .        .
      10650. .        .        .            .   I L   .WE      .        .        .        .        .
      10700. .        .        .            .    IL   .WME     .        .        .        .        .
10.62 10750. .        .        .            .    IL   .WME     .        .        .        .        .
      10800. .        .        .            .    IL   . WE     .        .        .        .        .
      10850. .        .        .            .    I L  . WE     .        .        .        .        .
      10900. .        .        .            .    I L  . WME    .        .        .        .        .
      10950. .        .        .            .    I L  . W E    .        .        .        .        .
      11000. .        .        .            .     IL  .  WE    .        .        .        .        .
      11050. .        .        .            .     I L .  WE    .        .        .        .        .
10.70 11100. .        .        .            .     I L .  W E   .        .        .        .        .
      11150. C        .        .            .     I L .   WE   .        .        .        .        .
      11200. C        .        .            .      I L.   WE   .        .        .        .        .
      11250. C        .        .            .      I L.   WE   .        .        .        .        .
      11300. C        .        .            .      I L.   WE   .        .        .        .        .
      11350. C        .        .            .      I  L   WE   .        .        .        .        .
      11400. C        .        .            .      I  L   WE   .        .        .        .        .
      11450. C        .        .            .      I  L    EM  .        .        .        .        .
      11500. C        .        .            .      I  L    WE  .        .        .        .        .
      11550. C        .        .            .      I  .L   WE  .        .        .        .        .
      11600. C        .        .            .       I .L   WE  .        .        .        .        .
      11650. C        .        .            .       I .L   WE  .        .        .        .        .
      11700. C        .        .            .       I . L  WE  .        .        .        .        .
10.83 11750. C        .        .            .       I . L   E  .        .        .        .        .
      11800. C        .        .            .       I . L   E  .        .        .        .        .
      11850. C        .        .            .        I. L   E  .        .        .        .        .
      11900. C        .        .            .        I.  L  WE .        .        .        .        .
      11950. C        .        .            .        I.  L  WE .        .        .        .        .
      12000. C        .        .            .        I.  L  WE .        .        .        .        .
      12050. C        .        .            .         I  L  WE .        .        .        .        .
      12100. C        .        .            .         I  L  WE .        .        .        .        .
      12150. C        .        .            .         I   L WE .        .        .        .        .
      12200. C        .        .            .         I   L WE .        .        .        .        .
10.93 12250. .        .        .            .         .I  L  WE.        .        .        .        .
      12300. C        .        .            .         .I  L  WE.        .        .        .        .
      12350. C        .        .            .         .I  L  WE.        .        .        .        .
      12400. C        .        .            .         .I  L  WE.        .        .        .        .
      12450. C        .        .            .         .I  L  WEM.       .        .        .        .
      12500. C
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       12550. C     .     .     .     .I   L  WE.     .     .     .     .     .
       12600. C     .     .     .     . I  L  WEM     .     .     .     .     .
       12650. C     .     .     .     . I  L  WEM     .     .     .     .     .
       12700. C     .     .     .     . I  L  WE.M    .     .     .     .     .
11.04  12750. C     .     .     .     . I  L   E.M    .     .     .     .     .
       12800. C     .     .     .     . I   L  WEM    .     .     .     .     .
       12850. C     .     .     .     .  I  L  WEM    .     .     .     .     .
       12900. C     .     .     .     .  I   L W.E    .     .     .     .     .
       12950. C     .     .     .     .  I   L  WEM   .     .     .     .     .
       13000. C     .     .     .     .  I    L WEM   .     .     .     .     .
       13050. C     .     .     .     .   I   L W E   .     .     .     .     .
       13100. C     .     .     .     .   I    LW E   .     .     .     .     .
       13150. C     .     .     .     .   I    L.WME  .     .     .     .     .
       13200. C     .     .     .     .   I     LWME  .     .     .     .     .
       13250. C     .     .     .     .    I    .W ME .     .     .     .     .
       13300. C     .     .     .     .    I    .LWME .     .     .     .     .
       13350. C     .     .     .     .    I     . WME .     .     .     .     .
       13400. C     .     .     .     .    I     . WM E .     .     .     .     .
       13450. C     .     .     .     .     I    . WL E .     .     .     .     .
       13500. .     .     .     .  C  .     I    .  W  E .     .     .     .     .
11.20  13550. .     .     .     .     .     I    .  WL E .     .     .     .     .
       13600. C     .     .     .     .     I    .  WL E .     .     .     .     .
       13650. C     .     .     .     .     I    .  WL E .     .     .     .     .
       13700. C     .     .     .     .     I    .  WL E .     .     .     .     .
       13750. C     .     .     .     .     I    .  WL E .     .     .     .     .
       13800. C     .     .     .     .     I    .  WL E .     .     .     .     .
       13850. C     .     .     .     .     I    .   W E .     .     .     .     .
       13900. C     .     .     .     .     I    .   W E .     .     .     .     .
       13950. C     .     .     .     .     I    .   W E .     .     .     .     .
       14000. C     .     .     .     .     I    .   WRE .     .     .     .     .
11.30  14050. C     .     .     .     .     I    .   WLE .     .     .     .     .
       14100. C     .     .     .     .     I    .   WLE .     .     .     .     .
       14150. C     .     .     .     .     I    .   WL E .     .     .     .     .
       14200. C     .     .     .     .     I    .   WL E .     .     .     .     .
       14250. C     .     .     .     .      I   .   WL E .     .     .     .     .
       14300. C     .     .     .     .      I   .   WL E .     .     .     .     .
       14350. C     .     .     .     .      I   .   WL E .     .     .     .     .
       14400. C     .     .     .     .      I   .   WLRE .     .     .     .     .
       14450. C     .     .     .     .      I   .   WLRE .     .     .     .     .
       14500. C     .     .     .     .      I   .   W LE .     .     .     .     .
       14550. C     .     .     .     .      I   .    WLE .     .     .     .     .
11.40  14600. C     .     .     .     .      I   .    WLE .     .     .     .     .
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THIS RUN EXECUTED 01/01/80 01:23:01

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

KUNK CRK 500YR FLOOD Q=8

SUMMARY PRINTOUT

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
*	8.690	1380.90	.00	1600.00	8.84	17.65	8.71	43872.96	12756.37	820.00	1979.00	2118.00	2420.00
	8.750	1386.22	.00	1390.00	7.10	14.49	7.25	31724.05	10351.76	900.00	1800.00	2040.00	2290.00
*	8.890	1390.69	.00	1190.00	7.96	15.19	7.51	24738.29	8109.94	1280.00	1900.00	2240.00	2470.00
	8.965	1393.23	.00	1195.00	7.92	15.34	8.61	20605.12	11034.62	1380.00	1955.00	2330.00	2575.00
	9.050	1396.79	.00	1150.00	7.19	12.06	6.49	29948.77	16952.31	1375.00	1905.00	2140.00	2525.00
	9.090	1397.70	.00	1270.00	6.46	12.46	5.07	9448.93	126.18	1310.00	1720.00	2575.00	2580.00
*	9.100	1397.44	.00	1270.00	3.22	13.91	2.61	4378.00	61.59	1310.00	1720.00	2575.00	2580.00
*	9.115	1397.62	.00	1270.00	3.13	13.72	2.67	3073.36	61.73	1310.00	1630.00	2575.00	2580.00
	9.190	1398.34	.00	1270.00	3.33	12.42	2.36	6195.45	70.06	1310.00	1720.00	2575.00	2580.00
	9.200	1399.32	.00	1270.00	5.96	9.78	3.89	13523.18	134.76	1310.00	1720.00	2575.00	2580.00
	9.210	1400.73	.00	1170.00	5.45	10.90	2.86	15210.89	65.59	1380.00	1865.00	2540.00	2550.00
*	9.310	1402.39	.00	1130.00	5.02	15.15	1.93	11415.15	12.00	1280.00	1930.00	2403.00	2410.00
	9.400	1405.50	.00	1130.00	6.71	13.44	1.58	16007.22	4.65	1330.00	1940.00	2454.00	2460.00
*	9.480	1408.58	.00	930.00	8.14	15.84	8.55	12794.63	7261.03	1540.00	1945.00	2300.00	2470.00
	9.580	1412.09	.00	720.00	6.99	15.05	9.33	3170.58	13006.72	1815.00	1910.00	2340.00	2535.00
*	9.670	1414.98	.00	606.71	9.58	21.47	14.23	7750.27	48023.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1419.05	.00	582.57	10.46	21.16	12.07	13185.50	28016.61	.00	1910.00	2035.00	.00

