

NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	864.000	1434.000	1697.000	2318.000	1697.000	0.0	6.0	0.0	0.0
X1	1000.000	14.000	1229.000	1273.000	725.000	725.000	725.000	0.0	0.0	0.0
GR	794.000	1000.000	690.600	1100.000	687.700	1200.000	690.000	1229.000	681.600	1242.000
GR	601.000	1250.000	681.300	1258.000	686.600	1273.000	686.200	1300.000	687.600	1400.000
GR	691.900	1500.000	695.600	1600.000	700.100	1700.000	703.900	1800.000	0.0	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	859.000	1434.000	1694.000	2307.000	1694.000	0.0	0.0	0.0	0.0
X1	2050.000	15.000	1040.000	1080.000	1050.000	1050.000	1050.000	0.0	0.0	0.0
GR	710.300	1000.000	682.200	1026.000	688.300	1040.000	684.400	1053.000	684.100	1063.000
GR	634.000	1873.000	690.300	1080.000	690.500	1085.000	694.000	1092.000	693.700	1100.000
GR	693.600	1200.000	695.800	1300.000	703.100	1316.000	704.800	1377.000	708.100	1388.000
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	849.000	1395.000	1644.000	2233.000	1644.000	0.0	0.0	0.0	0.0
X1	5225.000	13.000	1283.000	1245.000	1175.000	1175.000	1175.000	0.0	-2.000	0.0
GR	782.700	1062.000	704.700	1100.000	704.700	1208.000	698.700	1215.000	698.000	1223.000
GR	693.900	1226.000	692.600	1235.000	693.000	1242.000	696.800	1245.000	698.600	1295.000
GR	732.400	1300.000	706.900	1400.000	714.300	1500.000	0.0	0.0	0.0	0.0
X1	3500.000	21.000	1800.000	1840.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	723.300	1070.000	701.300	1100.000	717.100	1200.000	712.200	1300.000	708.900	1400.000
GR	707.600	1500.000	706.300	1600.000	705.900	1700.000	691.800	1800.000	691.900	1806.000
GR	692.300	1813.000	696.400	1817.000	696.200	1832.000	701.200	1840.000	691.900	1845.000
GR	794.700	1660.000	705.900	1900.000	710.800	2000.000	715.600	2100.000	721.300	2200.000
GR	724.200	2245.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	0.900	1.500	2.500	0.0	40.000	0.010	392.000	0.0	0.0	0.0
X1	3321.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	704.300	705.300	0.0	0.0	0.0	0.0	0.0
BT	15.000	1070.000	723.300	0.0	1100.000	721.300	0.0	1200.000	717.100	0.0
BT	1597.000	712.300	0.0	1400.000	704.900	0.0	1500.000	707.600	0.0	1600.000
BT	756.300	0.0	1700.000	705.900	0.0	1800.000	706.700	704.800	1840.000	706.900
BT	704.700	1900.000	707.600	0.0	0.0	710.800	0.0	2100.000	715.600	0.0
BT	2270.000	721.300	0.0	2245.000	724.200	0.0	0.0	0.0	0.0	0.0
X1	639.000	13.000	1224.000	1245.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	710.700	1062.000	704.700	1100.000	704.700	1208.000	698.700	1215.000	698.000	1223.000
GR	693.900	1226.000	692.600	1235.000	693.000	1242.000	696.800	1245.000	698.600	1295.000
GR	732.400	1300.000	706.900	1400.000	714.300	1500.000	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	849.000	1395.000	1624.000	2107.000	1624.000	0.0	0.0	0.0	0.0
X1	6610.000	10.000	1370.000	1370.000	1204.000	1204.000	1204.000	0.0	-2.000	0.0
GR	700.000	1000.000	719.300	1100.000	715.300	1200.000	710.500	1300.000	710.900	1340.000
GR	700.200	1343.000	706.000	1370.000	706.000	1376.000	702.900	1381.000	703.500	1386.000
GR	707.900	1500.000	707.500	1505.000	710.400	1600.000	715.700	1500.000	715.700	1558.000
GR	700.000	1570.000	710.000	1.00.000	710.000	1700.000	0.0	0.0	0.0	0.0
X1	6070.000	23.000	1700.000	1700.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	731.700	1075.000	720.000	1100.000	724.300	1200.000	720.400	1300.000	716.300	1400.000
GR	714.300	1300.000	714.600	1500.000	707.200	1697.000	709.400	1700.000	707.500	1703.000
GR	700.000	1765.000	702.100	1709.000	702.500	1715.000	702.300	1716.000	703.100	1725.000
GR	707.700	1727.000	709.000	1736.000	714.100	1800.000	717.100	1900.000	720.300	2000.000
GR	724.500	2100.000	729.400	2200.000	730.300	2210.000	0.0	0.0	0.0	0.0
GR	0.900	1.500	2.500	0.0	36.000	0.010	241.000	0.0	0.0	0.0

X1	4700.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	711.000	714.000	0.0	0.0	0.0	0.0	0.0
BT	15.000	1075.000	731.700	0.0	1100.000	729.000	0.0	1200.000	724.900	0.0
BT	1300.000	720.000	0.0	1400.000	716.300	0.0	1500.000	714.300	0.0	1600.000
BT	714.000	0.0	1700.000	714.500	711.500	1736.000	714.600	711.600	1800.000	715.100
BT	0.0	1900.000	717.100	0.0	2000.000	720.300	0.0	2100.000	724.500	0.0
BT	2200.000	725.400	0.0	2210.000	730.300	0.0	0.0	0.0	0.0	0.0

X1	4775.000	18.000	1370.000	1390.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	724.400	1000.000	719.200	1100.000	715.800	1200.000	710.500	1300.000	710.900	1340.000
GR	706.200	1343.000	706.400	1370.000	704.400	1376.000	702.900	1381.000	703.500	1386.000
GR	707.900	1390.000	707.800	1395.000	710.400	1400.000	715.700	1500.000	715.700	1558.000
GR	700.600	1570.000	710.000	1500.000	714.000	1700.000	0.0	0.0	0.0	0.0
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	592.000	598.000	1193.000	1660.000	1193.000	0.0	0.0	0.0	0.0

X1	6175.000	12.000	1041.000	1064.000	1400.000	1400.000	1400.000	0.0	0.0	0.0
GR	731.100	1000.000	722.200	1010.000	719.900	1036.000	716.800	1041.000	712.000	1050.000
GR	711.900	1055.000	712.300	1060.000	714.500	1064.000	717.700	1100.000	718.000	1200.000
GR	717.400	1236.000	729.400	1259.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	392.000	637.000	758.000	1065.000	758.000	0.0	0.0	0.0	0.0

X1	6375.000	11.000	1236.000	1270.000	2200.000	2200.000	2200.000	0.0	0.0	0.0
GR	747.100	1010.000	735.100	1100.000	732.500	1200.000	729.600	1236.000	725.400	1254.000
GR	725.000	1257.000	725.400	1261.000	730.400	1270.000	731.000	1300.000	731.800	1352.000
GR	747.200	1400.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	290.000	420.000	480.000	630.000	420.000	0.0	0.0	0.0	0.0

X1	91.100	0.0	0.0	0.0	741.000	741.000	741.000	0.0	7.600	0.0
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X1	33.590	0.0	0.0	0.0	742.000	742.000	742.000	0.0	7.600	0.0
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X1	10500.000	14.000	1256.000	1282.000	742.000	742.000	742.000	0.0	-1.200	0.0
GR	774.600	1000.000	760.500	1017.000	762.000	1100.000	757.700	1200.000	754.500	1256.000
GR	748.900	1259.000	748.000	1266.000	748.900	1272.000	754.500	1282.000	757.300	1300.000
GR	759.100	1335.000	764.000	1348.000	767.800	1400.000	759.600	1423.000	0.0	0.0

X1	10550.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
NC	0.005	0.005	0.005	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	10700.000	20.000	1396.000	1403.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	707.600	1000.000	774.300	1134.000	768.200	1151.000	761.700	1234.000	757.400	1334.000
GR	750.200	1390.000	782.100	1396.500	789.600	1397.500	748.600	1400.000	749.600	1402.500
GR	752.100	1403.000	784.200	1416.000	787.000	1434.000	758.800	1469.000	764.100	1482.000
GR	767.500	1534.000	789.300	1557.000	777.600	1600.000	785.500	1700.000	788.000	1730.000
GR	0.900	1.000	2.500	0.0	7.000	0.010	38.470	0.0	0.0	0.0

