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

C
 T1 LEXINGTON-DAVIDSON COUNTY STRM 20L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.012000	0.0	0.0	0.	659,300	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	201.000	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
IT	5.000	541.000	556.000	602.000	1014.000	602.000	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	22.000	12.000	1070.000	1078.000	22.000	22.000	22.000	0.0	-2.300	0.0
GR	675.000	1000.000	659.600	1070.000	657.600	1071.000	657.300	1074.000	657.700	1076.000
SP	659.900	1078.000	663.900	1100.000	663.500	1200.000	663.900	1255.000	670.900	1270.000
SR	671.200	1300.000	675.000	1356.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	42.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.700	0.0
IC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	67.000	23.000	1229.500	1334.500	25.000	25.000	25.000	0.0	0.0	0.0
GR	675.100	1000.000	661.700	1081.000	661.300	1100.000	661.400	1200.000	661.600	1300.000
SP	661.900	1400.000	662.000	1500.000	663.500	1600.000	663.500	1604.000	658.600	1628.000
GR	658.600	1620.000	656.800	1630.200	656.100	1632.000	656.800	1633.800	658.600	1634.500
SP	653.700	1636.000	662.700	1652.000	662.300	1758.000	662.700	1813.000	667.700	1824.000
GP	669.900	1900.000	673.300	2000.000	675.100	2048.000	0.0	0.0	0.0	0.0
SR	0.900	1.500	2.500	0.0	5.000	0.010	19.630	0.0	0.0	0.0
	ROWN YOUNG DRIVE		MXLCEL	661.1		RDELV	663.7			
X1	133.000	0.0	0.0	0.0	66.000	66.000	66.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	661.100	0.0	0.0	0.0	0.0	0.0	0.0
IT	18.000	1000.000	675.100	0.0	1081.000	661.700	0.0	1100.000	661.300	0.0
BT	1200.000	661.400	0.0	1300.000	661.600	0.0	1400.000	661.900	0.0	1500.000
BT	662.600	0.0	1400.000	663.500	0.0	1629.500	663.700	658.600	1630.200	663.700

BT	660,400	1632,000	663,700	661,100	1633,800	663,700	660,400	1634,500	663,700	658,600
BT	1700,000	664,600	0,0	1800,000	666,900	0,0	1900,000	669,900	0,0	2000,000
BT	673,300	0,0	2048,000	675,100	0,0	0,0	0,0	0,0	0,0	0,0
VC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	183,000	12,000	1070,000	1078,000	50,000	50,000	50,000	0,0	-0,600	0,0
GR	675,000	1000,000	659,600	1070,000	657,600	1071,000	657,300	1074,000	657,700	1076,000
GR	659,900	1078,000	663,900	1100,000	663,500	1200,000	663,900	1255,000	670,900	1270,000
GR	671,200	1300,000	675,000	1356,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	258,000	0,0	0,0	0,0	75,000	75,000	75,000	0,0	1,000	0,0
QT	5,000	323,000	505,000	594,000	1018,000	594,000	0,0	0,0	0,0	0,0

X1	1143,000	10,000	1239,000	1253,000	885,000	885,000	885,000	0,0	-3,800	0,0
GR	691,900	1000,000	682,600	1100,000	678,700	1200,000	676,600	1239,000	672,600	1242,000
GR	672,400	1245,000	672,600	1250,000	677,300	1253,000	678,700	1300,000	691,900	1365,000

X1	1193,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,500	0,0
VC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	1243,000	20,000	1462,500	1467,500	50,000	50,000	50,000	0,0	0,0	0,0
GR	692,700	1000,000	686,500	1100,000	681,100	1200,000	677,700	1300,000	677,300	1386,000
GR	676,000	1420,000	673,900	1459,000	672,200	1462,500	670,400	1463,200	669,700	1465,000
SP	670,400	1466,300	672,200	1467,500	674,600	1473,000	676,000	1520,000	689,200	1585,000
GR	679,700	1588,000	681,600	1600,000	684,800	1700,000	688,800	1800,000	692,700	1865,000
SB	0,900	1,500	2,500	0,0	5,000	0,110	19,630	0,0	0,0	0,0

SONO TALBERT BLVD MI CEL 674,7 RDELV 677,8

X1	1309,000	0,0	0,0	0,0	66,000	66,000	66,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	674,700	0,0	0,0	0,0	0,0	0,0	0,0
BT	15,000	1000,000	682,700	0,0	1100,000	686,500	0,0	1200,000	681,100	0,0
BT	1300,000	677,700	0,0	1400,000	677,100	0,0	1462,500	677,700	672,200	1463,200
BT	677,700	674,700	1465,000	677,800	674,700	1466,800	677,800	674,000	1467,500	677,800
BT	672,200	1500,000	678,500	0,0	1600,000	681,600	0,0	1700,000	684,200	0,0
BT	1400,000	689,300	0,0	1865,000	682,700	0,0	0,0	0,0	0,0	0,0
VC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	1353,000	10,000	1239,000	1253,000	50,000	50,000	50,000	0,0	-1,800	0,0
GR	691,900	1000,000	682,600	1100,000	678,700	1200,000	676,600	1239,000	672,600	1242,000
GR	672,400	1245,000	672,600	1250,000	677,300	1253,000	678,700	1300,000	691,900	1365,000

X1	1403,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,900	0,0
BT	5,000	170,000	258,000	303,000	689,000	303,000	0,0	0,0	0,0	0,0

X1	2977,000	10,000	1265,000	1227,000	1568,000	1568,000	1568,000	0,0	-3,000	0,0
GR	717,500	1000,000	705,700	1100,000	703,000	1200,000	702,200	1205,000	697,200	1207,000
GR	697,000	1213,000	697,600	1220,000	702,600	1227,000	712,300	1300,000	717,500	1337,000