	SECNO	CWSEL	DIFKWS	TOPWID	VLOB	VCH	VROB	QLOB	QROB	STENCL	STCHL	STCHR	STENCR
	9.840	1422.84	.00	562.48	8.65	16.70	9.28	14655.78	11893.28	.00	1955.00	2160.00	.00
	9.940	1424.96	.00	547.60	10.00	16.72	8.48	24134.61	10716.70	.00	1960.00	2120.00	.00
	10.040	1427.21	.00	629.06	8.18	14.56	7.26	8899.33	14452.41	.00	1920.00	2160.00	.00
	10.120	1427.46	.00	584.65	9.31	19.20	9.30	10051.66	13235.07	.00	1900.00	2100.00	.00
	10.210	1430.73	.00	576.51	9.64	19.07	11.68	5620.30	30949.58	.00	1880.00	2050.00	.00
	10.300	1435.40	.00	972.25	7.71	13.13	7.37	4710.72	36536.11	.00	1860.00	2080.00	.00
	10.400	1437.66	.00	1540.00	5.12	9.40	5.20	31436.10	15633.96	950.00	1870.00	2120.00	2490.00
*	10.490	1439.08	.00	1587.69	7.13	14.40	7.90	33035.39	5060.97	720.00	1885.00	2185.00	2310.00
*	10.620	1442.92	.00	1464.58	6.58	16.14	8.01	30964.54	5078.85	655.00	1795.00	2020.00	2125.00
*	10.700	1446.68	.00	1287.67	7.56	17.21	8.10	30147.04	7871.58	800.00	1915.00	2100.00	2255.00
	10.830	1451.13	.00	1787.36	4.60	11.35	6.44	12570.58	41729.09	1080.00	1830.00	2030.00	2875.00
*	10.930	1453.12	.00	1605.00	7.67	16.61	8.30	12213.34	40404.18	1360.00	1910.00	2085.00	2965.00
	11.040	1457.07	.00	1100.00	11.00	12.99	7.83	46481.21	22695.38	1440.00	1955.00	2065.00	2540.00
*	11.200	1465.42	.00	324.67	.00	20.02	.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1468.73	.00	335.89	.00	16.25	.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1469.02	.00	331.09	.00	17.69	.00	.00	.00	.00	1829.50	2171.50	.00

KUNK CRK 500YR FLOOD Q=8

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	8.690	1380.90	.00	1383.17	1600.00	43872.96	23370.68	12756.37	1600.00	820.00	1979.00	2118.00	2420.00
	8.750	1386.22	.00	1388.18	1390.00	31724.05	37924.19	10351.76	1390.00	900.00	1800.00	2040.00	2290.00
*	8.890	1390.69	.00	1393.19	1190.00	24738.29	47151.77	8109.94	1190.00	1280.00	1900.00	2240.00	2470.00
	8.965	1393.23	.00	1395.85	1195.00	20605.12	48360.26	11034.62	1195.00	1380.00	1955.00	2330.00	2575.00
	9.050	1396.79	.00	1398.16	1150.00	29948.77	33098.92	16952.31	1150.00	1375.00	1905.00	2140.00	2525.00
	9.090	1397.70	.00	1399.89	1270.00	9448.93	70424.88	126.18	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.100	1397.44	.00	1400.29	1270.00	4378.00	75560.41	61.59	1270.00	1310.00	1720.00	2575.00	2580.00
*	9.115	1397.62	.00	1400.44	1270.00	3073.36	76864.90	61.73	1270.00	1310.00	1630.00	2575.00	2580.00
	9.190	1398.34	.00	1400.56	1270.00	6195.45	73734.49	70.06	1270.00	1310.00	1720.00	2575.00	2580.00
	9.200	1399.32	.00	1400.65	1270.00	13523.18	66342.05	134.76	1270.00	1310.00	1720.00	2575.00	2580.00
	9.210	1400.73	.00	1402.31	1170.00	15210.89	64723.53	65.59	1170.00	1380.00	1865.00	2540.00	2550.00
*	9.310	1402.39	.00	1405.50	1130.00	11415.15	68572.85	12.00	1130.00	1280.00	1930.00	2403.00	2410.00
	9.400	1405.50	.00	1407.89	1130.00	16007.22	63988.13	4.65	1130.00	1330.00	1940.00	2454.00	2460.00
*	9.480	1408.58	.00	1411.77	930.00	12794.63	59944.34	7261.03	930.00	1540.00	1945.00	2300.00	2470.00
	9.580	1412.09	.00	1415.15	720.00	3170.58	63822.69	13006.72	720.00	1815.00	1910.00	2340.00	2535.00
*	9.670	1414.98	.00	1419.18	606.71	7750.27	24226.74	48023.00	-1820.00	1820.00	1970.00	2060.00	2480.00
*	9.750	1419.05	.00	1423.49	582.57	13185.50	38797.89	28016.61	.00	.00	1910.00	2035.00	.00
	9.840	1422.84	.00	1426.14	562.48	14655.78	53450.94	11893.28	.00	.00	1955.00	2160.00	.00
	9.940	1424.96	.00	1428.03	547.60	24134.61	45148.69	10716.70	.00	.00	1960.00	2120.00	.00
	10.040	1427.21	.00	1429.81	629.06	8899.33	56648.26	14452.41	.00	.00	1920.00	2160.00	.00
	10.120	1427.46	.00	1431.91	584.65	10051.66	56713.27	13235.07	.00	.00	1900.00	2100.00	.00
	10.210	1430.73	.00	1434.72	576.51	5620.30	43430.11	30949.58	.00	.00	1880.00	2050.00	.00
	10.300	1435.40	.00	1437.14	972.25	4710.72	38753.17	36536.11	.00	.00	1860.00	2080.00	.00
	10.400	1437.66	.00	1438.47	1540.00	31436.10	32929.94	15633.96	1540.00	950.00	1870.00	2120.00	2490.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	10.490	1439.08	.00	1441.15	1587.69	33035.39	41903.64	5060.97	-720.00	720.00	1885.00	2185.00	2310.00
*	10.620	1442.92	.00	1445.46	1464.58	30964.54	43956.62	5078.85	-655.00	655.00	1795.00	2020.00	2125.00
*	10.700	1446.68	.00	1449.52	1287.67	30147.04	41981.38	7871.58	-800.00	800.00	1915.00	2100.00	2255.00
	10.830	1451.13	.00	1452.16	1787.36	12570.58	25700.33	41729.09	-1080.00	1080.00	1830.00	2030.00	2875.00
*	10.930	1453.12	.00	1455.27	1605.00	12213.34	27382.48	40404.18	1605.00	1360.00	1910.00	2085.00	2965.00
	11.040	1457.07	.00	1458.79	1100.00	46481.21	10823.41	22695.38	1100.00	1440.00	1955.00	2065.00	2540.00
*	11.200	1465.42	.00	1471.64	324.67	.00	80000.00	.00	.00	.00	1834.50	2165.50	.00
	11.300	1468.73	.00	1472.83	335.89	.00	80000.00	.00	.00	.00	1831.50	2169.50	.00
	11.400	1469.02	.00	1473.88	331.09	.00	80000.01	.00	.00	.00	1829.50	2171.50	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=     8.690  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     8.890  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     8.890  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.100  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.100  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.100  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.115  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.115  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.115  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.310  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.310  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     9.310  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     9.480  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.480  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.670  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.670  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=     9.750  PROFILE= 1  CRITICAL DEPTH ASSUMED
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CAUTION  SECNO=    11.200  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.200  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    11.200  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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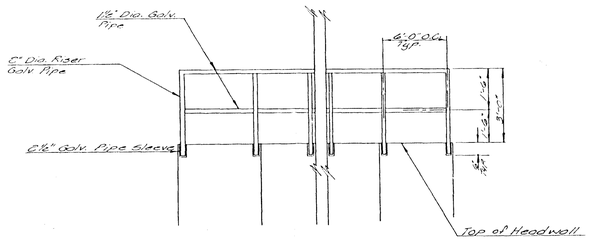
EXHIBITS

ADOBE MOUNTAIN

GRADING AND DRAINAGE PLANS

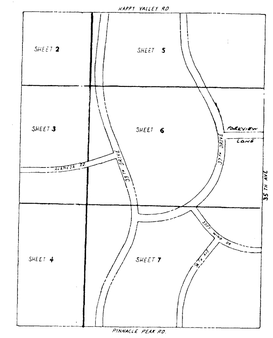


RAILING DETAIL
(TYP. ALL HEADWALLS)

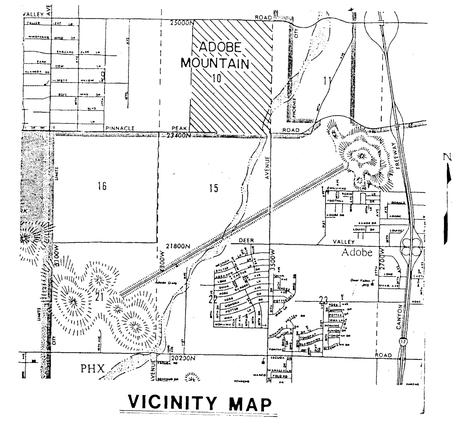
As-Built Certification:

I hereby certify that the "As-Built" elevations as shown hereon were made under my supervision or as noted and are correct to the best of my knowledge and belief.

