

VC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1290.000	2180.000	2680.000	4185.000	2680.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	200.000	22.000	636.000	660.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	696.700	0.0	693.600	45.000	690.200	135.000	689.500	185.000	691.300	222.000
GR	586.900	255.000	684.600	285.000	683.400	300.000	682.300	420.000	682.300	580.000
GR	604.500	625.000	683.800	636.000	676.900	640.000	676.200	646.000	676.200	652.000
GR	682.800	660.000	682.400	675.000	684.300	685.000	686.100	740.000	692.800	875.000
GR	693.800	960.000	696.700	1071.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1280.000	2155.000	2650.000	4140.000	2650.000	0.0	0.0	0.0	0.0

X1	2075.000	19.000	245.000	275.000	1875.000	1875.000	1875.000	0.0	0.0	0.0
GR	697.100	0.0	691.000	85.000	692.000	93.000	687.200	110.000	686.200	150.000
GR	686.900	230.000	688.000	240.000	687.900	245.000	681.500	255.000	681.900	200.000
GR	682.300	265.000	686.800	275.000	686.100	305.000	686.900	330.000	688.100	400.000
GR	689.100	440.000	690.500	460.000	691.900	500.000	692.800	550.000	0.0	0.0

X1	2160.000	12.000	350.000	380.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	703.400	0.0	698.700	80.000	692.000	210.000	692.200	350.000	681.900	350.100
GR	679.900	353.000	679.900	378.000	681.900	379.900	692.200	380.000	692.100	500.000
GR	696.000	590.000	703.000	676.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	30.000	0.010	316.000	0.0	0.0	0.0

RDND 1512 MXLCEL 690,6 RDELV 692,2

X1	2190.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	690.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	0.0	703.400	0.0	80.000	698.700	0.0	210.000	692.000	0.0
BT	350.000	692.200	690.600	380.000	692.200	690.600	500.000	692.100	0.0	590.000
BT	696.000	0.0	676.000	703.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	2275.000	19.000	380.000	410.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	693.500	0.0	692.300	90.000	689.700	145.000	687.600	250.000	688.700	270.000
GR	685.600	280.000	687.300	285.000	686.900	380.000	682.200	385.000	681.500	395.000
GR	682.000	400.000	687.100	410.000	687.300	460.000	689.900	490.000	690.100	495.000
GR	694.800	508.000	696.400	520.000	696.600	530.000	699.000	560.000	0.0	0.0
QT	5.000	1260.000	2130.000	2620.000	4100.000	2620.000	0.0	0.0	0.0	0.0

X1	4725.000	24.000	365.000	380.000	2450.000	2450.000	2450.000	0.0	0.0	0.0
GR	704.000	0.0	702.500	15.000	692.600	40.000	690.800	60.000	691.400	80.000
GR	690.200	110.000	691.200	190.000	690.700	240.000	692.000	340.000	692.800	360.000
						373.000	689.100	376.000	692.500	380.000

QT	5,000	1260,000	2150,000	2620,000	4100,000	2620,000	0,0	0,0	0,0	0,0
X1	4725,000	24,000	365,000	380,000	2450,000	2450,000	2050,000	0,0	0,0	0,0
GR	704,000	0,0	702,500	15,000	692,600	40,000	690,800	60,000	691,400	80,000
GR	690,200	110,000	691,200	190,000	690,700	240,000	692,000	340,000	692,800	360,000
GR	692,600	365,000	689,600	366,000	689,100	373,000	689,100	376,000	692,500	380,000
GR	691,600	420,000	692,300	470,000	691,100	475,000	692,000	480,000	691,400	490,000
GR	691,200	550,000	695,300	580,000	702,200	605,000	706,300	615,000	0,0	0,0
QT	5,000	1220,000	2100,000	2550,000	3970,000	2550,000	0,0	0,0	0,0	0,0

X1	6225,000	29,000	330,000	354,000	1500,000	1500,000	1500,000	0,0	0,0	0,0
GR	705,100	0,0	701,300	40,000	698,500	55,000	694,200	105,000	695,200	110,000
GR	693,400	170,000	693,000	215,000	694,000	220,000	694,200	265,000	695,200	310,000
GR	695,000	330,000	689,400	335,000	690,400	350,000	694,600	354,000	693,800	360,000
GR	695,200	365,000	694,800	400,000	693,800	420,000	694,600	435,000	694,000	445,000
GR	695,000	455,000	694,000	490,000	694,400	520,000	693,600	535,000	694,600	690,000
GR	695,700	705,000	695,600	730,000	696,300	745,000	704,600	774,000	0,0	0,0

X1	6310,000	13,000	430,000	460,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	713,300	0,0	709,200	50,000	701,700	190,000	698,800	320,000	700,000	430,000
GR	691,700	430,100	690,000	432,000	690,000	458,000	691,700	459,900	700,000	460,000
GR	702,000	490,000	705,100	630,000	709,900	710,000	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	30,000	0,010	237,000	0,0	0,0	0,0

RDNJ 1506 MXLCEL 698,0 RDELV 700,0

X1	6340,000	0,0	0,0	0,0	30,000	30,000	30,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	698,000	0,0	0,0	0,0	0,0	0,0	0,0
BT	9,000	0,0	713,300	0,0	50,000	709,200	0,0	190,000	701,700	0,0
BT	320,000	698,800	0,0	430,000	700,000	698,000	460,000	700,000	698,000	490,000
BT	702,000	0,0	630,000	705,100	0,0	710,000	709,900	0,0	0,0	0,0

X1	6425,000	26,000	450,000	467,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	710,800	0,0	701,000	100,000	697,000	190,000	695,800	194,000	694,400	280,000
GR	694,200	315,000	694,400	365,000	696,200	370,000	694,000	375,000	694,000	405,000
GR	694,400	430,000	695,600	435,000	694,800	450,000	690,600	454,000	691,000	459,000
GR	691,400	464,000	695,400	467,000	694,200	470,000	695,000	475,000	694,400	547,000
GR	694,300	588,000	695,600	602,000	694,800	610,000	696,200	652,000	699,300	667,000
GR	703,900	689,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
QT	5,000	1155,000	2030,000	2425,000	3735,000	2425,000	0,0	0,0	0,0	0,0

X1	10225,000	20,000	595,000	618,000	3800,000	3800,000	3800,000	0,0	0,0	0,0
GR	724,700	0,0	712,400	190,000	706,000	347,000	703,000	354,000	699,300	480,000
GR	691,300	0,0	697,000	596,000	692,700	600,000	691,300	607,000	691,100	611,000

SR	694,300	500,000	695,600	602,000	670,000	610,000	696,200	652,000	699,500	667,000
GR	703,900	689,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5,000	1155,000	2050,000	2425,000	3735,000	2425,000	0.0	0.0	0.0	0.0

X1	10225,000	20,000	595,000	618,000	3800,000	3800,000	5800,000	0.0	0.0	0.0
GR	724,700	0.0	712,400	190,000	706,000	347,000	703,000	354,000	699,300	480,000
GR	696,200	520,000	697,800	595,000	693,700	600,000	691,300	607,000	691,100	613,000
GR	697,400	618,000	698,000	650,000	696,500	880,000	695,400	895,000	696,900	985,000
GR	696,900	1080,000	702,000	1090,000	706,600	1105,000	719,500	1165,000	725,100	1200,000

X1	11307,000	14,000	1456,000	1477,000	1082,000	1082,000	1082,000	0.0	0.0	0.0
GR	717,800	1000,000	711,800	1100,000	704,800	1200,000	702,000	1300,000	701,300	1400,000
GR	703,400	1456,000	697,500	1460,000	696,600	1463,000	697,300	1471,000	701,600	1477,000
GR	702,700	1500,000	702,300	1600,000	709,600	1700,000	717,800	1777,000	0.0	0.0
QT	5,000	1110,000	1955,000	2335,000	3475,000	2335,000	0.0	0.0	0.0	0.0

X1	11862,000	18,000	1651,000	1680,000	555,000	555,000	555,000	0.0	0.0	0.0
GR	728,400	1000,000	725,000	1100,000	722,200	1200,000	719,300	1300,000	715,700	1400,000
GR	711,700	1458,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000
GR	702,300	1662,000	703,300	1670,000	707,000	1674,000	711,100	1680,000	711,800	1700,000
GR	718,100	1800,000	722,000	1900,000	723,500	1954,000	0.0	0.0	0.0	0.0

X1	11937,000	24,000	1700,000	1750,000	75,000	75,000	75,000	0.0	0.0	0.0
GR	732,100	950,000	730,700	1000,000	727,900	1100,000	724,600	1200,000	721,800	1300,000
GR	718,900	1400,000	716,800	1500,000	715,100	1600,000	707,600	1700,000	707,100	1707,000
GR	703,800	1709,000	703,600	1719,000	703,800	1728,000	707,200	1733,000	708,200	1750,000
GR	715,100	1800,000	715,400	1900,000	717,000	2000,000	719,800	2100,000	722,500	2200,000
GR	724,500	2300,000	726,300	2400,000	728,500	2500,000	730,900	2600,000	0.0	0.0
SB	0.900	1,500	2,500	0.0	50,000	0.010	339,000	0.0	0.0	0.0

RDNO 1509 MXLCEL 712,6 RDELV 715,1

X1	11963,000	0.0	0.0	0.0	26,000	26,000	26,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	712,600	715,100	0.0	0.0	0.0	0.0	0.0
BT	19,000	950,000	732,100	0.0	1000,000	730,700	0.0	1100,000	727,900	0.0
BT	1200,000	724,600	0.0	1300,000	721,800	0.0	1400,000	718,900	0.0	1500,000
BT	716,800	0.0	1600,000	715,100	0.0	1700,000	715,200	712,600	1750,000	715,100
BT	712,600	1800,000	715,100	0.0	1900,000	715,400	0.0	2000,000	717,000	0.0
BT	2100,000	719,800	0.0	2200,000	722,500	0.0	2300,000	724,500	0.0	2400,000
BT	726,300	0.0	2500,000	728,500	0.0	2600,000	730,900	0.0	0.0	0.0

X1	12038,000	18,000	1651,000	1680,000	75,000	75,000	75,000	0.0	0.600	0.0
GR	728,400	1000,000	725,000	1100,000	722,200	1200,000	719,300	1300,000	715,700	1400,000
GR	711,700	1458,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000

BT	712,000	1000,000	715,100	0,0	1900,000	715,400	0,0	2000,000	717,000	0,0
BT	2100,000	719,800	0,0	2200,000	722,500	0,0	2300,000	724,500	0,0	2400,000
BT	726,300	0,0	2500,000	728,500	0,0	2600,000	730,900	0,0	0,0	0,0

X1	12038,000	18,000	1651,000	1680,000	75,000	75,000	75,000	0,0	0,600	0,0
J GR	728,400	1000,000	725,000	1100,000	722,200	1200,000	719,300	1300,000	715,700	1400,000
GR	711,700	1450,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000
GR	702,300	1662,000	703,300	1670,000	707,000	1674,000	711,100	1680,000	711,800	1700,000
GR	718,100	1800,000	722,000	1900,000	723,500	1954,000	0,0	0,0	0,0	0,0
QT	5,000	940,000	1675,000	2014,000	2907,000	2014,000	0,0	0,0	0,0	0,0

X1	15245,000	12,000	1261,000	1276,000	3207,000	3207,000	3207,000	0,0	0,0	0,0
K GR	732,400	1000,000	726,100	1100,000	716,100	1200,000	714,400	1261,000	709,700	1265,000
GR	709,500	1268,000	710,300	1272,000	715,500	1276,000	714,700	1300,000	714,100	1400,000
GR	715,700	1500,000	730,600	1564,000	0,0	0,0	0,0	0,0	0,0	0,0
QT	5,000	780,000	1410,000	1710,000	2425,000	1710,000	0,0	0,0	0,0	0,0

X1	18190,000	13,000	1400,000	1415,000	2945,000	2945,000	2945,000	0,0	-2,000	0,0
L GR	744,500	950,000	741,100	1000,000	734,200	1100,000	728,700	1200,000	726,000	1300,000
GR	727,100	1400,000	721,800	1403,000	722,400	1406,000	722,700	1411,000	726,100	1415,000
GR	731,900	1500,000	740,300	1600,000	743,000	1630,000	0,0	0,0	0,0	0,0

X1	18265,000	18,000	1500,000	1536,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	750,700	1000,000	740,000	1100,000	734,000	1200,000	730,700	1300,000	729,700	1400,000
GR	731,100	1500,000	724,700	1500,000	724,700	1503,000	722,700	1506,000	721,400	1513,000
GR	722,300	1517,000	724,900	1520,000	724,900	1536,000	731,100	1536,000	732,200	1600,000
GR	737,300	1700,000	743,700	1800,000	748,000	1900,000	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	36,000	0,010	178,000	0,0	0,0	0,0

RDND 1534 MXLCEL 729,0 RDELV 731,1

X1	18286,000	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	729,000	729,700	0,0	0,0	0,0	0,0	0,0
BT	11,000	1000,000	750,700	0,0	1100,000	740,000	0,0	1200,000	734,000	0,0
BT	1300,000	730,700	0,0	1400,000	729,700	0,0	1500,000	731,100	729,000	1536,000
V BT	731,100	728,900	1600,000	732,200	0,0	1700,000	737,300	0,0	1800,000	743,700
BT	0,0	1900,000	748,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0

X1	18361,000	13,000	1400,000	1415,000	75,000	75,000	75,000	0,0	0,0	0,0
M GR	744,500	950,000	741,100	1000,000	734,200	1100,000	728,700	1200,000	726,000	1300,000
GR	727,100	1400,000	721,800	1403,000	722,400	1406,000	722,700	1411,000	726,100	1415,000
GR	731,900	1500,000	740,300	1600,000	743,000	1630,000	0,0	0,0	0,0	0,0
QT	5,000	640,000	1175,000	1435,000	2065,000	1435,000	0,0	0,0	0,0	0,0

 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

10 YEAR FLOOD WATER SURF
 SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	FLLC	W	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
200.000	200.00	0.0	0.0	1290.00	676.20	684.20	0.0	3.89	289.94	684.50	689.56	0.0
200.000	200.00	0.0	0.0	2180.00	676.20	685.05	0.0	4.23	279.08	708.04	1036.55	0.85
200.000	200.00	0.0	0.0	2680.00	676.20	685.43	0.0	4.40	274.17	719.53	1201.01	0.38
200.000	200.00	0.0	0.0	4185.00	676.20	686.41	0.0	4.77	261.44	746.17	1655.92	0.98
2075.000	1875.00	0.0	0.0	1280.00	681.50	688.99	0.0	3.27	103.68	435.43	728.41	0.0
2075.000	1875.00	0.0	0.0	2155.00	681.50	689.92	0.0	3.73	100.38	451.67	1047.70	0.93
2075.000	1875.00	0.0	0.0	2650.00	681.50	690.35	0.0	3.93	98.61	457.98	1204.62	0.44
2075.000	1875.00	0.0	0.0	4140.00	681.50	691.44	0.0	4.46	78.82	486.97	1613.42	1.09
2160.000	85.00	0.0	0.0	1280.00	679.90	689.03	0.0	4.78	350.03	379.97	267.68	0.0
2160.000	85.00	0.0	0.0	2155.00	679.90	689.71	0.0	7.48	350.02	379.98	288.06	0.68
2160.000	85.00	0.0	0.0	2650.00	679.90	689.92	0.0	9.00	350.02	379.98	294.60	0.21
2160.000	85.00	0.0	0.0	4140.00	679.90	689.85	0.0	14.14	350.02	379.98	292.73	-0.07
2190.000	30.00	692.00	690.60	1280.00	679.90	689.03	0.0	4.78	350.03	379.97	267.68	0.0
2190.000	30.00	692.00	690.60	2155.00	679.90	689.71	0.0	7.48	350.02	379.98	288.04	0.68
2190.000	30.00	692.00	690.60	2650.00	679.90	690.42	0.0	8.57	350.02	379.98	309.39	0.71
2190.000	30.00	692.00	690.60	4140.00	679.90	689.84	0.0	14.17	350.02	379.98	292.11	-0.58
2275.000	85.00	0.0	0.0	1280.00	681.50	689.52	0.0	3.41	154.18	485.57	721.87	0.0
2275.000	85.00	0.0	0.0	2155.00	681.50	690.81	0.0	3.47	121.46	496.97	1185.25	1.30
2275.000	85.00	0.0	0.0	2650.00	681.50	691.80	0.0	3.15	100.61	499.70	1566.98	0.99
2275.000	85.00	0.0	0.0	4140.00	681.50	693.42	0.0	3.30	6.12	504.18	2278.71	1.62

2190,000	30,00	692,00	690,60	1280,00	679,90	689,03	0,0	4,78	350,03	379,97	267,68	0,0
2190,000	30,00	692,00	690,60	2155,00	679,90	689,71	0,0	7,48	350,02	379,98	288,04	0,68
2190,000	30,00	692,00	690,60	2650,00	679,90	690,42	0,0	8,57	350,02	379,98	309,39	0,71
2190,000	30,00	692,00	690,60	4140,00	679,90	689,84	0,0	14,17	350,02	379,98	292,11	-0,58
2275,000	85,00	0,0	0,0	1280,00	681,50	689,52	0,0	3,41	154,18	485,57	721,87	0,0
2275,000	85,00	0,0	0,0	2155,00	681,50	690,81	0,0	3,47	121,46	496,97	1185,25	1,30
2275,000	85,00	0,0	0,0	2650,00	681,50	691,80	0,0	3,15	100,61	499,70	1566,98	0,99
2275,000	85,00	0,0	0,0	4140,00	681,50	693,42	0,0	3,30	6,12	508,18	2278,71	1,62
4725,000	2450,00	0,0	0,0	1260,00	689,10	693,47	0,0	1,09	37,82	566,57	1118,67	0,0
4725,000	2450,00	0,0	0,0	2130,00	689,10	694,31	0,0	2,15	35,67	572,80	1572,54	0,84
4725,000	2450,00	0,0	0,0	2620,00	689,10	694,72	0,0	2,28	34,67	575,70	1786,13	0,40
4725,000	2450,00	0,0	0,0	4100,00	689,10	695,96	0,0	2,47	31,53	582,37	2465,43	1,24
6225,000	1500,00	0,0	0,0	1220,00	689,40	695,77	0,0	2,72	86,67	733,79	1007,42	0,0
6225,000	1500,00	0,0	0,0	2100,00	689,40	696,53	0,0	2,91	77,84	745,82	1507,76	0,76
6225,000	1500,00	0,0	0,0	2550,00	689,40	696,89	0,0	2,95	73,65	747,08	1749,58	0,35
6225,000	1500,00	0,0	0,0	3970,00	689,40	697,88	0,0	3,10	62,25	750,51	2416,85	0,99
6310,000	85,00	0,0	0,0	1220,00	690,00	695,51	0,0	7,57	430,05	459,95	161,26	0,0
* 6310,000	85,00	0,0	0,0	2100,00	690,00	695,45	695,45	13,18	430,05	459,94	159,29	-0,06
* 6310,000	85,00	0,0	0,0	2550,00	690,00	696,19	696,15	14,06	430,05	459,95	181,37	0,74
* 6310,000	85,00	0,0	0,0	3970,00	690,00	698,36	698,36	16,10	430,02	459,98	246,53	2,18

SECND	XLCH	ELTRD	ELLC	Q	ELMTH	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
6340,000	30,00	698,80	698,00	1220,00	690,00	695,51	0,0	7,57	430,05	459,95	161,16	0,0
6340,000	30,00	698,80	698,00	2100,00	690,00	695,46	0,0	13,16	430,05	459,95	159,54	-0,05
6340,000	30,00	698,80	698,00	2550,00	690,00	696,40	0,0	13,55	430,04	459,96	188,17	0,95
6340,000	30,00	698,80	698,00	3970,00	690,00	701,42	0,0	8,94	202,44	481,33	730,09	5,02
6425,000	85,00	0,0	0,0	1220,00	690,60	696,75	0,0	2,46	190,84	654,66	982,09	0,0
6425,000	85,00	0,0	0,0	2100,00	690,60	698,56	0,0	1,96	154,93	663,42	1858,33	1,82
6425,000	85,00	0,0	0,0	2550,00	690,60	699,64	0,0	1,75	130,67	668,61	2422,48	1,07
6425,000	85,00	0,0	0,0	3970,00	690,60	702,52	0,0	1,52	84,47	682,41	4073,66	2,89
10225,000	3800,00	0,0	0,0	1155,00	691,10	699,50	0,0	1,48	473,27	1085,09	1583,83	0,0
10225,000	3800,00	0,0	0,0	2030,00	691,10	700,55	697,81	1,70	437,47	1087,15	2247,10	1,06
10225,000	3800,00	0,0	0,0	2425,00	691,10	701,15	0,0	1,67	416,95	1088,34	2645,12	0,60
10225,000	3800,00	0,0	0,0	3735,00	691,10	703,34	0,0	1,51	353,21	1094,37	4200,05	2,19
* 11307,000	1082,00	0,0	0,0	1155,00	691,10	700,01	700,01					

6425.000	85.00	0.0	0.0	2550.00	690.60	699.64	0.0	1.70	130.67	682.41	4073.66	2.89
6425.000	85.00	0.0	0.0	3970.00	690.60	702.52	0.0	1.52	84.47	682.41	4073.66	2.89
10225.000	3800.00	0.0	0.0	1555.00	691.10	699.50	0.0	1.48	473.27	1085.09	1583.83	0.0
10225.000	3800.00	0.0	0.0	2050.00	691.10	700.55	697.81	1.70	437.47	1087.15	2247.10	1.06
10225.000	3800.00	0.0	0.0	2425.00	691.10	701.15	0.0	1.67	416.95	1088.34	2645.12	0.60
10225.000	3800.00	0.0	0.0	3735.00	691.10	703.34	0.0	1.51	353.21	1094.37	4290.05	2.19
11307.000	1082.00	0.0	0.0	1555.00	696.60	702.91	702.91	7.17	1267.33	1608.42	333.91	0.0
11307.000	1082.00	0.0	0.0	2050.00	696.60	703.40	703.40	8.69	1249.98	1615.08	502.24	0.49
11307.000	1082.00	0.0	0.0	2425.00	696.60	703.57	703.57	9.21	1243.96	1617.39	564.44	0.17
11307.000	1082.00	0.0	0.0	3735.00	696.60	704.04	704.04	10.56	1227.26	1623.79	744.43	0.47
11862.000	555.00	0.0	0.0	1110.00	702.30	709.51	0.0	6.71	1487.61	1677.68	267.15	0.0
11862.000	555.00	0.0	0.0	1955.00	702.30	710.61	0.0	6.97	1472.77	1679.28	484.35	1.09
11862.000	555.00	0.0	0.0	2335.00	702.30	710.98	0.0	7.12	1467.69	1679.85	562.72	0.38
11862.000	555.00	0.0	0.0	3475.00	702.30	711.91	0.0	7.65	1454.99	1701.71	773.67	0.92
11937.000	75.00	0.0	0.0	1110.00	703.60	710.33	0.0	4.50	1663.58	1765.45	291.75	0.0
11937.000	75.00	0.0	0.0	1955.00	703.60	711.18	0.0	6.35	1652.26	1771.60	385.61	0.85
11937.000	75.00	0.0	0.0	2335.00	703.60	711.51	0.0	6.99	1647.82	1774.01	425.52	0.33
11937.000	75.00	0.0	0.0	3475.00	703.60	712.30	0.0	8.69	1637.26	1779.75	532.89	0.80
11963.000	26.00	715.10	712.60	1110.00	703.60	710.33	0.0	4.50	1663.58	1765.44	291.72	0.0
11963.000	26.00	715.10	712.60	1955.00	703.60	711.18	0.0	6.35	1652.26	1771.60	385.63	0.85
11963.000	26.00	715.10	712.60	2335.00	703.60	711.51	0.0	7.00	1647.87	1773.98	426.02	0.33
11963.000	26.00	715.10	712.60	3475.00	703.60	714.35	0.0	5.81	1609.89	1794.63	868.77	2.85
12038.000	75.00	0.0	0.0	1110.00	702.90	710.73	0.0	4.93	1479.31	1678.58	386.37	0.0
12038.000	75.00	0.0	0.0	1955.00	702.90	711.95	0.0	5.19	1462.70	1687.23	642.76	1.22
12038.000	75.00	0.0	0.0	2335.00	702.90	712.41	0.0	5.31	1456.41	1700.15	749.65	0.46
12038.000	75.00	0.0	0.0	3475.00	702.90	714.82	0.0	4.10	1421.39	1738.50	1427.09	2.42
15245.000	3207.00	0.0	0.0	940.00	709.50	717.35	0.0	2.14	1187.45	1507.11	829.27	0.0
15245.000	3207.00	0.0	0.0	1875.00	709.50	718.47	0.0	2.45	1176.26	1511.91	1196.02	1.12
15245.000	3207.00	0.0	0.0	2014.00	709.50	718.89	0.0	2.57	1172.00	1513.74	1340.16	0.42
15245.000	3207.00	0.0	0.0	2907.00	709.50	719.64	0.0	3.02	1168.62	1516.92	1596.55	0.75
18190.000	2945.00	0.0	0.0	780.00	719.80	725.48	725.48	7.42	1245.23	1435.21	209.52	0.0
18190.000	2945.00	0.0	0.0	1410.00	719.80	726.03	726.03	8.89	1224.89	1443.26	321.63	0.55
18190.000	2945.00	0.0	0.0	1710.00	719.80	726.23	726.23	9.41	1217.28	1446.27	367.55	0.21
18190.000	2945.00	0.0	0.0	2425.00	719.80	727.22	726.56	7.64	1190.63	1460.66	614.78	0.98
18265.000	75.00	0.0	0.0	780.00	721.40	726.85	0.0	7.06	1500.00	1536.00	110.50	0.0
18265.000	75.00	0.0	0.0	1410.00	721.40	727.50	0.0	10.53	1500.00	1536.00	133.90	0.65
18265.000	75.00	0.0	0.0	1710.00	721.40	727.89	727.89	11.56	1500.00	1536.00	147.92	0.39
18265.000	75.00	0.0	0.0	2425.00	721.40	728.99	728.99	12.94	1500.00	1536.00	187.45	1.10