X1	10750.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	755.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	13.000	1049.000	707.000	0.0	1100.000	705.200	0.0	1200.000	777.700	0.0
BT	1300.000	771.000	0.0	1396.500	769.300	752.100	1397.500	769.300	754.600	1400.000
BT	769.300	755.600	1402.500	769.300	754.100	1403.500	769.300	752.100	1500.000	771.800
BT	0.0	1600.000	777.600	0.0	1700.000	785.900	0.0	1730.000	788.000	0.0
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 ROWAN CO. BASIN C STREAM 1K UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IC	MINV	IDIP	STRI	NETRIC	HVINS	0	WSEL	FO
	-10.	3.	0.	0.	0.008000	0.0	0.0	0.	682.200	0.0
J2	UPROF	IPLOT	PRFVS	XSECV	XSECH	FI	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

COHV= 0.100 CEHV= 0.300
 *SECO 105.000

SECO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TYPE	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
105.00	6.98	682.38	0.0	682.20	683.88	1.49	0.0	0.0	679.20
1429.	36.	1374.	19.	12.	138.	0.	0.	0.	680.20
0.0	2.90	9.99	2.31	0.060	0.040	0.060	0.0	675.90	1094.20
0.008159	105.	105.	105.	0	0	3	0.0	39.45	1133.65

*SECO 180.000

3301 HV CHANGED MORE THAN HVINS

SECO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TYPE	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
180.00	7.94	683.73	0.0	0.0	684.41	0.67	0.45	0.08	690.20
1429.	9.	1429.	0.	0.	217.	0.	0.	0.	690.30
0.0	6.0	6.59	0.0	0.060	0.040	0.060	0.939	676.20	1475.00
0.006597	75.	75.	75.	3	0	0	0.0	44.81	1519.81

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XB	XFOR	COFC	PDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	62.00	2.60	456.00	0.0	676.20	676.20

*SECO 200.000
 CLASS A LOW FLOW

3420 BRIDGE P.S.= 682.72 BRIDGE VELOCITY= 3.20 CALCULATED CHANNEL AREA= 447.

EGPRS FGLWC H3 QWEIR QPR BAREA TRAPEZOID ELLC ELTRD

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

T1 ROWAN CO. BASIN C. STREAM 1K UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	TCHECK	INC	RINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.000000	0.0	0.0	0.	684.200	0.0
J2	HPROF	IPLGT	PPFVS	XSECV	XSECH	FB	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 3

CCHV= 0.100 CCHV= 0.300
 *SECD 105.000

SECD	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	ALOB	PCB	ORCB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	X/L	XNCH	XNR	WTM	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
105.00	7.00	682.93	0.0	684.20	684.62	1.64	0.0	0.0	679.20
1693.	56.	1601.	36.	17.	152.	14.	0.	0.	680.20
0.0	3.21	10.55	2.68	0.060	0.040	0.060	0.0	675.90	1092.75
0.007975	105.	105.	105.	0	0	4	0.0	42.98	1135.72

*SECD 130.000

5301 HV CHANGED MORE THAN HVTHS

SECD	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
130.00	2.24	684.44	0.0	0.0	685.15	0.72	0.44	0.09	690.20
1693.	0.	1693.	0.	0.	249.	0.	0.	0.	690.30
0.00	0.0	5.79	0.0	0.060	0.040	0.060	0.039	676.20	1475.00
0.004507	75.	75.	75.	3	0	0	0.0	48.39	1523.39

SPECIAL BRIDGE

5070, VARIABLE ELCHD OR ELCHD ON CARD SB NOT SPECIFIED

SECD	XZ	XZC	COFO	HOLEM	BWC	BWP	BARLA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	62.00	2.60	456.00	0.0	676.20	676.20

*SECD 206.000
 CLASS A LOW FLO:

5420 BRIDGE W.S.= 684.42 BRIDGE VELOCITY= 3.47 CALCULATED CHANNEL AREA= 488.

EGPRS FGLNC H3 QWEIR QPR BAREA TRAPEZOID ELLC ELTRD

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

11 ROWAN CO. BASIN C STREAM 1K UNNAMED STREAM
 12 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-Q JOB NO. 6918
 13 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INC	RTM	TDIV	STRT	METRIC	DIVLS	Q	WSEL	FQ
	-15.	5.	0.	0.	0.003000	0.0	0.0	0.	685.200	0.0
J2	MPROF	IPLOT	PREVS	YSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 4

CCHV= 0.100 CCHV= 0.300
 *SECHO 105.000

SECHO	DEPTH	CHSEL	CRTVS	WSELK	EG	HV	HL	LOSS	RANK	ELEV
Q	VLGR	YCH	VROR	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLGR	YCH	VROR	XML	XUCH	XNR	WTM	ELMIN	SSTA	
SLOPE	XLOB	YLOH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
105.00	8.23	684.13	0.0	685.20	686.10	1.95	0.0	0.0	679.20	
2316.	114.	2111.	91.	30.	179.	27.	0.	0.	680.20	
0.0	3.84	11.77	3.37	0.060	0.040	0.060	0.0	675.90	1089.77	
0.007958	115.	105.	105.	0	0	4	0.0	49.97	1139.74	

*SECHO 100.000

3301 BY CHANGED MORE THAN HVIES

SECHO	DEPTH	CHSEL	CRTVS	WSELK	EG	HV	HL	LOSS	RANK	ELEV
100.00	9.66	685.25	0.0	0.0	686.65	0.30	0.43	0.12	690.20	
2316.	0.	2316.	0.	0.	323.	0.	0.	0.	690.30	
0.00	0.0	7.17	0.0	0.060	0.040	0.040	0.039	676.20	1475.00	
0.004328	75.	75.	75.	5	0	0	0.0	55.63	1530.63	

SPECIAL BRIDGE

5070 VARIABLE ELCHD OR ELCHD ON CARD SB NOT SPECIFIC

SP	YR	XCOR	COFO	ROLEN	HWC	WSP	BAREA	SS	ELCHD	ELCHD
1.25	1.50	2.50	0.0	62.00	2.60	456.00	0.0	676.20	676.20	

*SECHO 200.000
 CLASS A LOW FLO

5420 BRIDGE H.S.= 685.63 BRIDGE VELOCITY= 4.05 CALCULATED CHANNEL AREA= 572.

EGPRS	EGLHC	H3	QWEIR	QPR	BAREA	TRAPEZOID	ELLC	ELTRD
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 NOAA RELEASE 08150 NOV 76 UPDATED FEB 1977
 ERROR CORR - 01 7
 MODIFICATION - 00, 01, 02