X1	3027,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,900	0,0
VC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	3077,000	17,000	1348,500	1351,500	50,000	50,000	50,000	0,0	0,0	0,0
GR	722,100	1000,000	722,900	1100,000	716,600	1137,000	704,500	1237,000	701,600	1337,000
GR	700,000	1342,000	697,300	1348,500	696,200	1348,900	695,800	1350,000	696,200	1351,100

GR	697.300	1351.500	701.400	1364.000	711.300	1437.000	716.300	1474.000	721.200	1500.000
GR	728.100	1600.000	729.100	1618.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	3.000	0.010	7.100	0.0	0.0	0.0

RDNn N.CHURCH ST. MXLCEL 698.8 RDELV 713.8

X1	3167.000	0.0	0.0	0.0	90.000	90.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	698.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	13.000	1000.000	729.100	0.0	1100.000	722.900	0.0	1200.000	716.200	0.0
BT	1300.000	713.300	0.0	1348.500	713.800	697.300	1348.900	713.800	698.400	1350.000
BT	713.800	698.800	1351.100	713.800	698.400	1351.500	713.800	697.300	1400.000	715.500
BT	0.0	1500.000	721.200	0.0	1600.000	728.100	0.0	1618.000	729.100	0.0
VC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3191.000	10.000	1205.000	1227.000	24.000	24.000	24.000	0.0	0.0	0.0
GR	717.500	1000.000	705.700	1100.000	703.000	1200.000	702.200	1205.000	697.200	1207.000
GR	697.000	1213.000	697.600	1220.000	702.600	1227.000	712.300	1300.000	717.500	1337.000
VC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3214.000	18.000	1498.200	1501.700	23.000	23.000	23.000	0.0	0.0	0.0
GR	740.100	1000.000	740.700	1100.000	741.500	1200.000	719.900	1287.000	708.100	1387.000
GR	705.400	1467.000	703.600	1492.000	700.400	1498.200	699.400	1498.200	699.400	1501.700
GR	700.400	1501.700	705.000	1514.000	714.700	1587.000	719.900	1624.000	746.300	1700.000
GR	747.400	1800.000	748.400	1900.000	749.300	2000.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	3.500	0.010	12.250	0.0	0.0	0.0

RDNn SOUTHERN RR MXLCEL 702.9 RDELV 744.3

X1	3369.000	0.0	0.0	0.0	155.000	155.000	155.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	702.900	0.0	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	740.100	0.0	1100.000	740.700	0.0	1200.000	741.500	0.0
BT	1300.000	742.400	0.0	1400.000	743.300	0.0	1498.200	744.200	702.900	1501.700
BT	744.300	702.200	1400.000	745.300	0.0	1700.000	746.300	0.0	1800.000	747.400
BT	0.0	1900.000	748.400	0.0	2000.000	749.300	0.0	0.0	0.0	0.0
VC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3415.000	10.000	1205.000	1227.000	50.000	50.000	50.000	0.0	4.100	0.0
GR	717.500	1000.000	705.700	1100.000	703.000	1200.000	702.200	1205.000	697.200	1207.000
GR	697.000	1213.000	697.600	1220.000	702.600	1227.000	712.300	1300.000	717.500	1337.000

X1	3469.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.700	0.0
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X1	3670.000	15.000	1117.000	1128.000	201.000	201.000	201.000	0.0	-3.500	0.0
GR	731.000	1000.000	727.500	1007.000	725.400	1037.000	722.900	1050.000	721.000	1074.000
GR	719.300	1100.000	714.000	1117.000	711.400	1119.000	711.200	1121.000	711.500	1124.000
GR	716.100	1128.000	720.600	1142.000	725.000	1200.000	726.500	1220.000	731.000	1245.000

X1	3720.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.700	0.0
VC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3770.000	22.000	1194.500	1200.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	734.000	1000.000	724.800	1100.000	723.500	1123.000	722.800	1126.000	720.900	1150.000
GR	719.200	1176.000	714.800	1193.000	712.100	1194.500	711.400	1194.800	711.100	1195.500
GR	711.400	1196.200	712.100	1196.500	712.600	1197.500	711.500	1197.800	711.100	1199.000
GR	711.500	1200.100	712.600	1200.500	716.000	1204.000	720.500	1258.000	722.000	1264.000
GR	723.500	1300.000	734.000	1383.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	6.000	0.010	10.210	0.0	0.0	0.0

RDNn CORNER ST. MXLCEL 714.1 RDELV 719.2

X1	3810.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	714.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	734.000	0.0	1100.000	724.800	0.0	1194.500	719.200	712.100
BT	1194.800	719.200	712.800	1195.500	719.200	713.100	1196.200	719.200	712.800	1196.500
BT	719.200	712.100	1197.500	719.200	712.600	1197.800	719.200	713.700	1199.000	719.200
BT	714.100	1200.100	719.200	713.700	1200.500	719.200	712.600	1300.000	723.600	0.0
BT	1383.000	734.000	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	3860.000	15.000	1117.000	1128.000	50.000	50.000	50.000	0.0	2.100	0.0
GR	731.000	1000.000	727.500	1007.000	725.400	1037.000	722.900	1050.000	721.000	1074.000
GR	719.300	1100.000	714.900	1117.000	711.400	1119.000	711.200	1121.000	711.500	1124.000
GR	716.100	1128.000	720.600	1132.000	725.000	1200.000	726.500	1220.000	731.000	1245.000

X1	3910.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.200	0.0
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X1	4009.000	11.000	1128.000	1142.000	99.000	99.000	99.000	0.0	0.0	0.0
GR	738.200	1000.000	726.500	1100.000	725.600	1122.000	722.200	1128.000	720.700	1132.000
GR	720.500	1135.000	720.800	1138.000	723.200	1142.000	726.000	1158.000	736.800	1200.000
GR	738.200	1210.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	4059.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4109.000	21.000	1257.500	1265.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	746.200	1000.000	736.300	1100.000	731.700	1200.000	731.600	1218.000	730.800	1226.000
GR	729.500	1248.000	726.500	1254.000	725.800	1257.500	725.100	1257.800	724.800	1258.500
GR	725.100	1259.200	725.800	1259.500	726.100	1262.500	725.200	1262.900	724.800	1263.800
GR	725.200	1264.700	726.100	1265.000	727.500	1268.000	730.300	1284.000	734.200	1300.000
GR	746.200	1400.000	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	7.500	0.010	8.100	0.0	0.0	0.0