* 18190,000	2945,00	0,0	0,0	1710,00	719,80	726,23	726,23	9,41	1217,28	1446,27	367,55	0,21
18190,000	2945,00	0,0	0,0	2425,00	719,80	727,22	726,56	7,64	1190,63	1460,66	614,78	0,98
18265,000	75,00	0,0	0,0	780,00	721,40	726,85	0,0	7,06	1500,00	1536,00	110,50	0,0
18265,000	75,00	0,0	0,0	1410,00	721,40	727,50	0,0	10,53	1500,00	1536,00	133,90	0,65
* 18265,000	75,00	0,0	0,0	1710,00	721,40	727,89	727,89	11,56	1500,00	1536,00	147,92	0,39
* 18265,000	75,00	0,0	0,0	2425,00	721,40	728,99	728,99	12,94	1500,00	1536,00	187,45	1,10

SECNO	XLCH	ELTRD	ELIC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIF WSP
18286,000	21,00	729,70	729,00	780,00	721,40	726,85	0,0	7,06	1500,00	1536,00	110,51	0,0
18286,000	21,00	729,70	729,00	1410,00	721,40	727,50	0,0	10,53	1500,00	1536,00	133,93	0,65
18286,000	21,00	729,70	729,00	1710,00	721,40	728,14	0,0	10,89	1500,00	1536,00	156,99	0,64
18286,000	21,00	729,70	729,00	2425,00	721,40	729,13	0,0	12,58	1500,00	1536,00	192,72	0,99
18361,000	75,00	0,0	0,0	780,00	721,80	728,24	0,0	4,27	1217,02	1446,37	369,17	0,0
M 18361,000	75,00	0,0	0,0	1410,00	721,80	729,76	0,0	3,45	1180,70	1466,66	767,13	1,52
18361,000	75,00	0,0	0,0	1710,00	721,80	730,44	0,0	3,21	1168,27	1478,68	971,71	0,68
18361,000	75,00	0,0	0,0	2425,00	721,80	732,01	0,0	2,83	1139,88	1501,27	1496,52	1,56
192,820	921,00	0,0	0,0	640,00	726,00	731,23	0,0	2,54	1151,18	1418,54	484,30	0,0
192,820	921,00	0,0	0,0	1175,00	726,00	731,95	0,0	3,13	1138,19	1434,70	689,40	0,72
192,820	921,00	0,0	0,0	1435,00	726,00	732,30	0,0	3,26	1132,03	1442,37	794,05	0,35
192,820	921,00	0,0	0,0	2065,00	726,00	733,25	0,0	3,27	1115,16	1463,30	1105,13	0,95
203,590	1077,00	0,0	0,0	640,00	730,20	734,75	0,0	4,17	1163,30	1403,45	312,04	0,0
203,590	1077,00	0,0	0,0	1175,00	730,20	735,61	0,0	4,19	1148,06	1422,42	531,67	0,85
203,590	1077,00	0,0	0,0	1435,00	730,20	735,91	0,0	4,32	1142,60	1429,22	617,44	0,31
203,590	1077,00	0,0	0,0	2065,00	730,20	736,48	0,0	4,75	1132,53	1441,75	785,45	0,56
N 21435,000	1076,00	0,0	0,0	640,00	734,40	739,39	0,0	2,97	1155,44	1413,23	421,66	0,0
21435,000	1076,00	0,0	0,0	1175,00	734,40	740,10	0,0	3,56	1142,87	1428,88	613,12	0,71
21435,000	1076,00	0,0	0,0	1435,00	734,40	740,40	0,0	3,75	1137,49	1435,58	701,12	0,30
21435,000	1076,00	0,0	0,0	2065,00	734,40	741,06	0,0	4,06	1125,68	1450,27	906,96	0,66
O 24365,000	2930,00	0,0	0,0	510,00	743,60	748,79	0,0	3,38	1139,71	1208,55	180,68	0,0
24365,000	2930,00	0,0	0,0	960,00	743,60	750,23	0,0	4,19	1130,19	1307,16	290,98	1,43
24365,000	2930,00	0,0	0,0	1175,00	743,60	750,72	0,0	4,51	1126,90	1323,05	351,03	0,49
24365,000	2930,00	0,0	0,0	1720,00	743,60	751,62	0,0	5,15	1120,88	1352,22	509,41	0,90

24365.000	2930.00	0.0	0.0	510.00	743.60	748.79	0.0	3.38	1139.71	1208.55	180.68	0.0	
24365.000	2930.00	0.0	0.0	960.00	743.60	750.23	0.0	4.19	1130.19	1307.16	290.98	1.43	
24365.000	2930.00	0.0	0.0	1175.00	743.60	750.72	0.0	4.51	1126.90	1323.05	351.03	0.49	
24365.000	2930.00	0.0	0.0	1720.00	743.60	751.62	0.0	5.15	1120.88	1352.22	509.41	0.90	
24440.000	75.00	0.0	0.0	510.00	743.80	749.03	0.0	5.28	1600.00	1626.00	96.57	0.0	
24440.000	75.00	0.0	0.0	960.00	743.80	750.26	0.0	7.46	1504.41	1626.00	130.88	1.24	
24440.000	75.00	0.0	0.0	1175.00	743.80	750.65	0.0	8.38	1503.78	1626.00	148.80	0.39	
24440.000	75.00	0.0	0.0	1720.00	743.80	751.23	751.04	10.75	1502.85	1626.00	195.16	0.58	
LIMIT OF DETAIL (MAX) 24440													
24461.000	21.00	752.70	750.70	510.00	743.80	749.03	0.0	5.29	1600.00	1626.00	96.36	0.0	
24461.000	21.00	752.70	750.70	960.00	743.80	750.26	0.0	7.46	1504.41	1626.00	130.86	1.24	
24461.000	21.00	752.70	750.70	1175.00	743.80	750.80	0.0	8.11	1503.54	1626.00	156.99	0.53	
24461.000	21.00	752.70	750.70	1720.00	743.80	751.25	0.0	10.70	1502.82	1626.00	186.67	0.45	
24536.000	75.00	0.0	0.0	510.00	744.00	749.70	0.0	2.87	1136.35	1210.15	216.65	0.0	
24536.000	75.00	0.0	0.0	960.00	744.00	751.38	0.0	3.45	1125.13	1331.61	381.24	1.68	
24536.000	75.00	0.0	0.0	1175.00	744.00	752.06	0.0	3.55	1120.63	1353.41	493.75	0.68	
24536.000	75.00	0.0	0.0	1720.00	744.00	753.28	0.0	3.74	1112.47	1392.90	785.34	1.22	
27500.000	2964.00	0.0	0.0	415.00	757.90	762.44	0.0	6.57	1153.51	1173.08	63.17	0.0	
27500.000	2964.00	0.0	0.0	785.00	757.90	763.64	0.0	8.93	1152.30	1174.15	87.91	1.20	
27500.000	2964.00	0.0	0.0	975.00	757.90	763.78	0.0	10.71	1152.13	1174.28	91.08	0.14	
* 27500.000	2964.00	0.0	0.0	1445.00	757.90	764.77	764.77	12.68	1151.14	1175.17	113.99	0.99	
30300.000	2800.00	0.0	0.0	130.00	785.00	788.98	0.0	2.25	1093.55	1150.92	76.99	0.0	
30300.000	2800.00	0.0	0.0	255.00	785.00	790.08	0.0	2.38	1065.94	1156.57	163.20	1.10	
30300.000	2800.00	0.0	0.0	340.00	785.00	790.66	0.0	2.42	1062.85	1159.54	217.79	0.58	
30300.000	2800.00	0.0	0.0	580.00	785.00	791.68	789.33	2.83	1057.50	1164.69	320.93	1.02	

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 33500.000	3200.00	0.0	0.0	80.00	832.10	834.48	834.48	6.37	1078.44	1088.69	12.56	0.0
* 33500.000	3200.00	0.0	0.0	170.00	832.10	835.35	835.35	7.40	1076.02	1089.86	22.97	0.86
* 33500.000	3200.00	0.0	0.0	230.00	832.10	835.78	835.78	7.85	1074.82	1090.45	29.30	0.43
* 33500.000	3200.00	0.0	0.0	390.00	832.10	836.65	836.65	8.75	1072.37	1091.63	44.58	0.88

SUMMARY OF ERRORS

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

C:
 T1 ROWAN CO. BASIN F LITTLE CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METHJC HVINS Q WSEL EQ
 -1. 4. 0. 0. 0.0 0.0 0.0 0. 685.430 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 0.0 0.0 -1.000 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

NC 0.085 0.085 0.060 0.100 0.300 0.0 0.0 0.0 0.0 0.0
 QT 5,000 1290,000 2180,000 2680,000 4185,000 2680,000 0.0 0.0 0.0 0.0
 ET 5,000 0.0 0.0 0.0 0.0 0.0 -10,400 0.0 0.0 0.0

X1 200,000 22,000 636,000 660,000 200,000 200,000 200,000 0.0 0.0 0.0
 A GR 696,700 0.0 693,600 45,000 690,200 135,000 689,500 185,000 691,300 222,000
 GR 586,900 255,000 684,600 285,000 683,400 300,000 682,300 420,000 682,300 580,000
 GR 584,500 625,000 683,800 636,000 676,900 640,000 676,200 646,000 676,200 652,000
 GR 682,800 660,000 682,400 675,000 684,300 685,000 686,100 740,000 692,800 875,000
 GR 693,800 960,000 696,700 1071,000 0.0 0.0 0.0 0.0 0.0 0.0
 QT 5,000 1280,000 2155,000 2650,000 4140,000 2650,000 0.0 0.0 0.0 0.0

X1 2075,000 19,000 245,000 275,000 1875,000 1875,000 1875,000 0.0 0.0 0.0
 B GR 597,100 0.0 691,000 85,000 692,000 93,000 687,200 110,000 686,200 150,000
 GR 586,900 230,000 688,000 240,000 687,900 245,000 681,500 255,000 681,900 260,000
 GR 682,300 265,000 686,800 275,000 686,100 305,000 686,900 330,000 688,100 400,000
 GR 589,100 440,000 690,500 460,000 691,900 510,000 692,800 550,000 0.0 0.0

GR	593,000	960,000	696,700	1071,000	0,0	0,0	0,0	0,0	0,0	0,0
QT	5,000	1280,000	2155,000	2650,000	4140,000	2650,000	0,0	0,0	0,0	0,0

X1	2075,000	19,000	245,000	275,000	1875,000	1875,000	1875,000	0,0	0,0	0,0
GR	597,100	0,0	691,000	85,000	692,000	93,000	687,200	110,000	686,200	150,000
GR	586,900	230,000	688,000	240,000	687,900	245,000	681,500	255,000	681,900	260,000
GR	682,300	265,000	686,800	275,000	686,100	305,000	686,900	330,000	688,100	400,000
GR	589,100	440,000	690,500	460,000	691,900	500,000	692,800	550,000	0,0	0,0

X1	2160,000	12,000	350,000	380,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	703,400	0,0	698,700	80,000	692,000	210,000	692,200	350,000	681,900	350,100
GR	679,900	353,000	679,700	378,000	681,900	379,900	692,200	380,000	692,100	500,000
GR	596,000	590,000	703,000	676,000	0,0	0,0	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	30,000	0,010	316,000	0,0	0,0	0,0

RDNO 1512 MXLCEL 690,6 RDELV 692,2

X1	2190,000	0,0	0,0	0,0	30,000	30,000	30,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	690,600	0,0	0,0	0,0	0,0	0,0	0,0
QT	8,000	0,0	703,400	0,0	80,000	698,700	0,0	210,000	692,000	0,0
QT	350,000	692,200	690,600	380,000	692,200	690,600	500,000	692,100	0,0	590,000
QT	596,000	0,0	676,000	703,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	2275,000	19,000	380,000	410,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	693,500	0,0	692,300	90,000	689,700	145,000	687,600	250,000	688,700	270,000
GR	685,600	280,000	687,300	285,000	686,900	380,000	682,200	385,000	681,500	395,000
GR	682,000	400,000	687,100	410,000	687,300	460,000	689,900	490,000	690,100	495,000
GR	594,800	508,000	696,400	520,000	696,600	530,000	699,000	560,000	0,0	0,0
QT	5,000	1260,000	2130,000	2620,000	4100,000	2620,000	0,0	0,0	0,0	0,0

X1	4725,000	24,000	365,000	380,000	2450,000	2450,000	2450,000	0,0	0,0	0,0
GR	704,000	0,0	702,500	15,000	692,600	40,000	690,800	60,000	691,400	80,000
GR	690,200	110,000	691,200	190,000	690,700	240,000	692,000	340,000	692,800	360,000
GR	692,600	365,000	689,600	366,000	689,100	373,000	689,100	376,000	692,500	380,000
GR	691,600	420,000	692,300	470,000	691,100	475,000	692,000	480,000	691,400	490,000
GR	691,200	550,000	695,300	580,000	702,200	605,000	706,300	615,000	0,0	0,0
QT	5,000	1220,000	2100,000	2550,000	3970,000	2550,000	0,0	0,0	0,0	0,0

X1	6225,000	29,000	330,000	354,000	1500,000	1500,000	1500,000	0,0	0,0	0,0
GR	705,100	0,0	701,300	40,000	698,500	55,000	694,200	105,000	695,200	110,000
GR	693,400	170,000	693,000	215,000	694,000	220,000	694,200	265,000	695,200	310,000
GR	695,000	330,000	689,400	335,000	690,400	350,000	694,600	354,000	693,800	360,000
GR	695,200	365,000	694,800	400,000	693,800	420,000	694,600	435,000	694,000	445,000
GR	695,000	455,000	694,000	490,000	694,800	520,000	693,600	535,000	694,600	570,000

	2,200	12,000,000	2100,000	2550,000	2970,000	2550,000	0,0	0,0	0,0	0,0
X1	6225,000	29,000	330,000	354,000	1500,000	1500,000	1500,000	0,0	0,0	0,0
GR	705,100	0,0	701,300	40,000	698,500	55,000	694,200	105,000	695,200	110,000
E GR	693,400	170,000	693,000	215,000	694,000	220,000	694,200	265,000	695,200	310,000
GR	695,000	330,000	689,400	335,000	690,400	350,000	694,600	354,000	693,800	360,000
GR	695,200	365,000	694,800	400,000	693,800	420,000	694,600	435,000	694,000	445,000
GR	695,000	455,000	694,000	490,000	694,400	520,000	693,600	535,000	694,600	690,000
GR	695,700	705,000	695,600	730,000	696,300	745,000	704,600	774,000	0,0	0,0

X1	6310,000	13,000	430,000	460,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	713,300	0,0	709,200	50,000	701,700	190,000	698,800	320,000	700,000	430,000
GR	691,700	430,100	690,000	432,000	690,000	458,000	691,700	459,900	700,000	460,000
GR	702,000	490,000	705,100	630,000	709,900	710,000	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	30,000	0,010	237,000	0,0	0,0	0,0

ROND 1506 MXLCEL 698,0 RDELV 700,0

X1	6340,000	0,0	0,0	0,0	30,000	30,000	30,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	698,000	0,0	0,0	0,0	0,0	0,0	0,0
BT	9,000	0,0	713,300	0,0	50,000	709,200	0,0	190,000	701,700	0,0
BT	320,000	698,800	0,0	430,000	700,000	698,000	460,000	700,000	698,000	490,000
BT	702,000	0,0	630,000	705,100	0,0	710,000	709,900	0,0	0,0	0,0

X1	6425,000	26,000	450,000	407,000	85,000	85,000	85,000	0,0	0,0	0,0
GR	710,800	0,0	701,000	100,000	697,000	190,000	695,800	194,000	694,400	280,000
F GR	694,200	315,000	694,400	365,000	696,200	370,000	694,000	375,000	694,000	405,000
GR	694,400	430,000	695,600	435,000	694,800	450,000	690,600	454,000	691,000	459,000
GR	691,400	464,000	695,400	407,000	694,200	470,000	695,000	475,000	694,400	547,000
GR	694,300	588,000	695,600	602,000	694,800	610,000	696,200	652,000	699,300	667,000
GR	703,900	689,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
BT	5,000	1155,000	2030,000	2425,000	3735,000	2425,000	0,0	0,0	0,0	0,0

X1	10225,000	20,000	595,000	618,000	3800,000	3800,000	3800,000	0,0	0,0	0,0
G GR	724,700	0,0	712,400	190,000	706,000	347,000	703,000	354,000	699,300	480,000
GR	696,200	520,000	697,800	595,000	693,700	600,000	691,300	607,000	691,100	613,000
GR	697,400	618,000	678,000	650,000	696,500	880,000	695,400	895,000	696,900	985,000
GR	696,900	1080,000	702,000	1090,000	706,600	1105,000	719,500	1165,000	725,100	1200,000

H X1	11307,000	14,000	1456,000	1577,000	1082,000	1082,000	1082,000	0,0	0,0	0,0
GR	717,800	1000,000	711,800	1100,000	704,800	1200,000	702,000	1300,000	701,500	1400,000
GR	703,400	1456,000	697,500	1460,000	696,600	1463,000	697,300	1471,000	701,600	1477,000
GR	702,700	1500,000	702,300	1600,000	709,600	1700,000	717,800	1777,000	0,0	0,0
V JT	5,000	1110,000	1955,000	2335,000	3475,000	2335,000	0,0	0,0		

GR	696,900	1080,000	702,000	1090,000	706,600	1105,000	719,500	1165,000	725,100	1200,000
H X1	11307,000	14,000	1456,000	1477,000	1082,000	1082,000	1082,000	0,0	0,0	0,0
GR	717,800	1000,000	711,800	1100,000	704,800	1200,000	702,000	1300,000	701,300	1400,000
GR	703,400	1456,000	697,500	1460,000	696,600	1463,000	697,300	1471,000	701,600	1477,000
GR	702,700	1500,000	702,300	1600,000	709,600	1700,000	717,800	1777,000	0,0	0,0
QT	5,000	1110,000	1955,000	2335,000	3075,000	2335,000	0,0	0,0	0,0	0,0
ET	5,000	0,0	0,0	0,0	0,0	-5,400	0,0	0,0	0,0	0,0

X1	11862,000	18,000	1651,000	1680,000	555,000	555,000	555,000	0,0	0,0	0,0
I GR	728,400	1000,000	725,000	1100,000	722,200	1200,000	719,300	1300,000	715,700	1400,000
GR	711,700	1458,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000
GR	702,300	1662,000	703,300	1670,000	707,000	1674,000	711,100	1680,000	711,800	1700,000
GR	718,100	1800,000	722,000	1900,000	723,500	1954,000	0,0	0,0	0,0	0,0

X1	11937,000	24,000	1700,000	1750,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	732,100	950,000	730,700	1000,000	727,900	1100,000	724,600	1200,000	721,800	1300,000
GR	718,900	1400,000	716,800	1500,000	715,100	1600,000	707,600	1700,000	707,100	1707,000
GR	703,800	1709,000	703,600	1719,000	703,800	1728,000	707,200	1733,000	708,200	1750,000
GR	715,100	1800,000	715,400	1900,000	717,000	2000,000	719,800	2100,000	722,500	2200,000
GR	724,500	2300,000	726,300	2400,000	728,500	2500,000	730,900	2600,000	0,0	0,0
SB	0,900	1,500	2,500	0,0	50,000	0,010	339,000	0,0	0,0	0,0

RDNO 1509 MXLCEL 712,6 RDELV 715,1

X1	11963,000	0,0	0,0	0,0	26,000	26,000	26,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	712,600	715,100	0,0	0,0	0,0	0,0	0,0
BT	19,000	950,000	732,100	0,0	1000,000	730,700	0,0	1100,000	727,900	0,0
BT	1200,000	724,600	0,0	1300,000	721,800	0,0	1400,000	718,900	0,0	1500,000
BT	716,800	0,0	1600,000	715,100	0,0	1700,000	715,200	712,600	1750,000	715,100
BT	712,600	1800,000	715,100	0,0	1900,000	715,400	0,0	2000,000	717,000	0,0
BT	2100,000	719,800	0,0	2200,000	722,500	0,0	2300,000	724,500	0,0	2400,000
BT	726,300	0,0	2500,000	728,500	0,0	2600,000	730,900	0,0	0,0	0,0

X1	12038,000	18,000	1651,000	1680,000	75,000	75,000	75,000	0,0	0,600	0,0
J GR	728,400	1000,000	725,000	1100,000	722,200	1200,000	719,300	1300,000	715,700	1400,000
GR	711,700	1458,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000
GR	702,300	1662,000	703,300	1670,000	707,000	1674,000	711,100	1680,000	711,800	1700,000
GR	718,100	1800,000	722,000	1900,000	723,500	1954,000	0,0	0,0	0,0	0,0
QT	5,000	940,000	1675,000	2014,000	2907,000	2014,000	0,0	0,0	0,0	0,0

X1	15245,000	12,000	1261,000	1276,000	3207,000	3207,000	3207,000	0,0	0,0	0,0
V GR	732,400	1000,000	726,100	1100,000	716,100	1200,000	714,400	1261,000	709,700	1265,000

GR	711,700	1458,000	708,600	1500,000	709,000	1600,000	707,800	1651,000	703,300	1657,000
GR	702,300	1662,000	703,300	1670,000	707,000	1674,000	711,100	1680,000	711,800	1700,000
GR	718,100	1800,000	722,000	1900,000	723,500	1954,000	0,0	0,0	0,0	0,0
QT	5,000	940,000	1675,000	2014,000	2907,000	2014,000	0,0	0,0	0,0	0,0

X1	15245,000	12,000	1261,000	1276,000	3207,000	3207,000	3207,000	0,0	0,0	0,0
GR	732,400	1000,000	726,100	1100,000	716,100	1200,000	714,400	1261,000	709,700	1265,000
GR	709,500	1268,000	710,300	1272,000	715,500	1276,000	714,700	1300,000	714,100	1400,000
GR	715,700	1500,000	730,600	1564,000	0,0	0,0	0,0	0,0	0,0	0,0
QT	5,000	780,000	1410,000	1710,000	2425,000	1710,000	0,0	0,0	0,0	0,0

X1	18190,000	13,000	1400,000	1415,000	2945,000	2945,000	2945,000	0,0	-2,000	0,0
GR	744,500	950,000	741,100	1000,000	734,200	1100,000	728,700	1200,000	726,000	1300,000
GR	727,100	1400,000	721,800	1403,000	722,400	1406,000	722,700	1411,000	726,100	1415,000
GR	731,900	1500,000	740,300	1600,000	743,000	1630,000	0,0	0,0	0,0	0,0

X1	18265,000	16,000	1500,000	1536,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	750,700	1000,000	740,000	1100,000	734,000	1200,000	730,700	1300,000	729,700	1400,000
GR	731,100	1500,000	724,700	1500,000	724,700	1503,000	722,700	1506,000	721,400	1513,000
GR	722,300	1517,000	724,900	1520,000	724,900	1536,000	731,100	1536,000	732,200	1600,000
GR	737,300	1700,000	743,700	1800,000	748,000	1900,000	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	36,000	0,010	178,000	0,0	0,0	0,0

RDND 1534 MXLCEL 729,0 RDELV 731,1

X1	18286,000	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	729,000	729,700	0,0	0,0	0,0	0,0	0,0
BT	11,000	1000,000	750,700	0,0	1100,000	740,000	0,0	1200,000	734,000	0,0
BT	1300,000	730,700	0,0	1400,000	729,700	0,0	1500,000	731,100	729,000	1536,000
BT	731,100	728,900	1600,000	732,200	0,0	1700,000	737,300	0,0	1800,000	743,700
BT	0,0	1900,000	748,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0

X1	18361,000	13,000	1400,000	1415,000	75,000	75,000	75,000	0,0	0,0	0,0
GR	744,500	950,000	741,100	1000,000	734,200	1100,000	728,700	1200,000	726,000	1300,000
GR	727,100	1400,000	721,800	1403,000	722,400	1406,000	722,700	1411,000	726,100	1415,000
GR	731,900	1500,000	740,300	1600,000	743,000	1630,000	0,0	0,0	0,0	0,0
QT	5,000	640,000	1175,000	1435,000	2065,000	1435,000	0,0	0,0	0,0	0,0

X1	192,820	14,000	1259,000	1274,000	921,000	921,000	921,000	0,0	-8,400	0,0
GR	753,500	1000,000	742,500	1100,000	736,900	1200,000	738,200	1259,000	734,400	1262,000
GR	734,400	1267,000	734,600	1271,000	738,600	1274,000	737,000	1300,000	738,800	1400,000
GR	743,300	1500,000	747,100	1600,000	751,000	1700,000	758,300	1785,000	0,0	0,0