NOTE - ARIERID (4) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

677.4
 677.4

SECTION	YLOM	ELTID	ELLC	Q	ELTID	CASEL	CPIWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 105.000	105.00	0.0	0.0	854.00	675.90	680.98	0.0	8.15	1097.65	1128.72	108.67	0.0
105.000	105.00	0.0	0.0	1429.00	675.90	682.38	0.0	9.99	1094.20	1133.65	158.31	1.41
105.000	105.00	0.0	0.0	1693.00	675.90	682.98	0.0	10.55	1092.75	1135.72	182.77	0.59
105.000	105.00	0.0	0.0	2316.00	675.90	684.13	0.0	11.77	1089.77	1139.74	235.98	1.15
109.000	75.00	0.0	0.0	854.00	675.20	681.96	0.0	5.88	1475.00	1512.50	145.33	0.0
109.000	75.00	0.0	0.0	1429.00	675.20	683.73	0.0	6.59	1475.00	1519.81	216.79	1.77
109.000	75.00	0.0	0.0	1693.00	675.20	684.44	0.0	6.79	1475.00	1523.39	249.42	0.70
109.000	75.00	0.0	0.0	2316.00	675.20	685.45	0.0	7.17	1475.00	1530.63	323.13	1.42
209.000	20.00	600.70	600.60	854.00	676.20	682.05	0.0	5.76	1475.00	1512.60	148.37	0.0
209.000	20.00	600.70	600.60	1429.00	676.20	683.54	0.0	6.44	1475.00	1520.38	221.77	1.79
209.000	20.00	600.70	600.60	1693.00	676.20	684.55	0.0	6.64	1475.00	1523.98	255.06	0.71
209.000	20.00	600.70	600.60	2316.00	676.20	685.98	0.0	7.01	1475.00	1531.28	330.25	1.43
B 275.000	75.00	0.0	0.0	854.00	676.50	682.24	0.0	6.98	1096.02	1131.04	130.57	0.0
275.000	75.00	0.0	0.0	1429.00	676.50	683.92	0.0	8.36	1091.91	1136.92	197.81	1.68
275.000	75.00	0.0	0.0	1693.00	676.50	684.53	0.0	8.82	1090.30	1139.22	228.72	0.66
275.000	75.00	0.0	0.0	2316.00	676.50	686.04	0.0	9.15	1078.03	1228.57	362.32	1.46
C 1009.000	725.00	0.0	0.0	864.00	681.00	686.33	0.0	6.96	1234.69	1268.05	124.17	0.0
1009.000	725.00	0.0	0.0	1434.00	681.00	687.93	686.48	7.83	1192.00	1407.72	194.06	1.60
1009.000	725.00	0.0	0.0	1697.00	681.00	688.53	686.97	7.67	1171.44	1421.59	297.69	0.60
1009.000	725.00	0.0	0.0	2316.00	681.00	689.97	0.0	7.19	1138.97	1443.48	543.70	0.94
D 2059.000	1050.00	0.0	0.0	859.00	684.00	690.22	0.0	4.41	1033.10	1079.91	199.93	0.0
2059.000	1050.00	0.0	0.0	1434.00	684.00	691.45	0.0	5.37	1027.26	1087.70	290.08	1.63
2059.000	1050.00	0.0	0.0	1694.00	684.00	692.29	0.0	5.88	1025.86	1088.59	317.51	0.45
2059.000	1050.00	0.0	0.0	2307.00	684.00	692.93	0.0	7.22	1024.96	1089.84	357.45	0.63
E 3225.000	1175.00	0.0	0.0	849.00	690.00	695.64	695.64	9.87	1223.26	1268.34	94.14	0.0
3225.000	1175.00	0.0	0.0	1395.00	690.00	697.13	697.13	9.93	1214.50	1295.70	195.03	1.49
3225.000	1175.00	0.0	0.0	1644.00	690.00	697.51	697.51	10.32	1214.05	1296.20	226.30	0.38
3225.000	1175.00	0.0	0.0	2233.00	690.00	698.12	698.12	11.66	1213.34	1297.00	276.94	0.61
3300.000	75.00	0.0	0.0	849.00	691.00	697.51	0.0	4.42	1759.52	1851.57	243.59	0.0
3300.000	75.00	0.0	0.0	1395.00	691.00	698.63	0.0	5.29	1751.50	1852.90	345.39	1.12
3300.000	75.00	0.0	0.0	1644.00	691.00	699.02	0.0	5.68	1748.79	1853.34	382.79	0.39
3300.000	75.00	0.0	0.0	2233.00	691.00	699.07	0.0	6.36	1742.76	1854.34	471.44	0.85

SCU	YUCH	ELTPO	ELLC	Q	ELMIN	CASEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
3321.000	21.00	704.90	704.80	849.00	691.80	697.51	0.0	4.42	1759.52	1851.57	243.61	0.0
3321.000	21.00	704.90	704.80	1395.00	691.80	698.63	0.0	5.30	1751.55	1852.89	344.67	1.12
3321.000	21.00	704.90	704.80	1644.00	691.80	699.02	0.0	5.68	1749.79	1853.34	382.80	0.39
3321.000	21.00	704.90	704.80	2233.00	691.80	699.87	0.0	6.36	1742.76	1854.34	471.48	0.85
3324.000	75.00	0.0	0.0	849.00	692.90	697.64	697.64	9.88	1223.26	1268.30	94.07	0.0
3324.000	75.00	0.0	0.0	1395.00	692.90	699.13	699.13	9.92	1214.50	1295.70	195.21	1.49
3324.000	75.00	0.0	0.0	1644.00	692.90	699.46	699.46	10.48	1214.11	1296.13	222.23	0.33
3324.000	75.00	0.0	0.0	2233.00	692.90	700.13	700.13	11.65	1213.34	1297.01	277.20	0.66
4600.100	1204.00	0.0	0.0	849.00	700.90	706.44	0.0	6.73	1341.25	1577.24	170.92	0.0
4600.000	1204.00	0.0	0.0	1381.00	700.90	707.79	0.0	8.46	1340.71	1595.59	234.97	0.86
4600.000	1204.00	0.0	0.0	1624.00	700.90	708.21	0.0	8.83	1340.44	1604.40	272.94	0.42
4600.000	1204.00	0.0	0.0	2197.00	700.90	709.05	0.0	9.41	1289.64	1621.86	382.82	0.84
4675.000	75.00	0.0	0.0	848.00	702.10	706.86	0.0	9.11	1703.28	1726.63	93.12	0.0
4675.000	75.00	0.0	0.0	1381.00	702.10	709.02	702.02	11.32	1685.35	1729.19	126.46	1.16
4675.000	75.00	0.0	0.0	1624.00	702.10	708.88	708.88	10.60	1672.98	1735.20	170.04	0.87
4675.000	75.00	0.0	0.0	2197.00	702.10	709.82	709.82	11.14	1659.63	1744.60	238.35	0.94
4700.000	25.00	714.00	711.60	848.00	702.10	706.86	0.0	9.11	1703.28	1726.63	93.12	0.0
4700.000	25.00	714.00	711.60	1381.00	702.10	706.02	0.0	11.31	1685.31	1729.21	126.60	1.16
4700.000	25.00	714.00	711.60	1624.00	702.10	708.89	0.0	10.60	1672.95	1735.21	170.18	0.87
4700.000	25.00	714.00	711.60	2197.00	702.10	710.62	0.0	9.10	1648.20	1753.01	314.38	1.73
4775.000	75.00	0.0	0.0	848.00	702.90	707.96	707.96	9.55	1341.88	1395.31	116.19	0.0
4775.000	75.00	0.0	0.0	1381.00	702.90	709.89	0.0	8.24	1340.65	1597.54	242.85	1.93
4775.000	75.00	0.0	0.0	1624.00	702.90	710.39	0.0	8.43	1340.33	1607.83	289.15	0.50
4775.000	75.00	0.0	0.0	2197.00	702.90	711.47	0.0	8.28	1281.69	1630.63	463.37	1.09
6175.000	1400.00	0.0	0.0	592.00	711.90	717.40	0.0	5.24	1040.04	1096.59	144.16	0.0
6175.000	1400.00	0.0	0.0	998.00	711.90	717.62	0.0	8.24	1039.67	1236.42	158.71	0.22
6175.000	1400.00	0.0	0.0	1193.00	711.90	718.05	718.05	8.43	1038.99	1237.24	215.34	0.42
6175.000	1400.00	0.0	0.0	1666.00	711.90	718.68	718.68	8.75	1037.97	1238.46	341.94	0.64
8375.000	2200.00	0.0	0.0	392.00	725.00	728.60	0.0	7.14	1240.30	1266.76	54.90	0.0
8375.000	2200.00	0.0	0.0	637.00	725.00	730.66	0.0	5.23	1222.73	1283.43	129.13	2.07
8375.000	2200.00	0.0	0.0	758.00	725.00	730.94	0.0	5.72	1219.43	1296.72	147.48	0.27
8375.000	2200.00	0.0	0.0	1065.00	725.00	731.47	0.0	6.71	1212.78	1330.60	199.55	0.53
91.14	741.00	0.0	0.0	290.00	732.60	736.35	0.0	4.82	1239.45	1267.11	60.22	0.0
91.150	741.00	0.0	0.0	420.00	732.60	736.07	736.07	8.14	1240.84	1266.53	51.57	-0.32
91.150	741.00	0.0	0.0	480.00	732.60	736.29	736.29	8.37	1239.90	1266.92	57.37	0.22
91.150	741.00	0.0	0.0	630.00	732.60	736.73	736.73	8.83	1237.80	1267.80	71.34	0.49
94.39	742.00	0.0	0.0	290.00	741.20	743.29	0.0	6.86	1242.47	1265.84	42.25	0.0
94.39	742.00	0.0	0.0	420.00	741.20	744.51	0.0	5.36	1236.83	1268.21	78.31	1.32
94.39	742.00	0.0	0.0	480.00	741.20	744.84	0.0	5.58	1235.44	1268.64	85.97	0.23
94.39	742.00	0.0	0.0	630.00	741.20	745.31	0.0	6.18	1229.52	1269.50	103.39	0.47
10500.000	742.00	0.0	0.0	290.00	747.70	750.45	0.0	5.31	1257.26	1277.81	54.56	0.0
10500.000	742.00	0.0	0.0	420.00	747.70	751.00	0.0	7.57	1257.23	1277.89	55.52	0.04
10500.000	742.00	0.0	0.0	480.00	747.70	751.25	0.0	7.88	1257.10	1278.35	50.90	0.26
10500.000	742.00	0.0	0.0	630.00	747.70	751.61	0.0	6.62	1256.80	1279.34	73.10	0.56