RDNn RAILROAD ST. MXLCEL 727.3 RDELV 731.7

X1	4149.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	727.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	746.200	0.0	1100.000	736.300	0.0	1200.000	731.700	0.0
BT	1257.500	731.600	725.800	1257.800	731.600	726.500	1258.500	731.600	726.800	1259.200
BT	731.600	726.500	1259.500	731.600	725.800	1262.500	731.700	726.100	1262.900	731.700
BT	727.000	1263.800	731.700	727.300	1264.700	731.800	727.000	1265.000	731.800	726.100
BT	1300.000	734.200	0.0	1400.000	746.200	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	4199.000	11.000	1128.000	1142.000	50.000	50.000	50.000	0.0	5.900	0.0
GR	738.200	1000.000	726.500	1100.000	725.600	1122.000	722.200	1128.000	720.700	1132.000
GR	720.500	1135.000	720.800	1138.000	723.200	1142.000	726.000	1158.000	736.800	1200.000
GR	738.200	1210.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	4249.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.600	0.0
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X1	4351.000	9.000	1074.000	1081.000	102.000	102.000	102.000	0.0	-4.300	0.0
GR	750.200	1000.000	735.300	1074.000	734.500	1076.000	734.300	1078.000	734.600	1080.000
GR	735.300	1081.000	738.400	1100.000	744.400	1200.000	750.200	1272.000	0.0	0.0

1.69 0.32 0.81 0.31 0.055 0.035 0.055 0.033 734.30 1037.33
 0.000024 50. 50. 50. 0 0 0 0.0 134.07 1171.39

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORP - 01
 MODIFICATION - 50.51,52

T1 LEXINGTON-DAVIDSON COUNTY STRM 20L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	JOIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	3.	0.	0.	0.012000	0.0	0.0	0.	660.300	0.0
J2	MPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300
 *SECNO 22.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLQBL	XLCH	XLQBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL DEPTH ASSUMED								
22.00	5.51	660.52	660.51	660.30	661.73	1.22	0.0	0.0	657.30
566.	45.	407.	80.	23.	39.	23.	0.	0.	657.60
0.0	3.64	10.30	3.42	0.055	0.035	0.055	0.0	655.00	1055.41
0.009952	22.	22.	22.	0	8	0	0.0	38.60	1094.01

*SECNO 52.000

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

3585 20 TRIALS ATTEMPTED WSEL, CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

42.00	5.52	661.22	661.22	0.0	662.43	1.21	0.20	0.00	658.00
566.	86.	400.	80.	24.	39.	23.	0.	0.	658.30
0.00	3.62	10.26	7.41	0.055	0.035	0.055	0.033	655.70	1055.35
0.009852	20.	20.	20.	20	5	0	0.0	38.72	1094.07

CCHV= 0.100 CEHV= 0.300
 *SECNO 67.000

3265 DIVIDED FLOW

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

T1 LEXINGTON-DAVIDSON COUNTY STRM 20L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.012000	0.0	0.0	0.	612.300	0.0
J2	MPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 3

CCHV= 0.100 CEHV= 0.300
 *SECD 22.000

SECD	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	YCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL DEPTH ASSUMED								
22.00	5.65	660.65	660.65	662.30	661.88	1.24	0.0	0.0	657.30
602.	95.	413.	90.	25.	40.	26.	0.	0.	657.60
0.0	3.72	10.44	3.51	0.055	0.035	0.055	0.0	655.00	1054.79
0.009847	22.	22.	22.	0	16	0	0.0	39.97	1094.76

*SECD 42.000

SECD	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	YCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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

42.00	5.65	661.35	661.35	0.0	662.58	1.23	0.20	0.00	659.00
602.	95.	413.	90.	26.	40.	26.	0.	0.	658.30
0.00	3.72	10.42	3.51	0.055	0.035	0.055	0.033	655.70	1054.77
0.009814	20.	20.	20.	20	5	0	0.0	40.00	1094.77

CCHV= 0.100 CEHV= 0.300
 *SECD 67.000

3265 DIVIDED FLOW

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

T1 LEXINGTON-DAVIDSON COUNTY STRM 20L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.012000	0.0	0.0	0.	663.300	0.0
J2	WPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 4

CCHV= 0.100 CCHV= 0.300

*SECHO 22.000

SECHO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
TIME	VLOP	VCH	VROF	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOPL	YLOH	XLOPR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL DEPTH ASSUMED								
22.00	7.12	662.12	662.12	663.30	662.75	0.63	0.0	0.0	657.30
1014.	181.	464.	369.	53.	52.	167.	0.	0.	657.60
0.0	3.43	8.37	2.21	0.055	0.035	0.055	0.0	655.00	1048.11
0.005155	20.	20.	20.	0	0	0	0.0	208.00	1256.11

*SECHO 42.000

SECHO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
TIME	VLOP	VCH	VROF	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOPL	YLOH	XLOPR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEF,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

42.00	7.07	662.77	662.77	0.0	663.45	0.68	0.11	0.01	658.00
1014.	182.	475.	357.	52.	51.	159.	0.	0.	658.30
0.0	3.53	9.23	2.25	0.055	0.035	0.055	0.033	655.70	1048.32
0.005513	20.	20.	20.	20	0	0	0.0	207.69	1256.01