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	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	200.000	200.00	0.0	0.0	2680.00	676.20	685.43	0.0	4.40	274.17	719.54	1201.09	0.0
	200.000	200.00	0.0	0.0	2680.00	676.20	686.43	0.0	4.79	453.77 ⁶⁴¹	676.29	945.73	1.00
B	2075.000	1875.00	0.0	0.0	2650.00	681.50	690.35	0.0	3.93	98.81 ²⁵⁵	457.98	1204.58	0.0
	2075.000	1875.00	0.0	0.0	2650.00	681.50	691.36	0.0	4.32	160.56	348.85	965.29	1.01
	2160.000	85.00	0.0	0.0	2650.00	679.90	689.92	0.0	9.00	350.02	379.98	294.60	0.0
	2160.000	85.00	0.0	0.0	2650.00	679.90	691.11	0.0	8.05	350.01	379.99	330.14	1.19
	2190.000	30.00	692.00	690.60	2650.00	679.90	690.42	0.0	8.57	350.02	379.98	309.39	0.0
	2190.000	30.00	999999.00	0.0	2650.00	679.90	691.61	0.0	7.68	350.01	379.99	344.97	1.19
C	2275.000	85.00	0.0	0.0	2650.00	681.50	691.80	0.0	3.15	100.61 ³⁷⁵	499.70	1566.98	0.0
	2275.000	85.00	0.0	0.0	2650.00	681.50	692.70	0.0	3.45	252.91	457.11	1240.01	0.90
D	4725.000	2450.00	0.0	0.0	2620.00	689.10	694.72	0.0	2.28	34.67	575.70	1786.13	0.0
	4725.000	2450.00	0.0	0.0	2620.00	689.10	695.72	0.0	2.58	145.86 ³⁷⁴	505.46	1539.62	1.00
E	6225.000	1500.00	0.0	0.0	2550.00	689.40	696.89	0.0	2.95	73.65 ³³⁵	747.08	1749.58	0.0
	6225.000	1500.00	0.0	0.0	2550.00	689.40	697.89	0.0	3.28	191.90	559.22	1399.49	1.00
*	6310.000	85.00	0.0	0.0	2550.00	690.00	696.19	696.19	14.06	430.05	459.95	181.37	0.0
*	6310.000	85.00	0.0	0.0	2550.00	690.00	696.20	696.20	14.03	430.05	459.95	181.76	0.01
	6340.000	30.00	698.80	698.00	2550.00	690.00	696.40	0.0	13.55	430.04	459.96	188.17	0.0
	6340.000	30.00	999999.00	0.0	2550.00	690.00	696.42	0.0	13.54	430.04	459.96	188.26	0.01
F	6425.000	85.00	0.0	0.0	2550.00	690.60	699.64	0.0	1.75	130.67	668.61	2422.48	0.0
	6425.000	85.00	0.0	0.0	2550.00	690.60	699.70	0.0	2.30	269.50 ⁴⁵⁴	594.36	1743.70	0.06

	6225.000	1500.00	0.0	0.0	2550.00	609.40	677.09	0.0	3.20	191.70	559.22	1377.47	1.00
*	6310.000	85.00	0.0	0.0	2550.00	690.00	696.19	696.19	14.06	430.05	459.95	181.37	0.0
*	6310.000	85.00	0.0	0.0	2550.00	690.00	696.20	696.20	14.03	430.05	459.95	181.76	0.01
	6340.000	30.00	698.80	698.00	2550.00	690.00	696.40	0.0	13.55	430.04	459.96	188.17	0.0
	6340.000	30.00	999999.00	0.0	2550.00	690.00	696.42	0.0	13.54	430.04	459.96	188.26	0.01
F	6425.000	85.00	0.0	0.0	2550.00	690.60	699.64	0.0	1.75	130.67	668.61	2422.48	0.0
	6425.000	85.00	0.0	0.0	2550.00	690.60	699.70	0.0	2.30	269.50	594.36	1743.70	0.06
G	10225.000	3800.00	0.0	0.0	2425.00	691.10	701.15	0.0	1.67	416.95	1088.34	2645.12	0.0
	10225.000	3800.00	0.0	0.0	2425.00	691.10	701.86	0.0	1.94	516.58	941.26	2142.72	0.71
H	11307.000	1082.00	0.0	0.0	2425.00	696.60	703.57	703.57	9.21	1243.96	1617.39	564.44	0.0
*	11307.000	1082.00	0.0	0.0	2425.00	696.50	704.40	704.40	11.09	1388.35	1515.93	357.31	0.83
I	11862.000	555.00	0.0	0.0	2335.00	702.30	710.98	0.0	7.12	1467.69	1679.83	562.72	0.0
	11862.000	555.00	0.0	0.0	2335.00	702.30	711.86	0.0	6.71	1552.19	1680.00	516.80	0.88

	SECNO	XLCH	ELTRD	ELLC	Q	FLMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	11937.000	75.00	0.0	0.0	2335.00	703.60	711.51	0.0	6.99	1647.82	1774.01	426.52	0.0
	11937.000	75.00	0.0	0.0	2335.00	703.60	712.17	0.0	7.27	1697.79	1751.09	331.76	0.66
	11963.000	26.00	715.10	712.60	2335.00	703.60	711.51	0.0	7.00	1647.87	1773.98	426.02	0.0
	11963.000	26.00	715.10	712.60	2335.00	703.60	712.01	0.0	6.23	1641.21	1777.60	491.62	0.50
J	12038.000	75.00	0.0	0.0	2335.00	702.90	712.41	0.0	5.31	1456.41	1700.15	749.65	0.0
	12038.000	75.00	0.0	0.0	2335.00	702.90	713.09	0.0	5.31	1533.47	1691.62	681.52	0.69
K	15245.000	3207.00	0.0	0.0	2014.00	709.50	718.89	0.0	2.57	1172.00	1513.74	1340.16	0.0
	15245.000	3207.00	0.0	0.0	2014.00	709.50	719.36	0.0	2.69	1205.22	1452.05	1206.64	0.47
*L	18190.000	2945.00	0.0	0.0	1710.00	719.80	726.23	726.23	9.41	1217.28	1446.27	367.55	0.0
*	18190.000	2945.00	0.0	0.0	1710.00	719.80	726.60	726.64	10.47	1313.47	1423.96	274.40	0.41
*	18265.000	75.00	0.0	0.0	1710.00	721.40	727.89	727.89	11.56	1500.00	1536.00	147.92	0.0
	18265.000	75.00	0.0	0.0	1710.00	721.40	728.34	0.0	10.41	1500.00	1536.00	164.31	0.45
	18286.000	21.00	729.70	729.00	1710.00	721.40	728.14	0.0	10.89	1500.00	1536.00	156.99	0.0
	18286.000	21.00	999999.00	0.0	1710.00	721.40	728.59	0.0	9.87	1500.00	1536.00	173.22	0.45

*L	18190.000	2945.00	0.0	0.0	1710.00	719.80	726.23	726.23	9.41	1217.28	1446.27	367.55	0.0
*	18190.000	2945.00	0.0	0.0	1710.00	719.80	726.64	726.64	10.47	1313.47	1423.96	274.40	0.41
*	18265.000	75.00	0.0	0.0	1710.00	721.40	727.89	727.89	11.56	1500.00	1536.00	147.92	0.0
	18265.000	75.00	0.0	0.0	1710.00	721.40	728.34	0.0	10.41	1500.00	1536.00	164.31	0.45
	18286.000	21.00	729.70	729.00	1710.00	721.40	728.14	0.0	10.89	1500.00	1536.00	156.99	0.0
	18286.000	21.00	999999.00	0.0	1710.00	721.40	728.59	0.0	9.87	1500.00	1536.00	173.22	0.45
M	18361.000	75.00	0.0	0.0	1710.00	721.80	730.44	0.0	3.21	1168.27	1478.68	971.71	0.0
	18361.000	75.00	0.0	0.0	1710.00	721.80	730.56	0.0	3.74	1260.46	1440.51	745.55	0.11
	192.820	921.00	0.0	0.0	1435.00	726.00	732.30	0.0	3.26	1132.03	1442.37	794.05	0.0
	192.820	921.00	0.0	0.0	1435.00	726.00	732.78	0.0	3.50	1193.50	1364.38	648.67	0.48
	203.590	1077.00	0.0	0.0	1435.00	730.20	735.91	0.0	4.32	1142.60	1429.22	617.44	0.0
	203.590	1077.00	0.0	0.0	1435.00	730.20	736.43	0.0	4.59	1199.80	1350.60	497.12	0.52
N	21435.000	1076.00	0.0	0.0	1435.00	734.40	740.40	0.0	3.75	1137.49	1435.58	701.12	0.0
	21435.000	1076.00	0.0	0.0	1435.00	734.40	740.91	0.0	3.99	1196.85	1357.35	571.17	0.51
D	24365.000	2930.00	0.0	0.0	1175.00	743.60	750.72	0.0	4.51	1126.90	1323.05	351.03	0.0
	24365.000	2930.00	0.0	0.0	1175.00	743.60	751.22	0.0	4.80	1155.71	1206.72	285.63	0.51
	24440.000	75.00	0.0	0.0	1175.00	743.80	750.65	0.0	8.38	1503.78	1626.00	148.80	0.0
	24440.000	75.00	0.0	0.0	1175.00	743.80	751.29	0.0	7.56	1600.00	1626.00	155.34	0.64
	24461.000	21.00	752.70	750.70	1175.00	743.80	750.80	0.0	8.11	1503.54	1626.00	156.99	0.0
	24461.000	21.00	999999.00	0.0	1175.00	743.80	751.44	0.0	7.39	1600.00	1626.00	159.00	0.64
P	24536.000	75.00	0.0	0.0	1175.00	744.00	752.06	0.0	3.55	1120.63	1353.41	493.75	0.0
	24536.000	75.00	0.0	0.0	1175.00	744.00	752.47	0.0	3.79	1150.34	1287.29	406.13	0.41
Q	27500.000	2964.00	0.0	0.0	975.00	757.90	763.78	0.0	10.71	1152.15	1174.28	91.08	0.0
	27500.000	2964.00	0.0	0.0	975.00	757.90	764.28	0.0	9.52	1151.64	1174.73	102.42	0.50
R	30300.000	2800.00	0.0	0.0	340.00	785.00	790.66	0.0	2.42	1062.85	1159.54	217.79	0.0
	30300.000	2800.00	0.0	0.0	340.00	785.00	790.89	0.0	2.81	1084.19	1134.98	164.82	0.23
S	33500.000	3200.00	0.0	0.0	230.00	832.10	835.78	835.78	7.85	1074.82	1090.45	29.30	0.0
	33500.000	3200.00	0.0	0.0	230.00	832.10	835.77	835.77	7.87	1074.83	1090.44	29.21	-0.01

SUMMARY OF ERRORS

CAUTION SECNO= 6310.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION OFF= 0.6710.000 PROFILE= 1 PROBABLE MINIMUM SURFACED ENERGY

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
A-200.000	223.	946.	2.8	686.4	685.4	1.0
B-2075.000	188.	945.	2.7	691.4	690.4	1.0
2150.000	30.	330.	8.0	691.1	689.9	1.2
2190.000	30.	345.	7.7	691.6	690.4	1.2
C-2275.000	204.	1240.	2.1	692.7	691.8	0.9
D-4725.000	360.	1540.	1.7	695.7	694.7	1.0
E-6275.000	367.	1399.	1.8	697.9	696.9	1.0
6310.000	30.	182.	14.0	696.2	696.2	0.0
6340.000	30.	178.	13.5	696.4	696.4	0.0
F-6425.000	325.	1744.	1.5	699.7	699.0	0.7
G-10225.000	425.	2143.	1.1	701.8	701.1	0.7
H-11307.000	128.	357.	6.8	704.4	703.6	0.8
I-11802.000	128.	517.	4.5	711.9	711.0	0.9
11937.000	53.	332.	7.0	712.2	711.5	0.7
11963.000	136.	492.	4.7	712.0	711.5	0.5
J-12038.000	158.	622.	3.4	713.1	712.4	0.7
K-15245.000	247.	1207.	1.7	719.4	718.9	0.5
L-18170.000	110.	274.	6.2	726.0	726.2	0.2
18205.000	36.	164.	10.4	728.4	727.9	0.5
18286.000	36.	173.	9.9	728.6	728.1	0.5
M-18361.000	176.	746.	2.3	730.5	730.4	0.1
192.820	171.	649.	2.7	732.8	732.3	0.5
203.590	151.	497.	2.7	736.4	735.9	0.5
N-21435.000	160.	571.	2.5	740.9	740.4	0.5
O-24305.000	51.	286.	4.1	751.2	750.7	0.5
24400.000	26.	155.	7.6	751.3	750.7	0.6
24461.000	26.	159.	7.4	751.4	750.8	0.6
P-24535.000	105.	406.	2.9	752.5	752.1	0.4
27500.000	23.	102.	9.5	764.3	763.8	0.5
R-30300.000	51.	165.	2.1	790.9	790.7	0.2
S-33500.000	16.	79.	7.9	835.8	835.8	0.0

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

C
 T1 EAST SPENCER-Rowan COUNTY STREAM 1ES UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIUSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	0.	0.	0.012000	0.0	0.0	0.	658.500	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	0.0	0.0	1.000	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	25.000	53.000

	54.000	25.000	50.000	0.0	201.000	0.0	0.0	0.0	0.0	0.0
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J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	0.0	0.0	0.0	0.0	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

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

Handwritten notes and scribbles

MADE IN U.S.A.

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CHSEL	CHINS	VCH	SSTA	ENDST	AREA	DIFWSP
A	1200.000	1200.00	0.0	0.0	292.00	653.50	659.42	0.0	5.70	1320.26	1365.78	64.55	0.0
	1200.000	1200.00	0.0	0.0	678.00	653.50	661.02	0.0	7.19	1310.71	1377.24	147.73	1.6
B	2325.000	1125.00	0.0	0.0	275.00	656.30	671.28	0.0	4.84	1397.58	1455.94	77.98	0.0
	2325.000	1125.00	0.0	0.0	639.00	656.30	672.60	0.0	5.81	1357.60	1478.13	195.99	1.3
*	2400.000	75.00	0.0	0.0	275.00	667.20	672.48	672.48	9.00	1184.26	1220.48	49.34	0.0
*	2400.000	75.00	0.0	0.0	639.00	667.20	673.60	673.60	10.47	1167.31	1229.89	104.61	1.1
	2433.000	33.00	676.90	672.20	275.00	667.20	675.47	0.0	2.95	1069.68	1143.95	138.68	0.0
	2433.000	33.00	676.90	672.20	639.00	667.20	677.98	0.0	2.22	1058.49	1161.30	361.67	2.5
C	2508.000	75.00	0.0	0.0	275.00	668.10	675.55	0.0	1.48	1322.66	1497.52	366.26	0.0
	2508.000	75.00	0.0	0.0	639.00	668.10	678.03	0.0	1.18	1269.03	1643.01	1114.42	2.4
*D	3975.000	1467.00	0.0	0.0	157.00	691.50	694.52	694.52	8.40	1196.01	1204.66	18.70	0.0
	3975.000	1467.00	0.0	0.0	399.00	691.50	696.78	696.78	8.24	1176.45	1226.28	67.72	2.2
*	4050.000	75.00	0.0	0.0	157.00	692.70	696.94	696.94	7.99	1395.30	1414.49	25.99	0.0
*	4050.000	75.00	0.0	0.0	399.00	692.70	698.16	698.16	9.04	1372.18	1428.31	69.16	1.2
*	4124.000	74.00	702.00	695.70	157.00	692.70	702.90	0.0	0.32	1286.28	1481.92	706.52	0.0
	4124.000	74.00	702.00	695.70	399.00	692.70	703.95	0.0	0.59	1277.80	1493.80	922.80	1.0
E	4199.000	75.00	0.0	0.0	157.00	693.90	702.90	0.0	0.62	1095.97	1268.33	493.46	0.0
	4199.000	75.00	0.0	0.0	399.00	693.90	703.95	0.0	1.10	1087.52	1280.18	684.70	1.0

SUMMARY OF ERRORS

C
 T1 ROWAN Co BASIN C LAKE WRIGHT BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 691a
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	100	MINV	101P	STRT	METRIC	HVMS	0	WSEL	EQ
	-1.	0.	0.	0.	0.0	0.0	0.0	0.	715.200	0.0
J2	MPROF	1010T	PREVS	XSECV	XSECH	EQ	ALLDC	IBW	CIRUM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	39.000	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
NC	0.000	0.000	0.005	0.100	0.300	0.0	0.0	0.0	0.0	0.0
NT	5.000	1280.000	2300.000	2650.000	4150.000	2650.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	875.000	21.000	388.000	435.000	875.000	875.000	875.000	875.000	0.0	0.0
GR	725.000	0.0	723.100	50.000	714.200	220.000	713.100	295.000	713.900	388.000
GR	706.100	393.000	705.700	398.000	706.300	404.000	710.300	416.000	710.900	430.000
GR	713.500	435.000	711.600	577.000	712.000	613.000	710.900	622.000	712.100	633.000
GR	712.200	670.000	710.900	695.00	712.600	710.000	711.600	717.000	713.400	730.000
GR	725.000	770.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IT	5.000	1200.000	2030.000	2520.000	3900.000	2520.000	0.0	0.0	0.0	0.0
X1	2250.000	17.000	300.000	50.000	1375.000	1375.000	1375.000	0.0	0.0	0.0
GR	727.600	0.0	718.900	190.000	719.000	195.000	720.000	202.000	719.400	250.000
GR	717.200	280.000	716.400	300.000	713.800	303.000	709.200	308.000	709.100	313.000
GR	709.600	320.000	713.000	330.000	716.000	340.000	717.400	390.000	718.900	430.000
GR	723.200	460.000	727.000	500.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	2335.000	13.000	200.000	340.000	45.000	85.000	85.000	0.0	0.0	0.0
GR	731.300	0.0	725.500	150.000	722.900	280.000	712.500	280.100	710.500	297.000
GR	706.700	300.000	708.700	320.600	710.500	321.000	712.500	339.900	712.000	340.000
GR	722.200	350.000	724.500	420.000	727.300	480.000	0.0	0.0	0.0	0.0

X1	2250.000	17.000	300.000	340.000	1375.000	1375.000	1375.000	0.0	0.0	0.0
GR	727.600	0.0	718.800	190.000	719.000	195.000	720.000	202.000	719.400	250.000
GR	717.200	280.000	716.400	300.000	713.800	303.000	709.200	308.000	709.100	313.000
GR	709.600	320.000	713.000	330.000	716.800	340.000	717.400	330.000	718.000	430.000
GR	723.200	460.000	727.000	500.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	2335.000	13.000	280.000	340.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	731.300	0.0	725.000	130.000	722.000	200.000	712.500	280.100	710.500	297.000
GR	708.700	300.000	708.700	320.000	710.500	321.000	712.500	339.900	722.000	340.000
GR	722.200	350.000	724.500	420.000	727.300	480.000	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.200	0.0	60.000	3.000	568.900	0.0	0.0	0.0

RINO MILLER ROAD EXLCEL 720.0 RDELV 722.0

X1	2355.000	0.0	0.0	0.0	20.000	30.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	7.000	0.0	731.300	0.0	130.000	725.400	0.0	280.000	722.000	720.400
BT	340.000	722.000	720.400	350.000	722.200	0.0	420.000	724.500	0.0	480.000
BT	727.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2450.000	15.000	260.000	312.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	730.200	0.0	726.700	30.000	726.800	100.000	719.600	170.000	719.000	260.000
GR	714.800	270.000	714.400	280.000	710.000	300.000	709.800	306.000	709.400	310.000
GR	716.600	312.000	716.000	332.000	718.900	352.000	722.800	372.000	726.200	392.000
QT	5.000	1180.000	2000.000	2500.000	3060.000	2500.000	0.0	0.0	0.0	0.0

X1	5030.000	24.000	260.000	300.000	2630.000	2630.000	2630.000	0.0	0.0	0.0
GR	736.100	0.0	727.000	190.000	724.600	220.000	724.500	240.000	721.200	260.000
GR	713.900	263.000	713.000	270.000	714.000	277.000	723.600	300.000	722.100	305.000
GR	719.500	420.000	720.400	427.000	719.600	441.000	720.800	520.000	721.100	540.000
GR	719.700	545.000	721.200	547.000	720.000	605.000	720.200	647.000	720.800	670.000
GR	720.400	680.000	726.600	780.000	727.900	799.000	732.000	819.000	0.0	0.0
QT	5.000	1040.000	1780.000	2200.000	3410.000	2200.000	0.0	0.0	0.0	0.0

X1	6730.000	21.000	330.000	366.000	1650.000	1650.000	1650.000	0.0	0.0	0.0
GR	738.100	0.0	733.900	90.000	733.200	120.000	731.600	130.000	729.100	155.000
GR	727.600	215.000	727.300	290.000	724.500	310.000	729.200	330.000	721.800	340.000
GR	710.100	353.000	718.000	360.000	718.600	363.000	728.500	366.000	729.500	373.000
GR	720.900	376.000	728.400	405.000	729.300	620.000	730.400	644.000	736.500	655.000
GR	740.800	675.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6814.000	11.000	300.000	372.000	10.000	84.000	84.000	0.0	0.0	0.0
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GI	5759.000	21.000	4201.000	365.000	1650.000	1650.000	1650.000	0.0	0.0	0.0
GR	738.100	0.0	733.900	90.000	733.200	120.000	731.600	130.000	729.100	155.000
GR	727.600	215.000	727.300	290.000	728.500	310.000	729.200	330.000	721.800	340.000
GR	719.100	353.000	718.000	360.000	718.600	363.000	728.500	366.000	729.500	373.000
GR	728.900	376.000	728.400	405.000	729.300	620.000	730.400	644.000	736.500	655.000
GR	740.800	675.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GI	6814.000	11.000	348.000	372.000	84.000	84.000	84.000	0.0	0.0	0.0
GR	736.900	0.0	734.100	80.000	731.200	130.000	730.000	245.000	730.200	348.000
GR	716.900	348.000	716.900	372.000	750.200	372.000	730.500	445.000	730.600	550.000
GR	735.000	670.000	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	24.000	0.010	307.200	0.0	0.0	0.0

RINO BAR HART ROAD EXCEL 729.7 RDELV 730.2

X1	6847.000	0.0	0.0	0.0	53.000	53.000	53.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	729.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	9.000	0.0	736.000	0.0	90.000	734.100	0.0	130.000	731.200	0.0
BT	285.000	730.000	0.0	348.000	730.200	729.700	372.000	730.200	729.700	445.000
BT	730.500	0.0	550.000	730.800	0.0	670.000	735.000	0.0	0.0	0.0

X1	6930.000	31.000	340.000	412.000	83.000	83.000	83.000	0.0	0.0	0.0
GR	735.500	0.0	735.300	65.000	732.300	100.000	730.500	170.000	728.900	310.000
GR	727.000	340.000	723.300	346.000	718.900	352.000	718.700	355.000	716.900	365.000
GR	727.700	378.000	727.900	381.000	725.200	390.000	721.300	405.000	721.400	407.000
GR	722.500	409.000	729.600	412.000	729.000	425.000	729.200	442.000	728.400	456.000
GR	728.800	518.000	728.000	527.000	729.200	560.000	727.100	564.000	729.300	565.000
GR	729.500	605.000	729.200	670.000	729.700	700.000	735.500	760.000	737.900	770.000
GR	739.900	830.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	76.360	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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X1	83.420	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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GI	90.480	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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X1	97.540	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
BT	6.000	920.000	1610.000	2000.000	3110.000	2000.000	0.0	0.0	0.0	0.0

X1	10460.000	13.000	1613.000	1641.000	706.000	706.000	706.000	0.0	2.500	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	763.000	1500.000	752.200	1600.000
GR	741.200	1613.000	734.200	1620.000	732.600	1626.000	734.300	1632.000	730.000	1641.000

X1	83.420	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
X1	90.460	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
X1	97.540	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
IT	5.000	920.000	1710.000	2000.000	3110.000	2000.000	0.0	0.0	0.0	0.0
X1	10460.000	13.000	1613.000	1641.000	706.000	706.000	706.000	0.0	-0.500	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.800	1626.000	734.300	1633.000	742.000	1641.000
GF	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0
X1	10535.000	19.000	1600.000	1640.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	763.000	1000.000	759.100	1100.000	755.600	1200.000	752.600	1300.000	750.500	1400.000
GR	749.000	1500.000	748.300	1500.000	730.000	1600.000	738.100	1609.000	733.800	1615.000
GR	733.300	1620.000	733.500	1626.000	739.500	1635.000	740.000	1640.000	748.300	1640.000
GR	749.200	1700.000	754.600	1800.000	761.300	1900.000	763.900	1942.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	40.000	0.010	379.000	0.0	0.0	0.0

RONA STIREWALT ROAD DIXCEL 745.0

ROELV 740.3

X1	10560.000	0.0	0.0	0.0	29.000	29.000	29.000	0.0	0.0	0.0
Y2	0.0	0.0	1.000	745.900	748.300	0.0	0.0	0.0	0.0	0.0
IT	12.000	1000.000	763.000	0.0	1100.000	759.100	0.0	1200.000	755.600	0.0
IT	1300.000	752.600	0.0	1400.000	750.500	0.0	1500.000	749.000	0.0	1600.000
IT	748.300	745.900	1640.000	748.300	745.800	1700.000	749.200	0.0	1800.000	754.600
IT	0.0	1200.000	761.300	0.0	1542.000	763.900	0.0	0.0	0.0	0.0
X1	10639.000	13.000	1613.000	1641.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.800	1626.000	734.300	1633.000	742.000	1641.000
GR	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0
IT	5.000	850.000	1500.000	1820.000	2910.000	1880.000	0.0	0.0	0.0	0.0
X1	13400.000	13.000	1208.000	1234.000	2761.000	2761.000	2761.000	0.0	0.0	0.0
GR	760.600	1000.000	745.500	1100.000	746.500	1200.000	741.800	1208.000	735.300	1210.000
GR	736.900	1217.000	737.700	1224.000	742.200	1234.000	743.800	1243.000	746.300	1248.000
GR	745.200	1300.000	744.400	1400.000	746.200	1430.000	0.0	0.0	0.0	0.0
IT	5.000	740.000	1330.000	1670.000	2600.000	1670.000	0.0	0.0	0.0	0.0