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SECNO	XLCP	ELTPO	ELLC	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
10650.000	50.00	0.0	0.0	290.00	748.20	751.27	0.0	5.73	1257.36	1277.46	50.65	0.0
10650.000	50.00	0.0	0.0	420.00	748.20	751.73	0.0	6.95	1257.11	1278.31	60.46	0.46
10650.000	50.00	0.0	0.0	480.00	748.20	752.01	0.0	7.22	1256.96	1278.81	66.51	0.28
10650.000	50.00	0.0	0.1	530.00	748.20	752.62	0.0	7.86	1256.63	1279.90	80.17	0.61
10700.000	50.00	0.0	0.0	290.00	748.60	753.70	753.70	8.50	1391.55	1413.02	40.28	0.0
10700.000	50.00	0.0	0.0	420.00	748.60	754.48	754.48	8.71	1385.09	1417.80	60.39	0.78
10700.000	50.00	0.0	0.0	480.00	748.60	754.72	754.72	8.85	1380.89	1419.35	68.94	0.24
10700.000	50.00	0.0	0.0	630.00	748.60	755.18	755.18	9.28	1372.81	1422.31	89.24	0.46
10750.000	50.00	759.30	755.60	290.00	748.60	753.71	0.0	8.56	1391.53	1413.06	40.40	0.0
10750.000	50.00	759.30	755.60	420.00	748.60	754.48	0.0	8.69	1385.01	1417.83	60.54	0.78
10750.000	50.00	759.30	755.60	480.00	748.60	754.32	0.0	1.78	1312.64	1459.64	375.93	3.83
10750.000	50.00	759.30	755.60	630.00	748.60	761.42	0.0	0.85	1240.31	1475.45	980.94	3.10
10800.000	50.00	0.0	0.0	290.00	748.90	754.70	0.0	2.49	1251.04	1283.82	117.53	0.0
10800.000	50.00	0.0	0.0	420.00	748.90	755.44	0.0	3.11	1239.59	1288.03	144.11	0.66
10800.000	50.00	0.0	0.0	480.00	748.90	758.31	0.0	1.82	1185.63	1319.74	390.34	2.88
10800.000	50.00	0.0	0.1	630.00	748.90	761.42	0.0	1.16	1113.52	1340.69	966.37	3.10
10850.000	50.00	0.0	0.0	290.00	749.20	754.01	0.0	2.65	1255.79	1282.08	109.52	0.0
10850.000	50.00	0.0	0.0	420.00	749.20	755.48	0.0	3.29	1244.16	1286.35	132.28	0.66
10850.000	50.00	0.0	0.0	480.00	749.20	758.32	0.0	1.96	1192.51	1314.05	352.90	2.84
10850.000	50.00	0.0	0.0	630.00	749.20	761.42	0.0	1.23	1120.46	1339.96	899.74	3.10
13030.000	2240.00	0.0	0.0	100.00	806.00	809.35	809.35	6.61	1159.25	1161.60	16.34	0.0
13030.000	2240.00	0.0	0.0	219.00	806.00	810.21	810.21	7.62	1147.14	1163.45	28.74	0.87
13030.000	2240.00	0.0	0.0	285.00	806.00	810.60	810.60	8.04	1146.19	1164.29	35.43	0.39
13030.000	2240.00	0.0	0.0	450.00	806.00	811.40	811.40	8.90	1144.24	1166.03	51.44	0.80

SUMMARY OF ERRORS

CAUTION SECNO= 3225.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3225.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3225.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3225.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3225.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3225.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3225.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 3396.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3396.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3396.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3396.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3396.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3396.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3396.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3396.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3396.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3396.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3396.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION	SECNO= 8395.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8375.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8375.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8375.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8375.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8375.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8375.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8375.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8375.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8375.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8775.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8775.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8775.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8175.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8175.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8175.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8175.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 91.160	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 91.160	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 91.160	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 91.160	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 91.160	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 91.160	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 91.160	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10700.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10700.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10700.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE RETIRED BASE FLOOD ANOD		
		100	20	0.20
100.000	0.	-2.0	-0.6	1.1
100.000	75.	-2.5	-0.7	1.0
200.000	95.	-2.5	-0.7	1.4
275.000	170.	-2.3	-0.7	1.5
1000.000	395.	-2.2	-0.6	0.9
2050.000	1945.	-2.1	-0.4	0.6
3225.000	4120.	-1.9	-0.4	0.6
3300.000	3155.	-1.5	-0.4	0.9
3321.000	3216.	-1.5	-0.4	0.9
3395.000	3291.	-1.2	-0.3	0.7
4500.000	4495.	-1.7	-0.4	0.8
4575.000	4570.	-2.0	-0.9	0.9
4700.000	4595.	-2.0	-0.9	1.7
4775.000	4570.	-2.0	-0.5	1.1
6175.000	6070.	-0.6	-0.4	0.6
8375.000	8270.	-2.3	-0.3	0.5
91.150	8911.	0.1	-0.2	0.5
92.500	8753.	-1.6	-0.2	0.5
10500.000	10495.	-0.3	-0.3	0.6
10550.000	10545.	-0.7	-0.3	0.6
10700.000	10595.	-1.0	-0.2	0.5
10750.000	10645.	-0.4	-3.8	3.1
10800.000	10695.	-3.2	-2.9	3.1
10850.000	10745.	-3.0	-2.0	3.1
13000.000	12985.	-1.3	-0.4	0.8
WEIGHTED AVG. FOR REACH		-1.7	-0.6	0.9

FHI FOR THE REACH = 0.15 WITH 35% OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = 0.5

CONTINUED FLOOD HAZARD FACTORS BY ELEV. INCREMENTS

INC. NO.	TOTAL LENGTH	AVG. ELEVATION DATA 100	HT. DIFF.	WTG. AVG.	FHI	PERCENT WITHIN
1	100.	661.7	634.0	-2.3	0.25	100.
2	200.	602.3	654.7	-2.3	0.25	100.
3	300.	602.7	655.1	-2.3	0.25	100.
4	412.	653.3	605.6	-2.3	0.25	100.