CCHV= 0.100 CCHV= 0.300

*SECHO 67.000

3301 HV CHANGED MORE THAN HVINS

67.00	7.41	663.51	0.0	0.0	663.53	0.01	0.01	0.07	658.60
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 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	ALCH	ELTRD	EILC	Q	ELMIN.	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 22.000	22.00	0.0	0.0	341.00	655.00	659.51	659.51	9.10	1059.95	1088.52	52.12	0.0
* 22.000	22.00	0.0	0.0	566.00	655.00	660.51	660.51	10.30	1055.41	1094.01	85.64	1.00
* 22.000	22.00	0.0	0.0	602.00	655.00	660.65	660.65	10.44	1054.79	1094.76	90.99	0.14
* 22.000	22.00	0.0	0.0	1014.00	655.00	662.12	662.12	8.97	1048.11	1256.11	271.06	1.47
* 42.000	20.00	0.0	0.0	341.00	655.70	660.22	660.22	9.07	1059.91	1088.56	52.35	0.0
* 42.000	20.00	0.0	0.0	566.00	655.70	661.22	661.22	10.26	1055.35	1094.07	86.11	1.00
* 42.000	20.00	0.0	0.0	602.00	655.70	661.35	661.35	10.42	1054.77	1094.77	91.13	0.13
* 42.000	20.00	0.0	0.0	1014.00	655.70	662.77	662.77	9.23	1048.32	1256.01	261.67	1.42
* 57.000	25.00	0.0	0.0	341.00	656.10	660.78	660.78	8.83	1617.31	1647.46	50.01	0.0
* 57.000	25.00	0.0	0.0	566.00	656.10	662.54	661.79	2.39	1075.90	1791.61	485.83	1.76
* 57.000	25.00	0.0	0.0	602.00	656.10	662.70	651.86	2.12	1074.96	1812.78	578.31	0.15
* 57.000	25.00	0.0	0.0	1014.00	656.10	663.51	0.0	1.58	1070.01	1814.80	1145.09	0.81
133.000	66.00	661.30	661.10	341.00	656.10	661.51	0.0	3.88	1080.30	1653.14	178.85	0.0
133.000	66.00	661.30	661.10	566.00	656.10	662.60	0.0	2.23	1075.55	1799.57	519.13	0.79
133.000	66.00	661.30	661.10	602.00	656.10	662.75	0.0	1.96	1074.57	1813.14	620.82	0.15
133.000	66.00	661.30	661.10	1014.00	656.10	663.50	0.0	1.49	1069.59	1814.95	1197.66	0.83
* 133.000	66.00	0.0	0.0	341.00	656.70	661.28	661.21	8.86	1059.65	1088.88	54.02	0.0
* 133.000	66.00	0.0	0.0	566.00	656.70	662.21	662.21	10.30	1055.40	1094.01	85.69	0.93
* 133.000	66.00	0.0	0.0	602.00	656.70	662.36	662.36	10.40	1054.74	1094.81	91.42	0.15
* 133.000	66.00	0.0	0.0	1014.00	656.70	663.82	663.82	8.94	1048.09	1256.12	272.02	1.46
* 258.000	75.00	0.0	0.0	341.00	657.70	662.20	662.20	9.15	1060.00	1088.45	51.79	0.0
* 258.000	75.00	0.0	0.0	566.00	657.70	663.22	663.22	10.26	1055.35	1094.07	86.11	1.02
* 258.000	75.00	0.0	0.0	602.00	657.70	663.35	663.35	10.44	1054.79	1094.75	90.96	0.12
* 258.000	75.00	0.0	0.0	1014.00	657.70	664.77	664.77	9.25	1048.33	1256.00	260.91	1.42
1143.000	985.00	0.0	0.0	323.00	668.60	672.43	0.0	8.30	1239.28	1252.31	38.93	0.0
1143.000	985.00	0.0	0.0	505.00	668.60	673.28	673.28	9.96	1230.14	1252.86	52.56	0.85
* 1143.000	985.00	0.0	0.0	594.00	668.60	674.12	674.12	8.92	1214.45	1273.87	84.97	0.84
* 1143.000	985.00	0.0	0.0	1018.00	668.60	675.50	675.50	8.42	1184.52	1302.97	212.92	1.38
1193.000	50.00	0.0	0.0	323.00	669.10	673.15	0.0	7.70	1239.11	1252.46	41.96	0.0
1193.000	50.00	0.0	0.0	505.00	669.10	674.35	673.69	8.34	1219.53	1264.69	70.67	1.20
* 1193.000	50.00	0.0	0.0	594.00	669.10	674.61	674.61	8.97	1214.72	1273.39	84.12	0.25
* 1193.000	50.00	0.0	0.0	1018.00	669.10	675.94	675.94	8.66	1186.09	1302.67	205.75	1.34