GR	745.400	1700.000	753.700	1800.000	752.400	1900.000	0.0	0.0	0.0	0.0
BT	5.000	850.000	1500.000	1800.000	2910.000	1800.000	0.0	0.0	0.0	0.0
X1	13400.000	13.000	1208.000	1234.000	2761.000	2761.000	2761.000	0.0	0.0	0.0
GR	760.600	1000.000	745.600	1100.000	746.500	1200.000	741.800	1208.000	735.300	1210.000
GR	738.900	1217.000	737.700	1224.000	742.200	1234.000	743.800	1243.000	746.300	1248.000
GR	745.200	1300.000	744.400	1400.000	746.200	1430.000	0.0	0.0	0.0	0.0
BT	5.000	740.000	1330.000	1670.000	2600.000	1670.000	0.0	0.0	0.0	0.0

X1	16475.000	15.000	1100.000	1117.000	3075.000	3075.000	3075.000	0.0	-0.300	0.0
GR	778.800	1000.000	776.100	1057.000	771.400	1067.000	767.700	1089.000	762.900	1093.000
GR	761.400	1100.000	758.100	1104.000	757.800	1109.000	757.100	1114.000	761.500	1117.000
GR	765.100	1135.000	764.300	1200.000	764.800	1400.000	768.300	1500.000	775.700	1600.000

X1	16550.000	18.000	1282.300	1300.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	783.700	1075.000	780.700	1100.000	772.600	1200.000	768.200	1230.000	761.900	1282.000
GR	759.900	1288.000	757.800	1290.000	757.500	1294.000	757.500	1298.000	759.200	1300.000
GR	759.800	1305.000	765.200	1340.000	766.700	1400.000	766.700	1500.000	767.600	1600.000
GR	771.000	1700.000	776.100	1800.000	782.600	1900.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	0.010	137.000	0.0	0.0	0.0

RDNQ KIRBALL STREET MXLCEL 766.4

ROELV 768.6

X1	16571.000	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	766.500	766.700	0.0	0.0	0.0	0.0	0.0
BT	11.000	1075.000	753.700	0.0	1100.000	780.700	0.0	1200.000	772.600	0.0
BT	1282.000	768.500	766.400	1300.000	768.300	766.500	1400.000	766.700	0.0	1500.000
BT	766.700	0.0	1600.000	767.600	0.0	1700.000	771.000	0.0	1300.000	776.100
BT	0.0	1900.000	782.600	0.0	6.0	0.0	0.0	0.0	0.0	0.0

X1	16644.000	15.000	1100.000	1117.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	778.800	1000.000	776.100	1057.000	771.400	1067.000	767.700	1089.000	762.900	1093.000
GR	761.400	1100.000	758.100	1104.000	757.800	1109.000	757.100	1114.000	761.500	1117.000
GR	765.100	1135.000	764.300	1200.000	764.800	1400.000	768.300	1500.000	775.700	1600.000
BT	5.000	640.000	1160.000	1470.000	2270.000	1470.000	0.0	0.0	0.0	0.0

X1	19464.000	18.000	1900.000	1952.000	2822.000	2822.000	2822.000	0.0	-0.100	0.0
GR	814.400	1000.000	812.200	1100.000	810.100	1200.000	808.000	1300.000	807.400	1400.000
GR	807.300	1500.000	807.000	1600.000	807.700	1700.000	807.600	1800.000	790.200	1300.000
GR	790.200	1952.000	808.100	2000.000	807.300	2100.000	810.300	2200.000	811.200	2300.000
GR	815.500	2400.000	821.200	2500.000	824.800	2540.000	0.0	0.0	0.0	0.0

 HCC2 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	YLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	EMIST	AREA	DIFWSP
A	875.000	875.00	0.0	0.0	2650.00	705.70	715.20	0.0	2.73	200.89	736.21	1462.92	0.0
	875.000	875.00	0.0	0.0	2650.00	705.70	716.20	0.0	3.02	299.35	604.32	1214.50	1.00
B	2250.000	1375.00	0.0	0.0	2520.00	709.10	720.01	0.0	5.02	164.11	437.67	726.39	0.0
	2250.000	1375.00	0.0	0.0	2520.00	709.10	720.97	0.0	5.45	279.55	364.10	547.89	0.96
	2335.000	85.00	0.0	0.0	2520.00	708.70	720.41	0.0	4.22	280.02	339.98	596.78	0.0
	2335.000	85.00	0.0	0.0	2520.00	708.70	721.49	0.0	3.81	280.01	339.99	661.70	1.08
	2365.000	30.00	722.00	720.40	2520.00	708.70	720.60	0.0	4.14	280.01	339.99	608.28	0.0
	2365.000	30.00	999999.00	0.0	2520.00	708.70	721.68	0.0	3.74	280.00	340.00	673.18	1.08
C	2450.000	85.00	0.0	0.0	2520.00	709.40	720.97	0.0	4.51	156.67	362.62	724.08	0.0
	2450.000	85.00	0.0	0.0	2520.00	709.40	721.89	0.0	4.95	240.52	322.09	563.94	0.92
D	5080.000	2630.00	0.0	0.0	2500.00	713.80	724.88	0.0	1.58	212.18	752.37	2195.45	0.0
	5080.000	2630.00	0.0	0.0	2500.00	713.80	725.90	0.0	1.70	239.19	570.43	1894.87	1.02
E	6730.000	1450.00	0.0	0.0	2200.00	718.00	726.43	0.0	12.15	333.74	365.37	181.08	0.0
	6730.000	1650.00	0.0	0.0	2200.00	718.00	727.82	0.0	9.71	331.87	365.79	226.57	1.39
	6814.000	84.00	0.0	0.0	2200.00	716.90	730.23	0.0	6.86	265.03	370.91	350.34	0.0
	6814.000	84.00	0.0	0.0	2200.00	716.90	730.30	0.0	6.84	348.00	372.00	321.55	0.07

C	2450.000	85.00	0.0	0.0	2520.00	709.40	721.97	0.0	4.91	156.07	362.62	724.00	0.0
	2450.000	85.00	0.0	0.0	2520.00	709.40	721.89	0.0	4.95	240.52	322.09	563.94	0.92
D	5080.000	2630.00	0.0	0.0	2500.00	713.80	724.88	0.0	1.58	212.18	752.37	2195.45	0.0
	5080.000	2630.00	0.0	0.0	2500.00	713.80	725.90	0.0	1.70	239.19	578.43	1894.87	1.02
E	6730.000	1650.00	0.0	0.0	2200.00	718.00	726.43	0.0	12.15	333.74	365.37	181.08	0.0
	6730.000	1650.00	0.0	0.0	2200.00	718.00	727.02	0.0	9.71	331.87	365.79	226.57	1.39
	6814.000	84.00	0.0	0.0	2200.00	716.90	730.23	0.0	6.86	265.03	379.91	330.34	0.0
	6814.000	84.00	0.0	0.0	2200.00	716.90	730.30	0.0	6.84	340.00	372.00	321.55	0.07
	6847.000	33.00	730.00	729.70	2200.00	716.90	730.30	0.0	6.80	250.09	398.19	340.42	0.0
	6847.000	33.00	999999.00	0.0	2200.00	716.90	730.37	0.0	6.80	348.00	372.00	323.30	0.07
F	6930.000	83.00	0.0	0.0	2200.00	718.70	731.25	0.0	2.11	140.82	716.04	1617.74	0.0
	6930.000	83.00	0.0	0.0	2200.00	718.70	731.37	0.0	2.75	299.74	523.96	1011.54	0.12
	76.360	706.00	0.0	0.0	2200.00	721.20	732.46	0.0	3.48	217.29	702.69	923.38	0.0
	76.360	706.00	0.0	0.3	2200.00	721.20	733.14	0.0	4.01	338.31	426.88	507.36	0.68
	83.420	706.00	0.0	0.0	2200.00	723.70	735.01	0.0	3.41	212.62	703.24	949.42	0.0
	83.420	706.00	0.0	0.0	2200.00	723.70	735.96	0.0	3.77	337.01	436.14	617.38	0.95
	90.480	706.00	0.0	0.0	2200.00	726.20	737.50	0.0	3.43	214.17	703.06	940.78	0.0
	90.480	706.00	0.0	0.0	2200.00	726.20	738.50	0.0	3.77	337.57	432.18	612.47	1.00

SECNO	YLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
97.540	706.00	0.0	0.0	2200.00	728.70	740.00	0.0	3.42	213.27	703.16	945.80	0.0
97.540	706.00	0.0	0.0	2200.00	728.70	741.02	0.0	3.75	357.24	434.53	619.93	1.02
10460.000	706.00	0.0	0.0	2000.00	733.30	743.74	0.0	6.48	1403.91	1661.64	451.20	0.0
10460.000	706.00	0.0	0.0	2000.00	733.30	744.70	0.0	7.11	1595.80	1643.18	313.02	0.96
10535.000	75.00	0.0	0.0	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.69	0.0
10535.000	75.00	0.0	0.0	2000.00	733.30	745.70	0.0	5.39	1600.00	1640.00	370.81	1.18
10564.000	29.00	740.30	745.90	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.68	0.0
10564.000	29.00	999999.00	0.0	2000.00	733.30	745.70	0.0	5.39	1600.00	1640.00	370.80	1.18
10639.000	75.00	0.0	0.0	2000.00	733.80	745.45	0.0	4.39	1460.22	1672.70	682.11	0.0

	10535.000	75.00	0.0	0.0	2000.00	733.30	744.52	0.0	6.18	1400.00	1640.00	323.69	0.0
	10535.000	75.00	0.0	0.0	2000.00	733.30	745.70	0.0	5.39	1400.00	1640.00	370.81	1.18
	10564.000	29.00	740.30	745.90	2000.00	733.30	744.52	0.0	6.18	1400.00	1640.00	323.68	0.0
	10564.000	29.00	999999.00	0.0	2000.00	733.30	745.70	0.0	5.39	1400.00	1640.00	370.80	1.18
GM	10639.000	75.00	0.0	0.0	2000.00	733.80	745.45	0.0	4.39	1468.22	1672.70	682.11	0.0
	10639.000	75.00	0.0	0.0	2000.00	733.80	746.32	0.0	4.04	1562.04	1648.64	520.14	0.87
AF	13400.000	2761.00	0.0	0.0	1880.00	735.30	749.38	0.0	1.92	1074.83	1430.00	1562.67	0.0
	13400.000	2761.00	0.0	0.0	1880.00	735.30	750.38	0.0	2.03	1126.26	1366.04	1375.69	1.01
Y	16475.000	3075.00	0.0	0.0	1670.00	756.80	765.13	765.13	7.06	1090.49	1418.12	412.89	0.0
	16475.000	3075.00	0.0	0.0	1670.00	756.80	765.33	765.33	10.85	1097.44	1174.05	203.97	0.20
	16550.000	75.00	0.0	0.0	1670.00	757.50	766.34	0.0	6.47	1280.59	1385.59	331.43	0.0
	16550.000	75.00	0.0	0.0	1670.00	757.50	767.58	0.0	6.97	1281.44	1315.05	269.43	1.24
	16571.000	21.00	766.70	766.50	1670.00	757.50	767.73	0.0	4.17	1280.15	1603.86	656.72	0.0
	16571.000	21.00	999799.00	0.0	1670.00	757.50	768.97	0.0	4.34	1280.99	1339.69	459.32	1.24
	16646.000	75.00	0.0	0.0	1670.00	757.10	767.98	0.0	2.13	1087.33	1490.88	1341.69	0.0
	16646.000	75.00	0.0	0.0	1670.00	757.10	769.28	0.0	2.09	1092.62	1307.76	1163.76	1.30
J	19468.000	2022.00	0.0	0.0	1470.00	790.10	792.84	792.84	9.13	1898.25	1959.35	174.17	0.0
	19468.000	2022.00	0.0	0.0	1470.00	790.10	793.01	793.01	9.70	1900.00	1952.00	151.60	0.17
	19488.000	20.00	0.0	0.0	1470.00	790.10	794.25	0.0	5.69	1876.11	1963.14	288.90	0.0
	19488.000	20.00	0.0	0.0	1470.00	790.10	794.71	0.0	6.14	1900.00	1952.00	239.59	0.46
LIMIT OF DETAILED STUDY													
*	19512.000	24.00	807.60	806.00	1470.00	790.10	796.50	0.0	3.39	1863.19	1969.17	505.88	0.0
*	19512.000	24.00	807.60	806.00	1470.00	790.10	797.50	0.0	2.83	1857.45	1971.85	616.04	1.00
K	19532.000	20.00	0.0	0.0	1470.00	790.10	796.57	0.0	3.35	1862.81	1969.35	512.94	0.0
	19532.000	20.00	0.0	0.0	1470.00	790.10	797.47	0.0	3.80	1898.65	1952.72	398.17	0.90
V	22400.000	2068.00	0.0	0.0	710.00	793.50	798.77	0.0	0.64	1099.51	1395.21	1235.22	0.0
	22400.000	2068.00	0.0	0.0	710.00	793.50	799.81	0.0	0.73	1130.59	1306.67	1038.87	1.04
M	26900.000	4500.00	0.0	0.0	710.00	834.80	838.65	838.65	9.81	1045.91	1085.87	89.03	0.0
	26900.000	4500.00	0.0	0.0	710.00	834.80	839.50	839.50	12.33	1061.93	1077.83	64.70	0.85

SUMMARY OF ERRORS

CAUTION SECNO=16475.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO=16475.000 PROFILE= 1 PROBABLE FAILURE DEPTIC THEORY

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE 1. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A 075.000	305.	1210.	2.2	716.2	715.2	1.0
B 2250.000	85.	548.	8.5	721.0	720.0	1.0
2345.000	80.	662.	8.8	721.5	720.4	1.1
2365.000	84.	673.	8.7	721.7	720.6	1.1
C 2450.000	82.	550.	4.5	721.9	721.0	0.9
D 5000.000	335.	1295.	1.3	725.9	724.9	1.0
E 6730.000	84.	227.	0.72(0.7)	727.2	726.4	1.4
6814.000	88.	322.	6.9	730.3	730.2	0.1
6847.000	104.	323.	6.8	730.4	730.3	0.1
F 6930.000	224.	1012.	2.2	731.4	731.3	0.1
75.350	89.	567.	3.9	733.2	732.5	0.7
83.420	87.	617.	3.6	735.9	735.0	0.9
90.490	85.	612.	3.6	738.5	737.5	1.0
97.540	87.	620.	3.5	741.0	740.0	1.0
G 10020.000	87.	313.	6.4(6.0)	744.7	743.7	1.0
10530.000	89.	371.	5.4	745.7	744.5	1.2
10564.000	86.	371.	5.4	745.7	744.5	1.2
H 10630.000	87.	520.	3.8	746.3	745.4	0.9
J 13400.000	298.	1376.	1.8	750.4	749.4	1.0
16475.000	77.	294.	0.2(0.1)	765.3	765.1	0.2
16550.000	84.	269.	6.2	767.5	766.3	1.2
16571.000	89.	459.	3.6	769.9	767.7	1.2
16605.000	215.	1164.	1.4	769.3	769.0	1.3
K 19400.000	82.	152.	0.7(0.7)	793.0	792.8	0.2
19440.000	82.	240.	6.1	794.7	794.2	0.5
19510.000	114.	616.	2.4	797.5	796.5	1.0
L 19530.000	84.	390.	3.7	797.5	796.6	0.9
M 22400.000	170.	1032.	0.7	799.4	799.3	1.0
N 26000.000	115.	65.	11.0	839.5	839.5	0.9 (0.0)

ERROR CORR - 01
 MODIFICATION - 50,51,52

C
 T1 ROWAN CO BASIN F LAKE WRIGHT BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IOIR	STRT	METRIC	HVINS	Q	WSLL	FQ
	-1.	2.	0.	0.	0.002500	0.0	0.0	0.	710.700	0.0
J2	HPROF	IPLOT	PRFVS	XSECV	XSECH	FM	ALLDC	IRW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	39.000	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	201.000	0.0	0.0	0.0	0.0	0.0
UC	0.090	0.090	0.085	0.100	0.300	0.0	0.0	0.0	0.0	0.0
UT	5.000	1200.000	2300.000	2650.000	4150.000	2650.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	875.000	21.000	388.000	435.000	875.000	875.000	875.000	875.000	0.0	0.0
GR	725.000	0.0	723.100	50.000	714.200	220.000	713.100	295.000	713.900	388.000
GR	706.100	393.000	705.700	393.000	706.300	404.000	710.300	416.000	710.900	430.000
GR	713.500	435.000	711.600	577.000	712.000	613.000	710.900	622.000	712.100	633.000
GR	712.200	670.000	710.900	693.000	712.600	710.000	711.800	717.000	713.400	730.000
GR	725.000	770.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1200.000	2030.000	2520.000	3940.000	2520.000	0.0	0.0	0.0	0.0
X1	2250.000	17.000	300.000	340.000	1375.000	1375.000	1375.000	0.0	0.0	0.0
GR	727.600	0.0	718.000	190.000	718.000	195.000	720.000	202.000	719.400	250.000
GR	717.200	260.000	716.400	300.000	713.800	303.000	709.200	308.000	709.100	313.000
GR	709.600	320.000	713.000	330.000	716.800	340.000	717.400	330.000	718.900	430.000
GR	723.200	460.000	727.400	500.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	2335.000	13.000	280.000	340.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	731.300	0.0	725.900	130.000	722.000	280.000	712.500	280.100	710.500	297.000
GR	708.700	300.000	708.700	320.000	710.500	321.000	712.500	339.900	722.000	340.000
GR	722.200	350.000	724.000	420.000	727.300	400.000	0.0	0.0	0.0	0.0

GR	727.600	0.0	718.800	190.000	718.000	195.000	720.000	202.000	719.400	250.000
GR	717.200	260.000	716.400	300.000	713.800	303.000	709.200	308.000	709.100	313.000
GP	709.600	320.000	713.800	330.000	716.800	340.000	717.400	330.000	718.900	430.000
GR	723.200	460.000	727.400	500.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	2335.000	13.000	280.000	340.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	731.300	0.0	725.500	130.000	722.000	280.000	712.500	280.100	710.500	297.000
GR	708.700	300.000	708.700	320.000	710.500	321.000	712.500	339.900	722.000	340.000
GR	722.200	350.000	724.500	420.000	727.300	480.000	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	60.000	3.000	568.000	0.0	0.0	0.0

2350

RONN MILLER ROAD

MXCEL 720.4

REFLV 722.0

X1	2345.000	0.0	0.0	0.0	30.000	30.000	30.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	7.000	0.0	731.300	0.0	130.000	725.400	0.0	280.000	722.000	720.400
BT	340.000	722.000	720.400	350.000	722.200	0.0	420.000	724.500	0.0	480.000
BT	727.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2450.000	15.000	260.000	312.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	730.200	0.0	726.700	80.000	726.800	100.000	719.600	170.000	719.000	260.000
GR	714.800	270.000	714.400	280.000	710.000	300.000	709.800	306.000	709.400	310.000
GR	716.600	312.000	716.900	332.000	716.900	352.000	722.800	372.000	726.200	392.000
BT	5.000	1180.000	2000.000	2500.000	3860.000	2500.000	0.0	0.0	0.0	0.0

X1	5090.000	24.000	260.000	300.000	2630.000	2630.000	2630.000	0.0	0.0	0.0
GR	736.100	0.0	727.400	190.000	724.000	220.000	724.500	240.000	721.200	260.000
GP	713.900	263.000	713.800	270.000	714.000	277.000	723.600	300.000	722.100	305.000
GR	719.500	420.000	720.100	427.000	719.600	441.000	720.800	520.000	721.100	540.000
GR	719.700	545.000	721.200	547.000	720.000	605.000	720.200	647.000	720.800	670.000
GR	720.400	680.000	726.600	780.000	727.900	799.000	732.000	819.000	0.0	0.0
BT	5.000	1040.000	1780.000	2200.000	3410.000	2200.000	0.0	0.0	0.0	0.0

X1	6730.000	21.000	330.000	366.000	1650.000	1650.000	1650.000	0.0	0.0	0.0
GR	738.100	0.0	733.900	90.000	733.200	120.000	731.600	130.000	729.100	155.000
GR	727.600	215.000	727.300	290.000	728.500	310.000	729.200	330.000	721.800	340.000
GR	719.100	353.000	718.000	360.000	718.600	363.000	726.500	366.000	729.500	373.000
GR	728.900	376.000	728.200	405.000	729.300	620.000	730.400	644.000	736.500	655.000
GR	740.800	675.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6814.000	11.000	348.000	372.000	84.000	84.000	84.000	0.0	0.0	0.0
GR	736.900	0.0	734.100	80.000	731.200	180.000	730.000	285.000	730.200	348.000
GR	716.900	348.000	716.900	372.000	730.200	372.000	730.500	445.000	730.900	550.000

GR	727.600	215.200	727.300	290.000	728.500	310.000	729.200	330.000	721.800	340.000
GR	719.100	353.000	718.000	360.000	718.600	363.000	728.500	366.000	729.500	373.000
GR	728.900	376.000	728.200	405.000	729.300	620.000	730.400	644.000	736.500	655.000
GR	740.800	675.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6814.000	11.000	348.000	372.000	84.000	84.000	84.000	0.0	0.0	0.0
GR	736.900	0.0	734.100	80.000	731.200	160.000	730.000	285.000	730.200	348.000
GR	716.900	348.000	716.900	372.000	730.200	372.000	730.500	445.000	730.800	550.000
SR	735.000	670.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	24.000	0.010	307.200	0.0	0.0	0.0

6830 RUMY BARNHART ROAD EXLCEL 729.7 RDELV 730.2

X1	6847.000	0.0	0.0	0.0	33.000	33.000	33.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	729.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	9.000	0.0	736.900	0.0	80.000	734.100	0.0	130.000	731.200	0.0
BT	285.000	730.000	0.0	348.000	730.200	729.700	372.000	730.200	729.700	445.000
BT	730.500	0.0	550.000	730.800	0.0	670.000	735.000	0.0	0.0	0.0

X1	6930.000	31.000	340.000	412.000	83.000	83.000	83.000	0.0	0.0	0.0
GR	735.500	0.0	735.300	65.000	732.300	100.000	730.500	170.000	728.900	310.000
GR	727.000	340.000	723.300	346.000	718.900	352.000	718.700	355.000	718.900	365.000
GR	727.700	378.000	727.900	381.000	725.200	390.000	721.800	405.000	721.400	407.000
GR	722.500	409.000	729.600	412.000	729.000	425.000	729.200	442.000	728.400	456.000
GR	728.000	518.000	728.000	527.000	729.200	560.000	727.100	564.000	729.300	565.000
GR	728.500	605.000	729.200	670.000	729.700	700.000	735.500	760.000	737.900	770.000
GR	739.900	830.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	76.360	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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X1	83.420	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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X1	90.460	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
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X1	97.540	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
BT	5.000	920.000	1610.000	2000.000	3110.000	2000.000	0.0	0.0	0.0	0.0

X1	10460.000	13.000	1613.000	1641.000	706.000	706.000	706.000	0.0	-0.500	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.800	1626.000	734.300	1633.000	742.000	1641.000
GR	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0

X1	72.361	0.1	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
X1	83.420	0.1	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
X1	90.420	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
X1	97.540	0.0	0.0	0.0	706.000	706.000	706.000	0.0	2.500	0.0
JT	5.000	920.000	1610.000	2900.000	3110.000	2000.000	0.0	0.0	0.0	0.0
X1	10460.000	13.000	1613.000	1641.000	706.000	706.000	706.000	0.0	-0.500	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.000	1626.000	734.300	1633.000	742.000	1641.000
GR	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0
X1	10535.000	19.000	1600.000	1640.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	763.000	1000.000	759.100	1100.000	755.600	1200.000	752.600	1300.000	750.500	1400.000
GR	749.000	1500.000	748.300	1600.000	738.000	1600.000	738.100	1609.000	733.800	1615.000
GR	733.300	1620.000	733.500	1626.000	739.500	1635.000	740.000	1640.000	748.300	1640.000
GR	749.200	1700.000	754.600	1800.000	761.300	1900.000	763.900	1942.000	0.0	0.0
SS	0.900	1.500	2.500	0.0	40.000	0.010	379.000	0.0	0.0	0.0

10549 RDNQ STIREWALT ROAD HXLCEL 745.0

RDELV 748.3

X1	10564.000	0.0	0.0	0.0	29.000	29.000	29.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	745.900	740.300	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	763.000	0.0	1100.000	759.100	0.0	1200.000	755.600	0.0
BT	1300.000	752.600	0.0	1400.000	750.500	0.0	1500.000	749.000	0.0	1600.000
BT	748.300	745.900	1640.000	748.300	745.000	1700.000	749.200	0.0	1800.000	754.600
BT	0.0	1900.000	761.300	0.0	1942.000	763.900	0.0	0.0	0.0	0.0
X1	10639.000	13.000	1613.000	1641.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.000	1626.000	734.300	1633.000	742.000	1641.000
GR	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0
JT	5.000	850.000	1500.000	1880.000	2910.000	1800.000	0.0	0.0	0.0	0.0
X1	13400.000	13.000	1200.000	1234.000	2761.000	2761.000	2761.000	0.0	0.0	0.0
GR	760.600	1000.000	745.600	1100.000	746.500	1200.000	741.800	1208.000	735.300	1210.000
GR	736.900	1217.000	737.700	1224.000	742.200	1234.000	743.000	1243.000	746.300	1248.000
GR	745.200	1300.000	744.400	1400.000	746.200	1430.000	0.0	0.0	0.0	0.0
JT	5.000	740.000	1330.000	1670.000	2600.000	1670.000	0.0	0.0	0.0	0.0