Robert S. Mitchell - P.E. #14394 — Date 8/6/86



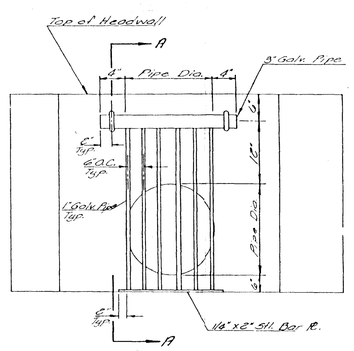
KEY MAP



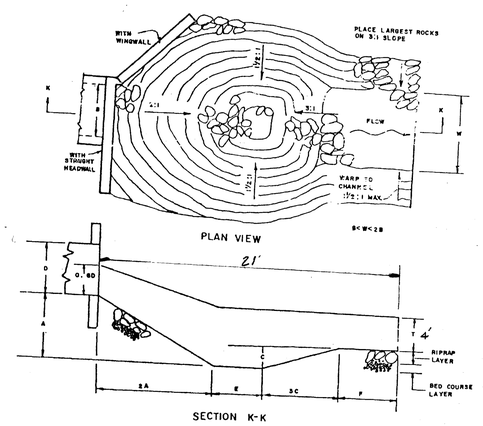
VICINITY MAP

GRADING NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO Maricopa County Special Provision, adopted 8-2-82, M.A.G. Specifications, with Maricopa County Supplements and Maricopa County Highway Department Standard Details.
2. It is the contractor's responsibility to locate all underground utilities in the field prior to commencing excavation.



MODIFIED M.A.G. DETAIL 502-2



Typical Riprap Installation at Culvert Outlet. (See Right)

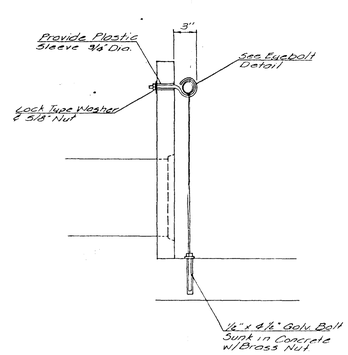
Rip Rap Specifications:
All Rip Rap installations to have 16" median Sized Stone to a thickness of 18" over 6" course bedding material.
Grouted riprap eliminates need for bedding material and is an acceptable alternative.
4" poured in place concrete with minimum 18" turndowns is an acceptable alternative.

ESTIMATED CUT & FILL QUANTITES :

AREA	CUT(C.Y.)	FILL(C.Y.)
STREETS	56,700	4000
BASINS	82,260	0
CHANNELS	32,300	0
FRINGE AREA (BETWEEN 39 TH DRIVE AND 35 TH AVE.)	49,520	196,000
BORROW AREA	133,040	0
TOTAL	323,820	200,000
Less 20% Shrinkage	64,760	
Net Cut	259,060	

Riprap 1,036 S.Y.
4" Concrete Bank Protection 2,626 S.Y.

Drainage Structures:
a) Concrete Box Culvert 165 C.Y.
b) 60" R.C.P. } 1000 "D" Load 370 L.F.
48" R.C.P. } 1000 "D" Load 80 L.F.
c) 54" C.M.P. 555 L.F.
48" C.M.P. 100 L.F.
All C.M.P. to be 16ga., bituminous coated



SECTION A-A

LEGEND

- - - - -	Existing Contour
———	Proposed Contour
(1392)	Proposed Elevation

BENCHMARK
Top of Maricopa County Brass Cap in handhole at ℳ intersection of 35th Avenue and Deer Valley Road
Elev. 1370.60'

TBM
Top of Brass Cap in handhole at intersection of 35th avenue and Pinnacle Peak Road
Elev. 1392.87'

Submitted by: _____ Registered Civil Engineer — Date

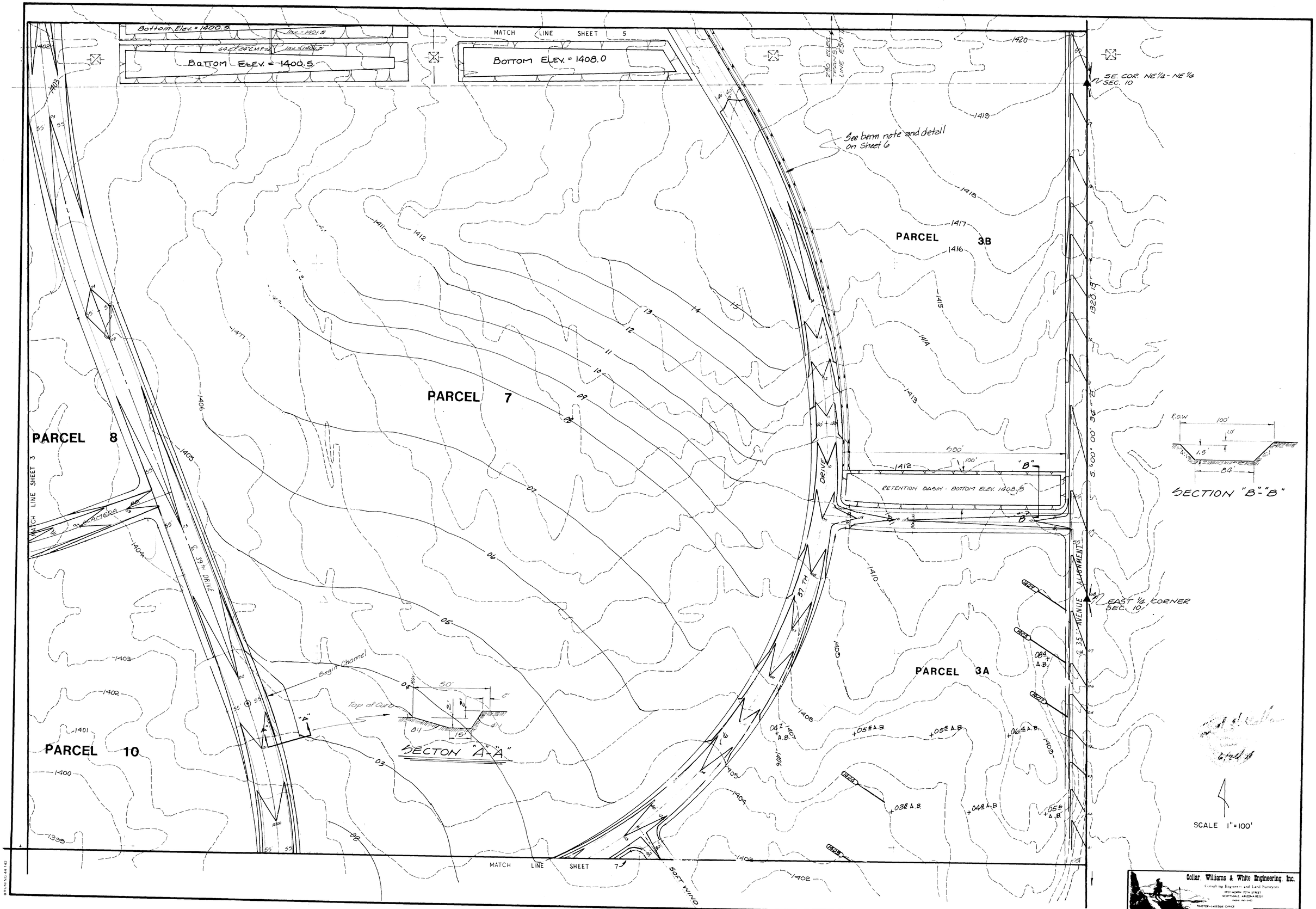
Approved by : _____ Maricopa County Flood Control District — Date