SECNO	XLCH	ELTRC	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 1243.000	50.00	0.0	0.0	323.00	669.70	675.16	675.16	7.74	1435.53	1491.94	61.10	0.0
* 1243.000	50.00	0.0	0.0	505.00	669.70	675.72	675.72	8.13	1425.22	1510.57	100.45	0.56
* 1243.000	50.00	0.0	0.0	594.00	669.70	675.91	675.91	8.32	1421.65	1517.01	117.79	0.19
* 1243.000	50.00	0.0	0.0	1018.00	669.70	676.46	676.46	9.30	1408.04	1522.25	175.45	0.55
1309.000	66.00	677.10	674.70	323.00	669.70	677.81	0.0	1.28	1296.47	1528.96	384.10	0.0
1309.000	66.00	677.10	674.70	505.00	669.70	678.18	0.0	1.62	1285.48	1530.80	473.43	0.37
1309.000	66.00	677.10	674.70	594.00	669.70	678.32	0.0	1.78	1281.78	1531.42	504.52	0.14
1309.000	66.00	677.10	674.70	1018.00	669.70	678.83	0.0	2.36	1266.86	1533.92	635.56	0.51
1359.000	50.00	0.0	0.0	323.00	670.60	677.79	0.0	2.35	1177.20	1304.38	247.99	0.0
1359.000	50.00	0.0	0.0	505.00	670.60	678.14	0.0	3.16	1168.19	1306.11	294.58	0.35
1359.000	50.00	0.0	0.0	594.00	670.60	678.27	0.0	3.52	1164.96	1306.73	312.21	0.13
1359.000	50.00	0.0	0.0	1018.00	670.60	678.72	0.0	5.04	1153.24	1308.98	380.19	0.46
1409.000	50.00	0.0	0.0	323.00	671.50	677.74	0.0	3.66	1201.11	1297.98	141.10	0.0
1409.000	50.00	0.0	0.0	505.00	671.50	678.06	0.0	4.91	1193.30	1301.29	174.18	0.32
1409.000	50.00	0.0	0.0	594.00	671.50	678.17	0.0	5.48	1190.49	1301.83	186.21	0.11
1409.000	50.00	0.0	0.0	1018.00	671.50	678.54	0.0	7.88	1180.83	1303.68	230.30	0.37
* 2977.000	1568.00	0.0	0.0	170.00	694.00	695.91	695.91	7.10	1206.31	1221.84	23.96	0.0
* 2977.000	1568.00	0.0	0.0	258.00	694.00	696.43	696.43	7.99	1206.11	1222.57	32.30	0.52
* 2977.000	1568.00	0.0	0.0	303.00	694.00	696.67	696.67	8.37	1206.01	1222.90	36.19	0.23
* 2977.000	1568.00	0.0	0.0	649.00	694.00	698.15	698.15	10.27	1205.42	1224.97	63.20	1.48
* 3027.000	50.00	0.0	0.0	170.00	694.90	696.81	696.81	7.09	1206.31	1221.84	23.98	0.0
* 3027.000	50.00	0.0	0.0	258.00	694.90	697.33	697.33	7.99	1206.11	1222.57	32.29	0.52
* 3027.000	50.00	0.0	0.0	303.00	694.90	697.57	697.57	8.36	1206.01	1222.90	36.26	0.24
* 3027.000	50.00	0.0	0.0	649.00	694.90	699.05	699.05	10.26	1205.42	1224.98	63.28	1.48
* 3077.000	50.00	0.0	0.0	170.00	695.50	699.64	699.64	8.61	1342.86	1358.64	25.31	0.0
* 3077.000	50.00	0.0	0.0	258.00	695.80	700.23	700.23	9.28	1341.36	1360.44	35.55	0.59
* 3077.000	50.00	0.0	0.0	303.00	695.80	700.47	700.47	9.57	1340.70	1351.16	40.22	0.24
* 3077.000	50.00	0.0	0.0	649.00	695.80	702.09	702.09	9.62	1326.35	1369.07	83.44	1.62
3167.000	90.00	713.30	698.80	170.00	695.80	713.00	0.0	0.09	1166.78	1449.55	2153.47	0.0
3167.000	90.00	713.30	698.80	258.00	695.80	714.17	0.0	0.12	1157.08	1458.24	2496.04	1.17
3167.000	90.00	713.30	698.80	303.00	695.80	714.36	0.0	0.14	1155.53	1459.63	2552.85	0.19
3167.000	90.00	713.30	698.80	649.00	695.80	715.20	0.0	0.26	1148.55	1465.80	2815.32	0.84
3191.000	24.00	0.0	0.0	170.00	697.00	713.00	0.0	0.17	1038.17	1304.95	1870.86	0.0
3191.000	24.00	0.0	0.0	258.00	697.00	714.17	0.0	0.22	1026.23	1313.30	2194.55	1.17
3191.000	24.00	0.0	0.0	303.00	697.00	714.36	0.0	0.25	1026.64	1314.64	2248.34	0.19
3191.000	24.00	0.0	0.0	649.00	697.00	715.20	0.0	0.47	1019.49	1320.64	2496.82	0.84
3214.000	23.00	0.0	0.0	170.00	699.40	715.00	0.0	0.17	1345.51	1574.18	1251.67	0.0
3214.000	23.00	0.0	0.0	258.00	699.40	714.17	0.0	0.21	1335.56	1583.01	1530.93	1.17
3214.000	23.00	0.0	0.0	303.00	699.40	714.36	0.0	0.24	1335.97	1584.42	1577.67	0.19
3214.000	23.00	0.0	0.0	649.00	699.40	715.20	0.0	0.44	1326.83	1590.56	1794.56	0.84
3369.000	155.00	740.10	702.90	170.00	699.40	717.48	0.0	0.08	1307.50	1606.79	2436.70	0.0
3369.000	155.00	740.10	702.90	258.00	699.40	724.50	0.0	0.06	1268.47	1637.24	4829.70	7.02
3369.000	155.00	740.10	702.90	303.00	699.40	728.61	0.0	0.05	1251.93	1649.06	6402.09	4.11
3369.000	155.00	740.10	702.90	649.00	699.40	741.29	0.0	0.05	1000.00	1685.58	12106.96	12.69