GR	759.900	1200.000	759.300	1300.000	750.700	1400.000	743.000	1500.000	742.200	1600.000
GR	741.800	1613.000	734.200	1620.000	733.800	1626.000	734.300	1633.000	742.000	1641.000
GR	748.400	1700.000	753.700	1800.000	762.400	1900.000	0.0	0.0	0.0	0.0
QT	5.000	850.000	1500.000	1880.000	2910.000	1880.000	0.0	0.0	0.0	0.0

X1	13400.000	13.000	1208.000	1234.000	2761.000	2761.000	2761.000	0.0	0.0	0.0
GR	760.600	1000.000	745.600	1100.000	746.500	1200.000	741.800	1208.000	735.300	1210.000
GR	736.900	1217.000	737.700	1224.000	742.200	1234.000	743.800	1243.000	746.300	1248.000
GR	745.200	1300.000	744.400	1400.000	746.200	1430.000	0.0	0.0	0.0	0.0
QT	5.000	740.000	1330.000	1670.000	2600.000	1670.000	0.0	0.0	0.0	0.0

X1	16475.000	25.000	1100.000	1117.000	3075.000	3075.000	3075.000	0.0	-0.300	0.0
GR	773.800	1000.000	776.100	1057.000	771.400	1067.000	767.700	1089.000	762.900	1093.000
GR	761.400	1100.000	758.100	1104.000	757.800	1109.000	757.100	1114.000	761.500	1117.000
GR	765.100	1135.000	764.300	1200.000	764.800	1400.000	768.300	1500.000	775.700	1600.000

X1	16550.000	18.000	1282.000	1300.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	783.700	1075.000	780.700	1100.000	772.600	1200.000	768.200	1280.000	761.900	1282.000
GR	759.900	1288.000	757.800	1290.000	757.500	1294.000	757.500	1298.000	759.200	1300.000
GR	759.800	1305.000	765.200	1340.000	766.700	1400.000	766.700	1500.000	767.600	1600.000
GR	771.000	1700.000	776.100	1600.000	782.600	1900.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	0.010	137.000	0.0	0.0	0.0

16560

RONA KIMBALL STREET MXLCEL 766.4

RDELV 768.6

X1	16571.000	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	766.500	766.700	0.0	0.0	0.0	0.0	0.0
BT	11.000	1075.000	783.700	0.0	1100.000	780.700	0.0	1200.000	772.600	0.0
BT	1282.000	768.600	765.400	1300.000	768.300	766.500	1400.000	766.700	0.0	1500.000
BT	766.700	0.0	1600.000	767.600	0.0	1700.000	771.000	0.0	1500.000	776.100
BT	0.0	1900.000	782.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	16546.000	15.000	1100.000	1117.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	773.800	1000.000	776.100	1057.000	771.400	1067.000	767.700	1089.000	762.900	1093.000
GR	761.400	1100.000	758.100	1104.000	757.800	1109.000	757.100	1114.000	761.500	1117.000
GR	765.100	1135.000	764.300	1200.000	764.800	1400.000	768.300	1500.000	775.700	1600.000
QT	5.000	640.000	1170.000	1470.000	2270.000	1470.000	0.0	0.0	0.0	0.0

X1	15458.000	18.000	1000.000	1952.000	2822.000	2822.000	2822.000	0.0	-0.100	0.0
GR	814.400	1000.000	812.200	1100.000	810.100	1200.000	808.000	1300.000	807.400	1400.000
GR	807.300	1500.000	807.400	1600.000	807.700	1700.000	807.600	1800.000	790.200	1900.000
GR	790.200	1952.000	808.100	2000.000	809.300	2100.000	810.300	2200.000	811.200	2300.000
GR	815.500	2400.000	821.200	2500.000	824.800	2540.000	0.0	0.0	0.0	0.0

 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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

	SECTN	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	0												
	875.000	875.00	0.0	0.0	1200.00	705.70	714.02	0.0	2.38	232.22	732.14	847.99	0.0
A	875.000	875.00	0.0	0.0	2300.00	705.70	714.95	0.0	2.65	205.68	735.34	1329.50	0.93
	875.000	875.00	0.0	0.0	2650.00	705.70	715.20	0.0	2.74	200.95	736.20	1461.30	0.25
	875.000	875.00	0.0	0.0	4150.00	705.70	716.16	0.0	3.01	182.63	739.50	1985.07	0.96
	2250.000	1375.00	0.0	0.0	1200.00	709.10	718.44	0.0	3.86	192.24	414.75	403.66	0.0
B	2250.000	1375.00	0.0	0.0	2030.00	709.10	719.54	0.0	4.65	174.11	434.44	611.76	1.10
	2250.000	1375.00	0.0	0.0	2520.00	709.10	720.01	0.0	5.01	164.04	437.69	727.23	0.47
	2250.000	1375.00	0.0	0.0	3940.00	709.10	721.09	0.0	5.68	140.57	445.27	1041.02	1.08
	2335.000	85.00	0.0	0.0	1200.00	708.70	718.76	0.0	2.41	200.03	339.97	498.31	0.0
	2335.000	85.00	0.0	0.0	2030.00	708.70	719.93	0.0	3.57	200.02	339.98	568.06	1.16
	2335.000	85.00	0.0	0.0	2520.00	708.70	720.41	0.0	4.22	200.02	339.98	596.87	0.48
	2335.000	85.00	0.0	0.0	3940.00	708.70	721.49	0.0	5.95	200.01	339.99	661.73	1.08

105.7
 105.7

675.000	675.00	0.0	0.0	4100.00	709.70	716.16	0.0	3.01	162.63	739.50	1985.07	0.96
2250.000	1375.00	0.0	0.0	1200.00	709.10	718.44	0.0	3.86	192.24	414.75	403.66	0.0
2250.000	1375.00	0.0	0.0	2030.00	709.10	719.54	0.0	4.65	174.11	434.44	611.76	1.10
2250.000	1375.00	0.0	0.0	2520.00	709.10	720.01	0.0	5.01	164.04	437.69	727.23	0.47
2250.000	1375.00	0.0	0.0	3940.00	709.10	721.09	0.0	5.68	140.57	445.27	1041.62	1.00
2335.000	85.00	0.0	0.0	1200.00	708.70	718.76	0.0	2.41	280.03	339.97	498.31	0.0
2335.000	85.00	0.0	0.0	2030.00	708.70	719.93	0.0	3.57	280.02	339.98	568.06	1.16
2335.000	85.00	0.0	0.0	2520.00	708.70	720.41	0.0	4.22	280.02	339.98	596.87	0.48
2335.000	85.00	0.0	0.0	3940.00	708.70	721.49	0.0	5.95	280.01	339.99	661.73	1.08
2365.000	30.00	722.00	720.40	1200.00	708.70	718.77	0.0	2.41	280.03	339.97	498.80	0.0
2365.000	30.00	722.00	720.40	2030.00	708.70	719.95	0.0	3.57	280.02	339.98	569.29	1.10
2365.000	30.00	722.00	720.40	2520.00	708.70	720.60	0.0	4.14	280.01	339.99	608.42	0.65
2365.000	30.00	722.00	720.40	3940.00	708.70	722.08	0.0	5.65	276.74	344.24	697.86	1.49
2450.000	85.00	0.0	0.0	1200.00	709.40	718.91	0.0	3.64	260.23	352.02	363.36	0.0
2450.000	85.00	0.0	0.0	2030.00	709.40	720.23	0.0	4.41	163.85	358.93	576.00	1.32
2450.000	85.00	0.0	0.0	2520.00	709.40	720.97	0.0	4.51	156.65	362.63	724.38	0.74
2450.000	85.00	0.0	0.0	3940.00	709.40	722.77	0.0	4.66	139.15	371.86	1119.40	1.80
5080.000	2630.00	0.0	0.0	1180.00	713.80	723.05	0.0	1.43	244.78	722.78	1273.66	0.0
5080.000	2630.00	0.0	0.0	2000.00	713.80	724.29	0.0	1.50	217.44	742.75	1878.85	1.23
5080.000	2630.00	0.0	0.0	2500.00	713.80	724.88	0.0	1.58	212.13	752.37	2195.51	0.60
5080.000	2630.00	0.0	0.0	3860.00	713.80	726.33	0.0	1.71	199.45	775.64	3000.84	1.44
6730.000	1650.00	0.0	0.0	1040.00	718.00	725.66	0.0	6.62	334.78	365.14	157.19	0.0
6730.000	1650.00	0.0	0.0	1780.00	718.00	726.29	0.0	10.07	333.92	365.33	176.83	0.64
6730.000	1650.00	0.0	0.0	2200.00	718.00	726.43	0.0	12.15	333.74	365.37	181.09	0.13
6730.000	1650.00	0.0	0.0	3410.00	718.00	729.35	729.35	8.43	152.47	621.16	678.89	2.93
6814.000	84.00	0.0	0.0	1040.00	716.90	726.97	0.0	4.30	348.00	372.00	241.70	0.0
6814.000	84.00	0.0	0.0	1780.00	716.90	729.04	0.0	6.11	348.00	372.00	291.37	2.07
6814.000	84.00	0.0	0.0	2200.00	716.90	730.23	0.0	6.86	255.10	379.74	330.26	1.19
6814.000	84.00	0.0	0.0	3410.00	716.90	730.87	725.43	9.45	208.10	552.26	481.07	0.64

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	QWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
6847.000	33.00	730.00	729.70	1040.00	716.90	726.97	0.0	4.30	348.00	372.00	241.72	0.0
6847.000	33.00	730.00	729.70	1780.00	716.90	729.04	0.0	6.11	348.00	372.00	291.47	2.07
6847.000	33.00	730.00	729.70	2200.00	716.90	730.30	0.0	6.80	253.03	398.23	340.44	1.25
6847.000	33.00	730.00	729.70	3410.00	716.90	730.95	0.0	9.25	201.72	554.34	506.47	0.65

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRHS	VCH	SSTA	ENDST	AREA	DIFWSP
6847.000	33.00	730.00	729.70	1040.00	716.90	726.97	0.0	4.30	348.00	372.00	241.72	0.0
6847.000	33.00	730.00	729.70	1780.00	716.90	729.04	0.0	6.11	348.00	372.00	291.47	2.07
6847.000	33.00	730.00	729.70	2200.00	716.90	730.30	0.0	6.80	258.00	398.23	340.44	1.25
6847.000	33.00	730.00	729.70	3410.00	716.90	730.95	0.0	9.25	201.72	554.34	506.47	0.65
6930.000	83.00	0.0	0.0	1040.00	713.70	727.57	0.0	3.22	330.96	564.21	324.95	0.0
6930.000	83.00	0.0	0.0	1780.00	713.70	729.95	0.0	2.82	217.65	702.64	921.41	2.37
6930.000	83.00	0.0	0.0	2200.00	713.70	731.25	0.0	2.11	140.83	716.04	1617.65	1.30
6930.000	83.00	0.0	0.0	3410.00	713.70	732.46	0.0	2.21	98.15	728.53	2348.23	1.21
76.360	706.00	0.0	0.0	1040.00	721.20	730.63	0.0	2.86	322.25	564.47	372.03	0.0
76.360	706.00	0.0	0.0	1780.00	721.20	732.01	0.0	3.35	256.37	688.78	717.29	1.39
76.360	706.00	0.0	0.0	2200.00	721.20	732.46	0.0	3.48	217.27	702.69	923.50	0.45
76.360	706.00	0.0	0.0	3410.00	721.20	733.54	0.0	3.53	148.89	713.89	1499.49	1.08
83.420	706.00	0.0	0.0	1040.00	723.70	733.18	0.0	2.83	321.34	564.49	377.65	0.0
83.420	706.00	0.0	0.0	1780.00	723.70	734.58	0.0	3.27	250.27	692.97	747.73	1.40
83.420	706.00	0.0	0.0	2200.00	723.70	735.01	0.0	3.41	212.62	703.24	949.44	0.43
83.420	706.00	0.0	0.0	3410.00	723.70	735.89	0.0	3.74	154.72	712.34	1415.28	0.88
90.480	706.00	0.0	0.0	1040.00	726.20	735.69	0.0	2.83	321.27	564.49	378.14	0.0
90.480	706.00	0.0	0.0	1780.00	726.20	737.07	0.0	3.28	251.49	692.13	741.55	1.39
90.480	706.00	0.0	0.0	2200.00	726.20	737.50	0.0	3.43	214.18	703.05	940.72	0.43
90.480	706.00	0.0	0.0	3410.00	726.20	738.41	0.0	3.71	154.09	712.51	1424.42	0.91
97.540	706.00	0.0	0.0	1040.00	728.70	738.18	0.0	2.82	321.23	564.49	378.35	0.0
97.540	706.00	0.0	0.0	1780.00	728.70	739.57	0.0	3.28	250.90	692.53	744.50	1.39
97.540	706.00	0.0	0.0	2200.00	728.70	740.00	0.0	3.42	213.28	703.16	945.74	0.43
97.540	706.00	0.0	0.0	3410.00	728.70	740.91	0.0	3.72	154.19	712.48	1422.89	0.90
10460.000	706.00	0.0	0.0	920.00	733.30	741.86	0.0	5.30	1579.64	1644.34	179.60	0.0
10460.000	706.00	0.0	0.0	1610.00	733.30	743.28	0.0	6.13	1489.93	1657.37	371.25	1.41
10460.000	706.00	0.0	0.0	2000.00	733.30	743.74	0.0	6.48	1483.91	1661.64	451.23	0.46
10460.000	706.00	0.0	0.0	3110.00	733.30	744.73	0.0	7.30	1471.06	1670.77	638.02	0.99
10535.000	75.00	0.0	0.0	920.00	733.30	742.55	0.0	3.70	1600.00	1640.00	248.88	0.0
10535.000	75.00	0.0	0.0	1610.00	733.30	744.06	0.0	5.27	1600.00	1640.00	305.26	1.41
10535.000	75.00	0.0	0.0	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.69	0.46
10535.000	75.00	0.0	0.0	3110.00	733.30	745.47	0.0	8.60	1600.00	1640.00	361.63	0.95
10564.000	29.00	748.30	745.90	920.00	733.30	742.65	0.0	3.70	1600.00	1640.00	248.89	0.0
10564.000	29.00	748.30	745.90	1610.00	733.30	744.06	0.0	5.27	1600.00	1640.00	305.24	1.41
10564.000	29.00	748.30	745.90	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.68	0.46
10564.000	29.00	748.30	745.90	3110.00	733.30	746.02	0.0	8.11	1600.00	1640.00	383.54	1.50
10639.000	75.00	0.0	0.0	920.00	733.30	743.04	0.0	4.50	1499.44	1650.62	254.56	0.0
10639.000	75.00	0.0	0.0	1610.00	733.30	744.77	0.0	4.36	1477.00	1662.55	540.00	1.39

10535.000	75.00	0.0	0.0	920.00	733.30	742.65	0.0	3.70	1600.00	1640.00	248.88	0.0
10535.000	75.00	0.0	0.0	1610.00	733.30	744.06	0.0	5.27	1600.00	1640.00	305.26	1.41
10535.000	75.00	0.0	0.0	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.69	0.46
10535.000	75.00	0.0	0.0	3110.00	733.30	745.47	0.0	8.60	1600.00	1640.00	361.63	0.95
10564.000	29.00	748.30	745.90	920.00	733.30	742.65	0.0	3.70	1600.00	1640.00	248.89	0.0
10564.000	29.00	748.30	745.90	1610.00	733.30	744.06	0.0	5.27	1600.00	1640.00	305.24	1.41
10564.000	29.00	748.30	745.90	2000.00	733.30	744.52	0.0	6.18	1600.00	1640.00	323.68	0.46
10564.000	29.00	748.30	745.90	3110.00	733.30	746.02	0.0	8.11	1600.00	1640.00	363.54	1.50
10639.000	75.00	0.0	0.0	920.00	733.80	743.04	0.0	4.50	1499.44	1650.62	254.56	0.0
10639.000	75.00	0.0	0.0	1610.00	733.80	744.77	0.0	4.36	1477.00	1666.55	549.00	1.74
10639.000	75.00	0.0	0.0	2000.00	733.80	745.45	0.0	4.39	1468.22	1672.78	682.11	0.68
10639.000	75.00	0.0	0.0	3110.00	733.80	747.40	0.0	4.10	1442.91	1690.74	1122.93	1.96
13400.000	2761.00	0.0	0.0	850.00	735.30	747.44	0.0	1.66	1087.68	1430.00	890.40	0.0
13400.000	2761.00	0.0	0.0	1500.00	735.30	748.76	0.0	1.83	1078.90	1430.00	1346.85	1.32
13400.000	2761.00	0.0	0.0	1880.00	735.30	749.38	0.0	1.92	1074.83	1430.00	1562.67	0.61
13400.000	2761.00	0.0	0.0	2910.00	735.30	750.85	0.0	2.09	1064.98	1430.00	2094.84	1.48

10535
10564
10639
13400

16475

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENST	AREA	DIFWSP
* 16475.000	3075.00	0.0	0.0	740.00	756.80	762.24	762.24	10.43	1074.66	1122.22	75.14	0.0
* 16475.000	3075.00	0.0	0.0	1330.00	756.80	764.92	764.92	7.28	1091.06	1412.11	344.67	2.68
* 16475.000	3075.00	0.0	0.0	1670.00	756.80	765.13	765.13	7.86	1090.89	1418.12	412.89	0.21
* 16475.000	3075.00	0.0	0.0	2600.00	756.80	765.56	765.56	9.19	1090.53	1430.24	554.30	0.42
16550.000	75.00	0.0	0.0	740.00	757.50	764.89	0.0	4.10	1281.05	1337.98	219.89	0.0
16550.000	75.00	0.0	0.0	1330.00	757.50	766.03	0.0	5.56	1280.69	1373.16	300.74	1.14
16550.000	75.00	0.0	0.0	1670.00	757.50	766.34	0.0	6.47	1280.59	1385.59	361.43	0.31
16550.000	75.00	0.0	0.0	2600.00	757.50	767.04	0.0	8.30	1280.37	1538.22	453.97	0.70
16571.000	21.00	766.70	766.50	740.00	757.50	764.89	0.0	4.10	1281.05	1337.98	219.87	0.0
16571.000	21.00	766.70	766.50	1330.00	757.50	766.03	0.0	5.56	1280.69	1373.16	300.74	1.14
16571.000	21.00	766.70	766.50	1670.00	757.50	767.73	0.0	4.17	1280.15	1603.86	656.72	1.70
16571.000	21.00	766.70	766.50	2600.00	757.50	768.45	0.0	4.96	1275.34	1625.18	899.86	0.72
16646.000	75.00	0.0	0.0	740.00	757.10	765.34	0.0	3.75	1090.98	1415.13	378.78	0.0
16646.000	75.00	0.0	0.0	1330.00	757.10	766.64	0.0	2.99	1089.07	1452.89	832.88	1.31
16646.000	75.00	0.0	0.0	1670.00	757.10	767.98	0.0	2.13	1087.33	1490.88	1341.69	1.34
16646.000	75.00	0.0	0.0	2600.00	757.10	768.77	0.0	2.54	1082.64	1506.32	1668.41	0.72

16571.000	21.00	766.70	766.50	1330.00	757.50	766.03	0.0	5.56	1200.62	1373.16	300.74	1.14
16571.000	21.00	766.70	766.50	1670.00	757.50	767.73	0.0	4.17	1280.15	1603.86	656.72	1.70
16571.000	21.00	766.70	766.50	2600.00	757.50	768.45	0.0	4.96	1275.34	1625.18	899.86	0.72
16646.000	75.00	0.0	0.0	740.00	757.10	765.34	0.0	3.75	1090.98	1415.13	378.78	0.0
16646.000	75.00	0.0	0.0	1330.00	757.10	766.64	0.0	2.99	1099.87	1452.89	832.88	1.31
16646.000	75.00	0.0	0.0	1670.00	757.10	767.98	0.0	2.13	1087.33	1490.88	1341.69	1.34
16646.000	75.00	0.0	0.0	2600.00	757.10	768.77	0.0	2.54	1092.65	1506.32	1668.41	0.79
19463.000	2822.00	0.0	0.0	640.00	790.10	792.09	0.0	5.63	1880.53	1957.35	120.61	0.0
19463.000	2822.00	0.0	0.0	1160.00	790.10	792.45	792.45	8.53	1886.48	1958.31	145.66	0.37
19463.000	2822.00	0.0	0.0	1470.00	790.10	792.84	792.84	9.13	1884.25	1959.35	174.17	0.39
19463.000	2822.00	0.0	0.0	2270.00	790.10	793.68	793.68	10.42	1879.40	1961.61	240.50	0.84
19488.000	20.00	0.0	0.0	640.00	790.10	792.79	0.0	4.06	1880.53	1959.22	170.51	0.0
19488.000	20.00	0.0	0.0	1160.00	790.10	793.79	0.0	5.15	1878.81	1961.89	248.99	0.99
19488.000	20.00	0.0	0.0	1470.00	790.10	794.25	0.0	5.69	1876.11	1963.14	288.90	0.46
19488.000	20.00	0.0	0.0	2270.00	790.10	795.27	0.0	6.79	1870.30	1965.86	381.25	1.02
LIMIT OF DETAILED STUDY												
19512.000	24.00	807.60	806.00	640.00	790.10	793.78	0.0	2.85	1878.86	1961.86	248.33	0.0
19512.000	24.00	807.60	806.00	1160.00	790.10	795.57	0.0	3.24	1868.57	1966.66	410.42	1.79
19512.000	24.00	807.60	806.00	1470.00	790.10	796.50	0.0	3.39	1863.19	1969.17	505.88	0.94
19512.000	24.00	807.60	806.00	2270.00	790.10	798.66	0.0	3.63	1850.83	1974.94	753.41	2.15
19532.000	20.00	0.0	0.0	640.00	790.10	793.87	0.0	2.77	1878.30	1962.12	256.39	0.0
19532.000	20.00	0.0	0.0	1160.00	790.10	795.64	0.0	3.19	1868.14	1966.86	417.75	1.77
19532.000	20.00	0.0	0.0	1470.00	790.10	796.57	0.0	3.35	1862.81	1969.35	512.94	0.93
19532.000	20.00	0.0	0.0	2270.00	790.10	798.71	0.0	3.61	1850.53	1975.08	759.85	2.14
22400.000	2868.00	0.0	0.0	275.00	793.50	796.71	0.0	0.49	1099.94	1372.29	650.96	0.0
22400.000	2868.00	0.0	0.0	555.00	793.50	798.06	0.0	0.61	1099.66	1387.26	1027.19	1.35
22400.000	2868.00	0.0	0.0	710.00	793.50	798.77	0.0	0.64	1099.51	1395.21	1235.22	0.72
22400.000	2868.00	0.0	0.0	1100.00	793.50	800.49	0.0	0.69	1099.15	1421.91	1766.36	1.72
26900.000	4500.00	0.0	0.0	275.00	834.80	837.36	837.36	7.52	1050.68	1081.40	43.65	0.0
26900.000	4500.00	0.0	0.0	555.00	834.80	838.25	838.25	9.18	1047.39	1084.49	73.72	0.89
26900.000	4500.00	0.0	0.0	710.00	834.80	838.65	838.65	9.81	1045.91	1085.87	89.03	0.40
26900.000	4500.00	0.0	0.0	1100.00	834.80	839.49	839.49	11.00	1042.77	1088.81	125.33	0.84

SUMMARY OF ERRORS

CAUTION SECNO= 6730.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 6730.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 6730.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO=16475.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

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

C
 T1 ROWAN COUNTY BASIN F STREAM 4
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	715.220	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FM	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	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
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	810.000	1450.000	1750.000	2460.000	1750.000	1750.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	-7.400	0.0	0.0	0.0
						1.0	0.7			

STA. NO. HAVE BEEN CHANGED TO AGREE WITH PROFILE

X1	1300.000	15.000	1610.000	1625.000	1300.000	1300.000	1300.000	0.0	0.0	0.0
GR	729.100	1000.000	721.600	1100.000	716.700	1200.000	715.100	1300.000	714.500	1400.000
GR	712.700	1500.000	713.500	1600.000	713.100	1610.000	708.700	1613.000	708.700	1616.000

	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
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	810.000	1450.000	1750.000	2480.000	1750.000	1750.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	-7.400	0.0	0.0	0.0

STA. NO. HAVE BEEN CHANGED TO AGREE WITH PROFILE

A

X1	1300.000	15.000	1610.000	1625.000	1300.000	1300.000	1300.000	0.0	0.0	0.0
GR	729.100	1000.000	721.600	1100.000	716.700	1200.000	715.100	1300.000	714.500	1400.000
GR	712.700	1500.000	713.500	1600.000	713.100	1610.000	708.700	1613.000	708.700	1616.000
GR	708.100	1620.000	713.200	1625.000	715.500	1677.000	720.500	1700.000	729.100	1740.000
QT	5.000	640.000	1150.000	1420.000	2040.000	1420.000	1420.000	0.0	0.0	0.0

B

X1	3600.000	12.000	1300.000	1426.000	2300.000	2300.000	2300.000	0.0	0.0	0.0
GR	735.600	1000.000	728.300	1100.000	723.600	1200.000	721.400	1300.000	719.400	1388.000
GR	716.300	1392.000	716.400	1401.000	716.800	1410.000	719.700	1416.000	724.000	1426.000
GR	733.100	1500.000	735.600	1513.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	470.000	855.000	1070.000	1580.000	1070.000	1070.000	0.0	0.0	0.0