_____ Maricopa County Highway Department — Date

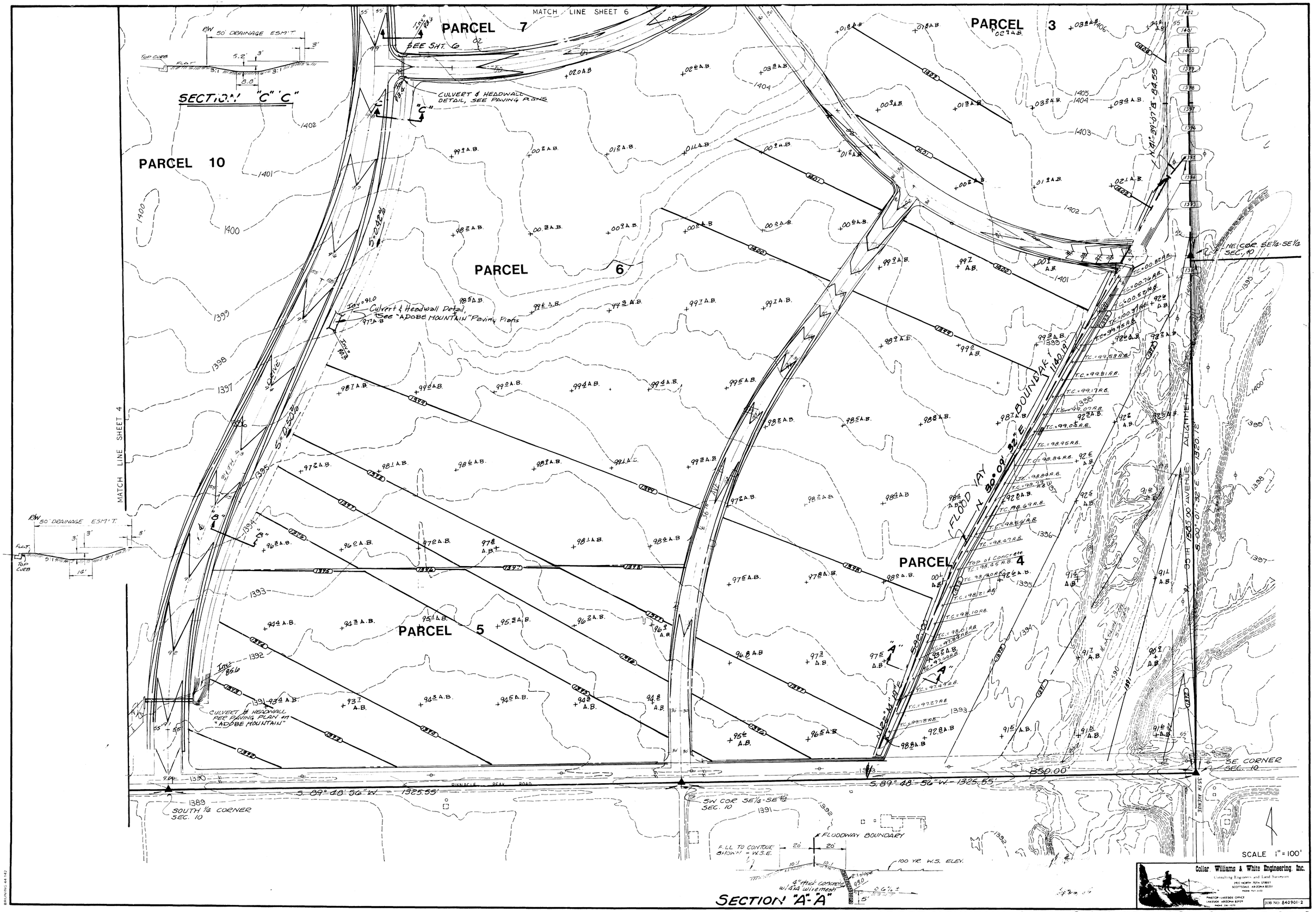
263-1100

Collar, Williams & White Engineering, Inc.
Consulting Engineers and Land Surveyors
2922 NORTH 70TH STREET
SCOTTSDALE, ARIZONA 85251
PHONE 947-1410