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
3419.000	50.00	0.0	0.0	170.00	701.10	717.48	0.0	0.16	1034.91	1307.69	1974.79	0.0
3419.000	50.00	0.0	0.0	258.00	701.10	724.50	0.0	0.11	1000.00	1337.00	4208.05	7.02
3419.000	50.00	0.0	0.0	303.00	701.10	728.61	0.0	0.09	1000.00	1337.00	5591.77	4.11
3419.000	50.00	0.0	0.0	649.00	701.10	741.29	0.0	0.11	1000.00	1337.00	9866.91	12.69
3469.000	50.00	0.0	0.0	170.00	702.80	717.48	0.0	0.21	1049.31	1295.35	1533.67	0.0
3469.000	50.00	0.0	0.0	258.00	702.80	724.50	0.0	0.13	1000.00	1337.00	3635.17	7.02
3469.000	50.00	0.0	0.0	303.00	702.80	728.61	0.0	0.11	1000.00	1337.00	5018.88	4.11
3469.000	50.00	0.0	0.0	649.00	702.80	741.29	0.0	0.12	1000.00	1337.00	9294.02	12.69
3670.000	201.00	0.0	0.0	170.00	707.70	717.48	0.0	0.95	1074.29	1183.56	322.60	0.0
3670.000	201.00	0.0	0.0	258.00	707.70	724.50	0.0	0.32	1006.00	1228.53	1467.31	7.02
3670.000	201.00	0.0	0.0	303.00	707.70	728.61	0.0	0.22	1000.00	1245.00	2439.27	4.11
3670.000	201.00	0.0	0.0	649.00	707.70	741.29	0.0	0.19	1000.00	1245.00	5547.31	12.69
3720.000	50.00	0.0	0.0	170.00	709.40	717.46	0.0	1.61	1100.11	1166.05	171.09	0.0
3720.000	50.00	0.0	0.0	258.00	709.40	724.50	0.0	0.42	1024.14	1217.33	1109.21	7.04
3720.000	50.00	0.0	0.0	303.00	709.40	728.61	0.0	0.27	1001.19	1241.70	2024.06	4.11
3720.000	50.00	0.0	0.0	649.00	709.40	741.29	0.0	0.20	1000.00	1245.00	5130.82	12.69
3770.000	50.00	0.0	0.0	170.00	711.10	717.43	0.0	3.01	1132.85	1221.13	77.49	0.0
3770.000	50.00	0.0	0.0	258.00	711.10	724.50	0.0	0.40	1105.31	1307.18	870.82	7.07
3770.000	50.00	0.0	0.0	303.00	711.10	728.61	0.0	0.21	1058.63	1339.95	1866.78	4.11
3770.000	50.00	0.0	0.0	649.00	711.10	741.29	0.0	0.11	1000.00	1383.00	6451.22	12.69
3810.000	40.00	719.20	714.10	170.00	711.10	720.27	0.0	0.99	1159.54	1255.31	257.47	0.0
3810.000	40.00	719.20	714.10	258.00	711.10	724.54	0.0	0.40	1104.65	1307.43	878.33	4.27
3810.000	40.00	719.20	714.10	303.00	711.10	728.63	0.0	0.21	1058.37	1340.14	1873.38	4.09
3810.000	40.00	719.20	714.10	649.00	711.10	741.31	0.0	0.11	1000.00	1383.00	6459.64	12.68
3860.000	50.00	0.0	0.0	170.00	713.30	720.23	0.0	2.29	1104.52	1152.35	106.12	0.0
3860.000	50.00	0.0	0.0	258.00	713.30	724.53	0.0	0.95	1055.86	1189.51	499.34	4.30
3860.000	50.00	0.0	0.0	303.00	713.30	728.63	0.0	0.47	1020.87	1220.16	1154.18	4.10
3860.000	50.00	0.0	0.0	649.00	713.30	741.31	0.0	0.25	1000.00	1245.00	4180.59	12.69
3910.000	50.00	0.0	0.0	170.00	715.50	720.08	0.0	4.74	1113.58	1127.73	37.04	0.0
3910.000	50.00	0.0	0.0	258.00	715.50	724.52	0.0	1.83	1085.86	1177.50	246.08	4.43
3910.000	50.00	0.0	0.0	303.00	715.50	728.63	0.0	0.71	1042.57	1197.25	774.68	4.11
3910.000	50.00	0.0	0.0	649.00	715.50	741.31	0.0	0.30	1000.00	1245.00	3641.55	12.69
* 4009.000	99.00	0.0	0.0	170.00	720.50	722.89	722.89	7.38	1126.79	1141.48	23.36	0.0
4009.000	99.00	0.0	0.0	258.00	720.50	724.22	0.0	5.96	1124.42	1147.87	48.27	1.33
4009.000	99.00	0.0	0.0	303.00	720.50	728.61	0.0	1.79	1081.89	1168.18	284.78	4.59
4009.000	99.00	0.0	0.0	649.00	720.50	741.31	0.0	0.54	1000.00	1210.00	2339.32	12.70
* 4059.000	50.00	0.0	0.0	170.00	722.60	724.99	724.99	7.36	1126.78	1141.49	23.43	0.0
* 4059.000	50.00	0.0	0.0	258.00	722.60	725.56	725.56	6.26	1125.73	1143.47	32.45	0.57
4059.000	50.00	0.0	0.0	303.00	722.60	728.54	0.0	3.40	1101.42	1159.72	126.42	2.98
4059.000	50.00	0.0	0.0	649.00	722.60	741.31	0.0	0.68	1000.00	1210.00	1898.19	12.77
* 4109.000	50.00	0.0	0.0	170.00	724.80	727.63	727.63	7.40	1252.01	1268.72	25.01	0.0
* 4109.000	50.00	0.0	0.0	258.00	724.80	728.19	728.19	8.04	1251.02	1271.92	35.53	0.56
* 4109.000	50.00	0.0	0.0	303.00	724.80	728.41	728.41	8.41	1250.64	1273.17	40.29	0.22
4109.000	50.00	0.0	0.0	649.00	724.80	741.31	0.0	0.37	1049.37	1359.27	2202.53	12.91