C

X1	4400.000	15.000	1299.000	1311.000	925.000	925.000	925.000	0.0	-0.600	0.0
GR	742.100	1000.000	736.500	1100.000	730.500	1200.000	727.600	1289.000	723.700	1295.000
GR	723.600	1299.000	720.700	1300.000	720.700	1305.000	720.700	1309.000	722.500	1311.000
GR	725.500	1316.000	727.300	1400.000	730.200	1482.000	737.100	1500.000	740.800	1600.000

X1	4425.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4475.000	26.000	1393.000	1407.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	744.900	1000.000	741.100	1100.000	739.300	1140.000	736.200	1195.000	730.200	1295.000
GR	727.300	1384.000	723.400	1390.000	722.800	1393.000	721.500	1394.000	720.900	1396.000
GR	720.600	1398.000	720.400	1400.000	720.600	1402.000	720.900	1404.000	721.500	1406.000
GR	722.800	1407.000	725.200	1411.000	727.000	1495.000	729.900	1577.000	731.300	1580.000
GR	731.700	1600.000	734.200	1700.000	736.400	1800.000	739.200	1900.000	743.800	2000.000
GR	746.200	2036.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	14.000	0.010	93.000	0.0	0.0	0.0

LIMIT OF DETAILED STUDY

R0N0 JULIAN ROAD MXLCEL 728.9

R0ELV 730.3

GR	727.300	1384.000	723.400	1390.000	722.800	1393.000	721.500	1394.000	720.900	1396.000
GR	720.600	1398.000	720.400	1400.000	720.600	1402.000	720.900	1404.000	721.500	1406.000
GR	722.800	1407.000	725.200	1411.000	727.000	1495.000	729.900	1577.000	731.300	1580.000
GR	731.700	1600.000	734.200	1700.000	736.400	1800.000	739.200	1900.000	743.800	2000.000
GR	746.200	2036.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	14.000	0.010	93.000	0.0	0.0	0.0

LIMIT OF DETAILED STUDY

RDNQ JULIAN ROAD

MXLCEL 728.9

RDELV 730.3

X1	4523.000	0.0	0.0	0.0	48.000	48.000	48.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	728.900	729.900	0.0	0.0	0.0	0.0	0.0
BT	20.000	1000.000	744.900	0.0	1100.000	741.100	0.0	1200.000	736.500	0.0
BT	1300.000	732.100	0.0	1393.000	730.300	722.800	1394.000	730.300	725.400	1396.000
BT	730.300	727.700	1398.000	730.300	728.600	1400.000	730.300	728.900	1402.000	730.300
BT	728.600	1404.000	730.300	727.700	1406.000	730.300	725.400	1407.000	730.300	722.800
BT	1500.000	729.900	0.0	1600.000	731.700	0.0	1700.000	734.200	0.0	1800.000
BT	736.400	0.0	1900.000	739.200	0.0	2000.000	743.800	0.0	2036.000	746.200
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4573.000	15.000	1299.000	1311.000	50.000	50.000	50.000	0.0	-0.100	0.0
GR	742.100	1000.000	736.500	1100.000	730.500	1200.000	727.600	1289.000	723.700	1295.000
GR	723.600	1299.000	720.700	1300.000	720.700	1305.000	720.700	1309.000	722.500	1311.000
GR	725.500	1316.000	727.300	1400.000	730.200	1482.000	737.100	1500.000	740.800	1600.000

X1	4598.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.100	0.0
BT	5.000	267.000	528.000	670.000	1027.000	670.000	670.000	0.0	0.0	0.0

X1	7270.000	21.000	2156.000	2171.000	2547.000	2547.000	2547.000	0.0	0.0	0.0
GR	763.500	1000.000	761.500	1100.000	759.100	1200.000	758.400	1300.000	759.300	1400.000
GR	760.800	1500.000	756.700	1600.000	753.800	1700.000	751.600	1800.000	750.600	1900.000
GR	748.400	2000.000	748.600	2100.000	746.700	2156.000	741.100	2164.000	741.500	2165.000
GR	742.300	2166.000	742.700	2171.000	742.800	2191.000	750.400	2203.000	752.300	2222.000
GR	756.600	2234.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	7320.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
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X1	7370.000	21.000	1466.000	1477.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	760.400	830.000	757.100	907.000	754.200	1007.000	752.000	1107.000	751.000	1207.000
GR	748.800	1307.000	749.000	1407.000	747.500	1463.000	745.000	1466.000	741.900	1466.000
GR	741.900	1477.000	743.100	1477.000	743.200	1498.000	750.800	1510.000	752.700	1529.000
GR	754.300	1534.000	753.900	1600.000	753.200	1700.000	752.500	1800.000	752.000	1900.000
GR	751.600	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SP	0.000	1.500	2.500	0.0	11.000	0.010	77.000	0.0	0.0	0.0

 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	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	1300.000	1300.00	0.0	0.0	1750.00	708.10	715.22	0.0	7.11	1292.48	1670.67	564.48	0.0
	1300.000	1300.00	0.0	0.0	1750.00	708.10	716.22	0.0	7.96	1526.01	1635.41	379.04	1.00
	1300.000	1300.00	0.0	0.0	1750.00	708.10	716.22	0.0	6.96	1508.09	1637.75	445.57	0.0
B	3600.000	2300.00	0.0	0.0	1420.00	716.30	722.60	0.0	5.73	1245.37	1422.75	391.79	0.0
	3600.000	2300.00	0.0	0.0	1420.00	716.30	723.64	0.0	6.28	1375.43	1425.16	254.04	1.04
	3600.000	2300.00	0.0	0.0	1420.00	716.30	723.06	0.0	6.47	1364.08	1423.83	262.74	-0.57
*C	4400.000	925.00	0.0	0.0	1070.00	720.10	726.81	726.81	9.46	1289.30	1402.99	204.45	0.0
	4400.000	925.00	0.0	0.0	1070.00	720.10	726.35	726.35	13.37	1296.68	1316.42	94.89	-0.45
	4400.000	925.00	0.0	0.0	1070.00	720.10	726.40	726.40	12.65	1295.66	1323.10	108.66	0.05
	4425.000	25.00	0.0	0.0	1070.00	720.20	727.22	726.91	8.33	1285.53	1411.68	240.99	0.0
	4425.000	25.00	0.0	0.0	1070.00	720.20	728.01	0.0	9.55	1295.71	1322.81	149.11	0.78
	4425.000	25.00	0.0	0.0	1070.00	720.20	727.95	0.0	8.62	1294.88	1330.27	171.75	-0.06
	4475.000	50.00	0.0	0.0	1070.00	720.40	727.71	0.0	5.99	1371.47	1515.01	281.32	0.0
	4475.000	50.00	0.0	0.0	1070.00	720.40	728.86	0.0	6.27	1389.25	1427.43	207.77	1.15
	4475.000	50.00	0.0	0.0	1070.00	720.40	728.52	0.0	6.16	1388.77	1435.28	219.69	-0.34
	4523.000	48.00	729.90	728.90	1070.00	720.40	727.71	0.0	5.98	1371.43	1515.06	281.53	0.0
	4523.000	48.00	729.90	728.90	1070.00	720.40	728.71	0.0	3.86	1340.75	1543.33	454.60	1.00
	4523.000	48.00	729.90	728.90	1070.00	720.40	728.41	0.0	4.38	1349.95	1534.85	396.51	-0.30
	4573.000	50.00	0.0	0.0	1070.00	720.60	727.44	0.0	8.92	1289.08	1406.98	220.80	0.0
	4573.000	50.00	0.0	0.0	1070.00	720.60	728.42	0.0	9.93	1296.19	1319.50	157.38	0.97
	4573.000	50.00	0.0	0.0	1070.00	720.60	728.15	0.0	9.58	1295.28	1326.61	154.00	-0.26
D	4598.000	25.00	0.0	0.0	1070.00	720.70	727.65	0.0	8.57	1287.63	1409.75	232.50	0.0
	4598.000	25.00	0.0	0.0	1070.00	720.70	728.71	0.0	9.41	1295.30	1321.22	150.00	0.0

4573.000	50.00	0.0	0.0	1070.00	720.60	727.44	0.0	8.92	1289.08	1406.98	220.80	0.0
4573.000	50.00	0.0	0.0	1070.00	720.60	728.42	0.0	9.93	1296.19	1319.50	137.38	0.97
4573.000	50.00	0.0	0.0	1070.00	720.60	728.15	0.0	9.58	1295.28	1326.61	154.00	-0.26
D 4598.000	25.00	0.0	0.0	1070.00	720.70	727.65	0.0	8.57	1287.63	1409.75	232.50	0.0
4598.000	25.00	0.0	0.0	1070.00	720.70	728.71	0.0	9.41	1295.90	1321.46	149.42	1.06
4598.000	25.00	0.0	0.0	1070.00	720.70	728.42	0.0	9.09	1295.04	1328.78	165.98	-0.29
LIMIT OF DETAILED STUDY												
E* 7270.000	2547.00	0.0	0.0	670.00	741.10	745.15	745.15	10.19	2158.22	2194.70	84.28	0.0
* 7270.000	2547.00	0.0	0.0	670.00	741.10	746.37	746.37	11.36	2156.48	2176.40	68.38	1.22
* 7270.000	2547.00	0.0	0.0	670.00	741.10	745.92	745.92	11.19	2157.12	2180.33	72.15	-0.45
7320.000	50.00	0.0	0.0	670.00	741.50	746.33	0.0	7.37	2157.10	2195.95	113.90	0.0
7320.000	50.00	0.0	0.0	670.00	741.50	747.94	0.0	7.45	2155.17	2179.90	109.71	1.61
7320.000	50.00	0.0	0.0	670.00	741.50	747.43	0.0	7.26	2156.00	2183.67	112.93	-0.51

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
7370.000	50.00	0.0	0.0	670.00	741.90	746.81	0.0	6.18	1463.82	1503.71	143.34	0.0
7370.000	50.00	0.0	0.0	670.00	741.90	748.38	0.0	6.33	1464.90	1488.94	137.21	1.56
7370.000	50.00	0.0	0.0	670.00	741.90	747.84	0.0	6.31	1464.90	1492.10	139.01	-0.54
* 7630.000	260.00	751.60	748.90	670.00	741.90	746.96	0.0	5.94	1463.65	1503.93	149.09	0.0
7630.000	260.00	751.60	748.90	670.00	741.90	747.96	0.0	4.66	1445.89	1505.51	194.55	1.00
7630.000	260.00	751.60	748.90	670.00	741.90	747.66	0.0	4.99	1457.08	1505.04	178.42	-0.30
7680.000	50.00	0.0	0.0	670.00	741.50	747.16	0.0	5.61	2154.08	2197.26	147.36	0.0
7680.000	50.00	0.0	0.0	670.00	741.50	748.58	0.0	6.06	2151.37	2181.83	141.64	1.42
7680.000	50.00	0.0	0.0	670.00	741.50	748.05	0.0	6.03	2151.12	2185.26	142.16	-0.53
F 7730.000	50.00	0.0	0.0	670.00	741.10	747.42	0.0	4.75	2134.81	2198.29	182.23	0.0
7730.000	50.00	0.0	0.0	670.00	741.10	748.85	0.0	5.02	2147.50	2183.39	178.90	1.44
7730.000	50.00	0.0	0.0	670.00	741.10	748.32	0.0	5.02	2146.21	2186.55	179.07	-0.53
* G 9600.000	1870.00	0.0	0.0	579.00	755.50	761.46	761.46	8.04	1242.30	1333.89	128.89	0.0
* 9600.000	1870.00	0.0	0.0	579.00	755.50	761.30	761.30	11.86	1282.04	1295.37	52.29	-0.15
* 9600.000	1870.00	0.0	0.0	579.00	755.50	761.24	761.24	11.19	1279.33	1298.30	61.14	-0.06

SUMMARY OF ERRORS

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
A-1300.000	109.	379.	4.6	716.2	715.2	1.0
B-3800.000	50.	254.	5.6	723.6	722.6	1.0
C-4400.000	20.	95.	11.3	726.4	726.8	-0.4
4425.000	27.	149.	7.2	728.0	727.2	0.8
4475.000	38.	208.	5.1	728.9	727.7	1.2
4523.000	203.	455.	2.4	728.7	727.7	1.0
4573.000	23.	137.	7.8	728.4	727.4	1.0
4598.000	26.	149.	7.2	728.7	727.6	1.1
7270.000	20.	68.	9.8	746.3	745.1	1.2
7320.000	25.	110.	6.1	747.9	746.3	1.6
7370.000	24.	137.	4.9	748.4	746.8	1.6
7630.000	60.	195.	3.4	748.0	747.0	1.0
7680.000	30.	142.	4.7	748.6	747.2	1.4
7730.000	36.	179.	3.7	748.8	747.4	1.4
9600.000	13.	52.	11.1	761.4	761.5	-0.1

*Legend Data
 taken from
 profile 3*

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE NO. 3

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
A 1300.000	130.	446.	3.9	716.2	715.2	1.0
B 3600.000	60.	263.	5.4	723.1	722.6	0.5
C 4400.000	27.	109.	9.0	726.5	726.0	-0.3
4425.000	35.	172.	6.2	727.9	727.2	0.7
4475.000	47.	220.	4.9	728.5	727.7	0.8
4523.000	185.	397.	2.7	728.4	727.7	0.7
4573.000	31.	154.	6.9	728.1	727.4	0.7
4598.000	34.	166.	6.4	728.4	727.6	0.8
7270.000	23.	72.	9.3	745.9	745.1	0.8
7320.000	28.	113.	5.9	747.4	746.3	1.1
7370.000	27.	139.	9.0	747.8	746.8	1.0
7630.000	48.	178.	3.8	747.7	747.0	0.7
7680.000	34.	142.	4.7	748.1	747.2	0.9
7730.000	40.	179.	3.7	748.3	747.4	0.9
9600.000	19.	61.	9.5	761.4	761.5	-0.1

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

T1 ROWAN CO. BASIN E STREAM 1 GRANTS CREEK PROFILE ONE 500 YEAR ONLY
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.003000	0.0	-1.0	0.	626.200	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	0.0	-1.000	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	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
DT	1.000	30600.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0
X1	40.000	15.000	500.000	556.000	4000.000	4000.000	4000.000	4000.000	0.0	0.0
GR	640.000	0.0	630.000	140.000	620.000	420.000	624.500	500.000	618.000	506.000
GR	618.000	550.000	624.700	556.000	620.000	566.000	620.000	646.000	630.000	706.000
GR	630.000	766.000	615.000	1115.000	620.000	2065.000	630.000	2175.000	640.000	2245.000
X1	50.000	12.000	350.000	406.000	1000.000	1000.000	1000.000	1000.000	0.0	0.0
GR	640.000	0.0	630.000	120.000	620.000	340.000	624.500	350.000	619.000	356.000
GR	619.000	400.000	625.700	406.000	620.000	506.000	619.000	1256.000	620.000	2000.000

GR	640.000	0.0	630.000	140.000	620.000	420.000	624.500	500.000	618.000	506.000
GR	618.000	550.000	624.700	556.000	620.000	566.000	620.000	646.000	630.000	706.000
GR	630.000	766.000	615.000	1115.000	620.000	2065.000	630.000	2175.000	640.000	2245.000
X1	50.000	12.000	350.000	406.000	1000.000	1000.000	1000.000	0.0	0.0	0.0
GR	640.000	0.0	630.000	120.000	620.000	340.000	624.500	350.000	619.000	356.000
GR	619.000	400.000	625.700	406.000	620.000	506.000	619.000	1256.000	620.000	2000.000
GR	630.000	2300.000	640.000	2600.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	5800.000	25.000	350.000	406.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	646.700	0.0	646.300	42.000	634.500	115.000	634.700	180.000	630.400	195.000
GR	620.400	219.000	627.000	252.000	625.900	265.000	626.600	350.000	620.500	356.000
GR	620.500	400.000	627.200	406.000	626.200	442.000	627.500	509.000	626.300	570.000
GR	627.500	580.000	627.200	640.000	626.200	650.000	625.200	835.000	623.700	1100.000
GR	624.200	1130.000	624.200	1250.000	626.300	1400.000	627.700	1500.000	634.700	1585.000
NC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	72.550	0.0	0.0	0.0	1455.000	1455.000	1455.000	0.0	1.250	0.0
X1	8760.000	24.000	594.000	653.000	1455.000	1455.000	1455.000	0.0	0.0	0.0
GR	640.900	50.000	639.600	105.000	635.200	120.000	634.400	150.000	631.900	235.000
GR	630.100	240.000	630.100	330.000	629.500	400.000	631.600	508.000	630.500	555.000
GR	631.500	594.000	623.500	600.000	623.000	637.000	631.200	653.000	632.500	669.000
GR	631.200	695.000	631.600	845.000	630.300	1105.000	629.400	1323.000	628.300	1352.000
GR	630.400	1375.000	629.100	1555.000	635.800	1675.000	647.800	1736.000	0.0	0.0
X1	8845.000	13.000	543.000	673.000	85.000	85.000	85.000	0.0	0.0	0.0
GR	644.800	0.0	633.300	224.000	631.500	245.000	631.700	422.000	633.000	543.000
GR	630.200	543.000	623.900	570.000	623.900	645.000	630.200	673.000	633.000	673.000
GR	632.200	871.000	639.700	1063.000	647.700	1220.000	0.0	0.0	0.0	0.0
SR	1.250	1.500	2.500	0.0	130.000	6.200	607.000	0.0	0.0	0.0
X1	8876.000	0.0	0.0	0.0	31.000	31.000	31.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	630.200	0.0	0.0	0.0	0.0	0.0	0.0
BT	9.000	0.0	644.800	0.0	224.000	633.500	0.0	245.000	631.500	0.0
BT	422.000	631.700	0.0	543.000	633.000	630.200	673.000	633.000	630.200	871.000
BT	632.200	0.0	1063.000	639.700	0.0	1220.000	647.700	0.0	0.0	0.0
NC	0.080	0.080	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8960.000	18.000	703.000	750.000	84.000	84.000	84.000	0.0	0.0	0.0
GR	644.200	0.0	633.600	155.000	627.300	327.000	626.700	460.000	627.800	495.000
GR	627.100	555.000	627.900	595.000	627.600	612.000	630.100	652.000	629.900	692.000
GR	628.100	703.000	624.200	706.000	624.500	745.000	629.800	750.000	630.800	770.000

BT	632.200	0.0	1063.000	639.700	0.0	1220.000	647.700	0.0	0.0	0.0
NC	0.080	0.080	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8960.000	19.000	703.000	750.000	84.000	84.000	84.000	0.0	0.0	0.0
GR	644.200	0.0	633.600	155.000	627.300	327.000	626.700	460.000	627.800	495.000
GR	627.100	555.000	627.900	595.000	627.600	612.000	630.100	652.000	629.900	692.000
GR	628.100	703.000	624.200	706.000	624.500	745.000	629.800	750.000	630.800	770.000
GR	630.100	780.000	630.800	809.000	631.800	815.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	10400.000	23.000	1080.000	1135.000	1440.000	1440.000	1440.000	0.0	0.0	0.0
GR	643.700	0.0	641.200	117.000	642.000	139.000	630.200	400.000	629.300	480.000
GR	629.300	532.000	628.600	573.000	631.300	710.000	631.500	840.000	630.300	937.000
GR	628.600	955.000	627.900	785.000	630.400	1062.000	629.900	1080.000	622.000	1086.000
GR	624.400	1130.000	630.300	1135.000	628.500	1160.000	629.300	1260.000	631.000	1310.000
GR	630.700	1368.000	634.800	1441.000	639.800	1500.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	11950.000	16.000	1059.000	1105.000	1550.000	1550.000	1550.000	0.0	0.0	0.0
GR	651.300	0.0	645.200	150.000	641.100	235.000	633.700	369.000	634.500	379.000
GR	633.000	950.000	634.900	1048.000	634.000	1059.000	625.200	1060.000	626.500	1090.000
GR	634.600	1105.000	637.000	1175.000	638.900	1190.000	642.100	1240.000	643.300	1345.000
GR	648.100	1473.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.080	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	13400.000	12.000	720.000	775.000	1450.000	1450.000	1450.000	0.0	-2.194	0.0
GR	649.000	0.0	633.000	600.000	634.000	720.000	632.300	725.000	632.100	730.000
GR	624.800	752.000	625.700	770.000	634.000	775.000	638.800	802.000	636.000	815.000
GR	635.600	900.000	649.000	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	13450.000	0.0	0.0	0.0	50.000	50.000	50.000	1.000	0.500	0.0
X1	13500.000	0.0	0.0	0.0	50.000	50.000	50.000	1.000	0.500	0.0
X1	13530.000	0.0	0.0	0.0	30.000	30.000	30.000	1.000	0.400	0.0
X1	13555.000	0.0	0.0	0.0	25.000	25.000	25.000	1.000	0.300	0.0
X1	13580.000	12.000	720.000	800.000	25.000	25.000	25.000	0.0	-2.194	0.0
GR	650.000	0.0	644.500	350.000	636.000	720.000	634.200	720.000	633.500	740.000
GR	627.000	760.000	627.000	790.000	628.500	800.000	636.000	800.000	638.000	900.000

 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

500 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECCO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
40.000	4000.00	0.0	0.0	30600.00	615.00	624.84	0.0	4.64	284.44	2118.26	9591.74	0.0
50.000	1000.00	0.0	0.0	30600.00	619.00	626.94	0.0	3.64	187.30	2208.23	13233.79	0.0
A 5800.000	800.00	0.0	0.0	30600.00	620.50	629.13	0.0	14.31	210.26	1517.34	4713.12	0.0
72.550	1455.00	0.0	0.0	30600.00	621.75	635.26	0.0	5.21	182.42	1576.56	11318.94	0.0
B 8760.000	1455.00	0.0	0.0	30600.00	623.00	637.58	0.0	5.99	111.86	1684.08	10863.96	0.0
8845.000	35.00	0.0	0.0	30600.00	623.90	636.85	0.0	12.61	154.76	990.16	4322.18	0.0
* 8876.000	31.00	631.50	630.20	30600.00	623.90	636.85	0.0	12.60	154.74	990.19	4323.23	0.0
C 8960.000	84.00	0.0	0.0	30600.00	624.20	638.61	0.0	7.27	81.67	815.00	6850.80	0.0
10400.000	1440.00	0.0	0.0	30600.00	622.00	640.78	0.0	4.75	165.92	1500.00	12835.96	0.0
11950.000	1550.00	0.0	0.0	30600.00	625.20	642.73	0.0	7.29	201.18	1295.26	8296.46	0.0
13400.000	1450.00	0.0	0.0	30600.00	622.61	645.04	0.0	5.67	66.13	1507.89	11419.88	0.0
13450.000	50.00	0.0	0.0	30600.00	623.11	645.08	0.0	6.02	83.47	1483.73	10762.73	0.0
13500.000	50.00	0.0	0.0	30600.00	623.61	645.12	0.0	6.38	100.37	1460.18	10140.65	0.0

8960.000	84.00	0.0	0.0	30600.00	624.20	638.61	0.0	7.27	91.67	815.00	8000.00	0.0
10400.000	1440.00	0.0	0.0	30600.00	622.00	640.78	0.0	4.75	165.92	1500.00	12835.96	0.0
11950.000	1550.00	0.0	0.0	30600.00	625.20	642.73	0.0	7.29	201.18	1295.26	8296.46	0.0
13400.000	1450.00	0.0	0.0	30600.00	622.61	645.04	0.0	5.67	66.13	1507.89	11419.88	0.0
13450.000	50.00	0.0	0.0	30600.00	623.11	645.08	0.0	6.02	83.47	1483.73	10762.73	0.0
13500.000	50.00	0.0	0.0	30600.00	623.61	645.12	0.0	6.38	100.37	1460.18	10140.65	0.0
13530.000	30.00	0.0	0.0	30600.00	624.01	645.15	0.0	6.71	114.38	1440.67	9639.10	0.0
13555.000	25.00	0.0	0.0	30600.00	624.31	645.17	0.0	6.97	124.71	1426.28	9277.13	0.0
13580.000	25.00	0.0	0.0	30600.00	624.81	644.95	0.0	9.20	181.92	1218.08	6293.37	0.0
* 13620.000	40.00	640.60	639.10	30600.00	625.21	645.57	0.0	8.89	167.14	1232.86	6537.43	0.0
13644.000	24.00	0.0	0.0	30600.00	624.81	645.85	0.0	7.66	16.39	591.39	6670.46	0.0
13669.000	25.00	0.0	0.0	30600.00	624.91	645.89	0.0	7.69	17.00	591.07	6641.23	0.0
13700.000	31.00	0.0	0.0	30600.00	625.11	645.94	0.0	7.79	18.83	590.11	6554.13	0.0

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
14194.000	494.00	0.0	0.0	30600.00	625.21	646.83	0.0	7.28	9.24	595.14	7014.62	0.0
14700.000	506.00	0.0	0.0	30600.00	625.61	647.39	0.0	2.10	0.0	1980.00	24010.33	0.0
15400.000	700.00	0.0	0.0	30600.00	626.21	647.52	0.0	3.14	8.65	1622.53	16047.31	0.0

SUMMARY OF ERRORS

CAUTION SECNO= 8876.000 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO=13620.000 PROFILE= 1 HYDRAULIC JUMP D.S.

