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

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

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.005000	0.0	0.0	0.	659.200	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	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

*SECNO 3600.000

SECNO	DEPTH	WSEL	CRINS	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	YLOBL	YLCH	XLOBR	YTRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3600.00	8.47	686.47	0.0	659.20	687.16	0.69	0.0	0.0	687.50
3150.	0.	2019.	1131.	0.	249.	442.	0.	0.	686.20
0.0	0.0	8.12	2.56	0.060	0.040	0.060	0.0	678.00	1278.01
0.005005	3600.	3600.	3600.	0	0	16	0.0	432.75	1710.76

*SECNO 3700.000

3700.00	9.14	687.24	0.0	0.0	687.44	0.20	0.22	0.05	679.80
3150.	220.	1219.	1651.	134.	239.	816.	2.	1.	683.10
0.01	2.09	5.10	2.02	0.060	0.040	0.060	0.040	678.10	1357.04
0.001263	100.	100.	100.	2	0	0	0.0	310.61	1667.65

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	28.00	1.00	286.00	0.0	678.10	678.10

*SECNO 3719.000

CLASS A LOW FLOW

3420 BRIDGE W.S.= 686.79 BRIDGE VELOCITY=, 13.42 CALCULATED CHANNEL AREA=, 235.

EGPRS	EGLVC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
0.0	687.45	0.02	0.	3150.	286.	278.	688.40	699.00

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 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	5.	0.	0.	0.005000	0.0	0.0	0.	660.200	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	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 CEHV= 0.300
 *SECD0 3600.000

SECD0	DEPTH	WSEL	CRIS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XHL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
3600.00	9.33	667.33	0.0	660.20	688.00	0.67	0.0	0.0	687.50
4900.	0.	2477.	2423.	0.	283.	791.	0.	0.	686.20
0.0	0.0	6.74	3.06	0.060	0.040	0.060	0.0	678.00	1277.17
0.005038	3600.	3600.	3600.	0	0	17	0.0	453.65	1730.81

*SECD0 3700.000

3700.00	9.92	688.02	0.0	0.0	688.32	0.30	0.28	0.04	679.80
4900.	437.	1694.	2769.	163.	261.	1012.	3.	1.	683.10
0.01	2.67	6.48	2.74	0.060	0.040	0.060	0.040	678.10	1353.27
0.001920	100.	100.	100.	2	0	0	0.0	323.77	1677.04

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED
 5227 DOWNSTREAM ELEV IS 686.57 NOT 688.02 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	28.00	1.00	286.00	0.0	678.10	678.10

*SECD0 3719.000
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	OWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
694.85	690.58	0.0	1582	3320	286	278	688.40	689.00

2.03 1.45 3.52 1.85 0.046 0.026 0.046 0.040 750.60 1054.91
 0.000836 1470. 1470. 1470. 0 0 0 0.0 508.54 1585.89

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECHO	YLCH	ELYRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
3600.000	3600.00	0.0	0.0	1530.00	678.00	684.83	0.0	7.22	1279.61	1577.98	270.31	0.0
3600.000	3600.00	0.0	0.0	2570.00	678.00	686.05	0.0	7.90	1278.42	1597.57	533.16	1.22
3600.000	3600.00	0.0	0.0	3150.00	678.00	686.47	0.0	8.12	1278.01	1710.76	690.35	0.42
3600.000	3600.00	0.0	0.0	4900.00	678.00	687.33	0.0	8.74	1277.17	1730.81	1074.19	0.86
3700.000	100.00	0.0	0.0	1530.00	678.10	685.65	0.0	4.17	1364.70	1648.56	717.89	0.0
3700.000	100.00	0.0	0.0	2570.00	678.10	686.86	0.0	4.64	1358.88	1663.06	1071.96	1.21
3700.000	100.00	0.0	0.0	3150.00	678.10	687.24	0.0	5.10	1357.04	1667.65	1189.11	0.38
3700.000	100.00	0.0	0.0	4900.00	678.10	688.02	0.0	6.48	1353.27	1677.04	1436.48	0.78
3719.000	19.00	680.00	688.40	1530.00	678.10	685.67	0.0	4.16	1364.66	1648.65	720.11	0.0
3719.000	19.00	680.00	688.40	2570.00	678.10	686.87	0.0	4.63	1358.83	1663.19	1075.27	1.21
3719.000	19.00	680.00	688.40	3150.00	678.10	687.26	0.0	5.08	1356.97	1667.80	1193.09	0.38
3719.000	19.00	680.00	688.40	4900.00	678.10	691.08	0.0	3.46	1282.21	1772.51	2657.63	3.83
3819.000	100.00	0.0	0.0	1530.00	678.20	685.63	0.0	5.94	1279.02	1587.68	368.72	0.0
3819.000	100.00	0.0	0.0	2570.00	678.20	686.90	0.0	5.98	1277.78	1720.66	792.60	1.27
3819.000	100.00	0.0	0.0	3150.00	678.20	687.33	0.0	6.11	1277.37	1727.51	981.94	0.42
3819.000	100.00	0.0	0.0	4900.00	678.20	691.13	0.0	3.07	1139.91	1789.06	3007.99	3.81
6050.000	2231.00	0.0	0.0	1510.00	684.30	691.45	0.0	8.79	1349.81	1379.90	171.81	0.0
6050.000	2231.00	0.0	0.0	2530.00	684.30	693.64	693.64	9.05	1242.70	1606.41	491.84	2.20
6050.000	2231.00	0.0	0.0	3100.00	684.30	694.05	694.05	9.48	1233.88	1618.83	645.84	0.41
6050.000	2231.00	0.0	0.0	4800.00	684.30	695.03	695.03	10.19	1212.37	1648.41	1048.08	0.98
9290.000	3240.00	0.0	0.0	1450.00	695.50	701.82	700.61	8.56	1155.40	1366.31	234.70	0.0
9290.000	3240.00	0.0	0.0	2470.00	695.50	703.02	703.02	8.90	1128.81	1425.81	534.98	1.19
9290.000	3240.00	0.0	0.0	3000.00	695.50	703.28	703.28	9.72	1122.95	1438.92	615.34	0.26
9290.000	3240.00	0.0	0.0	4650.00	695.50	704.07	0.0	11.01	1116.53	1459.71	880.57	0.79
13196.000	3896.00	0.0	0.0	1420.00	705.00	713.69	0.0	4.94	1280.58	1637.27	463.09	0.0
13196.000	3896.00	0.0	0.0	2400.00	705.00	714.46	0.0	5.75	1183.70	1668.16	808.74	0.79
13196.000	3896.00	0.0	0.0	2900.00	705.00	714.91	0.0	5.71	1180.08	1684.79	1018.92	0.42
13196.000	3896.00	0.0	0.0	4400.00	705.00	715.81	0.0	5.98	1172.32	1704.23	1493.43	0.90
13286.000	100.00	0.0	0.0	1420.00	706.70	713.85	0.0	4.95	1277.58	1324.95	286.65	0.0
13286.000	100.00	0.0	0.0	2400.00	706.70	714.42	0.0	7.63	1277.15	1329.17	314.36	0.57
13286.000	100.00	0.0	0.0	2900.00	706.70	714.60	0.0	8.93	1277.01	1401.36	324.59	0.19
13286.000	100.00	0.0	0.0	4400.00	706.70	714.45	714.45	13.93	1277.13	1329.72	315.97	-0.16