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFHSP
4149.000	40.00	731.60	727.30	170.00	724.80	732.13	0.0	0.99	1190.43	1291.55	227.30	0.0
* 4149.000	40.00	731.60	727.30	258.00	724.80	732.50	0.0	1.30	1180.40	1293.06	266.42	0.37
* 4149.000	40.00	731.60	727.30	303.00	724.80	732.65	0.0	1.44	1179.15	1293.68	283.23	0.15
4149.000	40.00	731.60	727.30	640.00	724.80	741.35	0.0	0.37	1048.92	1359.64	2216.39	8.71
4199.000	50.00	0.0	0.0	170.00	726.40	732.10	0.0	2.06	1107.29	1158.78	113.23	0.0
4199.000	50.00	0.0	0.0	258.00	726.40	732.45	0.0	2.79	1099.58	1160.14	132.81	0.35
4199.000	50.00	0.0	0.0	303.00	726.40	732.58	0.0	3.14	1098.43	1160.66	141.05	0.13
4199.000	50.00	0.0	0.0	649.00	726.40	741.35	0.0	1.09	1023.46	1194.77	1165.31	8.77
4249.000	50.00	0.0	0.0	170.00	728.00	732.04	0.0	3.49	1123.86	1149.68	56.08	0.0
4249.000	50.00	0.0	0.0	258.00	728.00	732.33	0.0	4.78	1123.35	1151.34	63.91	0.29
4249.000	50.00	0.0	0.0	303.00	728.00	732.43	0.0	5.44	1123.18	1151.90	66.65	0.10
4249.000	50.00	0.0	0.0	649.00	728.00	741.35	0.0	1.37	1037.17	1188.53	906.52	8.92
* 4351.000	102.00	0.0	0.0	170.00	730.00	732.72	732.72	7.70	1065.47	1091.52	33.03	0.0
* 4351.000	102.00	0.0	0.0	258.00	730.00	733.24	733.24	8.61	1062.87	1094.73	48.19	0.52
* 4351.000	102.00	0.0	0.0	303.00	730.00	733.48	733.48	8.91	1061.69	1096.20	56.11	0.24
4351.000	102.00	0.0	0.0	649.00	730.00	741.35	0.0	1.52	1022.59	1215.53	945.15	7.88
* 4401.000	50.00	0.0	0.0	170.00	731.60	734.32	734.32	7.66	1065.43	1091.58	33.25	0.0
* 4401.000	50.00	0.0	0.0	258.00	731.60	734.85	734.85	8.57	1062.84	1094.77	48.40	0.52
* 4401.000	50.00	0.0	0.0	303.00	731.60	735.06	735.06	9.00	1061.78	1096.08	55.46	0.21
4401.000	50.00	0.0	0.0	649.00	731.60	741.35	0.0	2.20	1030.51	1194.30	660.11	6.29
* 4451.000	50.00	0.0	0.0	170.00	733.20	738.75	738.75	13.16	1270.70	1273.20	12.92	0.0
* 4451.000	50.00	0.0	0.0	258.00	733.20	740.37	740.37	6.93	1247.05	1307.70	51.02	1.62
* 4451.000	50.00	0.0	0.0	303.00	733.20	740.51	740.51	6.82	1244.18	1311.88	60.12	0.14
* 4451.000	50.00	0.0	0.0	649.00	733.20	741.09	741.09	7.52	1232.60	1328.78	107.11	0.57
4486.000	35.00	742.10	740.40	170.00	733.20	742.68	0.0	0.52	1200.32	1375.86	324.20	0.0
* 4486.000	35.00	742.10	740.40	258.00	733.20	743.08	0.0	0.60	1192.90	1387.83	399.45	0.40
4486.000	35.00	742.10	740.40	303.00	733.20	743.21	0.0	0.65	1190.62	1391.53	424.29	0.12
4486.000	35.00	742.10	740.40	649.00	733.20	743.93	0.0	0.91	1177.68	1396.02	574.16	0.72
4536.000	50.00	0.0	0.0	170.00	733.80	742.68	0.0	0.71	1034.85	1179.71	525.05	0.0
4536.000	50.00	0.0	0.0	258.00	733.80	743.09	0.0	0.90	1032.84	1186.46	585.43	0.40
4536.000	50.00	0.0	0.0	303.00	733.80	743.21	0.0	1.12	1032.22	1188.53	604.71	0.12
4536.000	50.00	0.0	0.0	649.00	733.80	743.93	0.0	2.02	1028.65	1200.40	722.92	0.72
4586.000	50.00	0.0	0.0	170.00	734.30	742.68	0.0	0.81	1037.33	1171.39	455.48	0.0
4586.000	50.00	0.0	0.0	258.00	734.30	743.09	0.0	1.11	1035.32	1178.15	511.55	0.40
4586.000	50.00	0.0	0.0	303.00	734.30	743.21	0.0	1.26	1034.70	1180.22	529.54	0.12
4586.000	50.00	0.0	0.0	649.00	734.30	743.93	0.0	2.27	1031.10	1192.29	640.59	0.72

SUMMARY OF ERRORS

CAUTION SECNO= 22.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 22.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 22.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 22.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 42.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 42.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 42.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE CWSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10F	2C	0.2C
22.000	0.	-1.1	-0.1	1.5
42.000	20.	-1.1	-0.1	1.4
67.000	45.	-1.3	-0.2	0.8
133.000	111.	-0.9	-0.2	0.8
183.000	161.	-1.1	-0.1	1.5
258.000	236.	-1.1	-0.1	1.4
1143.000	1121.	-1.7	-0.8	1.4
1193.000	1171.	-1.5	-0.3	1.3
1243.000	1221.	-0.7	-0.2	0.5
1309.000	1287.	-0.5	-0.1	0.5
1359.000	1337.	-0.5	-0.1	0.5
1409.000	1387.	-0.4	-0.1	0.4
2977.000	2955.	-0.8	-0.2	1.5
3027.000	3005.	-0.8	-0.2	1.5
3077.000	3055.	-0.8	-0.2	1.6
3167.000	3145.	-1.4	-0.2	0.8
3191.000	3169.	-1.4	-0.2	0.8
3214.000	3192.	-1.4	-0.2	0.8
3369.000	3347.	-11.1	-4.1	12.7
3419.000	3397.	-11.1	-4.1	12.7
3469.000	3447.	-11.1	-4.1	12.7
3670.000	3648.	-11.1	-4.1	12.7
3720.000	3698.	-11.1	-4.1	12.7
3770.000	3748.	-11.2	-4.1	12.7
3810.000	3785.	-8.4	-4.1	12.7
3860.000	3838.	-8.4	-4.1	12.7
3910.000	3888.	-8.5	-4.1	12.7
4009.000	3987.	-5.7	-4.4	12.7
4059.000	4037.	-3.6	-3.0	12.8
4109.000	4087.	-0.8	-0.2	12.9
4149.000	4127.	-0.5	-0.1	8.7
4199.000	4177.	-0.5	-0.1	8.8
4249.000	4227.	-0.4	-0.1	8.9
4351.000	4329.	-0.8	-0.2	7.9
4401.000	4379.	-0.7	-0.2	6.3
4451.000	4429.	-1.8	-0.1	0.6
4486.000	4464.	-0.5	-0.1	0.7
4536.000	4514.	-0.8	-0.1	0.7
4586.000	4564.	-0.8	-0.1	0.7
WEIGHTED AVG FOR REACH		-2.4	-0.9	3.7