60	4188.	717.7	718.0	-0.3	-1.9	025	100.
5	515.	683.9	686.2	-2.3	-2.3	025	100.
6	618.	684.5	686.7	-2.3	-2.3	025	100.
7	721.	685.1	687.3	-2.2	-2.3	025	100.
8	824.	685.6	687.9	-2.2	-2.3	025	100.
	927.					SEC. 1000.000	
9	927.	686.2	688.4	-2.2	-2.3	025	100.
10	1030.	686.5	688.8	-2.2	-2.3	025	100.
11	1133.	687.0	689.2	-2.2	-2.3	025	100.
12	1236.	687.5	689.6	-2.2	-2.3	025	100.
13	1339.	687.8	689.9	-2.2	-2.2	020	100.
14	1442.	688.2	690.3	-2.1	-2.2	020	100.
15	1545.	688.5	690.7	-2.1	-2.2	020	100.
16	1648.	688.8	691.0	-2.1	-2.2	020	100.
17	1751.	689.3	691.4	-2.1	-2.2	020	100.
18	1854.	689.7	691.8	-2.1	-2.2	020	100.
	1957.					SEC. 2050.000	
19	1957.	690.1	692.2	-2.1	-2.2	020	100.
20	2060.	690.5	692.6	-2.1	-2.2	020	100.
21	2163.	691.0	693.0	-2.0	-2.2	020	100.
22	2266.	691.5	693.5	-2.0	-2.2	020	100.
23	2369.	691.9	693.9	-2.0	-2.2	020	100.
24	2472.	692.4	694.4	-2.0	-2.2	020	100.
25	2575.	692.8	694.8	-2.0	-2.2	020	100.
26	2678.	693.3	695.3	-2.0	-2.2	020	100.
27	2781.	693.7	695.7	-1.9	-2.1	020	100.
28	2884.	694.2	696.2	-1.9	-2.1	020	100.
29	2987.	694.6	696.7	-1.9	-2.1	020	100.
30	3090.	695.1	697.1	-1.9	-2.1	020	100.
	3193.					SEC. 3225.000	
31	3193.	695.5	697.5	-1.7	-2.1	020	100.
	3296.					SEC. 3300.000	
	3316.					SEC. 3321.000	
	3391.					SEC. 3326.000	
32	3396.	697.7	699.5	-1.8	-2.1	020	100.
33	3499.	698.1	699.9	-1.8	-2.1	020	100.
34	3602.	698.5	700.4	-1.8	-2.1	020	100.
35	3705.	699.7	701.4	-1.7	-2.1	020	100.
36	3808.	700.5	702.1	-1.7	-2.1	020	100.
37	3911.	701.3	702.9	-1.6	-2.0	020	100.
38	4014.	702.1	703.7	-1.6	-2.0	020	100.
39	4117.	702.9	704.4	-1.5	-2.0	020	100.
40	4220.	703.7	705.1	-1.5	-2.0	020	100.
41	4323.	704.5	705.9	-1.4	-2.0	020	95.
42	4426.	705.2	706.6	-1.4	-2.0	020	95.
43	4529.	706.0	707.4	-1.4	-2.0	020	95.
	4632.					SEC. 4600.000	
44	4632.	706.7	708.1	-1.5	-1.9	020	93.
	4735.					SEC. 4675.000	
	4838.					SEC. 4700.000	
45	4838.	707.4	709.3	-2.1	-2.0	020	93.
	4941.					SEC. 4775.000	
46	4941.	707.8	710.2	-2.3	-2.0	020	95.
47	5044.	708.5	711.0	-2.3	-2.0	020	95.
48	5147.	709.2	711.7	-2.1	-2.0	020	92.
49	5250.	710.2	712.9	-2.0	-2.0	020	92.
50	5353.	710.9	712.7	-1.9	-2.0	020	92.
51	5456.	711.5	713.4	-1.7	-2.0	020	96.
52	5559.	712.2	713.9	-1.6	-2.0	020	94.
53	5662.	712.8	714.5	-1.5	-2.0	020	94.
54	5765.	713.5	715.0	-1.4	-1.9	020	93.
55	5868.	714.1	715.7	-1.2	-1.9	020	91.
56	5971.	715.0	716.4	-1.1	-1.9	020	91.
57	6074.	715.7	716.7	-1.0	-1.9	020	89.
58	6177.	716.5	717.2	-0.8	-1.9	020	88.
	6280.					SEC. 6175.000	
59	6277.	717.1	717.8	-0.7	-1.9	020	90.

Reach 1
 Zone A4
 Sta. 0400 to 61475

60	6180.	717.7	718.0	-0.3	-1.8	020	88.
61	6283.	718.2	719.0	-0.8	-1.8	020	84.
62	6386.	718.7	719.6	-0.9	-1.8	020	82.
63	6489.	719.2	720.2	-1.0	-1.8	020	79.
64	6592.	719.8	720.8	-1.0	-1.8	020	75.
65	6695.	720.3	721.4	-1.1	-1.8	020	72.
66	6798.	720.8	722.0	-1.2	-1.8	020	70.
67	6901.	721.4	722.6	-1.2	-1.8	020	69.
68	7004.	721.9	723.2	-1.3	-1.7	015	69.
69	7107.	722.4	723.8	-1.4	-1.7	015	70.
70	7210.	722.9	724.4	-1.5	-1.7	015	70.
71	7313.	723.4	725.0	-1.6	-1.7	015	70.
72	7416.	724.0	725.7	-1.7	-1.7	015	71.
73	7519.	724.6	726.2	-1.7	-1.7	015	71.
74	7622.	725.2	726.8	-1.6	-1.7	015	72.
75	7725.	725.8	727.4	-1.6	-1.7	015	72.
76	7828.	726.4	728.0	-1.6	-1.7	015	72.
77	7931.	727.0	728.6	-1.6	-1.7	015	73.
78	8034.	727.6	729.2	-1.6	-1.7	015	73.
79	8137.	728.2	729.8	-1.6	-1.7	015	73.
80	8240.	728.8	730.4	-1.6	-1.7	015	73.
SEC. 8375.000							
81	8343.	729.4	731.1	-1.7	-1.7	015	73.
82	8446.	729.9	731.7	-1.8	-1.7	015	74.
83	8549.	730.5	732.3	-1.8	-1.7	015	73.
84	8652.	731.1	732.9	-1.8	-1.7	015	73.
85	8755.	731.7	733.5	-1.8	-1.7	015	73.
86	8858.	732.3	734.1	-1.8	-1.7	015	74.
87	8961.	732.9	734.7	-1.8	-1.7	015	72.
88	9064.	733.5	735.3	-1.8	-1.7	015	71.
SEC. 91.160							
89	9167.	734.1	736.0	-1.9	-1.7	015	68.
90	9270.	734.7	736.6	-1.9	-1.7	015	64.
91	9373.	735.3	737.2	-1.9	-1.7	015	63.
92	9476.	735.9	737.8	-1.9	-1.7	015	62.
93	9579.	736.5	738.4	-1.9	-1.6	015	61.
94	9682.	737.1	739.0	-1.9	-1.6	015	58.
95	9785.	737.7	739.6	-1.9	-1.6	015	59.
SEC. 98.590							
96	9888.	738.3	740.2	-1.9	-1.6	015	58.
97	9991.	738.9	740.8	-1.9	-1.6	015	56.
98	10094.	739.5	741.4	-1.9	-1.6	015	58.
99	10197.	740.1	742.0	-1.9	-1.6	015	57.
100	10300.	740.7	742.6	-1.9	-1.6	015	55.
101	10403.	741.3	743.2	-1.9	-1.6	015	54.
102	10506.	741.9	743.8	-1.9	-1.6	015	54.
SEC. 10600.000							
103	10609.	742.5	744.4	-1.9	-1.6	015	53.
SEC. 10650.000							
SEC. 10700.000							
SEC. 10750.000							
SEC. 10800.000							
104	10812.	743.1	745.0	-1.9	-1.6	015	52.
SEC. 10850.000							
105	10915.	743.7	745.6	-1.9	-1.6	015	54.
106	11018.	744.3	746.2	-1.9	-1.6	015	54.
107	11121.	744.9	746.8	-1.9	-1.7	015	57.
108	11224.	745.5	747.4	-1.9	-1.7	015	57.
109	11327.	746.1	748.0	-1.9	-1.7	015	57.
110	11430.	746.7	748.6	-1.9	-1.7	015	57.
111	11533.	747.3	749.2	-1.9	-1.7	015	59.
112	11636.	747.9	749.8	-1.9	-1.7	015	59.
113	11739.	748.5	750.4	-1.9	-1.7	015	59.
114	11842.	749.1	751.0	-1.9	-1.7	015	59.
115	11945.	749.7	751.6	-1.9	-1.7	015	58.
116	12048.	750.3	752.2	-1.9	-1.7	015	58.

(17)(5) + 17(5)

-1.9(58) + 1.7(76)

18

117	12051.	785.4	787.6	-2.2	-1.7	015	56.
118	12154.	787.9	790.0	-2.1	-1.7	015	57.
119	12257.	790.4	792.4	-2.0	-1.7	015	59.
120	12360.	792.9	794.8	-1.9	-1.7	015	58.
121	12463.	795.4	797.2	-1.8	-1.7	015	58.
122	12566.	797.9	799.6	-1.7	-1.7	015	58.
123	12669.	800.4	802.0	-1.6	-1.7	015	59.
124	12772.	802.9	804.4	-1.5	-1.7	015	60.
125	12875.	805.4	806.8	-1.4	-1.7	015	59.
126	12978.	807.9	809.2	-1.3	-1.7	015	60.
	12985.						