13386

13486

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1354 13314.000	28.00	723.70	723.60	1420.00	706.70	713.91	0.0	4.90	1277.53	1325.01	289.56	0.0
13314.000	28.00	723.70	723.60	2400.00	706.70	714.65	0.0	7.34	1276.98	1409.19	327.24	0.74
13314.000	28.00	723.70	723.60	2900.00	706.70	715.00	0.0	8.31	1249.98	1472.97	362.98	0.35
13314.000	28.00	723.70	723.60	4400.00	706.70	716.82	0.0	7.33	1211.08	1694.35	951.00	1.82
1364 13414.000	100.00	0.0	0.0	1420.00	708.40	714.42	714.42	11.00	1349.81	1384.44	129.07	0.0
13414.000	100.00	0.0	0.0	2400.00	708.40	717.08	717.08	8.41	1283.84	1636.63	457.49	2.66
13414.000	100.00	0.0	0.0	2900.00	708.40	717.43	717.43	8.65	1214.21	1650.26	593.56	0.35
13414.000	100.00	0.0	0.0	4400.00	708.40	718.11	718.11	9.47	1181.76	1677.07	920.28	0.69
1569 15490.000	2076.00	0.0	0.0	1320.00	713.10	720.09	0.0	3.60	1281.76	1737.39	829.27	0.0
15490.000	2076.00	0.0	0.0	2250.00	713.10	721.02	0.0	4.04	1233.91	1767.02	1286.67	0.93
15490.000	2076.00	0.0	0.0	2730.00	713.10	721.38	0.0	4.26	1215.18	1778.62	1485.20	0.36
15490.000	2076.00	0.0	0.0	4150.00	713.10	722.25	0.0	4.80	1083.84	1806.46	2006.89	0.87
17490 17239.000	1799.00	0.0	0.0	1300.00	715.40	722.15	0.0	7.57	1371.17	1698.76	199.74	0.0
17239.000	1799.00	0.0	0.0	2200.00	715.40	723.29	723.29	8.47	1368.66	1762.86	447.86	1.15
17239.000	1799.00	0.0	0.0	2700.00	715.40	723.55	723.55	9.13	1368.09	1768.20	549.77	0.26
17239.000	1799.00	0.0	0.0	4050.00	715.40	724.53	0.0	8.53	1266.93	1788.28	964.03	0.98
17690 17489.000	200.00	0.0	0.0	1300.00	716.50	723.33	0.0	7.77	1600.20	1658.21	177.89	0.0
17489.000	200.00	0.0	0.0	2200.00	716.50	724.30	723.80	10.51	1578.82	1658.92	244.63	0.98
17489.000	200.00	0.0	0.0	2700.00	716.50	724.86	724.86	11.29	1566.42	1662.05	293.74	0.55
17489.000	200.00	0.0	0.0	4050.00	716.50	726.76	726.76	9.53	1367.73	1783.56	778.47	1.91
1771 17510.000	21.00	729.50	727.60	1300.00	716.50	723.33	0.0	7.77	1600.23	1658.21	177.81	0.0
17510.000	21.00	729.50	727.60	2200.00	716.50	724.31	0.0	10.49	1578.62	1658.93	245.35	0.98
17510.000	21.00	729.50	727.60	2700.00	716.50	724.86	0.0	11.20	1566.35	1662.07	294.02	0.55
17510.000	21.00	729.50	727.60	4050.00	716.50	730.00	0.0	3.36	1196.43	1862.16	2549.57	5.14
1791 17710.000	200.00	0.0	0.0	1300.00	717.60	724.78	0.0	6.69	1370.22	1699.23	249.24	0.0
17710.000	200.00	0.0	0.0	2200.00	717.60	726.56	0.0	5.01	1284.31	1784.71	881.35	1.77
17710.000	200.00	0.0	0.0	2700.00	717.60	727.26	0.0	4.49	1203.03	1799.13	1266.41	0.70
17710.000	200.00	0.0	0.0	4050.00	717.60	730.11	0.0	2.61	1141.06	1857.72	3137.90	2.85
188.01 184.000	750.00	0.0	0.0	1300.00	719.11	727.23	0.0	4.46	1368.15	1767.60	556.12	0.0
184.000	750.00	0.0	0.0	2200.00	719.11	727.98	0.0	5.21	1292.62	1783.00	844.49	0.75
184.000	750.00	0.0	0.0	2700.00	719.11	728.38	0.0	5.33	1211.30	1791.24	1040.57	0.39
184.000	750.00	0.0	0.0	4050.00	719.11	730.38	0.0	3.70	1168.13	1832.13	2278.10	2.01
195.4 192.000	740.00	0.0	0.0	1200.00	720.59	728.54	727.00	7.91	1064.08	1351.94	250.17	0.0
192.000	740.00	0.0	0.0	2050.00	720.59	729.51	729.29	8.51	1063.30	1480.40	466.89	0.97
192.000	740.00	0.0	0.0	2500.00	720.59	729.89	729.77	8.67	1062.71	1537.79	611.21	0.38
192.000	740.00	0.0	0.0	3700.00	720.59	730.96	0.0	7.50	1047.82	1547.14	1132.28	1.06
2090 19950.000	750.00	0.0	0.0	1200.00	722.10	730.75	0.0	5.98	1063.52	1461.13	389.61	0.0
19950.000	750.00	0.0	0.0	2050.00	722.10	731.71	0.0	6.07	1049.71	1540.51	757.29	0.96
19950.000	750.00	0.0	0.0	2500.00	722.10	732.05	0.0	6.23	1048.88	1543.44	922.20	0.34
19950.000	750.00	0.0	0.0	3700.00	722.10	732.57	0.0	7.26	1047.61	1547.87	1174.13	0.52
2254 22200.000	2250.00	0.0	0.0	1175.00	726.70	735.39	0.0	5.22	1202.17	1585.67	404.33	0.0
22200.000	2250.00	0.0	0.0	2000.00	726.70	736.22	0.0	5.85	1158.88	1610.67	746.98	0.83
22200.000	2250.00	0.0	0.0	2400.00	726.70	736.52	0.0	6.03	1143.58	1619.85	888.98	0.31
22200.000	2250.00	0.0	0.0	3600.00	726.70	737.41	0.0	6.07	1099.38	1646.38	1341.29	0.89

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
22299.000	99.00	0.0	0.0	1175.00	729.30	735.05	0.0	9.59	1504.64	1538.48	126.09	0.0
22299.000	99.00	0.0	0.0	2000.00	729.30	738.70	738.70	8.21	1099.57	1548.15	309.29	3.66
22299.000	99.00	0.0	0.0	2400.00	729.30	739.16	739.16	8.25	1097.65	1549.36	510.02	0.46
22299.000	99.00	0.0	0.0	3600.00	729.30	739.87	739.87	8.94	1094.68	1567.95	835.56	0.71
22320.000	21.00	743.00	741.20	1175.00	729.30	735.74	0.0	8.19	1504.33	1540.32	152.38	0.0
22320.000	21.00	743.00	741.20	2000.00	729.30	738.83	0.0	7.90	1099.02	1548.50	364.85	3.09
22320.000	21.00	743.00	741.20	2400.00	729.30	739.26	0.0	7.87	1097.21	1549.64	558.14	0.43
22320.000	21.00	743.00	741.20	3600.00	729.30	743.18	0.0	2.85	1080.78	1695.32	2636.72	3.91
22420.000	100.00	0.0	0.0	1175.00	730.90	736.98	736.98	11.35	1402.43	1519.07	125.89	0.0
22420.000	100.00	0.0	0.0	2000.00	730.90	739.57	739.57	8.95	1205.18	1585.22	399.20	2.59
22420.000	100.00	0.0	0.0	2400.00	730.90	739.90	739.90	9.19	1184.81	1595.11	523.35	0.33
22420.000	100.00	0.0	0.0	3600.00	730.90	743.21	0.0	3.42	1077.35	1694.26	2272.79	3.30
23200.000	780.00	0.0	0.0	1175.00	733.02	741.95	0.0	4.67	1138.69	1592.78	492.14	0.0
23200.000	780.00	0.0	0.0	2000.00	733.02	742.80	0.0	5.11	1145.36	1618.78	872.01	0.86
23200.000	780.00	0.0	0.0	2400.00	733.02	743.11	0.0	5.30	1130.14	1627.92	1019.88	0.31
23200.000	780.00	0.0	0.0	3600.00	733.02	743.83	0.0	5.82	1094.82	1649.46	1398.03	0.72
23990.000	790.00	0.0	0.0	1090.00	735.18	744.01	0.0	2.05	1207.25	1616.04	930.24	0.0
23990.000	790.00	0.0	0.0	1850.00	735.18	744.93	0.0	2.38	1172.13	1625.04	1318.99	0.92
23990.000	790.00	0.0	0.0	2250.00	735.18	745.30	0.0	2.53	1149.38	1628.69	1492.25	0.37
23990.000	790.00	0.0	0.0	3300.00	735.18	746.16	0.0	2.83	1125.54	1637.07	1915.33	0.85
24770.000	780.00	0.0	0.0	1090.00	737.30	746.31	0.0	1.89	1207.12	1617.83	1005.12	0.0
24770.000	780.00	0.0	0.0	1850.00	737.30	747.37	0.0	2.12	1151.49	1629.24	1470.41	1.07
24770.000	780.00	0.0	0.0	2250.00	737.30	747.83	0.0	2.21	1138.05	1632.67	1689.93	0.45
24770.000	780.00	0.0	0.0	3300.00	737.30	748.82	0.0	2.43	1110.37	1642.41	2198.96	0.99
26110.000	1340.00	0.0	0.0	1000.00	742.50	749.38	0.0	4.05	1251.74	1717.23	567.20	0.0
26110.000	1340.00	0.0	0.0	1750.00	742.50	750.15	0.0	4.00	1184.65	1744.76	982.69	0.77
26110.000	1340.00	0.0	0.0	2090.00	742.50	750.47	0.0	3.93	1183.99	1756.16	1163.37	0.32
26110.000	1340.00	0.0	0.0	3000.00	742.50	751.23	0.0	3.84	1182.44	1783.13	1606.25	0.76
26210.000	100.00	0.0	0.0	1000.00	743.10	748.80	748.80	10.43	1412.98	1441.94	95.87	0.0
26210.000	100.00	0.0	0.0	1750.00	743.10	751.07	751.07	8.19	1336.55	1624.61	371.91	2.26
26210.000	100.00	0.0	0.0	2090.00	743.10	751.38	751.38	8.28	1323.41	1633.32	466.22	0.32
26210.000	100.00	0.0	0.0	3000.00	743.10	751.83	751.83	9.49	1304.68	1646.75	612.51	0.45
26230.000	20.00	754.70	752.20	1000.00	743.10	748.81	0.0	10.41	1412.97	1441.96	96.03	0.0
26230.000	20.00	754.70	752.20	1750.00	743.10	751.07	0.0	8.18	1336.52	1624.63	372.12	2.26
26230.000	20.00	754.70	752.20	2090.00	743.10	751.38	0.0	8.28	1323.38	1633.34	466.45	0.32
26230.000	20.00	754.70	752.20	3000.00	743.10	755.54	0.0	2.61	1150.26	1748.17	2352.70	4.16
26330.000	100.00	0.0	0.0	1000.00	743.70	750.89	0.0	3.18	1185.61	1728.15	726.17	0.0
26330.000	100.00	0.0	0.0	1750.00	743.70	752.09	0.0	2.64	1183.14	1770.85	1401.84	1.20
26330.000	100.00	0.0	0.0	2090.00	743.70	752.34	0.0	2.79	1182.62	1779.97	1553.13	0.25
26330.000	100.00	0.0	0.0	3000.00	743.70	755.59	0.0	1.43	1175.91	1835.36	3611.63	3.25
27800.000	1470.00	0.0	0.0	990.00	750.60	753.76	0.0	6.14	1060.12	1577.43	359.73	0.0
27800.000	1470.00	0.0	0.0	1550.00	750.60	753.90	0.0	8.25	1059.58	1578.30	447.13	0.22
27800.000	1470.00	0.0	0.0	1870.00	750.60	754.26	0.0	7.45	1058.88	1579.44	571.10	0.28
27800.000	1470.00	0.0	0.0	2600.00	750.60	755.86	0.0	3.52	1054.91	1585.89	1362.72	1.61