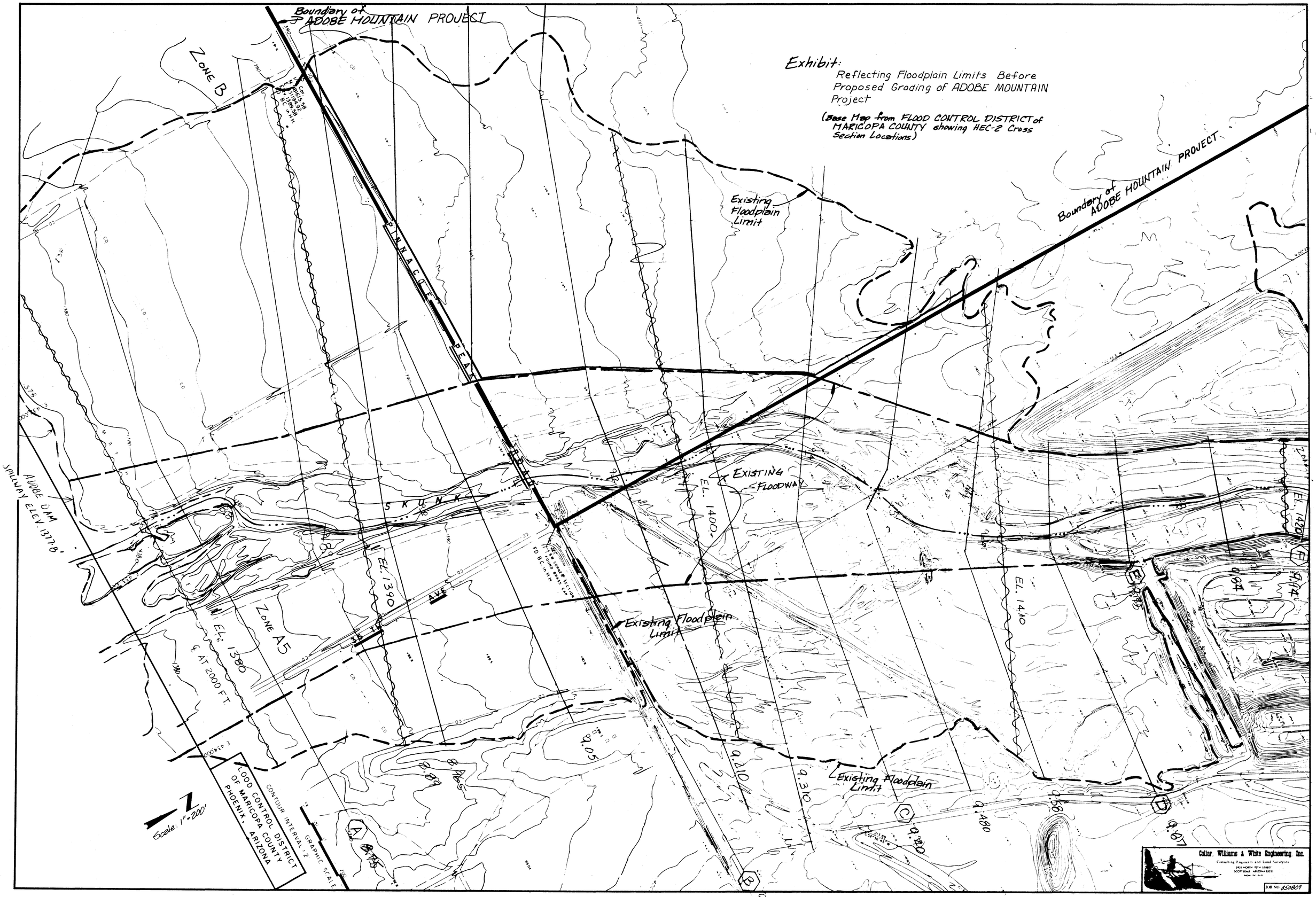
JOB NO. 850809



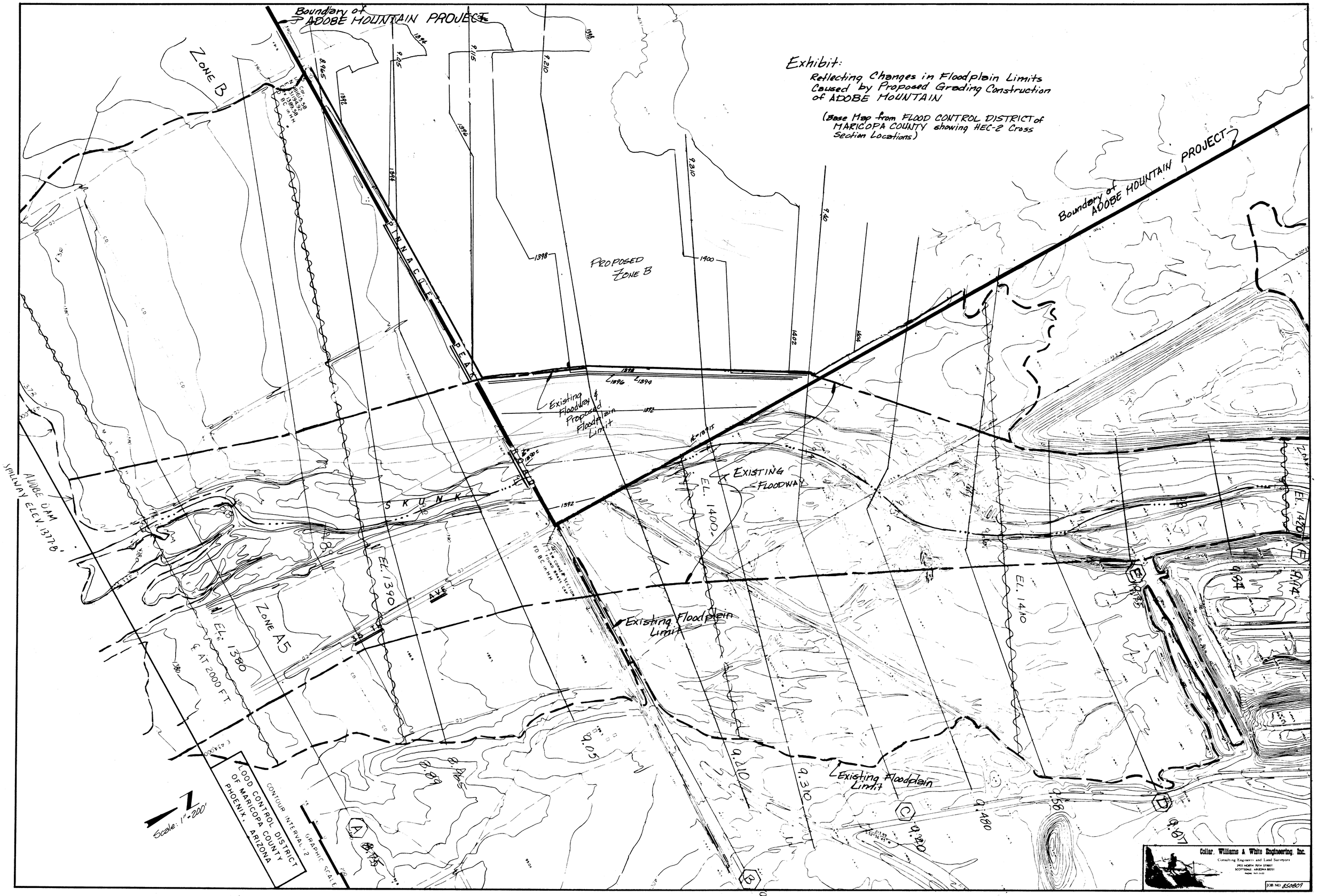
ADOBE MOUNTAIN GRADING AND DRAINAGE SHEET 6 OF 9



ADOBE MOUNTAIN GRADING AND DRAINAGE SHEET 7 OF 9



ADOBE MTN . SKUNK CREEK FLOOD PLAIN REVISION EXHIBIT #2 TOPOGRAPHIC MAP

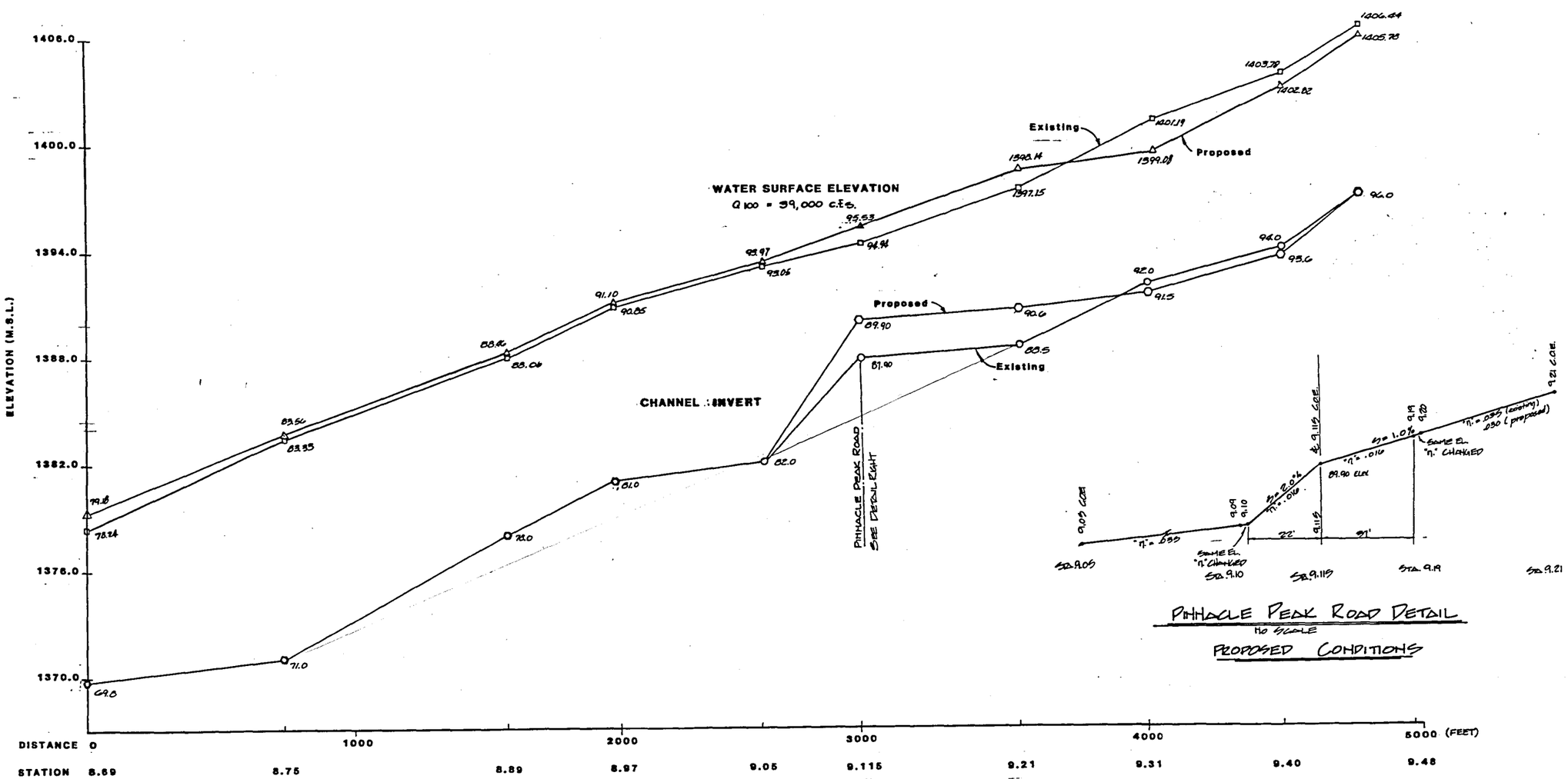


ADOBE MTN . SKUNK CREEK FLOOD PLAIN REVISION EXHIBIT #3 TOPOGRAPHIC MAP

SKUNK CREEK
WATER SURFACE PROFILE

LEGEND :