SEC. 13090.000

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 202 WHERE 2 IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 62 126
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

REC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION - 50,91,52

EJ

GR	678,400	1121,000	600,500	1126,000	644,500	1140,000	685,400	1200,000	686,600	1300,000
GR	648,000	1400,000	690,000	1500,000	0,0	0,0	0,0	0,0	0,0	0,0
GC	0,000	0,000	0,000	0,100	0,300	0,0	0,0	0,0	0,0	0,0
GT	8,000	864,000	1034,000	1697,000	2318,000	1697,000	1697,000	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	7,100	1172,000	1421,000	0,0	0,0
X1	1000,000	14,000	1229,000	1273,000	725,000	725,000	725,000	0,0	0,0	0,0
GR	704,000	1000,000	690,600	1100,000	687,700	1200,000	690,000	1229,000	681,600	1242,000
GR	631,000	1250,000	681,300	1258,000	640,600	1273,000	688,200	1300,000	687,600	1400,000
GR	601,000	1500,000	685,600	1400,000	700,100	1700,000	793,900	1800,000	0,0	0,0
GC	0,000	0,000	0,000	0,100	0,300	0,0	0,0	0,0	0,0	0,0
GT	8,000	864,000	1034,000	1694,000	2307,000	1694,000	1694,000	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	7,100	1026,000	1088,000	0,0	0,0
X1	1000,000	15,000	1000,000	1000,000	1050,000	1050,000	1050,000	0,0	0,0	0,0
GR	710,300	1000,000	692,300	1026,000	686,300	1040,000	684,400	1053,000	684,100	1063,000
GR	630,000	1073,000	690,300	1030,000	690,500	1085,000	694,000	1092,000	693,700	1100,000
GR	670,000	1200,000	685,000	1300,000	703,100	1316,000	704,800	1377,000	708,100	1368,000
GC	0,000	0,000	0,000	0,100	0,300	0,0	0,0	0,0	0,0	0,0
GT	8,000	864,000	1034,000	1694,000	2232,000	1694,000	1694,000	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	7,100	1214,000	1296,000	0,0	0,0
X1	700,000	13,000	223,000	1245,000	1175,000	1175,000	1175,000	0,0	-2,000	0,0
GR	700,700	1062,000	704,700	1100,000	704,700	1200,000	698,700	1215,000	698,000	1223,000
GR	630,000	1226,000	692,000	1035,000	693,000	1242,000	696,800	1245,000	698,600	1295,000
GR	700,000	1500,000	706,000	1400,000	714,300	1500,000	0,0	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	-10,400	0,0	0,0	0,0	0,0
X1	6000,000	121,000	6000,000	1040,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	710,300	1070,000	721,300	1100,000	717,100	1200,000	712,200	1300,000	708,900	1400,000
GR	717,600	1000,000	706,300	1000,000	705,900	1700,000	691,000	1800,000	691,900	1806,000
GR	690,000	1112,000	696,000	1417,000	696,200	1832,000	701,200	1840,000	691,900	1845,000
GR	700,700	1500,000	705,000	1000,000	710,600	2000,000	715,600	2100,000	721,300	2200,000
GC	0,000	0,000	0,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0
SE	0,900	1,500	2,500	0,0	0,000	0,010	302,000	0,0	0,0	0,0
X1	6321,000	0,0	0,0	0,0	21,000	21,000	21,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	704,800	705,000	0,0	0,0	0,0	0,0	0,0
BT	1,000	1070,000	703,300	0,0	1100,000	721,300	0,0	1200,000	717,100	0,0
BT	1310,000	710,000	0,0	1300,000	706,900	0,0	1500,000	707,600	0,0	1600,000
BT	700,300	0,0	1700,000	705,900	0,0	1800,000	706,700	704,800	1840,000	706,900
BT	700,700	1000,000	707,000	0,0	2000,000	710,800	0,0	2100,000	715,600	0,0
BT	2200,000	701,000	0,0	2205,000	724,200	0,0	0,0	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	7,100	1214,000	1296,000	0,0	0,0
X1	6000,000	13,000	1221,000	1245,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	700,700	1062,000	704,700	1100,000	704,700	1200,000	698,700	1215,000	698,000	1223,000
GR	630,000	1226,000	692,000	1035,000	693,000	1242,000	696,800	1245,000	698,600	1295,000
GR	700,000	1500,000	706,000	1400,000	710,300	1500,000	0,0	0,0	0,0	0,0
GC	0,000	0,000	0,000	0,100	0,300	0,0	0,0	0,0	0,0	0,0
GT	8,000	864,000	1034,000	1624,000	2107,000	1624,000	1624,000	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	7,100	1341,000	1604,000	0,0	0,0
X1	6000,000	10,000	1270,000	1300,000	1200,000	1204,000	1204,000	0,0	-2,000	0,0
GR	700,400	1000,000	719,200	1100,000	715,600	1200,000	710,500	1300,000	710,900	1340,000
GR	706,200	1343,000	706,400	1370,000	706,400	1376,000	702,900	1381,000	703,500	1386,000
GR	707,900	1300,000	707,600	1395,000	710,400	1400,000	715,700	1500,000	715,700	1558,000
GR	700,600	1570,000	710,000	1600,000	714,800	1700,000	0,0	0,0	0,0	0,0
ET	8,000	0,0	0,0	0,0	0,0	-10,400	0,0	0,0	0,0	0,0

X1	6675.000	23.000	1700.000	1736.000	75.000	75.000	75.000	0.0	0.0	0.0
SP	731.700	1075.000	729.000	1100.000	724.900	1200.000	720.400	1300.000	716.300	1400.000
SR	714.300	1500.000	714.000	1600.000	707.200	1697.000	709.400	1700.000	707.500	1703.000
GR	702.900	1705.100	702.100	1709.000	702.500	1715.000	702.300	1716.000	703.100	1725.000
GP	707.700	1727.000	709.000	1736.000	715.100	1800.000	717.100	1900.000	720.300	2000.000
SR	724.500	2100.000	729.000	2200.000	730.300	2210.000	0.0	0.0	0.0	0.0
SR	0.500	1.500	2.500	0.0	35.000	0.010	241.000	0.0	0.0	0.0

X1	6700.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	711.600	714.900	0.0	0.0	0.0	0.0	0.0
BT	10.000	1075.000	731.700	0.0	1100.000	729.000	0.0	1200.000	724.900	0.0
BT	1000.000	720.000	0.0	1600.000	710.300	0.0	1500.000	714.300	0.0	1600.000
BT	710.000	0.0	1700.000	714.500	711.500	1736.000	714.600	711.600	1800.000	715.100
M	0.0	1200.000	717.100	0.0	2000.000	720.300	0.0	2100.000	724.500	0.0
BT	1000.000	729.000	0.0	2210.000	730.300	0.0	0.0	0.0	0.0	0.0
BT	0.000	0.0	0.0	0.0	0.0	7.100	1341.000	1607.000	0.0	0.0

X1	6775.000	0.0	1370.000	1390.000	75.000	75.000	75.000	0.0	0.0	0.0
SP	731.700	1075.000	719.200	1100.000	715.000	1200.000	710.500	1300.000	710.900	1340.000
SR	714.300	1500.000	716.000	1570.000	704.400	1376.000	702.900	1381.000	703.500	1386.000
SR	707.200	1705.100	707.500	1709.000	710.400	1400.000	715.700	1500.000	715.700	1558.000
GR	702.900	1705.100	710.000	1600.000	714.500	1700.000	0.0	0.0	0.0	0.0
GP	707.700	1727.000	709.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
SR	724.500	2100.000	729.000	1103.000	1068.000	1103.000	1103.000	0.0	0.0	0.0
ET	0.000	0.0	0.0	0.0	0.0	7.100	1039.000	1137.000	0.0	0.0