CAUTION	SECNO= 3719.000	PROFILE= 4	HYDRAULIC JUMP D.S.
CAUTION	SECNO= 6050.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6050.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6050.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6050.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6050.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6050.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6050.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 9290.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9290.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 9290.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9290.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13286.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13286.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13314.000	PROFILE= 4	HYDRAULIC JUMP D.S.
CAUTION	SECNO=13414.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13414.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13414.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13414.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=17289.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17289.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17289.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17289.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17489.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17489.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17489.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17489.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17489.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22299.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22299.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22299.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22299.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22299.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22299.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22320.000	PROFILE= 1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=22320.000	PROFILE= 4	HYDRAULIC JUMP D.S.
CAUTION	SECNO=22420.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22420.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22420.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22420.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22420.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22420.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22420.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY

CAUTION SECNO=26210.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26210.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26210.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26210.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26210.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26210.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26210.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26210.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26210.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26210.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26210.000 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 BETWEEN BASE FLOOD AND		
		10f	2f	0.2f
3600.000	0.	-1.6	-0.4	0.9
3700.000	100.	-1.6	-0.4	0.8
3719.000	119.	-1.6	-0.4	3.2
3819.000	219.	-1.7	-0.4	3.8
6050.000	2450.	-2.6	-0.4	1.0
9290.000	5690.	-1.5	-0.3	0.8
13186.000	9586.	-1.2	-0.4	0.9
13286.000	9686.	-0.8	-0.2	-0.2
13314.000	9714.	-1.1	-0.4	1.8
13414.000	9814.	-3.0	-0.3	0.7
15490.000	11890.	-1.3	-0.4	0.9
17289.000	13689.	-1.4	-0.3	1.0
17489.000	13889.	-1.5	-0.6	1.9
17510.000	13910.	-1.5	-0.6	5.1
17710.000	14110.	-2.5	-0.7	2.8
184.600	14860.	-1.1	-0.4	2.0
192.000	15600.	-1.4	-0.4	1.1
19950.000	16350.	-1.3	-0.3	0.5
22200.000	18600.	-1.1	-0.3	0.9
22299.000	18699.	-4.1	-0.5	0.7
22320.000	18720.	-3.5	-0.4	3.9
22420.000	18820.	-2.9	-0.3	3.3
23200.000	19600.	-1.2	-0.3	0.7
23990.000	20390.	-1.3	-0.4	0.9
24770.000	21170.	-1.5	-0.5	1.0
26110.000	22510.	-1.1	-0.3	0.8
26210.000	22610.	-2.6	-0.3	0.4
26230.000	22630.	-2.6	-0.3	4.2
26330.000	22730.	-1.4	-0.3	3.2
27800.000	24200.	-0.5	-0.3	1.6
WEIGHTED AVG FOR REACH		-1.6	-0.4	1.3

FHF FOR THE REACH = 0.15 WITH 74.6% OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = A 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA		WTD. AVG.	FHF	PERCENT WITHIN
		10f	1f			
1	161.	685.5	687.1	-1.6	-1.6	100.
	0.				SEC. 3600.000	
	100.				SEC. 3700.000	
	119.				SEC. 3719.000	

	119.					SEC. 3719.000	
	219.					SEC. 3819.000	
2	322.	685.8	687.5	-1.7	-1.7	015	100.
3	483.	686.1	687.9	-1.8	-1.7	015	100.
4	644.	686.5	688.4	-1.8	-1.7	015	100.
5	805.	686.9	688.9	-1.9	-1.8	020	100.
6	966.	687.4	689.3	-2.0	-1.8	020	100.
7	1127.	687.8	689.8	-2.0	-1.8	020	100.
8	1288.	688.2	690.3	-2.1	-1.9	020	100.
9	1449.	688.6	690.8	-2.2	-1.9	020	100.
10	1610.	689.0	691.3	-2.2	-1.9	020	100.
11	1771.	689.5	691.8	-2.3	-2.0	020	100.
12	1932.	689.9	692.2	-2.4	-2.0	020	100.
13	2093.	690.3	692.7	-2.4	-2.0	020	100.
14	2254.	690.7	693.2	-2.5	-2.1	020	100.
15	2415.	691.1	693.7	-2.6	-2.1	020	100.
	2450.					SEC. 6050.000	
16	2576.	691.6	694.2	-2.6	-2.1	020	100.
17	2737.	692.1	694.6	-2.5	-2.2	020	100.
18	2898.	692.6	695.1	-2.5	-2.2	020	100.
19	3059.	693.1	695.6	-2.4	-2.2	020	100.
20	3220.	693.7	696.0	-2.4	-2.2	020	100.
21	3381.	694.2	696.5	-2.3	-2.2	020	100.
22	3542.	694.7	696.9	-2.2	-2.2	020	100.
23	3703.	695.2	697.4	-2.2	-2.2	020	100.
24	3864.	695.7	697.8	-2.1	-2.2	020	100.
25	4025.	696.2	698.3	-2.1	-2.2	020	100.
26	4186.	696.7	698.8	-2.0	-2.2	020	100.
27	4347.	697.3	699.2	-2.0	-2.2	020	100.
28	4508.	697.8	699.7	-1.9	-2.2	020	100.
29	4669.	698.3	700.1	-1.8	-2.2	020	100.
30	4830.	698.8	700.6	-1.8	-2.1	020	100.
31	4991.	699.3	701.1	-1.7	-2.1	020	100.
32	5152.	699.8	701.6	-1.7	-2.1	020	100.
33	5313.	700.4	702.0	-1.6	-2.1	020	100.
34	5474.	700.9	702.4	-1.6	-2.1	020	100.
35	5635.	701.4	702.9	-1.5	-2.1	020	100.
	5690.					SEC. 9290.000	
36	5796.	701.9	703.4	-1.5	-2.1	020	100.
37	5957.	702.4	703.8	-1.4	-2.0	020	100.
38	6118.	702.9	704.3	-1.4	-2.0	020	100.
39	6279.	703.4	704.8	-1.4	-2.0	020	100.
40	6440.	703.9	705.3	-1.4	-2.0	020	78.
41	6601.	704.4	705.8	-1.4	-2.0	020	73.
42	6762.	704.9	706.2	-1.4	-2.0	020	74.
43	6923.	705.3	706.7	-1.4	-1.9	020	72.
44	7084.	705.8	707.2	-1.4	-1.9	020	73.
45	7245.	706.3	707.7	-1.4	-1.9	020	73.
46	7406.	706.8	708.2	-1.4	-1.9	020	72.
47	7567.	707.3	708.6	-1.3	-1.9	020	72.
48	7728.	707.8	709.1	-1.3	-1.9	020	73.
49	7889.	708.3	709.6	-1.3	-1.9	020	76.
50	8050.	708.8	710.1	-1.3	-1.9	020	76.
51	8211.	709.3	710.6	-1.3	-1.9	020	73.
52	8372.	709.7	711.0	-1.3	-1.8	020	73.
53	8533.	710.2	711.5	-1.3	-1.8	020	74.
54	8694.	710.7	712.0	-1.3	-1.8	020	74.
55	8855.	711.2	712.5	-1.3	-1.8	020	75.
56	9016.	711.7	713.0	-1.3	-1.8	020	73.
57	9177.	712.2	713.4	-1.2	-1.8	020	72.
58	9338.	712.7	713.9	-1.2	-1.8	020	72.
59	9499.	713.2	714.4	-1.2	-1.8	020	73.
	9586.					SEC. 13186.000	
60	9660.	713.6	714.7	-1.0	-1.8	020	73.
	9686.					SEC. 13286.000	
	9714.					SEC. 13314.000	