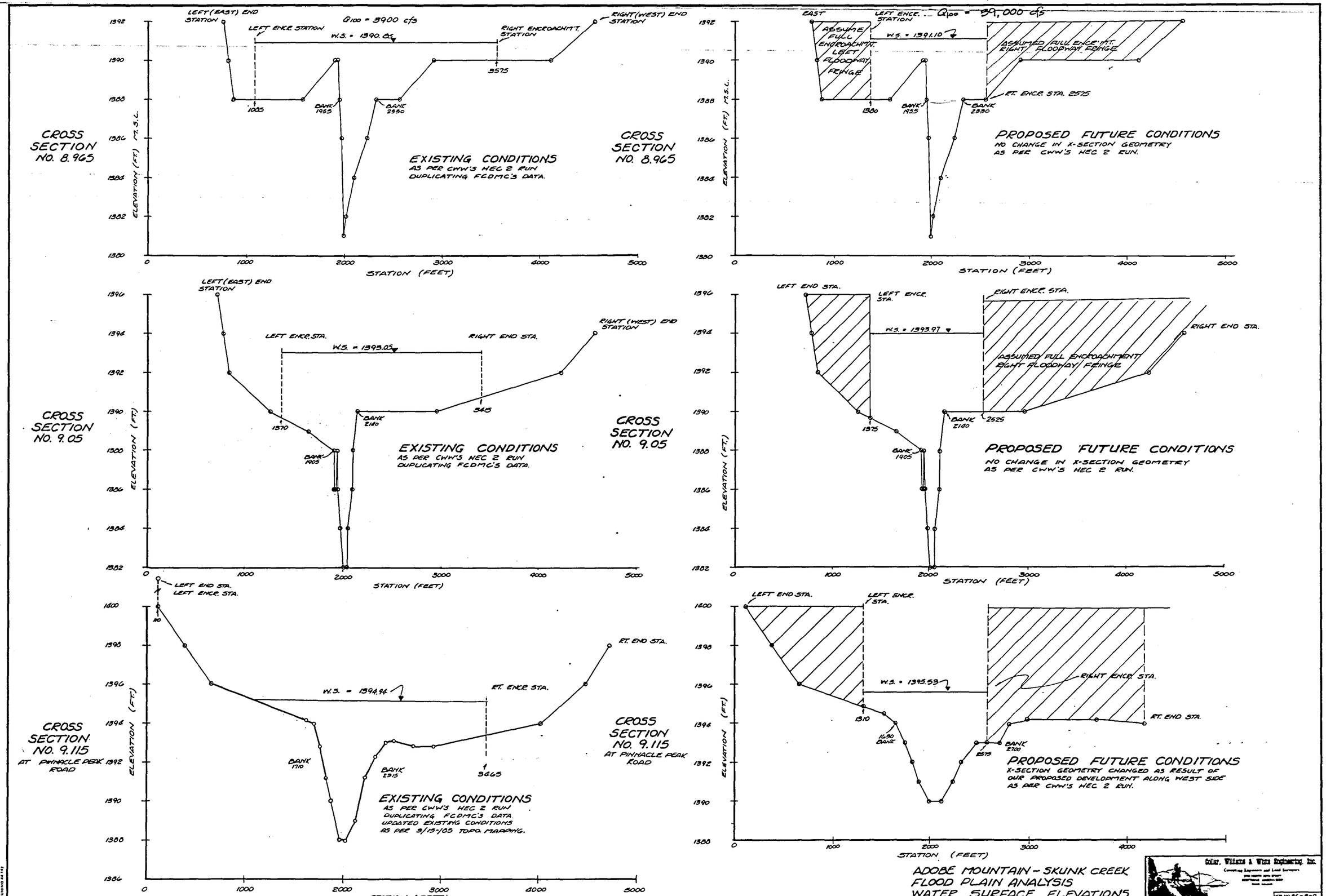
- □ EXISTING WATER SURFACE ELEVATION
- △ PROPOSED WATER SURFACE ELEVATION
- ○ EXISTING CHANNEL INVERT
- ⬡ PROPOSED CHANNEL INVERT

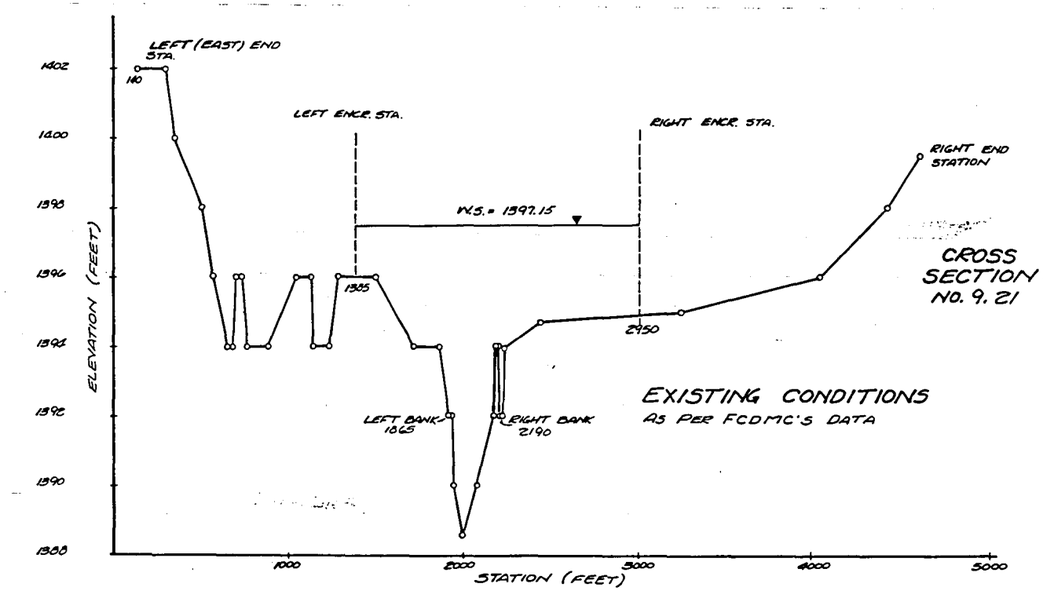


ADOBE MOUNTAIN-SKUNK CREEK
FLOOD PLAIN ANALYSIS
WATER SURFACE ELEVATIONS

Coffer, Williams & White Engineering, Inc.
Consulting Engineers and Land Surveyors