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

C
 T1 ROWAN COUNTY BASIN D STRM 1 DRAFT BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-1.	2.	0.	0.	0.004300	0.0	0.0	0.	653.000	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FM	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	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	201.000	0.0	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
OT	5.000	1600.000	2710.000	3190.000	4940.000	3190.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	800.000	12.000	1778.000	1800.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	577.100	1000.000	249.000	1300.000	667.000	1000.000				

X1	7650.000	17.000	379.000	405.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	688.000	0.0	684.700	9.000	677.300	49.000	676.400	59.000	674.900	89.000
GR	674.400	159.000	674.300	329.000	675.600	379.000	669.000	385.000	669.100	389.000
GR	669.400	399.000	674.400	405.000	678.600	505.000	680.300	545.000	683.000	560.000
GR	680.200	565.000	684.200	605.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	7720.000	7.000	251.200	278.800	70.000	70.000	70.000	0.0	0.0	0.0
GR	689.800	0.0	685.600	167.000	672.100	251.200	671.100	251.200	671.100	278.800
GR	672.100	278.800	684.200	362.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	27.600	2.000	271.000	0.0	0.0	0.0

RDN0 ROWAN MILL ROAD MXLCEL 681.7

RDELV 684.8

X1	7780.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	681.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	6.000	0.0	689.800	0.0	167.000	685.600	0.0	251.200	685.000	681.700
BT	278.800	684.800	681.700	362.000	684.200	0.0	429.000	688.400	0.0	0.0

X1	7850.000	22.000	312.000	327.000	70.000	70.000	70.000	0.0	0.0	0.0
GR	688.300	0.0	683.200	23.000	682.100	35.000	681.500	50.000	678.200	68.000
GR	676.100	92.000	674.600	177.000	674.800	242.000	675.200	302.000	675.300	312.000
GR	669.500	315.000	668.300	318.000	669.500	321.000	674.700	327.000	674.600	402.000
GR	674.000	437.000	675.100	502.000	674.600	509.000	676.000	512.000	677.200	543.000
GR	679.600	555.000	684.400	570.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	9600.000	25.000	790.000	808.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	702.800	0.0	698.000	50.000	697.900	75.000	694.700	155.000	691.100	205.000
GR	681.700	475.000	680.700	490.000	679.900	545.000	680.100	575.000	679.700	605.000
GR	680.300	653.000	679.700	659.000	679.500	720.000	680.200	725.000	679.300	750.000
GR	680.700	790.000	675.700	795.000	676.200	801.000	675.800	805.000	680.700	808.000
GR	680.000	840.000	680.200	902.000	679.200	930.000	680.700	950.000	680.100	995.000
BT	5.000	975.000	1720.000	2040.000	3040.000	2040.000	0.0	0.0	0.0	0.0

X1	98.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0
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X1	100.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0
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X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	685.500	180.000	685.900	274.000	684.200	360.000
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	682.700	424.000
GR	683.100	428.000	685.200	430.000	685.400	454.000	684.700	485.000	685.400	494.000
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000

X1	100.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0
X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	685.500	100.000	665.900	274.000	604.200	360.000
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	632.700	424.000
GR	683.100	428.000	685.200	430.000	685.400	454.000	684.700	485.000	605.400	494.000
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000
GR	694.000	921.000	700.700	984.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	12800.000	16.000	330.000	345.000	2600.000	2600.000	2600.000	0.0	0.0	0.0
GR	699.000	0.0	689.000	160.000	687.600	165.000	687.200	270.000	687.600	330.000
GR	685.100	335.000	684.900	340.000	684.900	342.000	687.200	345.000	686.700	405.000
GR	687.500	545.000	688.900	575.000	689.500	605.000	694.100	725.000	694.300	755.000
GR	697.700	935.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	895.000	1590.000	1380.000	2800.000	1800.000	0.0	0.0	0.0	0.0
X1	14300.000	18.000	210.000	225.000	1500.000	1500.000	1500.000	0.0	0.0	0.0
GR	710.900	0.0	700.100	65.000	691.600	100.000	689.900	130.000	691.000	210.000
GR	688.400	215.000	687.900	219.000	687.800	223.000	691.000	225.000	689.700	255.000
GR	689.500	275.000	689.900	295.000	689.800	375.000	691.000	395.000	691.900	440.000
GR	692.600	445.000	695.100	520.000	702.600	570.000	0.0	0.0	0.0	0.0
X1	15500.000	8.000	1590.000	1602.000	1200.000	1200.000	1200.000	0.0	0.0	0.0
GR	711.700	1000.000	705.300	1200.000	696.000	1590.000	692.200	1593.000	692.200	1600.000
GR	696.500	1602.000	695.700	1780.000	711.700	1805.000	0.0	0.0	0.0	0.0
X1	15950.000	20.000	543.000	556.000	450.000	450.000	450.000	0.0	0.0	0.0
GR	711.800	0.0	701.500	248.000	699.100	344.000	697.800	376.000	697.400	402.000
GR	696.900	430.000	697.600	468.000	696.800	484.000	696.800	508.000	698.200	526.000
GR	698.900	543.000	694.900	546.000	693.900	550.000	694.100	554.000	698.900	556.000
GR	697.200	593.000	697.500	633.000	701.100	641.000	707.100	651.000	709.700	661.000
QT	5.000	525.000	970.000	1190.000	1720.000	1190.000	0.0	0.0	0.0	0.0
X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.000
GR	703.400	288.000	700.400	295.000	700.300	385.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	17800.000	13.000	288.000	394.000	30.000	30.000	30.000	0.0	0.0	0.0

X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.900
GR	703.400	288.000	700.600	295.000	710.300	305.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17800.000	13.000	388.000	394.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	719.800	0.0	716.000	70.000	710.200	205.000	706.800	370.000	702.300	388.000
GR	700.200	388.900	699.300	391.000	700.200	393.100	702.300	394.000	706.900	412.000
GR	707.000	430.000	709.400	580.000	710.800	610.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.010	28.300	0.0	0.0	0.0

R0No NEAL RD

MXLCEL 705.3

RDELV 706.8

X1	17842.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	705.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	13.000	0.0	719.800	0.0	70.000	716.000	0.0	205.000	710.200	0.0
BT	370.000	706.400	0.0	388.000	706.800	702.300	388.900	706.800	704.400	391.000
BT	706.800	705.300	393.100	706.800	704.400	394.000	706.800	702.300	412.000	706.900
BT	0.0	430.000	707.000	0.0	580.000	709.400	0.0	610.000	710.800	0.0

X1	17922.000	20.000	354.000	362.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	718.400	0.0	715.900	50.000	714.400	63.000	715.200	90.000	704.400	230.000
GR	705.800	234.000	706.300	241.000	706.000	254.000	703.300	260.000	702.600	293.000
GR	703.100	338.000	703.700	354.000	701.200	356.000	701.300	361.000	703.900	362.000
GR	702.700	433.000	703.900	508.000	706.900	543.000	714.700	596.000	717.900	603.000
QT	5.000	427.000	798.000	987.000	1450.000	987.000	0.0	0.0	0.0	0.0

X1	20250.000	11.000	1256.000	1268.000	2328.000	2328.000	2328.000	0.0	0.0	0.0
GR	727.600	1000.000	712.300	1100.000	711.200	1200.000	712.200	1256.000	709.000	1257.000
GR	708.800	1260.000	709.200	1265.000	712.400	1268.000	713.000	1300.000	716.000	1335.000
GR	727.600	1366.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	357.000	673.000	838.000	1240.000	838.000	0.0	0.0	0.0	0.0

X1	22100.000	10.000	1197.000	1215.000	1850.000	1850.000	1850.000	0.0	-0.300	0.0
GR	749.400	1000.000	738.300	1100.000	734.800	1197.000	731.000	1205.000	730.600	1207.000
GR	730.600	1209.000	735.500	1215.000	736.700	1262.000	741.000	1300.000	749.400	1358.000

X1	22450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
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X1	22450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
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SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 800.000	800.00	0.0	0.0	1600.00	652.20	661.27	0.0	4.53	1694.30	2428.28	894.28	0.0
800.000	800.00	0.0	0.0	2710.00	652.20	661.88	0.0	4.81	1684.89	2440.04	1349.74	0.61
800.000	800.00	0.0	0.0	3190.00	652.20	662.10	0.0	4.91	1681.50	2444.28	1516.86	0.22
800.000	800.00	0.0	0.0	4940.00	652.20	662.78	0.0	5.25	1671.10	2457.28	2040.59	0.68
B 2400.000	1600.00	0.0	0.0	1295.00	659.00	665.23	0.0	2.35	83.49	625.46	1110.15	0.0
2400.000	1600.00	0.0	0.0	2200.00	659.00	665.99	0.0	2.69	76.47	628.27	1530.12	0.76
2400.000	1600.00	0.0	0.0	2610.00	659.00	666.28	0.0	2.83	73.85	629.32	1689.52	0.29
2400.000	1600.00	0.0	0.0	4000.00	659.00	667.14	0.0	3.19	57.59	632.48	2175.22	0.86
C 4225.000	1825.00	0.0	0.0	1295.00	662.20	668.51	0.0	3.21	276.10	886.50	952.04	0.0
4225.000	1825.00	0.0	0.0	2200.00	662.20	669.26	0.0	3.34	268.77	887.61	1413.40	0.75
4225.000	1825.00	0.0	0.0	2610.00	662.20	669.56	0.0	3.40	265.87	888.05	1597.14	0.30
4225.000	1825.00	0.0	0.0	4000.00	662.20	670.43	0.0	3.61	257.35	889.73	2143.29	0.87
D 5900.000	1675.00	0.0	0.0	1295.00	663.50	672.30	0.0	3.48	212.50	558.95	752.14	0.0
5900.000	1675.00	0.0	0.0	2200.00	663.50	673.13	0.0	4.09	211.13	559.34	1037.96	0.83
5900.000	1675.00	0.0	0.0	2610.00	663.50	673.44	0.0	4.31	210.60	559.49	1147.88	0.31
5900.000	1675.00	0.0	0.0	4000.00	663.50	674.36	0.0	4.91	209.07	559.93	1469.50	0.92
E 7650.000	1750.00	0.0	0.0	1050.00	669.00	676.12	0.0	3.32	64.57	445.98	658.13	0.0
7650.000	1750.00	0.0	0.0	1830.00	669.00	677.11	0.0	3.47	51.10	469.54	1054.67	0.99
7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.19	0.35
7650.000	1750.00	0.0	0.0	3150.00	669.00	678.43	0.0	3.64	42.87	501.03	1634.89	0.97
7720.000	70.00	0.0	0.0	1050.00	671.10	676.15	0.0	5.76	225.94	306.65	246.94	0.0
7720.000	70.00	0.0	0.0	1830.00	671.10	676.87	0.0	8.30	221.40	311.65	309.12	0.72
7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.22
7720.000	70.00	0.0	0.0	3150.00	671.10	677.64	0.0	11.92	216.60	316.95	382.50	0.55
* 7780.000	60.00	684.20	681.70	1050.00	671.10	676.26	0.0	5.59	225.25	307.40	255.89	0.0
* 7780.000	60.00	684.20	681.70	1830.00	671.10	678.09	0.0	6.29	213.84	319.98	428.12	1.83
* 7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.82
* 7780.000	60.00	684.20	681.70	3150.00	671.10	681.14	0.0	6.20	194.82	340.95	812.74	2.23
F 7850.000	70.00	0.0	0.0	1050.00	668.30	676.83	0.0	2.39	83.70	533.35	908.12	0.0
7850.000	70.00	0.0	0.0	1830.00	668.30	678.64	0.0	1.83	66.58	550.22	1764.43	1.82
7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52	0.78
7850.000	70.00	0.0	0.0	3150.00	668.30	681.58	0.0	1.51	48.08	561.18	3227.55	2.15

7850.000 70.00 0.0 0.0 3150.00 668.30 681.58 0.0 1.51 40.08 561.18 3227.55 2.15

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWEZL	CRWS	VCH	SSTA	EMOST	AREA	DIFWSP
9600.000	1750.00	0.0	0.0	1050.00	675.70	681.09	0.0	4.18	483.97	951.93	573.09	0.0
9600.000	1750.00	0.0	0.0	1830.00	675.70	681.19	0.0	6.71	482.67	952.34	613.69	0.10
9600.000	1750.00	0.0	0.0	2160.00	675.70	681.39	0.0	6.68	479.76	953.27	705.22	0.19
9600.000	1750.00	0.0	0.0	3150.00	675.70	682.64	0.0	4.49	448.24	959.25	1317.93	1.25
* 98.000	200.00	0.0	0.0	975.00	678.00	682.93	682.93	6.60	494.60	949.11	356.02	0.0
98.000	200.00	0.0	0.0	1720.00	678.00	683.64	0.0	5.49	480.32	953.09	687.40	0.71
98.000	200.00	0.0	0.0	2040.00	678.00	683.80	0.0	5.76	478.04	953.82	759.35	0.15
98.000	200.00	0.0	0.0	3040.00	678.00	684.00	683.61	7.38	474.92	954.80	857.65	0.21
100.000	200.00	0.0	0.0	975.00	680.30	685.49	0.0	4.87	487.23	950.88	471.66	0.0
100.000	200.00	0.0	0.0	1720.00	680.30	685.79	0.0	6.27	482.58	952.37	616.44	0.31
100.000	200.00	0.0	0.0	2040.00	680.30	685.97	0.0	6.31	479.76	953.27	705.08	0.18
100.000	200.00	0.0	0.0	3040.00	680.30	686.56	0.0	6.21	467.40	956.05	984.52	0.59
10200.000	200.00	0.0	0.0	975.00	682.70	686.61	0.0	2.58	128.04	717.67	758.30	0.0
G 10200.000	200.00	0.0	0.0	1720.00	682.70	687.17	0.0	2.90	123.12	757.13	1094.58	0.55
10200.000	200.00	0.0	0.0	2040.00	682.70	687.35	0.0	3.05	121.50	770.04	1209.87	0.18
10200.000	200.00	0.0	0.0	3040.00	682.70	687.85	0.0	3.38	116.90	795.19	1551.71	0.51
12800.000	2600.00	0.0	0.0	975.00	684.90	689.86	0.0	1.56	146.20	614.46	1116.47	0.0
12800.000	2600.00	0.0	0.0	1720.00	684.90	690.76	0.0	1.90	131.78	637.97	1555.54	0.90
N 12800.000	2600.00	0.0	0.0	2040.00	684.90	691.09	0.0	2.01	126.60	646.42	1721.72	0.32
12800.000	2600.00	0.0	0.0	3040.00	684.90	691.93	0.0	2.33	113.12	668.39	2174.39	0.84
14300.000	1500.00	0.0	0.0	895.00	687.80	691.82	0.0	3.19	99.10	435.89	505.73	0.0
I 14300.000	1500.00	0.0	0.0	1590.00	687.80	692.74	0.0	3.24	95.30	449.24	824.95	0.92
14300.000	1500.00	0.0	0.0	1880.00	687.80	693.07	0.0	3.30	93.96	459.03	942.16	0.33
14300.000	1500.00	0.0	0.0	2800.00	687.80	693.96	0.0	3.50	90.29	485.77	1281.21	0.89
15500.000	1200.00	0.0	0.0	895.00	692.20	697.80	697.12	4.21	1514.14	1783.30	433.62	0.0
J 15500.000	1200.00	0.0	0.0	1590.00	692.20	698.37	697.47	5.23	1490.51	1784.18	592.14	0.57
15500.000	1200.00	0.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16	0.21
15500.000	1200.00	0.0	0.0	2800.00	692.20	699.18	698.07	6.18	1457.09	1785.42	839.97	0.60
15950.000	450.00	0.0	0.0	895.00	693.90	699.49	0.0	2.62	328.02	637.44	591.42	0.0
15950.000	450.00	0.0	0.0	1590.00	693.90	700.33	0.0	3.01	294.53	639.30	865.26	0.84
K 15950.000	450.00	0.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64	0.29
15950.000	450.00	0.0	0.0	2800.00	693.90	701.38	0.0	3.53	252.33	681.86	1342.73	0.77

	15500.000	1200.00	n.0	0.0	895.00	692.20	697.80	697.12	4.21	1514.14	1783.30	433.62	0.0
J	15500.000	1200.00	n.0	0.0	1590.00	692.20	698.37	697.47	5.23	1490.51	1784.18	592.14	0.57
	15500.000	1200.00	n.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16	0.21
	15500.000	1200.00	n.0	0.0	2800.00	692.20	699.18	698.07	6.18	1457.09	1785.42	839.97	0.60
	15950.000	450.00	n.0	0.0	895.00	693.90	699.49	0.0	2.62	328.02	637.44	591.42	0.0
	15950.000	450.00	n.0	0.0	1590.00	693.90	700.33	0.0	3.01	294.53	639.30	865.26	0.84
K	15950.000	450.00	n.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64	0.29
	15950.000	450.00	n.0	0.0	2800.00	693.90	701.38	0.0	3.53	252.93	641.46	1246.73	0.77
	17720.000	1770.00	n.0	0.0	525.00	700.30	704.13	0.0	2.58	131.64	356.75	357.58	0.0
	17720.000	1770.00	n.0	0.0	970.00	700.30	704.95	0.0	2.92	121.92	387.27	564.98	0.82
L	17720.000	1770.00	n.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65	0.33
	17720.000	1770.00	n.0	0.0	1720.00	700.30	706.03	0.0	3.28	110.31	412.12	872.40	0.76
*	17800.000	80.00	n.0	0.0	525.00	699.30	705.57	705.57	10.55	374.92	406.79	74.52	0.0
*	17800.000	80.00	n.0	0.0	970.00	699.30	707.39	707.39	10.17	341.20	454.57	165.98	1.82
*	17800.000	80.00	n.0	0.0	1190.00	699.30	707.83	707.83	10.18	320.05	481.81	225.93	0.44
*	17800.000	80.00	n.0	0.0	1720.00	699.30	708.32	708.32	11.47	296.14	512.61	319.10	0.49
LIMIT OF DETAILED STUDY													
*	17842.000	42.00	706.80	705.30	525.00	699.30	707.70	0.0	4.78	326.35	473.70	205.88	0.0
	17842.000	42.00	706.80	705.30	970.00	699.30	708.43	0.0	6.10	290.59	519.77	344.61	0.73
	17842.000	42.00	706.80	705.30	1190.00	699.30	708.67	0.0	6.61	279.00	534.69	402.50	0.24
	17842.000	42.00	706.80	705.30	1720.00	699.30	709.07	0.0	7.80	259.88	559.32	511.88	0.40

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
	17922.000	80.00	n.0	0.0	525.00	701.20	707.91	0.0	0.54	184.55	548.80	1422.05	0.0
	17922.000	80.00	n.0	0.0	970.00	701.20	708.71	0.0	0.81	174.11	553.45	1721.39	0.80
M	17922.000	80.00	n.0	0.0	1190.00	701.20	708.98	0.0	0.93	170.64	554.99	1823.64	0.27
	17922.000	80.00	n.0	0.0	1720.00	701.20	709.47	0.0	1.21	164.33	557.80	2012.92	0.49
	20250.000	2328.00	n.0	0.0	427.00	708.80	712.41	712.41	6.24	1099.29	1268.46	139.78	0.0
N	20250.000	2328.00	n.0	0.0	798.00	708.80	712.70	712.70	8.30	1097.40	1283.88	191.22	0.29
201	20250.000	2328.00	n.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.16
	20250.000	2328.00	n.0	0.0	1450.00	708.80	713.16	713.16	9.76	1094.38	1301.85	283.11	0.30
	22100.000	1850.00	n.0	0.0	357.00	730.30	735.90	0.0	4.72	1158.23	1242.36	103.94	0.0
O	22100.000	1850.00	n.0	0.0	673.00	730.30	737.02	0.0	5.05	1127.06	1267.51	234.97	1.12
	22100.000	1850.00	n.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.36
	22100.000	1850.00	n.0	0.0	1240.00	730.30	738.10	0.0	5.69	1090.10	1277.87	407.81	1.72

N 20250.000	2328.00	0.0	0.0	427.00	708.80	712.41	712.41	6.24	1099.29	1268.46	139.78	0.0
20250.000	2328.00	0.0	0.0	798.00	708.80	712.70	712.70	8.30	1097.40	1283.88	191.22	0.29
* 20250.000	2328.00	0.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.16
* 20250.000	2328.00	0.0	0.0	1450.00	708.80	713.16	713.16	9.76	1094.38	1301.85	283.11	0.30
22100.000	1850.00	0.0	0.0	357.00	730.30	735.90	0.0	4.72	1158.23	1242.36	103.94	0.0
22100.000	1850.00	0.0	0.0	673.00	730.30	737.02	0.0	5.05	1127.06	1267.51	234.97	1.12
22100.000	1850.00	0.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.36
22100.000	1850.00	0.0	0.0	1240.00	730.30	738.10	0.0	5.69	1099.10	1277.02	407.31	0.72
22450.000	50.00	0.0	0.0	357.00	730.40	736.31	0.0	4.06	1149.53	1254.67	133.67	0.0
22450.000	50.00	0.0	0.0	673.00	730.40	737.36	0.0	4.51	1120.55	1269.58	268.97	1.05
22450.000	50.00	0.0	0.0	838.00	730.40	737.71	0.0	4.76	1110.66	1272.74	324.49	0.36
22450.000	50.00	0.0	0.0	1240.00	730.40	738.42	0.0	5.15	1097.06	1279.02	447.93	0.71
22150.000	50.00	0.0	0.0	357.00	730.50	736.66	0.0	5.19	1139.70	1259.71	147.44	0.0
22150.000	50.00	0.0	0.0	673.00	730.50	737.70	0.0	4.87	1110.82	1300.04	302.45	1.04
22150.000	50.00	0.0	0.0	838.00	730.50	738.07	0.0	4.88	1100.65	1310.84	375.77	0.37
22150.000	50.00	0.0	0.0	1240.00	730.50	738.78	0.0	4.82	1092.01	1331.67	535.80	0.71
* 22175.000	25.00	736.20	734.50	357.00	730.50	737.77	0.0	2.48	1108.88	1302.10	315.87	0.0
22175.000	25.00	736.20	734.50	673.00	730.50	738.39	0.0	3.23	1095.32	1320.43	446.97	0.62
22175.000	25.00	736.20	734.50	838.00	730.50	738.65	0.0	3.48	1093.06	1328.09	506.95	0.26
22175.000	25.00	736.20	734.50	1240.00	730.50	739.22	0.0	3.88	1088.16	1344.73	645.98	0.57
22225.000	50.00	0.0	0.0	357.00	730.60	737.82	0.0	2.12	1113.32	1271.89	309.13	0.0
22225.000	50.00	0.0	0.0	673.00	730.60	738.47	0.0	3.00	1098.50	1277.60	419.03	0.65
22225.000	50.00	0.0	0.0	838.00	730.60	738.73	0.0	3.33	1096.09	1279.98	467.75	0.27
22225.000	50.00	0.0	0.0	1240.00	730.60	739.31	0.0	3.94	1090.91	1285.06	576.45	0.58
22625.000	50.00	0.0	0.0	357.00	730.70	737.87	0.0	2.16	1114.64	1271.47	301.59	0.0
22625.000	50.00	0.0	0.0	673.00	730.70	738.55	0.0	3.02	1098.62	1277.49	416.65	0.68
22625.000	50.00	0.0	0.0	838.00	730.70	738.83	0.0	3.33	1096.09	1279.97	467.59	0.28
22625.000	50.00	0.0	0.0	1240.00	730.70	739.43	0.0	3.90	1090.69	1285.27	581.15	0.60
* 25330.000	3105.00	0.0	0.0	190.00	766.60	768.51	768.51	6.90	1175.17	1217.76	40.93	0.0
* 25330.000	3105.00	0.0	0.0	364.00	766.60	769.10	769.10	8.26	1169.69	1224.80	70.11	0.60
* 25330.000	3105.00	0.0	0.0	460.00	766.60	769.37	769.37	8.76	1167.25	1227.94	85.50	0.27
* 25330.000	3105.00	0.0	0.0	700.00	766.60	769.92	769.92	9.64	1162.22	1233.71	121.91	0.55

SUMMARY OF ERRORS

CAUTION SECNO= 7780.000 PROFILE= 2 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 7780.000 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 7780.000 PROFILE= 4 HYDRAULIC JUMP D.S.

Handwritten notes and stamps at the bottom right of the page, including the number '22000' and other illegible markings.