FHF FOR THE REACH = 0.25 WITH 23.6% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION 10C	DATA 1C	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.					SEC.	22,000
1	100.	661.3	662.4	-1.1	-1.1	010	100.
	20.					SEC.	42,000
	45.					SEC.	67,000
	111.					SEC.	133,000
	161.					SEC.	183,000
2	200.	661.5	662.6	-1.1	-1.1	010	100.
	236.					SEC.	250,000
3	300.	662.3	663.5	-1.1	-1.1	010	100.
4	400.	663.5	664.7	-1.2	-1.1	010	100.
5	500.	664.7	666.0	-1.3	-1.2	010	100.
6	600.	665.8	667.2	-1.3	-1.2	010	100.
7	700.	667.0	668.4	-1.4	-1.2	010	100.
8	800.	668.1	669.6	-1.5	-1.3	015	100.
9	900.	669.3	670.8	-1.5	-1.3	015	100.
10	1000.	670.4	672.0	-1.6	-1.3	015	100.
11	1100.	671.6	673.3	-1.7	-1.3	015	100.
	1121.					SEC.	1143,000
	1171.					SEC.	1193,000
12	1200.	673.7	675.0	-1.3	-1.3	015	100.
	1221.					SEC.	1243,000
	1287.					SEC.	1309,000
13	1300.	677.8	678.3	-0.5	-1.3	015	92.
	1337.					SEC.	1359,000
	1387.					SEC.	1409,000
14	1400.	677.8	678.2	-0.4	-1.2	010	66.
15	1500.	678.5	678.9	-0.4	-1.2	010	80.
16	1600.	679.6	680.1	-0.5	-1.1	010	69.
17	1700.	680.8	681.3	-0.5	-1.1	010	59.
18	1800.	681.9	682.5	-0.5	-1.1	010	56.
19	1900.	683.1	683.6	-0.5	-1.0	010	53.
20	2000.	684.3	684.8	-0.5	-1.0	010	65.
21	2100.	685.4	686.0	-0.6	-1.0	010	71.
22	2200.	686.6	687.2	-0.6	-1.0	010	73.
23	2300.	687.7	688.3	-0.6	-0.9	010	74.
24	2400.	688.9	689.5	-0.6	-0.9	010	79.
25	2500.	690.1	690.7	-0.7	-0.9	010	84.
26	2600.	691.2	691.9	-0.7	-0.9	010	85.
27	2700.	692.4	693.1	-0.7	-0.9	010	85.
28	2800.	693.5	694.2	-0.7	-0.9	010	82.
29	2900.	694.7	695.4	-0.7	-0.9	010	83.
	2955.					SEC.	2977,000
30	3000.	696.0	696.7	-0.8	-0.9	010	83.
	3005.					SEC.	3027,000
	3055.					SEC.	3077,000
31	3100.	703.0	703.0	-1.0	-0.9	010	84.
	3145.					SEC.	3167,000
	3169.					SEC.	3191,000
	3192.					SEC.	3214,000
32	3200.	713.1	714.7	-1.6	-0.9	010	84.
33	3300.	714.7	719.7	-5.0	-1.0	010	67.
	3347.					SEC.	3369,000
	3397.					SEC.	3419,000
34	3400.	717.5	728.6	-11.1	-1.3	015	41.
	3447.					SEC.	3469,000
35	3500.	717.5	728.6	-11.1	-1.6	015	34.
36	3600.	717.5	728.6	-11.1	-1.9	020	17.
	3646.					SEC.	3670,000
	3698.					SEC.	3720,000
37	3700.	717.5	728.6	-11.1	-2.1	020	30.

	3748.					SEC.	3770.000	
	3788.					SEC.	3810.000	
38	3800.	720.3	728.6	-8.4	-2.3	025		18.
	3838.					SEC.	3860.000	
	3888.					SEC.	3910.000	
39	3900.	720.3	728.6	-8.4	-2.4	025		13.
	3987.					SEC.	4009.000	
40	4000.	721.9	728.6	-6.7	-2.6	025		8.
	4037.					SEC.	4059.000	
	4087.					SEC.	4109.000	
41	4100.	728.4	729.1	-0.7	-2.5	025		10.
	4127.					SEC.	4149.000	
	4177.					SEC.	4199.000	
42	4200.	732.1	732.5	-0.5	-2.5	025		12.
	4227.					SEC.	4249.000	
43	4300.	732.3	732.8	-0.5	-2.4	025		12.
	4329.					SEC.	4351.000	
	4379.					SEC.	4401.000	
44	4400.	735.3	736.2	-1.0	-2.4	025		14.
	4429.					SEC.	4451.000	
	4464.					SEC.	4486.000	
45	4500.	742.7	743.2	-0.5	-2.3	025		13.
	4514.					SEC.	4536.000	
	4564.					SEC.	4586.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 32 45
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.