61	9821.4	714.4	717.4	-3.0	-1.8	SEC. 13414.000	69.
62	9982.1	714.7	717.6	-2.9	-1.8	020	66.
63	10143.3	715.1	717.9	-2.8	-1.8	020	65.
64	10304.4	715.5	718.2	-2.7	-1.8	020	61.
65	10465.5	716.0	718.5	-2.5	-1.8	020	56.
66	10626.6	716.4	718.8	-2.4	-1.8	020	56.
67	10787.7	716.9	719.1	-2.3	-1.9	020	57.
68	10948.8	717.3	719.4	-2.1	-1.9	020	56.
69	11109.9	717.7	719.7	-2.0	-1.9	020	57.
70	11270.0	718.2	720.0	-1.9	-1.9	020	57.
71	11431.1	718.6	720.4	-1.7	-1.9	020	58.
72	11592.2	719.1	720.7	-1.6	-1.9	020	58.
73	11753.3	719.5	721.0	-1.5	-1.8	020	60.
	11890.0				SEC. 15490.000		
74	11914.4	719.9	721.3	-1.3	-1.8	020	62.
75	12075.5	720.2	721.5	-1.3	-1.8	020	61.
76	12236.6	720.4	721.7	-1.3	-1.8	020	62.
77	12397.7	720.6	721.9	-1.3	-1.8	020	62.
78	12558.8	720.8	722.1	-1.3	-1.8	020	63.
79	12719.9	720.9	722.3	-1.3	-1.8	020	66.
80	12880.0	721.1	722.5	-1.3	-1.8	020	68.
81	13041.1	721.3	722.7	-1.4	-1.8	020	68.
82	13202.2	721.5	722.9	-1.4	-1.8	020	70.
83	13363.3	721.7	723.1	-1.4	-1.8	020	70.
84	13524.4	721.9	723.3	-1.4	-1.8	020	71.
85	13685.5	722.1	723.5	-1.4	-1.8	020	72.
	13846.6				SEC. 17209.000		
86	13889.9	722.6	724.1	-1.5	-1.8	020	73.
	13910.0				SEC. 17489.000		
87	14007.7	723.7	725.4	-1.8	-1.8	SEC. 17510.000	74.
	14110.0				SEC. 17710.000		
88	14164.4	724.5	726.7	-2.2	-1.8	020	73.
89	14329.9	725.2	727.6	-2.2	-1.8	020	73.
90	14490.0	725.8	727.7	-1.9	-1.8	020	72.
91	14651.1	726.3	727.9	-1.7	-1.8	020	74.
92	14812.2	726.9	728.2	-1.4	-1.8	020	74.
	14960.0				SEC. 184.600		
93	14973.3	727.3	728.5	-1.2	-1.8	020	74.
94	15134.4	727.6	728.8	-1.2	-1.8	020	72.
95	15295.5	727.9	729.1	-1.2	-1.8	020	73.
96	15456.6	728.1	729.4	-1.3	-1.9	020	75.
	15600.0				SEC. 192.000		
97	15617.7	728.4	729.7	-1.3	-1.8	020	74.
98	15775.5	728.8	730.2	-1.3	-1.7	015	74.
99	15934.4	729.3	730.7	-1.3	-1.7	015	75.
100	16100.0	729.8	731.1	-1.3	-1.7	015	76.
101	16261.1	730.3	731.6	-1.3	-1.7	015	77.
	16356.6				SEC. 19950.000		
102	16422.2	730.7	732.0	-1.3	-1.7	015	77.
103	16583.3	731.1	732.4	-1.3	-1.7	015	76.
104	16744.4	731.6	732.7	-1.3	-1.7	015	77.
105	16905.5	731.7	733.0	-1.3	-1.7	015	77.
106	17066.6	732.1	733.2	-1.3	-1.7	015	77.
107	17227.7	732.4	733.6	-1.2	-1.7	015	78.
108	17388.8	732.7	734.0	-1.2	-1.7	015	78.
109	17549.9	733.1	734.4	-1.2	-1.7	015	79.
110	17710.0	733.4	734.8	-1.2	-1.7	015	80.
111	17871.1	733.7	735.2	-1.2	-1.7	015	79.
112	18032.2	734.1	735.6	-1.2	-1.7	015	79.
113	18193.3	734.4	735.9	-1.2	-1.7	015	78.
114	18354.4	734.7	735.9	-1.2	-1.7	015	77.
115	18515.5	735.0	736.2	-1.1	-1.7	015	77.
	18600.0				SEC. 22200.000		

116 18576.2 735.2 737.4 2.2 2.2 74.7 74.

	18699.					SEC. 22299.000	
	18720.					SEC. 22320.000	
	18820.					SEC. 22420.000	
117	18837.	737.0	739.9	-2.9	-1.7	015	75.
118	18998.	737.6	740.3	-2.7	-1.7	015	75.
119	19159.	738.6	741.0	-2.3	-1.7	015	72.
120	19320.	739.7	741.6	-2.0	-1.7	015	72.
121	19481.	740.7	742.3	-1.6	-1.7	015	73.
	19600.					SEC. 23200.000	
122	19642.	741.6	742.0	-1.3	-1.7	015	74.
123	19803.	742.3	743.4	-1.2	-1.7	015	74.
124	19964.	742.7	743.9	-1.2	-1.7	015	75.
125	20125.	743.1	744.3	-1.2	-1.7	015	74.
126	20286.	743.5	744.8	-1.3	-1.7	015	75.
	20390.					SEC. 23990.000	
127	20447.	744.0	745.2	-1.3	-1.7	015	76.
128	20606.	744.4	745.7	-1.3	-1.7	015	76.
129	20769.	744.9	746.3	-1.4	-1.7	015	76.
130	20930.	745.4	746.8	-1.4	-1.7	015	76.
131	21091.	745.8	747.3	-1.5	-1.7	015	76.
	21170.					SEC. 24770.000	
132	21252.	746.3	747.8	-1.5	-1.7	015	77.
133	21413.	746.7	748.1	-1.5	-1.7	015	77.
134	21574.	747.0	748.5	-1.4	-1.7	015	78.
135	21735.	747.4	748.8	-1.4	-1.7	015	78.
136	21896.	747.8	749.1	-1.3	-1.7	015	78.
137	22057.	748.2	749.4	-1.3	-1.7	015	77.
138	22218.	748.5	749.7	-1.2	-1.7	015	78.
139	22379.	748.9	750.1	-1.2	-1.7	015	78.
	22510.					SEC. 26110.000	
140	22540.	749.1	750.5	-1.3	-1.7	015	79.
	22610.					SEC. 26210.000	
	22630.					SEC. 26230.000	
141	22701.	749.5	751.7	-2.2	-1.7	015	77.
	22730.					SEC. 26330.000	
142	22862.	750.7	752.3	-1.6	-1.7	015	76.
143	23023.	751.3	752.6	-1.3	-1.7	015	78.
144	23184.	751.6	752.8	-1.2	-1.7	015	78.
145	23345.	751.9	753.0	-1.1	-1.6	015	79.
146	23506.	752.2	753.2	-1.0	-1.6	015	78.
147	23667.	752.6	753.5	-0.9	-1.6	015	78.
148	23828.	752.9	753.7	-0.8	-1.6	015	76.
149	23989.	753.2	753.9	-0.7	-1.6	015	75.
150	24150.	753.5	754.1	-0.6	-1.6	015	75.
	24300.					SEC. 27800.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 200 WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 111 150
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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