X1	6175.000	0.0	1061.000	1064.000	1000.000	1000.000	1000.000	0.0	0.0	0.0
SP	731.700	1075.000	722.200	1010.000	719.500	1036.000	716.800	1041.000	712.000	1050.000
SR	714.300	1500.000	712.300	1060.000	714.500	1064.000	717.700	1100.000	718.000	1200.000
SR	707.200	1705.100	709.000	1055.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	0.000	0.0	0.0	750.000	1065.000	750.000	750.000	0.0	0.0	0.0
ET	0.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	6370.000	0.0	1236.000	1270.000	2200.000	2200.000	2200.000	0.0	0.0	0.0
SP	731.700	1075.000	735.100	1100.000	732.500	1200.000	729.600	1236.000	725.400	1254.000
SR	714.300	1500.000	725.000	1261.000	730.400	1270.000	731.000	1300.000	731.800	1352.000
SR	707.200	1705.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	0.000	0.0	0.0	430.000	630.000	420.000	420.000	0.0	0.0	0.0

X1	10630.000	0.0	1266.000	1292.000	2225.000	2225.000	2225.000	0.0	-1.200	0.0
SP	731.700	1075.000	768.500	1017.000	762.000	1100.000	757.700	1200.000	754.500	1256.000
SR	714.300	1500.000	760.000	1266.000	740.000	1272.000	754.500	1282.000	757.300	1300.000
SR	707.200	1705.100	768.000	1301.000	757.000	1400.000	769.600	1423.000	0.0	0.0

X1	10300.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
X2	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	10700.000	0.0	1006.500	1035.500	50.000	50.000	50.000	0.0	0.0	0.0
SP	731.700	1075.000	774.000	1104.000	768.200	1151.000	761.700	1234.000	757.400	1334.000
SR	714.300	1500.000	782.100	1335.500	749.000	1307.500	748.600	1400.000	749.600	1402.500
SR	707.200	1705.100	784.200	1416.000	757.000	1434.000	758.800	1469.000	764.100	1482.000
BT	0.000	0.0	0.0	1157.000	777.600	1000.000	745.500	1700.000	788.000	1730.000
SR	0.000	0.0	0.0	0.0	7.000	0.010	38.470	0.0	0.0	0.0

X1	10750.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	755.600	0.0	0.0	0.0	0.0	0.0	0.0

 RECP RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 ROWAN CO. PARTIAL STREAM IN UNBANKED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-5 JOB NO. 6918
 T3 198 YEAR FLOODPLAIN

J1	ICORR	IDE	ITRY	ITRA	STRT	MTRIC	HVHS	Q	WSEL	FO
	-11.	6.	0.	0.	0.0	0.0	0.0	0.	683.980	0.0
J2	PROF	INLOT	PREVS	XSECV	XSECH	FR	ALLDC	IDW	CHNIM	ITRACE
	13.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEPV= 0.300
 *SECO 105.000

SECO	DEPTH	WSEL	CRIMS	WSELK	EG	HV	HL	LOSS	BANK ELEV
9	SLOP	7CH	QROR	ALOB	ACH	AROR	VOL	TWA	LEFT/RIGHT
TIME	VLDL	VCH	VROR	XPL	YNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOL	XLCH	XLORW	ITRIAL	TOC	TCOUT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	1093.0	1136.0	TYPE=	1	TARGET=	43.000			
105.00	8.04	683.98	0.0	682.98	685.00	1.11	0.0	0.0	679.20
1893.	31.	1544.	64.	26.5	176.	24.	0.	0.	680.20
0.0	3.04	6.81	2.73	0.060	0.040	0.060	0.0	675.00	1093.00
0.004571	105.	105.	195.	0	0	0	0.0	43.00	1136.00

*SECO 100.000

INCRPT 18002 - PROGRAM INTERRUPT (P) - DIVIDE CHECK OLD PSW IS FF05000F42142492 . REGISTER CONTAINED 0000000000000000

TRACEBACK ROUTINE CALLED FROM ISB	REG. 14	REG. 15	REG. 0	REG. 1	
R2KAT1	0005	5213773A	00137778	F0000005	00000000
R4IH	0001320A	01137610	F0000005	001837F8	

ENTRY POINT= 01137610

STANDARD CIP TABLE, EXECUTION CONTINUING
 2500 DAT 01= 352.21 WSEL= 684.44 ENC 01= 320.47 WSEL= 685.44 RATIO= -0.2707
 DAT 01= 320. RATIO LOC.CH.FOC= 0.0 1.0000 1.0 WSEL= 685.44

3470 ENCROACHMENT STATIONS=	1475.0	1537.0	TYPE=	4	TARGET=	0.0			
180.00	8.04	684.44	0.0	684.44	685.44	0.01	0.31	0.05	690.20
1893.	0.	1633.	0.	0.	269.	0.	0.	0.	690.30
0.00	0.0	6.29	0.0	0.060	0.040	0.060	0.039	676.20	1475.00
0.003703	375.	75.	75.	3	0	0	0.0	50.44	1525.44

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CODE = 01
 MODIFICATION = 50,51,52

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YEAR FLOOD WATER SUR
 SUMMARY PRINTOUT

	SECTNO	VLEN	EL1RD	ELLC	Q	ELMID	CHSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	103.000	105.00	0.0	0.0	1693.00	675.90	682.98	0.0	10.54	1092.74	1135.73	182.85-7.2	0.0
	105.000	105.00	0.0	0.0	1693.00	675.90	683.28	0.0	8.81	1093.00 ¹¹⁴	1136.00	225.82-7.5	1.00
	150.000	75.00	0.0	0.0	1693.00	676.20	684.44	0.0	6.79	1475.00	1523.39	249.44	0.0
	150.000	75.00	0.0	0.0	1693.00	676.20	684.84	0.0	6.29	1475.00	1525.44	269.25	0.40
	200.000	20.00	689.70	698.60	1693.00	676.20	694.55	0.0	6.64	1475.00	1523.98	255.07	0.0
	201.000	20.00	689.70	698.60	1693.00	676.20	695.55	0.0	5.52	1475.00	1529.09	306.59	1.00
B	275.000	75.00	0.0	0.0	1693.00	676.50	684.58	0.0	8.82	1090.30	1139.22	228.74-7.4	0.0
	275.000	75.00	0.0	0.1	1693.00	676.50	685.53	0.0	7.53	1091.00 ¹¹⁵	1139.00	274.53-6.2	0.96
C	1000.000	725.00	0.0	0.0	1697.00	681.00	688.53	686.97	7.67	1171.44	1421.59	297.69-5.7	0.0
	1000.000	725.00	0.0	0.0	1697.00	681.00	688.37	686.97	8.12	1176.88 ¹²⁵⁰	1417.92	264.97-6.4	0.16
D	2050.000	1050.00	0.0	0.0	1694.00	684.00	692.29	0.0	5.88	1025.86 ¹⁰¹⁵	1088.59	317.50-5.3	0.0
	2050.000	1050.00	0.0	0.0	1694.00	684.00	692.37	0.0	5.80	1026.00 ¹⁰¹⁵	1088.00	322.25-5.2	0.08
E	3225.000	1175.00	0.0	0.0	1644.00	690.00	697.51	697.51	10.32	1214.05	1296.20	226.30-7.5	0.0
	3225.000	1175.00	0.0	0.0	1644.00	690.00	697.47	697.47	10.47	1214.11 ¹²³⁵	1296.00	222.48-7.1	0.05
	3300.000	75.00	0.0	0.0	1644.00	691.80	699.02	0.0	5.68	1748.79	1853.34	382.79	0.0
	3300.000	75.00	0.0	0.0	1644.00	691.80	698.61	0.0	8.77	1790.20	1846.04	217.96	-0.41
	3321.000	21.00	705.90	704.30	1644.00	691.80	699.02	0.0	5.68	1748.79	1853.34	382.80	0.0
	3321.000	21.00	705.90	704.30	1644.00	691.80	710.02	0.0	4.54	1741.70	1854.52	487.87	1.00
F	3335.000	75.00	0.0	0.0	1644.00	692.00	699.46	699.46	10.48	1214.11	1296.13	222.23-7.4	0.0
	3335.000	75.00	0.0	0.0	1644.00	692.00	699.50	699.46	10.36	1214.07 ¹⁰³⁰	1296.00	225.24-7.3	0.03
G	4600.000	1204.00	0.0	0.0	1624.00	700.00	708.21	0.0	8.83	1340.44	1604.40	272.94-6.0	0.0
	4600.000	1204.00	0.0	0.0	1624.00	700.00	708.18	0.0	8.90	1341.00 ¹³⁵¹	1603.85	270.14-6.0	0.03
	4675.000	75.00	0.0	0.0	1624.00	702.10	708.85	708.84	10.60	1672.98	1735.20	170.04	0.0
	4675.000	75.00	0.0	0.0	1624.00	702.10	708.57	708.57	11.81	1701.31	1733.03	137.55	-0.31
	4700.000	25.00	710.00	711.60	1624.00	702.10	708.89	0.0	10.60	1672.95	1735.21	170.18	0.0
	4700.000	25.00	710.00	711.60	1624.00	702.10	708.89	0.0	8.09	1659.69	1745.29	244.03	1.00