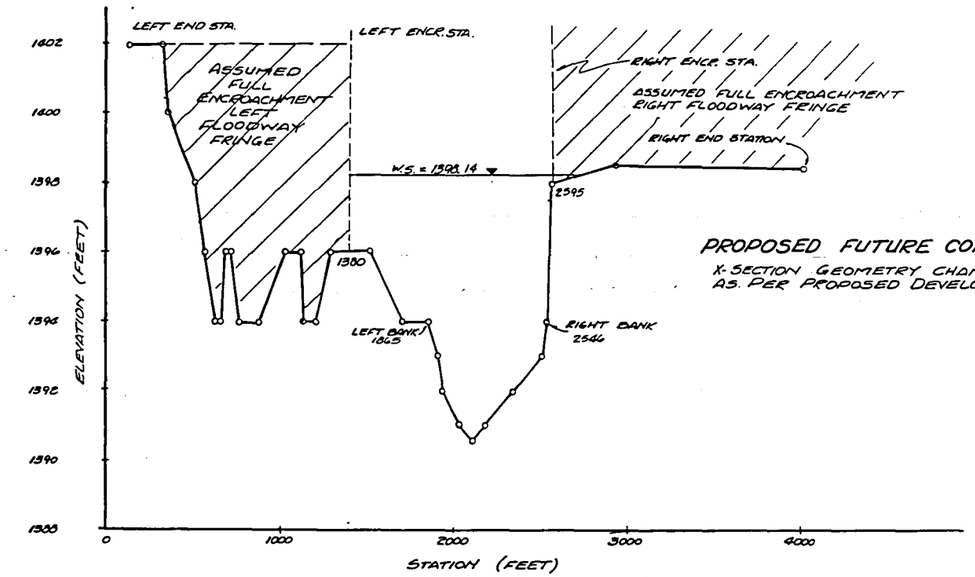
JOB NO. 850080 7


CROSS SECTION NO. 8.965
LEFT (EAST) END STATION
LEFT ENCR. STATION
Q100 = 3900 cfs
W.S. = 1390.85
RIGHT ENCROACHMT. STATION
RIGHT (WEST) END STATION
1005
BANK 1955
BANK 2330
3575
EXISTING CONDITIONS
AS PER CWW'S HEC 2 RUN
DUPLICATING FCDMC'S DATA.
ELEVATION (FT) M.S.L.
STATION (FEET)
EAST
LEFT ENCR. STATION
Q100 = 39,000 cfs
ASSUME FULL ENCROACHMT. LEFT FLOODWAY FRINGE
W.S. = 1391.10
ASSUMED FULL ENCR'MT. RIGHT FLOODWAY FRINGE
RT. ENCR. STA. 2575
1980
PROPOSED FUTURE CONDITIONS
NO CHANGE IN X-SECTION GEOMETRY
AS PER CWW'S HEC 2 RUN.
CROSS SECTION NO. 9.05
LEFT (EAST) END STATION
LEFT ENCR. STA.
W.S. = 1393.05
RIGHT END STA.
RIGHT (WEST) END STATION
1370
BANK 1905
BANK 2140
3415
EXISTING CONDITIONS
AS PER CWW'S HEC 2 RUN
DUPLICATING FCDMC'S DATA.
ELEVATION (FT)
STATION (FEET)
LEFT END STA.
LEFT ENCR. STA.
W.S. = 1393.97
RIGHT ENCR. STA.
RIGHT END STA.
ASSUMED FULL ENCROACHMENT RIGHT FLOODWAY FRINGE
1375
BANK 1905
BANK 2140
2625
PROPOSED FUTURE CONDITIONS
NO CHANGE IN X-SECTION GEOMETRY
AS PER CWW'S HEC 2 RUN.
CROSS SECTION NO. 9.115
AT PINNACLE PEAK ROAD
110
W.S. = 1394.94
RT. ENCR. STA.
RT. END STA.
BANK 1110
BANK 2315
3465
EXISTING CONDITIONS
AS PER CWW'S HEC 2 RUN
DUPLICATING FCDMC'S DATA.
UPDATED EXISTING CONDITIONS
AS PER 3/13/85 TOPO. MAPPING.
W.S. = 1395.53
1310
1630 BANK
BANK 2700
2575
PROPOSED FUTURE CONDITIONS
X-SECTION GEOMETRY CHANGED AS RESULT OF
OUR PROPOSED DEVELOPMENT ALONG WEST SIDE
AS PER CWW'S HEC 2 RUN.
ADOBE MOUNTAIN - SKUNK CREEK
FLOOD PLAIN ANALYSIS
WATER SURFACE ELEVATIONS
Coller, Williams & White Engineering, Inc.
JOB NO 850809

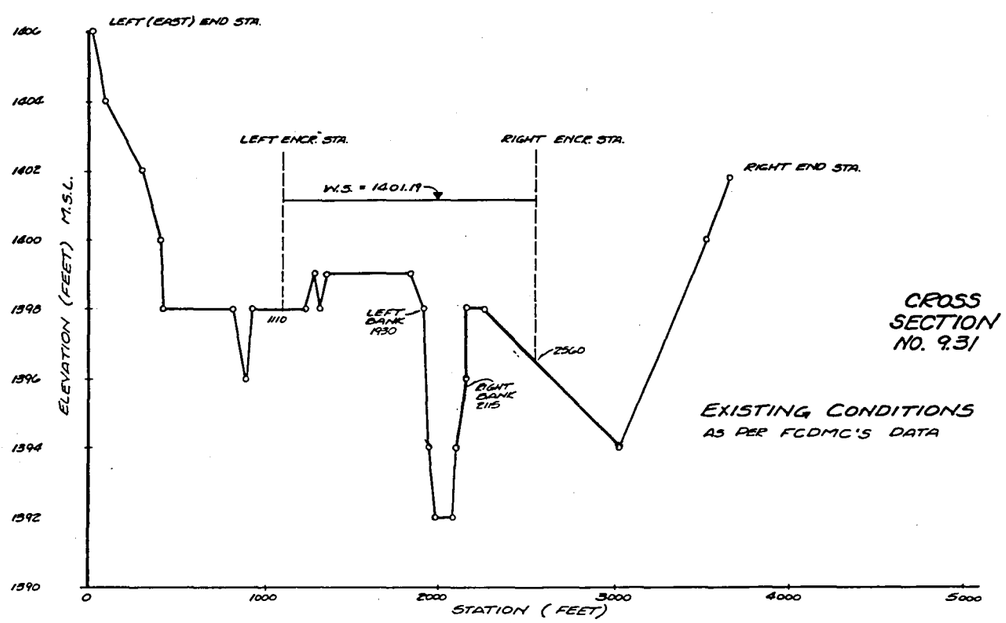


CROSS SECTION NO. 9.21

EXISTING CONDITIONS
AS PER FCDMC'S DATA

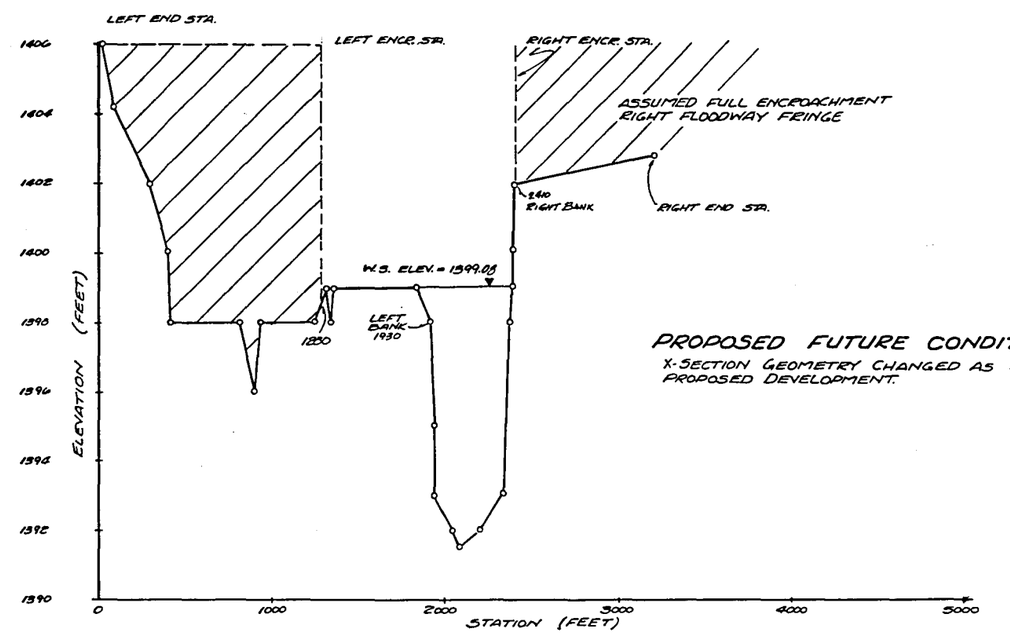


PROPOSED FUTURE CONDITION
X-SECTION GEOMETRY CHANGED AS PER PROPOSED DEVELOPMENT.