EJ

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BASIN D TRIB I
FLOODWAY
FRYES CREEK

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PROGRAMMER=DHS

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND

JOB PARAMETERS

TIME USED INCLUDES

MISC. JOB VALUES

	DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT			
ENTERED	9/29/77	8:00:48.3	TIME	2:00.0	0:21.1	CPU	0:04.9	LINES IN	218
EXECUTED	9/29/77	8:00:52.2	PAGES	200	27	DR EXCPS	0:07.4	LINES OUT	1535
RETURNED	9/29/77	10:02:21.4	CARDS	0	0	DISK EXCPS	0:08.9	MEMORY TIME	10570 K-SEC
JOB ENTERED ON THURSDAY			PLOTS	0	0	TAPE READ-WRITE	0:00.0	PRIORITY	01
						TAPE FILE SEARCH	0:00.0	APPROX. COST	\$6.74

JOB CONSOLE LOG

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J 8.00.49 JOB 41 -- RMAKD1 -- JCL INTERPRETED, TUCC CPU #1
J 8.00.51 JOB 41 -- RMAKD1 -- BEGINNING EXEC - INIT 2 - CLASS
L* 8.00.52 JOB 41 +++++S=163,T=02,J=RMAKD1 8:00:52 DHS
J 8.01.05 JOB 41 END EXECUTION.
    
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51.52

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

J1	ICHECK	IMQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	686.470	0.0
J2	MPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	0.	0.0	-1.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
UC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
UT	5.000	1530.000	2470.000	3150.000	4900.000	3150.000	0.0	0.0	0.0	0.0
ET	3.000	0.0	0.0	0.0	0.0	-8.400	0.0	0.0	0.0	0.0

A

X1	3600.000	24.000	1277.000	1318.000	3600.000	3600.000	3600.000	0.0	0.0	0.0
SR	702.600	1000.000	700.200	1050.000	693.000	1092.000	690.500	1150.000	689.000	1250.000
SR	687.500	1277.000	678.300	1286.000	676.000	1296.000	678.400	1306.000	686.200	1318.000
SR	688.000	1350.000	685.500	1400.000	685.200	1450.000	684.800	1500.000	683.500	1536.000
SR	682.000	1542.000	681.700	1544.000	682.000	1546.000	683.400	1555.000	686.200	1600.000
SR	680.300	1700.000	686.600	1719.000	697.800	1900.000	702.600	1968.000	0.0	0.0
X1	3700.000	19.000	1393.000	1421.500	100.000	100.000	100.000	0.0	0.0	0.0
SR	705.600	1000.000	700.100	1100.000	697.800	1150.000	696.500	1171.000	693.800	1205.000
SR	688.700	1350.000	679.800	1393.000	678.100	1396.700	678.200	1416.800	682.000	1418.300
SR	683.100	1421.500	684.000	1502.000	684.000	1604.600	684.000	1616.500	684.000	1626.600
SR	684.200	1631.000	689.100	1690.000	690.400	1750.000	698.000	2000.000	0.0	0.0
SR	1.250	1.500	2.500	0.0	20.000	1.000	286.000	0.0	0.0	0.0

(3710) R000 NCS0 1520 EXLCEL 688.4 ROELV 690.5

X1	3719.000	0.0	0.0	0.0	19.000	19.000	19.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	688.400	689.000	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	785.600	0.0	1150.000	697.800	0.0	1250.000	693.400	0.0
BT	1392.000	690.500	0.0	1392.900	690.500	0.0	1393.000	690.500	688.400	1421.500
BT	690.500	688.400	1421.600	690.500	0.0	1600.900	689.200	0.0	1601.000	689.200
BT	0.0	1631.000	689.200	0.0	1631.100	689.200	0.0	1650.000	689.500	0.0
BT	1700.000	689.000	0.0	2000.000	698.000	0.0	0.0	0.0	0.0	0.0

X1	3819.000	24.000	1277.000	1318.000	100.000	100.000	100.000	0.0	0.200	0.0
GR	702.600	1000.000	700.200	1050.000	693.000	1092.000	690.500	1150.000	689.000	1250.000
GR	687.500	1277.000	678.300	1286.000	678.000	<u>1296.000</u>	678.400	1306.000	686.200	1318.000
GR	685.800	1350.000	685.500	1400.000	685.200	1450.000	684.800	1500.000	683.500	1536.000
B GR	682.000	1542.000	681.700	1544.000	682.000	1546.000	683.400	1555.000	686.200	1600.000
GR	686.300	1700.000	686.600	1719.000	697.800	1900.000	702.600	1968.000	0.0	0.0
NC	0.044	0.044	0.024	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1510.000	2530.000	3100.000	4800.000	3100.000	0.0	0.0	0.0	0.0

X1	6050.000	18.000	1349.000	1382.000	2231.000	2231.000	2231.000	0.0	0.0	0.0
GR	712.600	1000.000	700.300	1100.000	693.300	1250.000	692.900	1300.000	693.100	1349.000
GR	684.900	1353.000	684.300	<u>1363.000</u>	685.100	1374.000	693.700	1382.000	693.300	1400.000
GR	692.600	1450.000	692.500	1550.000	692.500	1572.000	698.400	1750.000	702.400	1850.000
C GR	706.100	1950.000	709.200	2050.000	710.500	2083.000	0.0	0.0	0.0	0.0
NC	0.050	0.050	0.029	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1450.000	2470.000	3000.000	4650.000	3000.000	0.0	0.0	0.0	0.0

X1	9290.000	21.000	1156.000	1187.000	3240.000	3240.000	3240.000	0.0	0.0	0.0
GR	712.300	1000.000	717.000	1017.000	715.000	1021.000	714.700	1029.000	712.900	1033.000
GR	707.400	1108.000	703.500	1118.000	701.800	1156.000	695.900	1162.000	695.500	1172.000
GR	695.500	<u>1182.000</u>	<u>1177</u> 702.000	1187.000	701.900	1000.000	701.400	1250.000	700.900	1300.000
GR	701.500	1350.000	703.500	1450.000	709.400	1550.000	710.700	1556.000	712.100	1573.000
GR	717.200	1599.000	0.0	0.0	0.0	0.0	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	1420.000	2400.000	2900.000	4400.000	2900.000	0.0	0.0	0.0	0.0

X1	<u>13326</u> 13186.000	19.000	1345.000	1390.000	<u>4096</u> 3896.000	<u>4096</u> 3896.000	<u>4096</u> 3896.000	0.0	0.0	0.0
GR	730.800	1000.000	724.300	1100.000	714.100	1187.000	714.100	1200.000	713.600	1300.000
GR	713.200	1345.000	706.400	1360.000	705.000	<u>1367.000</u>	705.600	1374.000	713.900	1390.000
GR	713.700	1400.000	712.700	1450.000	712.400	1500.000	712.300	1550.000	713.200	1600.000
GR	713.000	1610.000	715.300	1700.000	723.300	1765.000	730.800	1921.000	0.0	0.0

X1	<u>13456</u> 13235.000	24.000	1261.000	1360.900	100.000	100.000	100.000	0.0	0.0	0.0
GR	729.900	1000.000	722.500	1190.000	715.000	1250.000	721.700	1261.000	721.700	1265.800
GR	719.800	1268.000	717.700	1274.700	708.200	1281.800	706.700	<u>1286.000</u>	706.900	1311.000
GR	707.200	1318.300	714.200	1325.300	714.800	1336.000	716.300	1348.300	718.700	1356.100
GR	719.700	1560.000	714.600	1400.000	715.700	1600.000	715.600	1650.000	719.300	1784.000
GR	723.100	1844.000	723.600	2016.000	721.200	2070.000	725.400	2100.000	0.0	0.0
GR	1.050	1.500	2.500	0.0	25.000	3.000	734.800	1.900	0.0	0.0