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

C
 T1 ROWAN COUNTY BASIN 0 STRM 1 DRAFT BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	662.100	0.0
J2	MPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	JTRACE
	0.0	0.0	-1.000	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
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1600.000	2710.000	3190.000	4540.000	3190.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	800.000	12.000	1778.000	1800.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	677.100	1000.000	699.000	1300.000	667.400	1600.000	660.900	1700.000	661.300	1778.000
GR	653.000	1786.000	652.200	1789.000	653.100	1797.000	660.300	1800.000		

JT	5.000	1600.000	2710.000	3190.000	4940.000	3190.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	800.000	12.000	1778.000	1800.000	800.000	800.000	800.000	0.0	0.0	0.0
GR	677.100	1000.000	699.000	1300.000	667.400	1600.000	660.900	1700.000	661.300	1778.000
GR	653.000	1786.000	652.200	1789.000	653.100	1797.000	660.300	1800.000	660.100	2100.000
GR	659.800	2400.000	665.000	2500.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1295.000	2200.000	2610.000	4000.000	2610.000	0.0	0.0	0.0	0.0
X1	2400.000	17.000	335.000	355.000	1600.000	1600.000	1600.000	0.0	0.0	0.0
GR	669.200	0.0	666.700	70.000	663.200	102.000	663.600	165.000	663.500	290.000
GR	664.200	335.000	659.400	339.000	659.000	345.000	659.300	351.000	664.200	355.000
GR	662.600	435.000	662.600	510.000	662.500	555.000	662.600	590.000	665.100	625.000
GR	669.200	640.000	673.800	655.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	4225.000	34.000	362.000	385.000	1825.000	1825.000	1825.000	0.0	0.0	0.0
GR	686.300	0.0	679.500	71.000	680.300	82.000	678.700	87.000	672.700	207.000
GR	671.800	237.000	672.000	242.000	667.500	286.000	667.000	317.000	667.300	347.000
GR	667.200	357.000	666.300	362.000	662.300	367.000	662.200	372.000	662.500	376.000
GR	667.500	385.000	667.800	390.000	667.000	417.000	666.800	437.000	667.500	465.000
GR	667.100	522.000	666.700	657.000	667.400	672.000	666.700	692.000	667.700	707.000
GR	666.700	717.000	667.000	847.000	667.300	867.000	667.900	877.000	667.200	882.000
GR	667.500	885.000	670.200	889.000	674.000	901.000	678.000	925.000	0.0	0.0
X1	5900.000	23.000	478.000	503.000	1675.000	1675.000	1675.000	0.0	0.0	0.0
GR	684.700	0.0	677.400	120.000	676.700	151.000	677.400	176.000	675.400	183.000
GR	674.400	209.000	672.000	213.000	670.300	275.000	670.100	426.000	670.000	438.000
GR	670.700	467.000	670.700	476.000	663.800	484.000	663.500	489.000	664.300	496.000
GR	671.000	503.000	670.100	509.000	670.600	517.000	670.600	551.000	670.300	558.000
GR	674.500	560.000	675.300	583.000	679.500	641.000	0.0	0.0	0.0	0.0
QT	5.000	1050.000	1830.000	2160.000	3150.000	2160.000	0.0	0.0	0.0	0.0
X1	7650.000	17.000	379.000	405.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	688.000	0.0	684.700	9.000	677.300	49.000	676.400	59.000	674.900	89.000
GR	674.400	159.000	674.300	329.000	675.600	379.000	669.000	385.000	669.100	389.000
GR	669.400	399.000	674.400	405.000	678.600	505.000	680.300	545.000	683.000	560.000
GR	680.200	565.000	684.200	605.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	7720.000	7.000	251.200	278.800	70.000	70.000	70.000	0.0	0.0	0.0
GR	689.800	0.0	685.600	167.000	672.100	251.200	671.100	251.200	671.100	278.800
GR	672.100	278.800	684.200	362.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	27.600	2.000	271.000	0.0	0.0	0.0

					0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	7720.000	7.000	251.200	278.800	70.000	70.000	70.000	0.0	0.0	0.0	0.0
GR	689.800	0.0	685.600	167.000	672.100	251.200	671.100	251.200	671.100	278.800	0.0
GR	672.100	278.800	684.200	362.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	2.500	0.0	27.600	2.000	271.000	0.0	0.0	0.0	0.0

ROWAN MILL ROAD MXLCEL 681.7 RDELV 684.8

X1	7780.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0	0.0
X2	0.0	0.0	1.000	681.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	6.000	0.0	689.800	0.0	167.000	685.600	0.0	251.200	685.600	681.700	0.0
BT	278.800	684.800	681.700	362.000	684.200	0.0	429.000	688.400	0.0	0.0	0.0

X1	7850.000	22.000	312.000	327.000	70.000	70.000	70.000	0.0	0.0	0.0	0.0
GR	688.300	0.0	683.200	23.000	682.100	35.000	681.500	50.000	678.200	68.000	0.0
GR	676.100	92.000	674.600	177.000	674.800	242.000	675.200	302.000	675.300	312.000	0.0
GR	669.500	315.000	668.300	318.000	669.500	321.000	674.700	327.000	674.600	402.000	0.0
GR	674.000	437.000	675.100	502.000	674.600	509.000	676.000	512.000	677.200	543.000	0.0
GR	679.600	555.000	684.400	570.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9600.000	25.000	790.000	808.000	1750.000	1750.000	1750.000	0.0	0.0	0.0	0.0
GR	702.800	0.0	698.000	50.000	697.900	75.000	694.700	155.000	691.100	205.000	0.0
GR	681.700	475.000	680.700	490.000	679.900	545.000	680.100	575.000	679.700	605.000	0.0
GR	680.300	653.000	679.700	659.000	679.500	720.000	680.200	725.000	679.300	750.000	0.0
GR	680.700	790.000	675.700	795.000	676.200	801.000	675.800	805.000	680.700	808.000	0.0
GR	680.000	840.000	680.200	902.000	679.200	930.000	680.700	950.000	690.100	995.000	0.0
QT	5.000	975.000	1720.000	2040.000	3040.000	2040.000	0.0	0.0	0.0	0.0	0.0

X1	98.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0	0.0
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X1	100.000	0.0	0.0	0.0	200.000	200.000	200.000	0.0	2.300	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0	0.0

X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	685.500	180.000	685.900	274.000	684.200	360.000	0.0
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	682.700	424.000	0.0
GR	683.100	424.000	685.200	430.000	685.400	454.000	684.700	485.000	685.400	494.000	0.0
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000	0.0
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000	0.0
GR	694.000	921.100	700.700	984.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	12800.000	16.000	330.000	345.000	200.000	200.000	200.000	0.0	0.0	0.0	0.0
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X1	10200.000	27.000	420.000	430.000	200.000	200.000	200.000	0.0	0.0	0.0
GR	700.900	0.0	686.400	130.000	665.500	180.000	685.900	274.000	684.200	360.000
GR	685.000	370.000	685.500	410.000	686.200	420.000	682.900	421.000	682.700	424.000
GR	683.100	428.000	685.200	430.000	685.400	454.000	684.700	485.000	685.400	494.000
GR	684.700	511.000	684.800	559.000	685.200	592.000	685.400	661.000	686.100	670.000
GR	685.500	681.000	686.400	702.000	687.500	781.000	688.900	836.000	691.500	860.000
GR	694.000	921.000	700.700	984.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	12800.000	16.000	330.000	345.000	2600.000	2600.000	2600.000	0.0	0.0	0.0
GR	699.000	0.0	689.000	160.000	687.600	165.000	687.200	270.000	687.600	330.000
GR	685.100	335.000	684.900	340.000	684.900	342.000	687.200	345.000	686.700	405.000
GR	687.500	545.000	688.900	575.000	689.500	605.000	694.100	725.000	694.300	755.000
GR	697.700	935.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	895.000	1590.000	1880.000	2800.000	1880.000	0.0	0.0	0.0	0.0

X1	14300.000	18.000	210.000	225.000	1500.000	1500.000	1500.000	0.0	0.0	0.0
GR	710.900	0.0	700.100	65.000	691.600	100.000	689.900	180.000	691.000	210.000
GR	688.400	215.000	687.900	219.000	687.800	223.000	691.000	225.000	689.700	255.000
GR	689.500	275.000	689.900	295.000	689.800	375.000	691.000	395.000	691.900	440.000
GR	692.600	445.000	695.100	920.000	702.600	570.000	0.0	0.0	0.0	0.0

X1	15500.000	8.000	1590.000	1602.000	1200.000	1200.000	1200.000	0.0	0.0	0.0
GR	711.700	1000.000	705.300	1200.000	696.000	1590.000	692.200	1593.000	692.200	1600.000
GR	696.500	1602.000	695.700	1780.000	711.700	1805.000	0.0	0.0	0.0	0.0

X1	15950.000	20.000	543.000	556.000	450.000	450.000	450.000	0.0	0.0	0.0
GR	711.800	0.0	701.500	248.000	699.100	344.000	697.800	376.000	697.400	402.000
GR	696.900	430.000	697.600	468.000	696.800	484.000	696.800	508.000	698.200	526.000
GR	698.900	543.000	694.900	546.000	693.900	550.000	694.100	554.000	698.900	556.000
GR	697.200	593.000	697.500	633.000	701.100	641.000	707.100	651.000	709.700	661.000
QT	5.000	525.000	970.000	1190.000	1720.000	1190.000	0.0	0.0	0.0	0.0

X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.000
GR	703.400	288.000	700.600	295.000	700.300	305.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17800.000	13.000	388.000	394.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	719.800	0.0	716.000	70.000	710.200	205.000	706.800	370.000	702.300	388.000
GR	700.200	388.900	699.300	391.000	700.200	393.100	702.300	394.000	706.900	412.000
GR	707.000	430.000	709.400	580.000	710.800	610.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17720.000	16.000	288.000	308.000	1770.000	1770.000	1770.000	0.0	0.0	0.0
GR	713.900	0.0	707.000	100.000	704.200	130.000	701.600	185.000	701.800	210.000
GR	703.400	288.000	700.600	295.000	700.300	305.000	702.900	308.000	702.800	340.000
GR	704.300	359.000	704.200	370.000	706.600	425.000	709.600	435.000	713.100	495.000
GR	717.300	530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	17800.000	13.000	388.000	394.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	719.800	0.0	716.000	70.000	710.200	205.000	706.800	370.000	702.300	388.000
GR	700.200	388.900	699.300	391.000	700.200	393.100	702.300	394.000	706.900	412.000
GR	707.000	430.000	709.400	580.000	710.800	610.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.010	28.300	0.0	0.0	0.0

RDN0 NEAL RD

MXLCEL 705.3

RDELV 706.8

X1	17842.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	705.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	13.000	0.0	719.800	0.0	70.000	716.000	0.0	205.000	710.200	0.0
BT	370.000	706.800	0.0	388.000	706.800	702.300	388.900	706.800	704.400	391.000
BT	706.800	705.300	393.100	706.800	704.400	394.000	706.800	702.300	412.000	706.900
BT	0.0	430.000	707.000	0.0	580.000	709.400	0.0	610.000	710.800	0.0

X1	17922.000	20.000	354.000	362.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	718.400	0.0	715.900	50.000	714.400	63.000	715.200	90.000	704.400	230.000
GR	705.800	234.000	706.300	241.000	706.000	254.000	703.300	260.000	702.600	293.000
GR	703.100	338.000	703.700	354.000	701.200	356.000	701.300	361.000	703.900	362.000
GR	702.700	433.000	703.900	508.000	706.900	543.000	714.700	588.000	717.900	603.000
QT	5.000	427.000	798.000	987.000	1450.000	987.000	0.0	0.0	0.0	0.0

X1	20250.000	11.000	1256.000	1268.000	2328.000	2328.000	2328.000	0.0	0.0	0.0
GR	727.600	1000.000	712.300	1100.000	711.200	1200.000	712.200	1256.000	709.000	1257.000
GR	708.800	1260.000	709.200	1265.000	712.400	1268.000	713.000	1300.000	716.000	1335.000
GR	727.600	1366.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	357.000	673.000	938.000	1240.000	838.000	0.0	0.0	0.0	0.0

X1	22100.000	10.000	1197.000	1215.000	1850.000	1850.000	1850.000	0.0	-0.300	0.0
GR	749.400	1000.000	738.300	1100.000	734.800	1197.000	731.000	1205.000	730.600	1207.000
GR	730.600	1209.000	735.500	1215.000	736.700	1262.000	741.000	1300.000	745.400	1358.000

X1	22450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
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X1	22150.000	17.000	1202.000	1206.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	749.400	1000.000	738.200	1097.000	734.700	1194.000	732.500	1202.000	731.500	1202.300
GR	730.800	1203.000	730.500	1208.000	730.800	1205.000	731.000	1205.000	731.000	1205.000

 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	CRWS	VCH	SSTA	ENDST.	AREA	DIFWSP
A	800.000	800.00	0.0	0.0	3190.00	652.20	662.10	0.0	4.92	1681.54	2444.23	1515.04	0.0
	800.000	800.00	0.0	0.0	3190.00	652.20	663.10	0.0	5.37	1732.43	2104.42	1152.64	1.00
B	2400.000	1600.00	0.0	0.0	2610.00	659.00	666.28	0.0	2.83	73.82	629.32	1690.19	0.0
	2400.000	1600.00	0.0	0.0	2610.00	659.00	667.30	0.0	3.11	180.94	517.76	1111.27	1.02
C	4225.000	1825.00	0.0	0.0	2610.00	662.20	669.56	0.0	3.40	265.87	888.05	1596.90	0.0
	4225.000	1825.00	0.0	0.0	2610.00	662.20	670.54	0.0	3.78	316.30	658.44	1259.05	0.98
D	5900.000	1675.00	0.0	0.0	2610.00	663.50	673.44	0.0	4.31	210.60	559.49	1147.93	0.0
	5900.000	1675.00	0.0	0.0	2610.00	663.50	674.43	0.0	4.69	340.44	535.67	922.23	0.98
E	7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.18	0.0
	7650.000	1750.00	0.0	0.0	2160.00	669.00	678.47	0.0	3.86	212.41	426.11	940.48	1.01
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.0
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.43	0.0	11.75	248.62	281.60	202.60	0.34
*	7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.0
*	7780.000	60.00	684.20	681.70	2160.00	671.10	679.91	0.0	5.22	202.51	332.47	642.57	1.00
F	7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52	0.0
	7850.000	70.00	0.0	0.0	2160.00	668.30	680.25	0.0	1.90	159.13	467.08	1773.51	0.83

E	7650.000	1750.00	0.0	0.0	2160.00	669.00	677.46	0.0	3.53	48.12	477.93	1204.18-2.3	0.0
	7650.000	1750.00	0.0	0.0	2160.00	669.00	678.47	0.0	3.86	212.41	426.11	940.48-1.2	1.01
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.09	0.0	9.30	220.07	313.12	328.75	0.0
	7720.000	70.00	0.0	0.0	2160.00	671.10	677.43	0.0	11.75	248.62	281.60	202.60	0.34
*	7780.000	60.00	684.20	681.70	2160.00	671.10	678.91	0.0	6.29	208.75	325.60	519.20	0.0
*	7780.000	60.00	684.20	681.70	2160.00	671.10	679.91	0.0	5.22	202.51	332.47	642.57	1.00
F	7850.000	70.00	0.0	0.0	2160.00	668.30	679.42	0.0	1.70	61.33	554.12	2145.52-1.1	0.0
	7850.000	70.00	0.0	0.0	2160.00	668.30	680.25	0.0	1.90	159.13	467.08	1773.51-1.1	0.83
	9600.000	1750.00	0.0	0.0	2160.00	675.70	681.39	0.0	6.68	479.76	953.27	705.22	0.0
	9600.000	1750.00	0.0	0.0	2160.00	675.70	682.28	0.0	8.00	690.08	866.30	465.21	0.90
	98.000	200.00	0.0	0.0	2040.00	678.00	683.80	0.0	5.76	478.04	953.82	759.35	0.0
	98.000	200.00	0.0	0.0	2040.00	678.00	684.86	0.0	6.40	682.94	869.99	544.42	1.07
	100.000	200.00	0.0	0.0	2040.00	680.30	685.97	0.0	6.31	479.76	953.27	705.08	0.0
	100.000	200.00	0.0	0.0	2040.00	680.30	686.94	0.0	7.31	689.22	866.88	479.98	0.97
G	10200.000	200.00	0.0	0.0	2040.00	682.70	687.35	0.0	3.05	121.50	770.04	1209.87-1.7	0.0
	10200.000	200.00	0.0	0.0	2040.00	682.70	688.23	0.0	2.82	247.92	602.95	1123.27-1.3	0.89
H	12800.000	2600.00	0.0	0.0	2040.00	684.90	691.09	0.0	2.01	126.60	646.42	1721.72-1.2	0.0
	12800.000	2600.00	0.0	0.0	2040.00	684.90	691.53	0.0	2.16	190.55	530.89	1509.12-1.1	0.45

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
I	14300.000	1500.00	0.0	0.0	1880.00	687.80	693.07	0.0	3.30	93.96	459.03	942.16-2.0	0.0
	14300.000	1500.00	0.0	0.0	1880.00	687.80	693.55	0.0	3.56	138.10	363.96	806.31-2.3	0.48
J	15500.000	1200.00	0.0	0.0	1880.00	692.20	698.58	697.67	5.52	1481.93	1784.50	653.16-2.9	0.0
	15500.000	1200.00	0.0	0.0	1880.00	692.20	699.07	0.0	5.84	1551.70	1735.07	555.31-3.4	0.50
K	15950.000	450.00	0.0	0.0	1880.00	693.90	700.62	0.0	3.15	283.20	637.93	964.64-2.0	0.0
	15950.000	450.00	0.0	0.0	1880.00	693.90	701.13	0.0	3.33	399.12	620.18	841.95-2.2	0.51
	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65-1.5	0.0
L	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.76	0.0	3.31	183.98	345.15	549.97-1.2	0.48
	17800.000	80.00	0.0	0.0	1190.00	699.30	707.83	707.83	10.18	230.05	801.01	226.04	0.0

K	15950.000	450.00	0.0	0.0	1860.00	693.90	700.62	0.0	3.15	283.20	639.93	964.64-1.0	0.0
	15950.000	450.00	0.0	0.0	1880.00	693.90	701.13	0.0	3.33	399.12	620.18	841.95-2.2	0.51
	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.28	0.0	3.07	118.46	394.69	652.65-1.0	0.0
L	17720.000	1770.00	0.0	0.0	1190.00	700.30	705.76	0.0	3.31	183.98	345.15	549.97-1.0	0.48
*	17800.000	80.00	0.0	0.0	1190.00	699.30	707.83	707.83	10.18	320.05	481.81	225.93	0.0
*	17800.000	80.00	0.0	0.0	1190.00	699.30	707.24	707.24	13.65	374.81	410.15	132.24	-0.59
	17842.000	42.00	706.80	705.30	1190.00	699.30	708.67	0.0	6.61	279.00	534.69	402.50	0.0
	17842.000	42.00	999999.00	0.0	1190.00	699.30	708.08	0.0	9.70	362.29	432.77	206.13	-0.59
M	17922.000	80.00	0.0	0.0	1190.00	701.20	708.98	0.0	0.93	170.64	554.99	1823.64	0.0
	17922.000	80.00	0.0	0.0	1190.00	701.20	708.97	0.0	1.07	238.89	505.48	1503.72	-0.01
	²⁰¹⁵⁰ 20250 .000	2328.00	0.0	0.0	987.00	708.80	712.86	712.86	8.73	1096.36	1292.35	221.61	0.0
	20250.000	2328.00	0.0	0.0	987.00	708.80	713.33	713.33	9.83	1191.64	1277.51	161.93	0.47
	22000.000	1850.00	0.0	0.0	838.00	730.30	737.38	0.0	5.29	1117.11	1270.68	287.75	0.0
	22000.000	1850.00	0.0	0.0	838.00	730.30	737.94	0.0	5.56	1178.66	1234.69	210.24	0.56
	22450.000	50.00	0.0	0.0	838.00	730.40	737.71	0.0	4.76	1110.66	1272.74	324.49	0.0
	22450.000	50.00	0.0	0.0	838.00	730.40	738.29	0.0	4.96	1174.97	1237.69	242.31	0.57
	22150.000	50.00	0.0	0.0	838.00	730.50	738.07	0.0	4.88	1100.65	1310.84	375.77	0.0
	22150.000	50.00	0.0	0.0	838.00	730.50	738.64	0.0	4.99	1167.58	1246.03	285.99	0.57
	22175.000	25.00	736.20	734.50	838.00	730.50	738.65	0.0	3.48	1093.06	1328.09	506.95	0.0
	22175.000	25.00	999999.00	0.0	838.00	730.50	739.23	0.0	3.55	1156.48	1257.96	402.92	0.57
	22225.000	50.00	0.0	0.0	838.00	730.60	738.73	0.0	3.33	1096.09	1279.98	467.73	0.0
	22225.000	50.00	0.0	0.0	838.00	730.60	739.30	0.0	3.43	1159.89	1247.03	374.84	0.57
	²²²⁷⁵ 22225 .000	50.00	0.0	0.0	838.00	730.70	738.83	0.0	3.33	1096.09	1279.97	467.59	0.0
P	22225.000	50.00	0.0	0.0	838.00	730.70	739.39	0.0	3.45	1159.72	1247.18	373.31	0.56
	25330.000	3105.00	0.0	0.0	460.00	766.60	769.37	769.37	8.76	1167.25	1227.94	85.50	0.0
Q*	25330.000	3105.00	0.0	0.0	460.00	766.60	769.75	769.75	10.82	1194.96	1205.17	54.02	0.38

SUMMARY OF ERRORS

CAUTION SECNO= 7780.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 7780.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO=17800.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=17300.000 PROFILE= 1 PROBABLE MAXIMUM SPECIFIC ENERGY

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
800.000	372.	1153.	2.8	663.1	662.1	1.0
82400.000	337.	1411.	1.8	667.3	666.3	1.0
84225.000	342.	1259.	2.1	670.6	669.6	1.0
85900.000	195.	922.	2.8	674.4	673.4	1.0
87650.000	214.	940.	2.3	678.5	677.5	1.0
87720.000	33.	203.	10.7	677.4	677.1	0.3
87730.000	130.	643.	3.4	679.9	678.9	1.0
87950.000	308.	1774.	1.2	680.2	679.4	0.8
8800.000	176.	465.	4.6	682.3	681.4	0.9
88.000	147.	544.	3.7	684.9	683.8	1.1
100.000	178.	480.	4.3	687.0	686.0	1.0
10200.000	355.	1123.	1.8	688.2	687.3	0.9
132000.000	340.	1509.	1.4	691.5	691.1	0.4
14300.000	226.	806.	2.3	693.6	693.1	0.5
15500.000	143.	555.	3.4	699.1	698.6	0.5
15950.000	221.	842.	2.2	701.1	700.6	0.5
17720.000	161.	550.	2.2	705.4	705.3	0.5
17800.000	35.	132.	9.0	707.3	707.8	-0.5
17842.000	70.	206.	5.8	708.2	708.7	-0.5
17922.000	267.	1504.	0.8	709.0	709.0	0.0
20050.000	86.	162.	6.1	713.4	712.9	0.5
22100.000	56.	210.	4.0	738.0	737.4	0.6
22450.000	63.	242.	3.5	738.3	737.7	0.6
22150.000	78.	286.	2.9	738.7	738.1	0.6
22175.000	101.	403.	2.1	739.3	738.7	0.6
22225.000	87.	375.	2.2	739.3	738.7	0.6
22625.000	97.	373.	2.2	739.4	738.8	0.6
25330.000	20.	54.	0.5	769.8	769.4	0.4


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IEF285I VOL SER NOS= SPARE8.
IEF285I SYS77355.T081300.RV001.RGRANT2.194 DELETED
IEF285I VOL SER NOS= SPARE9.
IEF285I SYS77355.T081300.RV001.RGRANT2.195 DELETED
IEF285I VOL SER NOS= SPARE8.
IEF285I SYS77355.T081300.RV001.RGRANT2.196 DELETED
IEF285I VOL SER NOS= SPARE9.

```

```

G CORR=500K TIME---0:41.0 JR--4875 RD/WR---0:00.0 RC-----0
G USED=234K CPU---0:13.0 DISK---478 REWIND---0:00.0
G I/O---0:28.0 TAPE-----0 FL SR---0:00.0

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RGRANT2 TIME---0:41.0

```

*****
HCC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION - 50,51,52
*****

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T1 GRANTS CREEK PROFILE 2
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 10 YEAR FLOOD WATER SURFACE PROFILE

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J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.0	0.0	0.0	0.	674.200	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	-1.	2.	0.	0.	0.0	0.0	0.0	0.	674.200	0.0	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE	
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	39.000	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	201.000	0.0	0.0	0.0	0.0	0.0	
MC	0.090	0.090	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0
JT	5.000	5032.000	7924.000	9521.000	24000.000	9521.000	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0	0.0
X1	45200.000	18.000	505.000	538.000	45200.000	45200.000	45200.000	45200.000	0.0	-2.194	0.0
GR	684.000	40.000	680.000	110.000	672.400	400.000	671.900	458.000	673.000	474.000	0.0
GR	667.500	505.000	660.200	508.000	661.200	534.000	667.700	538.000	672.000	546.000	0.0
GR	673.000	600.000	677.000	627.000	677.000	660.000	674.900	667.000	675.300	700.000	0.0
GR	670.000	780.000	680.000	935.000	690.000	1010.000	0.0	0.0	0.0	0.0	0.0
X1	45250.000	0.0	0.0	0.0	50.000	50.000	50.000	50.000	1.000	0.240	0.0
X1	45275.000	0.0	0.0	0.0	25.000	25.000	25.000	25.000	1.000	0.120	0.0
X1	45300.000	11.000	725.000	783.000	25.000	25.000	25.000	0.0	-2.194	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	675.300	675.300	0.0	0.0
GR	688.000	0.0	680.000	315.000	670.000	600.000	669.000	725.000	667.500	740.000	0.0
GR	661.000	750.000	660.700	780.000	670.000	783.000	676.000	910.000	680.000	1050.000	0.0
GR	690.000	1225.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.400	2.500	0.0	22.000	1.500	475.000	1.500	661.000	661.000	0.0
X1	45350.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0	0.0
X2	0.0	0.0	1.000	673.200	675.300	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	675.300	675.300	0.0	0.0
BT	10.000	0.0	685.800	0.0	315.000	677.800	0.0	600.000	673.600	0.0	0.0
BT	700.000	673.100	0.0	725.000	673.100	671.000	783.000	673.200	671.000	800.000	0.0
BT	673.100	0.0	900.000	673.600	0.0	1050.000	677.800	0.0	1225.000	687.800	0.0
JT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	45375.000	16.000	781.000	830.000	25.000	25.000	25.000	0.0	-2.194	0.0	0.0
SP	688.000	30.000	680.000	290.000	669.000	700.000	668.700	781.000	662.000	795.000	0.0