CROSS SECTION NO. 9.31

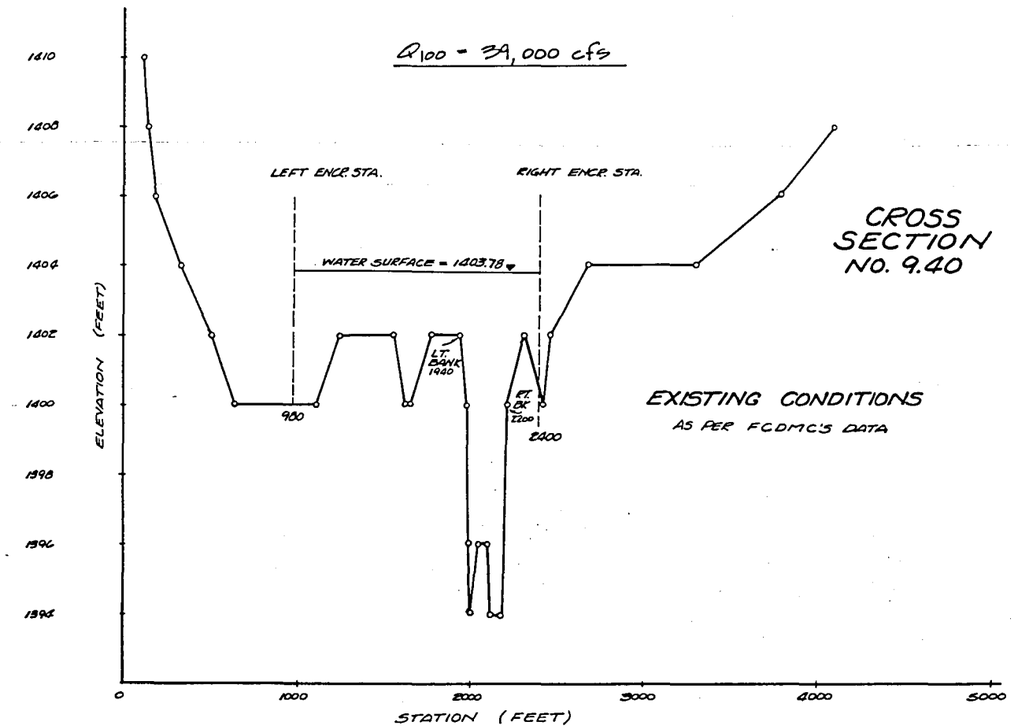
EXISTING CONDITIONS
AS PER FCDMC'S DATA

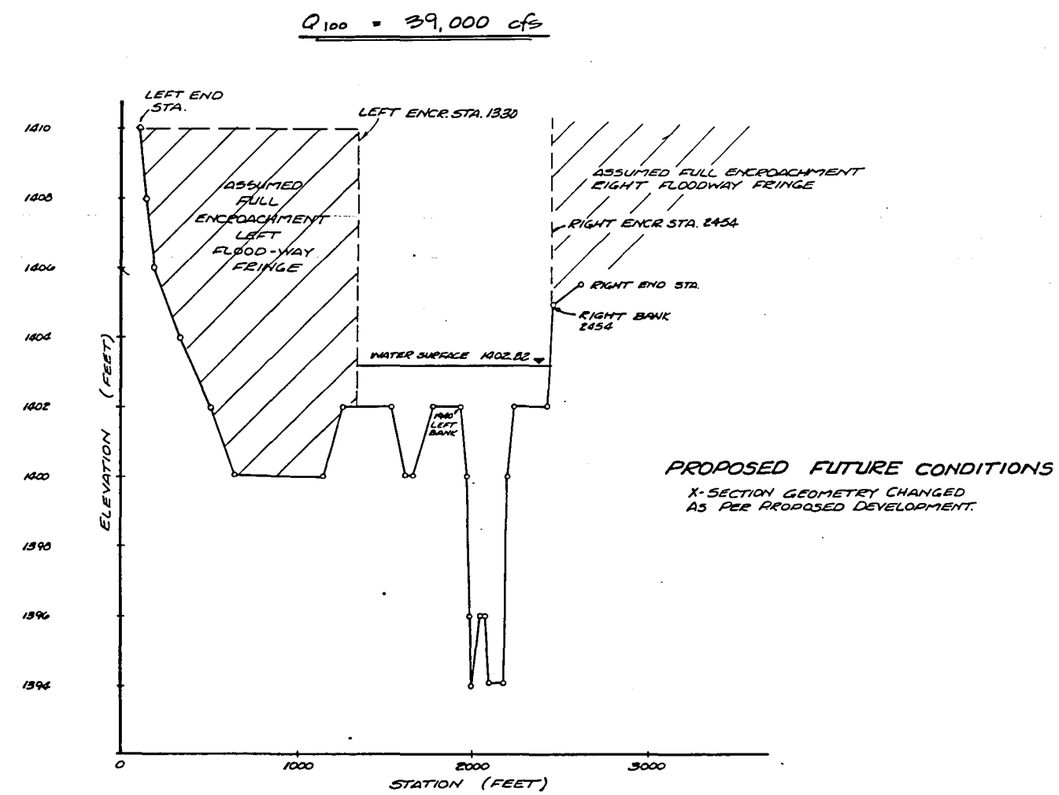


PROPOSED FUTURE CONDITIONS
X-SECTION GEOMETRY CHANGED AS PER PROPOSED DEVELOPMENT.

ADOBE MOUNTAIN - SKUNK CREEK
FLOOD PLAIN ANALYSIS
WATER SURFACE ELEVATIONS

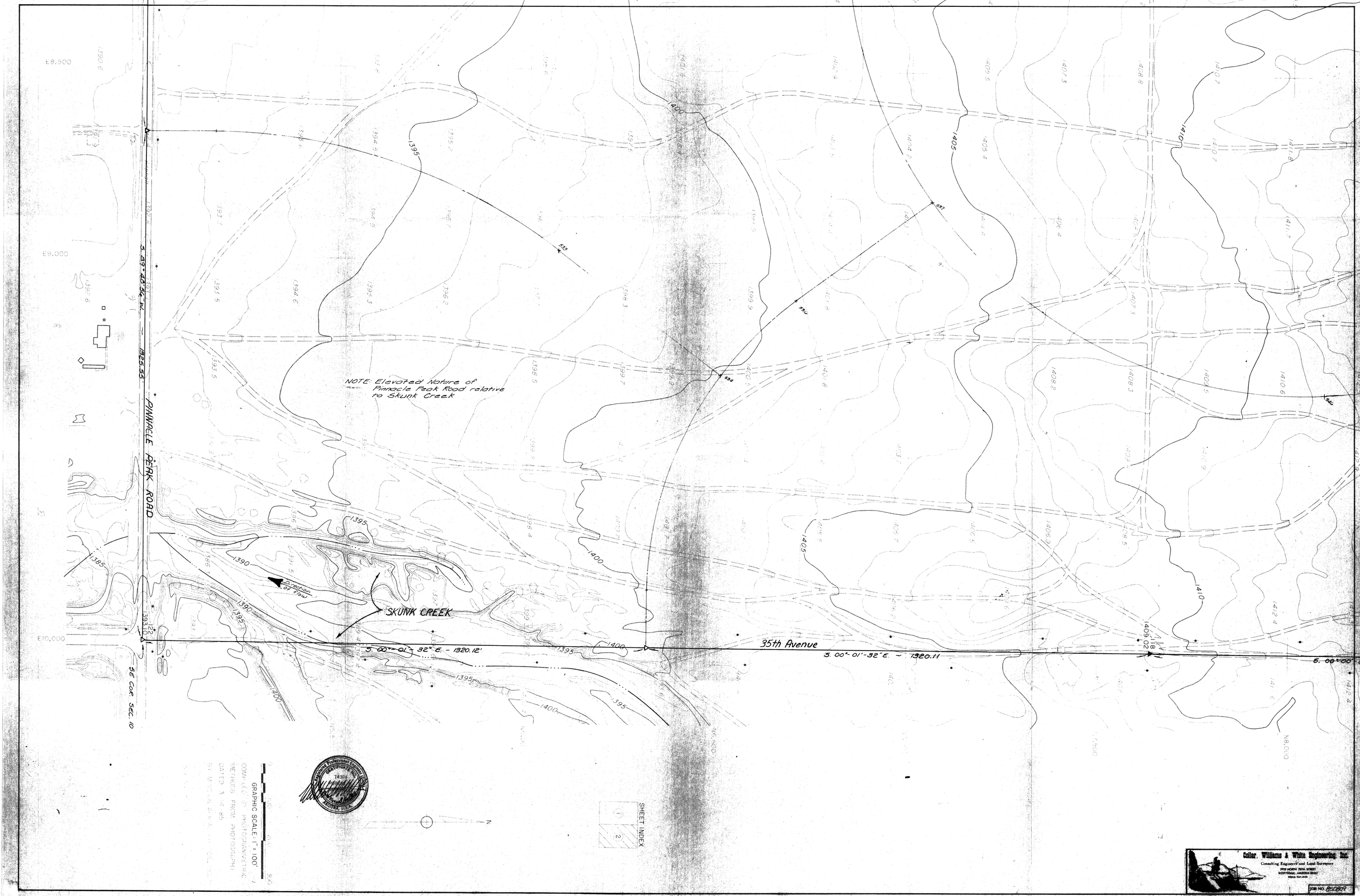
Collier, Williams & White Engineering, Inc.
Consulting Engineers and Land Surveyors
JOB NO. 850809





ADOBE MOUNTAIN - SKUNK CREEK
FLOOD PLAIN ANALYSIS
WATER SURFACE ELEVATIONS

Coffey, Williams & White Engineering, Inc.
Consulting Engineers and Land Surveyors
JOB NO 850809



ADOBE MOUNTAIN AERIAL TOPOGRAPHY