X1	<u>15514</u> 13314.000	0.0	0.0	0.0	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	723.600	723.700	0.0	0.0	0.0	0.0	0.0
BT	23.000	1000.000	741.900	0.0	1100.000	734.900	0.0	1200.000	729.100	0.0
BT	1260.000	726.200	0.0	1260.900	726.200	0.0	1261.000	726.200	723.600	1311.000
BT	724.400	721.000	1308.300	723.700	720.800	1362.000	723.700	720.300	1362.100	723.700
BT	0.0	1550.000	723.700	0.0	1750.000	723.700	0.0	1850.000	723.700	0.0
BT	1900.000	724.000	0.0	2000.000	724.500	0.0	2100.000	725.400	0.0	2400.000
BT	727.200	0.0	2600.000	728.300	0.0	2800.000	729.700	0.0	3000.000	731.200
BT	0.0	3200.000	732.700	0.0	3400.000	734.400	0.0	3528.000	736.600	0.0

X1	<u>13614</u> 13414.000	19.000	1345.000	1390.000	100.000	100.000	100.000	0.0	3.400	0.0
GR	730.800	1000.000	724.300	1100.000	714.100	1187.000	714.100	1200.000	713.600	1300.000
GR	713.200	1345.000	706.400	1360.000	705.000	<u>1367.000</u>	705.600	1374.000	713.900	1390.000
GR	713.700	1400.000	712.700	1450.000	712.400	1500.000	712.300	1550.000	713.200	1600.000
GR	713.000	1610.000	715.300	1700.000	723.300	1765.000	730.800	1921.000	0.0	0.0
NC	0.050	0.050	0.029	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1320.000	2250.000	2730.000	4150.000	2730.000	0.0	0.0	0.0	0.0

ET	0.0	0.0	0.0	0.0	0.0	-6.400	0.0	0.0	0.0	0.0
	15691				2077	2077	2077			
X1	15490.000	20.000	1557.000	1592.000	2076.000	2076.000	2076.000	0.0	0.0	0.0
GR	735.900	1000.000	725.100	1062.000	724.400	1077.000	722.200	1084.000	723.800	1090.000
GR	717.400	1421.000	717.500	1450.000	719.500	1557.000	713.600	1564.000	713.400	1573.000
GR	713.100	<u>1582.000</u>	718.900	1592.000	718.800	1600.000	717.900	1690.000	718.300	1680.000
GP	727.200	1965.000	730.700	1984.000	730.900	2000.000	732.300	2050.000	735.500	2086.000
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1300.000	2200.000	2700.000	4050.000	2700.000	0.0	0.0	0.0	0.0

	17490									
X1	17289.000	21.000	1665.000	1700.000	1799.000	1799.000	1799.000	0.0	-2.200	0.0
GR	745.200	1000.000	734.300	1050.000	726.800	1213.000	726.900	1250.000	726.400	1300.000
GR	726.800	1350.000	726.700	1366.000	720.800	1379.000	721.300	1388.000	725.600	1397.000
GR	724.500	1550.000	724.500	1600.000	724.900	1650.000	725.200	1665.000	717.900	1679.000
GR	717.600	<u>1685.000</u>	718.100	1692.000	725.500	1700.000	725.000	1750.000	725.500	1763.000
GR	741.900	2100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	17690									
X1	17489.000	20.000	1624.000	1663.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	746.000	1000.000	742.600	1050.000	729.700	1200.000	726.200	1400.000	725.600	1550.000
GR	722.300	1523.000	722.300	1624.000	721.300	1627.800	718.800	1631.700	716.500	<u>1637.000</u>
GR	716.600	1651.100	721.100	1654.400	721.700	1657.000	724.400	1659.000	725.000	<u>1663.000</u>
GR	725.000	1664.000	726.000	1765.000	739.800	2100.000	741.900	2150.000	746.000	2231.000
SR	0.900	1.500	2.500	0.0	15.000	0.010	325.700	1.400	0.0	0.0

ROWA NCSR 1515 FXLCEL 727.6 RDELV 729.9

	17711									
X1	17510.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
GR	0.0	0.0	1.000	727.600	729.500	0.0	0.0	0.0	0.0	0.0
QT	15.000	1000.000	746.000	0.0	1050.000	742.500	0.0	1200.000	734.500	0.0
ST	1400.000	729.600	0.0	1550.000	729.700	0.0	1623.000	730.000	0.0	1623.900
ST	729.900	0.0	1624.000	729.900	727.600	1663.000	729.900	727.600	1663.100	729.900
ST	0.0	1664.000	729.900	0.0	1750.000	730.000	0.0	2100.000	739.700	0.0
ST	2150.000	741.900	0.0	2231.000	746.000	0.0	0.0	0.0	0.0	0.0

	17711									
X1	17710.000	21.000	1665.000	1700.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	745.200	1000.000	734.300	1050.000	726.800	1213.000	726.900	1250.000	726.400	1300.000
GR	726.800	1350.000	726.700	1366.000	720.800	1379.000	721.300	1388.000	725.600	1397.000
GR	724.500	1550.000	724.500	1600.000	724.900	1650.000	725.200	1665.000	717.900	1679.000
GR	717.600	<u>1685.000</u>	718.100	1692.000	725.500	1700.000	725.000	1750.000	725.500	1763.000
GR	741.900	2100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	18201				810	810	810			
X1	180.600	0.0	0.0	0.0	750.000	750.000	750.000	0.0	1.510	0.0
IC	0.050	0.050	0.020	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1280.000	2050.000	2500.000	3700.000	2500.000	0.0	0.0	0.0	0.0

	19541									
X1	1927000	23.400	1329.000	1353.000	740.000	740.000	740.000	0.0	-1.510	0.0
GR	749.000	1000.000	741.600	1025.000	731.600	1050.000	731.400	1063.000	726.400	1067.000
GR	726.600	1072.000	731.300	1077.000	729.700	1150.000	728.800	1200.000	729.700	1250.000
GR	731.600	1329.000	722.700	1334.000	722.100	<u>1340.000</u>	722.400	1347.000	731.700	1353.000
GR	730.600	1450.000	731.300	1500.000	731.200	1536.000	732.800	1550.000	736.500	1600.000
GR	740.500	1650.000	746.000	1750.000	747.900	1776.000	0.0	0.0	0.0	0.0

	20291									
X1	19950.000	0.0	0.0	0.0	750.000	750.000	750.000	0.0	1.510	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	1175.000	2040.000	2400.000	3600.000	2400.000	0.0	0.0	0.0	0.0

	22541									
X1	22200.000	22.000	1460.000	1485.000	2250.000	2250.000	2250.000	0.0	-4.200	0.0

GR	754.800	1000.000	747.000	1033.000	741.700	1095.000	739.600	1200.000	739.100	1300.000
GR	739.900	1400.000	732.700	1406.000	739.100	1412.000	739.000	1460.000	730.900	1469.000
GR	731.400	1474.000	731.800	1479.000	738.200	1405.000	738.000	1500.000	737.800	1510.000
GR	732.100	1515.000	738.100	1520.000	738.400	1550.000	743.400	1700.000	749.000	1800.000
GR	753.200	1900.000	754.800	1936.000	0.0	0.0	0.0	0.0	0.0	0.0

22640

X1	22297.000	21.000	1498.000	1532.000	99.000	99.000	99.000	0.0	0.0	0.0
GR	759.000	1000.000	756.700	1024.000	738.600	1100.000	738.600	1450.000	738.900	1498.000
GR	739.000	1502.900	731.500	1506.200	730.600	1515.000	730.300	1516.400	729.700	1518.100
GR	729.300	1523.200	730.200	1526.900	731.500	1530.200	732.600	1532.000	739.400	1550.000
GR	744.600	1750.000	745.600	1800.000	748.500	1900.000	751.400	2000.000	757.300	2200.000
GR	759.000	2249.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.050	1.500	2.500	0.0	15.000	1.000	296.200	0.850	0.0	0.0