	SECNO	YLCH	ELTRD	ELLC	Q	VELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
H	4775.000	75.00	0.0	0.0	1624.00	702.90	710.38	0.0	8.43	1340.33	1607.83	289.15-5.6	0.0
	4775.000	75.00	0.0	0.0	1624.00	702.90	710.45	0.0	8.26	1341.00	1607.00	295.99-0.5	0.06
J	6175.000	1400.00	0.0	0.0	1193.00	711.90	718.05	718.05	8.43	1038.99	1237.24	215.34-5.6	0.0
	6175.000	1400.00	0.0	0.0	1193.00	711.90	717.83	717.38	9.21	1039.34	1137.00	172.66-6.1	-0.21
J	8375.000	2200.00	0.0	0.0	758.00	725.00	730.94	0.0	5.72	1219.43	1296.72	147.48	0.0
	8375.000	2200.00	0.0	0.0	758.00	725.00	731.37	0.0	5.26	1236.00	1270.00	144.18	0.44
Y	10600.000	2225.00	0.0	0.0	490.00	747.70	750.84	750.84	9.18	1257.32	1277.61	52.30	0.0
	10600.000	2225.00	0.0	0.0	420.00	747.70	750.60	750.60	8.85	1257.45	1277.18	47.44	-0.24
	10650.000	50.00	0.0	0.0	480.00	748.20	752.11	0.0	6.97	1256.90	1279.00	68.85	0.0
	10650.000	50.00	0.0	0.0	420.00	748.20	751.84	0.0	6.72	1257.05	1278.48	62.52	-0.28
*	10700.000	50.00	0.0	0.0	480.00	748.60	754.72	754.72	8.83	1380.81	1419.38	69.10	0.0
	10700.000	50.00	0.0	0.0	420.00	748.60	754.26	754.26	12.08	1395.27	1404.85	37.81	-0.47
	10750.000	50.00	760.30	735.60	480.00	748.60	758.32	0.0	1.78	1312.53	1459.73	376.58	0.0
	10750.000	50.00	92999.00	0.0	420.00	748.60	757.86	0.0	2.35	1370.27	1417.30	212.89	-0.47
	10800.000	50.00	0.0	0.0	480.00	748.90	758.32	0.0	1.82	1185.60	1319.82	390.89	0.0
	10800.000	50.00	0.0	0.0	420.00	748.90	757.86	0.0	2.09	1252.69	1283.75	213.11	-0.45
V	10550.000	50.00	0.0	0.0	480.00	749.20	758.32	0.0	1.96	1192.40	1314.13	353.43	0.0
	10550.000	50.00	0.0	0.0	420.00	749.20	757.87	0.0	2.22	1256.00	1282.00	189.14	-0.45
e	13090.000	2240.00	0.0	0.0	285.00	806.90	810.60	810.60	8.04	1146.19	1164.29	35.43	0.0
	13090.000	2240.00	0.0	0.0	285.00	806.90	810.60	810.60	8.04	1146.19	1164.29	35.43	-0.00

SUMMARY OF ERRORS

CAUTION SECNO= 3225.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3225.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3225.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3225.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3225.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3396.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3396.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3396.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

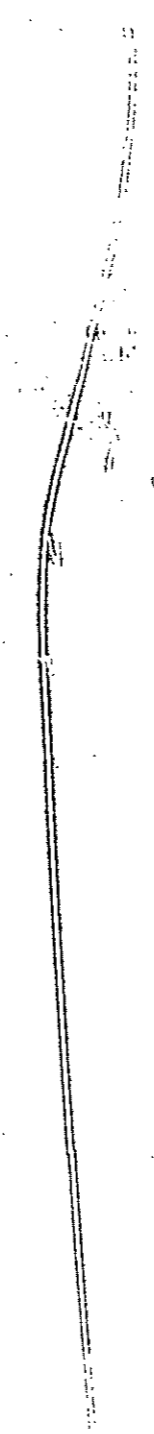
CAUTION SECNO= 4675.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4675.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4675.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4675.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4675.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4675.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6175.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6175.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 10600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 10600.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION	SECNO=10600.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10600.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10600.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10600.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10700.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=10700.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=10700.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=10700.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13090.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13090.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13090.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL

0



FLOODWAY DATA. 100 YEAR FLOOD WATER SUR
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
100.000	43.	226.	7.5	684.0	683.0	1.0
140.000	50.	269.	6.3	684.8	684.4	0.4
200.000	54.	307.	5.5	685.6	684.6	1.0
275.000	48.	275.	6.2	685.6	684.6	1.0
1000.000	195.	265.	6.4	688.4	688.5	-0.1
2000.000	62.	322.	5.3	692.4	692.3	0.1
3200.000	45.	322.	7.4	697.5	697.5	0.0
3700.000	40.	218.	7.5	698.7	699.0	-0.3
3320.000	110.	480.	3.4	700.0	699.0	1.0
3300.000	42.	225.	7.3	699.5	699.5	0.0
460.000	95.	270.	6.0	702.2	703.2	0.0
4675.000	32.	138.	11.8	708.7	708.9	-0.2
4700.000	27.	244.	6.7	709.9	709.9	1.0
4775.000	130.	296.	5.5	710.5	710.4	0.1
6175.000	88.	173.	6.9	717.9	719.0	-0.1
9375.000	34.	144.	5.3	731.3	730.9	0.4
10600.000	20.	47.	8.9	750.7	750.8	-0.1
10600.000	21.	63.	6.7	751.9	752.1	-0.2
10700.000	10.	38.	11.1	754.3	754.7	-0.4
10750.000	47.	213.	2.0	757.3	758.3	-0.4
10800.000	21.	213.	2.0	757.9	758.3	-0.4
10850.000	26.	189.	2.2	758.0	758.3	-0.3
13000.000	11.	55.	8.0	810.6	811.6	0.0

FLOODWAY DATA. 100 YEAR FLOOD WATER SUR
PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
105.000	43.	226.	7.5	684.0	683.0	1.0
140.000	50.	269.	6.3	684.0	684.4	0.4
200.000	59.	307.	5.5	685.6	684.6	1.0
270.000	49.	275.	6.2	685.6	684.6	1.0
1800.000	100.	265.	6.4	688.4	688.5	-0.1
2050.000	62.	222.	5.3	692.4	692.3	0.1
3225.000	22.	222.	7.4	697.5	697.5	0.0
3300.000	50.	210.	7.5	698.7	699.0	-0.3
3321.000	110.	400.	3.4	700.0	699.0	1.0
3396.000	12.	225.	7.3	699.5	699.5	0.0
4600.000	25.	270.	6.0	708.2	708.2	0.0
4675.000	42.	130.	11.8	708.7	708.9	-0.2
4700.000	47.	204.	6.7	709.9	709.9	0.0
4775.000	130.	295.	5.5	710.5	710.4	0.1
6175.000	45.	173.	6.9	717.9	718.0	-0.1
8375.000	34.	148.	8.3	731.3	731.9	0.4
10600.000	20.	47.	6.9	750.7	750.8	-0.1
10650.000	21.	63.	6.7	751.9	752.1	-0.2
10700.000	19.	38.	11.1	754.3	754.7	-0.4
10750.000	47.	213.	2.9	757.9	758.3	-0.4
10800.000	41.	213.	2.8	757.9	758.3	-0.4
10850.000	26.	181.	2.2	758.0	758.3	-0.3
13200.000	10.	35.	1.6	810.6	811.6	0.0

REC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION 4 50,51,52

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