22661 RDNQ NCSR 1512 MXLCEL 741.2 RDELV 743.0

X1	22320.000	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	741.200	743.000	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	759.600	0.0	1100.000	753.600	0.0	1250.000	747.100	0.0
BT	1450.000	743.100	0.0	1497.000	743.000	0.0	1498.000	743.000	741.200	1532.000
BT	743.000	741.200	1532.100	743.000	0.0	1533.000	743.000	0.0	1550.000	743.200
BT	0.0	1750.000	744.700	0.0	1800.000	745.600	0.0	1900.000	748.500	0.0
BT	2000.000	751.400	0.0	2200.000	757.300	0.0	2249.000	759.000	0.0	0.0

22761

X1	22420.000	22.000	1460.000	1485.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	754.800	1000.000	747.000	1033.000	741.700	1095.000	739.600	1200.000	739.100	1300.000
GR	739.900	1400.000	732.700	1406.000	739.100	1412.000	739.000	1460.000	730.900	1469.000
GR	731.400	1474.000	731.800	1479.000	738.200	1405.000	738.000	1500.000	737.800	1510.000
GR	732.100	1515.000	738.100	1520.000	738.400	1550.000	743.400	1700.000	749.000	1800.000
GR	753.200	1900.000	754.800	1936.000	0.0	0.0	0.0	0.0	0.0	0.0

22830

X1	22440.000	0.0	0.0	0.0	780.000	780.000	780.000	0.0	2.120	0.0
IC	0.150	0.155	0.125	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	0.000	1000.000	1050.600	2250.000	3300.000	2250.000	0.0	0.0	0.0	0.0

24320

X1	23300.000	22.000	1500.000	1537.000	790.000	790.000	790.000	0.0	-2.120	0.0
GR	759.900	1000.000	756.700	1024.000	753.700	1059.000	753.100	1070.000	749.800	1083.000
GR	747.400	1150.000	740.500	1207.000	740.600	1211.000	744.000	1216.000	743.500	1250.000
GR	702.700	1330.000	744.400	1450.000	746.000	1500.000	738.000	1513.000	737.300	1521.000
GR	748.500	1530.000	745.900	1537.000	745.100	1550.000	744.500	1600.000	750.000	1654.000
GR	759.900	1850.000	741.100	1906.000	0.0	0.0	0.0	0.0	0.0	0.0

25100

X1	24270.000	0.0	0.0	0.0	780.000	780.000	780.000	0.0	2.120	0.0
IC	0.150	0.150	0.100	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	0.000	1000.000	1750.000	2090.000	3000.000	2090.000	0.0	0.0	0.0	0.0

26440

X1	26110.000	27.300	1455.000	1452.000	1340.000	1340.000	1340.000	0.0	-1.200	0.0
GR	773.100	1000.000	769.300	1027.000	767.800	1050.000	762.300	1132.000	757.300	1163.000
GR	757.000	1173.000	750.700	1186.000	750.700	1200.000	750.600	1250.000	750.100	1300.000
GR	744.900	1400.000	750.300	1435.000	744.400	1439.000	743.700	1444.000	744.600	1449.000
GR	759.000	1452.000	748.900	1500.000	746.700	1550.000	749.300	1600.000	749.500	1650.000
GR	747.400	1654.000	747.200	1639.000	750.500	1661.000	750.100	1700.000	752.900	1800.000
GR	760.500	1900.000	756.000	1946.000	0.0	0.0	0.0	0.0	0.0	0.0

26540

X1	26210.000	14.000	1411.000	1444.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	757.500	1000.000	756.000	1151.000	750.600	1356.000	750.500	1411.000	748.100	1413.800
GR	745.700	1424.000	743.600	1426.700	743.100	1431.500	743.400	1435.800	748.600	1441.100
GR	749.300	1444.000	750.900	1620.000	760.200	1477.000	769.900	1991.000	0.0	0.0

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51.52

T1 DAVIDSON CO. BASIN D STREAM 1. FRYES CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	ING	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	687.470	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECHO 3600.000

2800 NAT Q1= 445.36 WSEL= 686.47 ENC Q1= 445.36 WSEL= 687.27 RATIO= 0.0

NAT Q1= 670. RATIOS LOR,CH,POB= 0.0 0.5136 0.4854 WSEL= 687.27

SECHO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLO	QCH	QROB	ALOB	ACH	AROR	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VPOB	XBL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	TDC	ICONT	COPAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS=	1277.0	1478.8	TYPE=	4	TARGET=	0.336			
3600.00	9.47	687.47	0.0	686.47	688.27	0.80	0.0	0.0	687.50
3150.	0.	2359.	791.	0.	289.	313.	0.	0.	686.20
0.0	0.0	8.16	2.53	0.060	0.040	0.060	0.0	679.00	1277.03
0.004299	3600.	3600.	3600.	0	0	0	0.0	201.73	1478.76

*SECHO 3700.000

2800 NAT Q1= 884.05 WSEL= 687.24 ENC Q1= 884.05 WSEL= 688.04 RATIO= 0.0

NAT Q1= 1155. RATIOS LOR,CH,POB= 0.0892 0.3446 0.5660 WSEL= 688.04

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	1380.2	1557.8	TYPE=	4	TARGET=	0.235			
3700.00	10.19	688.29	0.0	687.24	688.52	0.23	0.20	0.06	679.80
3150.	217.	1394.	1538.	92.	269.	662.	2.	0.	683.10
0.01	2.37	5.18	2.33	0.060	0.040	0.060	0.040	678.10	1380.23
0.001120	100.	100.	100.	2	0	0	0.0	177.52	1557.76

SPECIAL BRIDGE

5070.VARIABLE ELCHD OR ELCHD ON CARD SB NOT SPECIFIED

SB XB XCOR COFO ROLEN RWC RWP BAREA SS EI CHU FLCHD

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 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

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP	
									L	R			
3600.000	2600.00	0.0	0.0	3150.00	678.00	686.47	0.0	8.12	1278.01	1710.79	690.55	0.0	
3600.000	3600.00	0.0	0.0	3150.00	678.00	687.47	0.0	8.16	1277.031216	1478.76	601.76	1.00	
									19	183			
3700.000	100.00	0.0	0.0	3150.00	678.10	687.24	0.0	5.10	1357.04	1667.64	1188.93	0.0	
3700.000	100.00	0.0	0.0	3150.00	678.10	688.29	0.0	5.18	1380.23	1557.76	1022.23	1.05	
3719.000	19.00	689.00	638.40	3150.00	678.10	637.26	0.0	5.08	1356.97	1667.80	1193.09	0.0	
3719.000	19.00	689.00	638.40	3150.00	678.10	689.06	0.0	4.13	1353.11	1677.43	1447.09	0.80	
3819.000	100.00	0.0	0.0	3150.00	678.20	687.33	0.0	6.11	1277.37	1727.51	981.94	0.0	
3819.000	100.00	0.0	0.0	3150.00	678.20	688.32	0.0	6.19	1275.631216	1511.95	845.91	1.00	
									20	216			
6050.000	2231.00	0.0	0.0	3100.00	684.30	694.05	694.05	4.8	9.48	1233.8813	1618.83	645.84	0.0
6050.000	2231.00	0.0	0.0	3100.00	684.30	693.63	693.63	12.68	1331.07	1434.96	273.50	-0.42	
									129	256			
9290.000	3240.00	0.0	0.0	3000.00	695.50	703.28	703.28	4.9	9.72	1122.95	1438.92	615.34	0.0
9290.000	3240.00	0.0	0.0	3000.00	695.50	704.91	0.0	8.80	1149.661171	1261.18	514.26	1.63	
									28	84			
12186.000	4896.00	0.0	0.0	2900.00	705.00	714.91	0.0	5.71	1180.08	1684.79	1018.92	0.0	
12186.000	5896.00	0.0	0.0	2900.00	705.00	715.28	0.0	6.93	1297.721357	1498.31	646.37	0.37	
									70	131			
13286.000	100.00	0.0	0.0	2900.00	706.70	714.60	0.0	8.93	1277.01	1401.36	324.59	0.0	
13286.000	100.00	0.0	0.0	2900.00	706.70	715.39	0.0	7.79	1276.42	1340.88	372.43	0.79	
13314.000	28.00	723.70	723.60	2900.00	706.70	715.00	0.0	8.31	1249.98	1472.97	362.98	0.0	
13314.000	28.00	723.70	723.60	2900.00	706.70	715.80	0.0	6.86	1232.92	1657.29	550.73	0.80	
13414.000	100.00	0.0	0.0	2900.00	708.40	717.43	717.43	8.08	6.65	1214.211367	1650.26	593.56	0.0
13414.000	100.00	0.0	0.0	2900.00	708.40	717.32	717.32	11.56	1336.22	1435.67	274.56	-0.10	
									153	283			
15490.000	2076.00	0.0	0.0	2730.00	713.10	721.38	0.0	4.26	1215.18	1778.62	1485.20	0.0	
15490.000	2076.00	0.0	0.0	2730.00	713.10	722.35	0.0	4.12	1403.011582	1676.58	1246.63	0.97	
									179	95			
17289.000	1799.00	0.0	0.0	2700.00	715.40	723.55	723.55	9.13	1368.091685	1768.20	549.77	0.0	
17289.000	1799.00	0.0	0.0	2700.00	715.40	724.16	724.16	9.76	1556.27	1727.27	425.54	0.60	
									317	83			
17489.000	200.00	0.0	0.0	2700.00	716.50	724.86	724.86	11.29	1566.42	1662.05	293.74	0.0	
17489.000	200.00	0.0	0.0	2700.00	716.50	725.35	0.0	11.35	1624.00	1663.00	237.93	0.49	

SFCNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWS
17711												
17510.000	21.00	729.50	727.60	2700.00	716.50	724.86	0.0	11.28	1566.36	1662.07	294.02	0.0
17510.000	21.00	729.50	727.60	2700.00	716.50	725.46	0.0	9.76	1553.09	1710.46	367.05	0.60
17911												
17710.000	200.00	0.0	0.0	2700.00	717.60	727.26	0.0	4.49	1203.03	1799.13	1266.41	0.0
17710.000	200.00	0.0	0.0	2700.00	717.60	727.78	0.0	4.86	1454.88	1631.77	1023.99	0.52
185.01												
184.600	750.00	0.0	0.0	2700.00	719.11	728.38	0.0	5.33	1211.38	1791.24	1040.57	0.0
184.600	750.00	0.0	0.0	2700.00	719.11	728.94	0.0	5.71	1479.45	1743.58	853.50	0.56
115.41												
192.000	740.00	0.0	0.0	2500.00	720.59	729.89	729.77	8.69	1062.71	1533.79	611.21	0.0
192.000	740.00	0.0	0.0	2500.00	720.59	730.43	0.0	9.32	1195.55	1441.73	502.32	0.54
192.000	750.00	0.0	0.0	2500.00	722.10	732.05	0.0	6.23	1048.88	1543.44	922.20	0.0
19450.000	750.00	0.0	0.0	2500.00	722.10	732.74	0.0	6.35	1177.80	1457.06	790.24	0.69
22541												
22200.000	2250.00	0.0	0.0	2400.00	726.70	736.52	0.0	6.03	1143.58	1619.85	888.98	0.0
22200.000	2250.00	0.0	0.0	2400.00	726.70	737.06	0.0	6.47	1315.66	1527.91	673.77	0.54
22640												
22299.000	99.00	0.0	0.0	2400.00	729.30	739.16	739.16	8.25	1097.65	1549.36	510.02	0.0
22299.000	99.00	0.0	0.0	2400.00	729.30	736.82	736.82	14.07	1503.86	1533.31	174.58	-2.34
22320.000	21.00	743.00	741.20	2400.00	729.30	739.26	0.0	7.87	1097.21	1549.64	558.14	0.0
22320.000	21.00	743.00	741.20	2400.00	729.30	739.86	0.0	5.96	1094.69	1567.88	834.64	0.60
22420.000	100.00	0.0	0.0	2400.00	730.90	739.90	739.90	4.09	1184.81	1595.11	523.35	0.0
22420.000	100.00	0.0	0.0	2400.00	730.90	739.91	739.91	11.29	1403.62	1515.87	317.46	0.01
23200.000	780.00	0.0	0.0	2400.00	733.02	743.11	0.0	5.30	1130.14	1627.92	1019.88	0.0
23200.000	780.00	0.0	0.0	2400.00	733.02	743.92	0.0	5.25	1300.90	1534.87	850.22	0.81
23300.000	790.00	0.0	0.0	2250.00	735.10	745.30	0.0	2.53	1149.38	1628.69	1492.25	0.0
23300.000	790.00	0.0	0.0	2250.00	735.10	745.92	0.0	2.65	1275.59	1594.17	1338.72	0.62
24720.000	780.00	0.0	0.0	2250.00	737.30	747.83	0.0	2.21	1133.05	1632.67	1689.93	0.0
24770.000	780.00	0.0	0.0	2250.00	737.30	748.43	0.0	2.32	1257.55	1596.70	1510.31	0.60
25110.000	1740.00	0.0	0.0	2090.00	742.50	750.47	0.0	3.93	1183.99	1756.16	1163.37	0.0
25110.000	1740.00	0.0	0.0	2090.00	742.50	751.06	0.0	4.19	1319.50	1601.21	916.70	0.59
25210.000	100.00	0.0	0.0	2090.00	743.10	751.38	751.38	8.28	1323.41	1633.32	466.22	0.0
25210.000	100.00	0.0	0.0	2090.00	743.10	751.16	751.16	10.99	1392.18	1473.24	233.80	-0.23
25230.000	20.00	758.70	752.20	2090.00	743.10	751.38	0.0	8.28	1323.38	1633.34	466.45	0.0
25230.000	20.00	758.70	752.20	2090.00	743.10	751.19	751.19	10.87	1392.15	1473.28	236.82	-0.19
25350.000	100.00	0.0	0.0	2090.00	743.70	752.34	0.0	2.79	1182.62	1779.97	1553.13	0.0
25350.000	100.00	0.0	0.0	2090.00	743.70	753.13	0.0	2.79	1294.67	1628.22	1358.03	0.78
27000.000	1870.00	0.0	0.0	1870.00	750.60	754.26	0.0	7.45	1058.88	1579.44	571.10	0.0
27000.000	1870.00	0.0	0.0	1870.00	750.60	754.78	0.0	8.78	1069.42	1428.14	473.93	0.52

SUMMARY OF ERRORS

369.72

322

CAUTION SECONDS: 6050.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECONDS: 6050.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION	SECNO= 6050.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6050.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 9290.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9290.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=13414.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=13414.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=13414.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=17289.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17289.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17289.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17289.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=17489.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=17489.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22299.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22299.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22299.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22299.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=22320.000	PROFILE= 2	HYDRAULIC JUMP D.S.
CAUTION	SECNO=22420.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22420.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22420.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=22420.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=22420.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=26210.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=26210.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=26210.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=26210.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=26210.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=26210.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL

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
A 3600.000	232.	602.	5.2	687.5	686.5	1.0
3700.000	178.	1022.	3.1	608.2	687.2	1.0
3719.000	374.	1447.	2.2	688.1	687.3	0.8
B 3819.000	236.	846.	8.7	688.3	687.3	1.0
C 6050.000	187.	575.	11.8	693.8	694.1	-0.3
D 9290.000	112.	514.	5.8	704.9	703.3	1.6
E 11182.000	201.	646.	4.5	715.3	714.9	0.4
13286.000	64.	372.	7.8	715.4	714.6	0.8
13314.000	352.	551.	5.3	715.8	715.0	0.8
F 13414.000	138.	275.	10.6	717.4	717.4	0.0
G 15480.000	274.	1247.	2.2	722.4	721.4	1.0
H 17258.000	171.	426.	6.9	724.2	723.6	0.6
17489.000	39.	238.	11.3	725.4	724.9	0.5
17510.000	157.	367.	7.4	725.5	724.9	0.6
I 17770.000	293.	1024.	2.6	727.6	727.3	0.3
184.600	264.	854.	3.2	729.0	728.4	0.6
182.000	251.	502.	5.0	730.4	729.9	0.5
J 19150.000	279.	790.	3.2	732.7	732.0	0.7
K 20200.000	212.	674.	3.6	737.0	736.5	0.5
22299.000	29.	175.	13.7	737.0	739.2	-2.2
22320.000	477.	435.	2.3	739.9	739.3	0.6
L 22420.000	112.	517.	7.4	739.9	739.9	0.0
23200.000	234.	550.	2.8	743.9	743.1	0.8
23993.000	319.	1339.	1.7	745.9	745.3	0.6
M 24770.000	329.	1510.	1.5	748.4	747.8	0.6
N 25110.000	242.	917.	2.3	751.1	750.5	0.6
26210.000	81.	234.	8.9	751.3	751.4	-0.1
26230.000	81.	237.	8.8	751.3	751.4	-0.1
O 26320.000	374.	1338.	1.6	753.1	752.3	0.8
P 27604.000	374.	474.	3.9	754.8	754.3	0.5

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