
 HEC2 RELEASE DATED NOV 75 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 LEXINGTON-DAVIDSON CO. STREAM 22L
 T2 FLOODPLAIN STUDY AT ROHAN & DAVIDSON COUNTIES H-S JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INF	NTNV	DIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.014000	0.0	0.0	0.	622.700	0.0
J2	PROF	IPLOT	PREVS	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
QC	0.035	0.355	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	0.035	320.000	1330.000	1620.000	2200.000	1620.000	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
GR	400.000	18.000	1485.000	1558.000	400.000	400.000	400.000	0.0	0.0	0.0
GR	551.300	1000.000	1443.000	1100.000	635.500	1200.000	636.700	1300.000	634.600	1400.000
GR	632.900	1485.000	420.000	1502.000	618.600	1510.000	617.700	1520.000	617.700	1520.000
GR	621.300	1357.000	421.000	1554.000	634.500	1568.000	634.900	1600.000	635.000	2000.000
GR	636.800	2075.000	427.000	2094.000	636.300	2110.000	0.0	0.0	0.0	0.0
ET	5.000	320.000	1330.000	1620.000	2200.000	1620.000	0.0	0.0	0.0	0.0
GR	350.000	18.000	1356.000	1394.000	950.000	950.000	950.000	0.0	0.0	0.0
GR	555.700	1000.000	401.000	1100.000	638.500	1200.000	639.600	1256.000	630.600	1374.000
GR	632.800	1394.000	400.000	1400.000	633.300	1450.000	643.900	1500.000	654.800	1550.000
ET	5.000	320.000	1330.000	1620.000	2200.000	1620.000	0.0	0.0	0.0	0.0
GR	443.000	12.000	1350.000	1398.000	1133.000	1133.000	1133.000	0.0	0.0	0.0
GR	561.200	1000.000	455.000	1050.000	654.900	1100.000	652.300	1150.000	650.200	1200.000
GR	608.000	1250.000	465.000	1300.000	645.500	1350.000	638.900	1368.000	644.900	1388.000
GR	646.700	1400.000	451.000	1426.000	0.0	0.0	0.0	0.0	0.0	0.0
QC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
GR	2583.000	13.000	1423.000	1429.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	567.900	1000.000	442.000	1014.000	662.700	1050.000	661.600	1100.000	653.600	1146.000
GR	653.700	1197.000	442.000	1423.000	640.400	1424.000	639.400	1426.000	640.400	1428.000
GR	642.800	1429.000	450.500	1550.000	664.200	1600.000	0.0	0.0	0.0	0.0
SB	0.000	1.500	2.500	0.0	6.000	0.010	28.250	0.0	0.0	0.0

41	2644,000	0,0	0,0	0,0	61,000	61,000	61,000	0,0	0,0	0,0
42	0,0	0,0	1,000	645,400	652,000	0,0	0,0	0,0	0,0	0,0
43	21,000	1000,000	267,500	0,0	1014,000	662,200	0,0	1050,000	662,000	0,0
44	1100,000	661,600	0,0	1146,000	663,600	0,0	1200,000	653,600	0,0	1250,000
45	655,000	0,0	1300,000	653,500	0,0	1350,000	652,200	0,0	1400,000	652,200
46	0,0	1422,500	212,400	0,0	1423,000	652,400	642,400	1424,000	652,400	644,400
47	1425,000	652,500	645,400	1428,000	652,500	644,400	1429,000	652,500	642,400	1429,100
48	652,500	0,0	1036,000	652,500	0,0	1450,000	653,500	0,0	1500,000	656,700
49	0,0	1550,000	650,500	0,0	1600,000	664,200	0,0	0,0	0,0	0,0
50	0,055	0,155	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

51	2744,000	12,000	1350,000	1395,000	100,000	100,000	100,000	0,0	1,000	0,0
52	661,200	1000,000	676,400	1050,000	654,900	100,000	652,300	1150,000	650,200	1200,000
53	661,400	1250,000	685,000	1300,000	645,500	1350,000	638,900	1368,000	644,900	1368,000
54	646,700	1400,000	681,200	1426,000	0,0	0,0	0,0	0,0	0,0	0,0
55	5,000	520,000	1375,000	1620,000	2200,000	1620,000	0,0	0,0	0,0	0,0

56	4378,000	11,000	1179,000	1206,000	1634,000	1634,000	1634,000	0,0	0,0	0,0
57	674,900	1000,000	666,800	1050,000	659,100	1119,000	661,500	1160,000	657,700	1169,000
58	667,300	1179,000	651,700	1191,000	657,300	1206,000	659,500	1300,000	667,800	1350,000
59	674,900	1400,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
60	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
61	5,000	725,000	1159,000	1339,000	1617,000	1359,000	0,0	0,0	0,0	0,0
62	5,000	0,0	0,0	0,0	0,0	-10,400	0,0	0,0	0,0	0,0

63	4558,000	12,000	1426,000	1454,000	190,000	190,000	190,000	0,0	0,0	0,0
64	680,400	1000,000	672,100	1100,000	665,400	1200,000	663,600	1300,000	663,700	1400,000
65	664,600	1426,000	660,300	1436,000	660,000	1444,000	660,400	1450,000	664,600	1454,000
66	675,500	1300,000	660,400	1524,000	0,0	0,0	0,0	0,0	0,0	0,0
67	5,000	647,000	1037,000	1220,000	1639,000	1220,000	0,0	0,0	0,0	0,0

68	5767,000	10,000	1263,000	1287,000	1199,000	1199,000	1199,000	0,0	-0,900	0,0
69	668,700	1000,000	674,400	1100,000	674,100	1200,000	673,800	1263,000	669,300	1270,000
70	668,900	1277,000	669,200	1282,000	673,500	1287,000	675,200	1300,000	668,700	1367,000

71	5817,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,900	0,0
72	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

73	1057,000	23,000	1351,000	1347,000	50,000	50,000	50,000	0,0	0,0	0,0
74	691,100	1000,000	682,700	1100,000	682,200	1200,000	682,100	1208,000	676,500	1262,000
75	674,200	1325,000	673,900	1331,000	672,000	1331,700	671,300	1333,500	672,000	1335,300
76	675,500	1336,000	673,300	1342,000	672,000	1342,700	671,300	1344,500	672,000	1346,300
77	675,500	1347,000	675,500	1347,000	677,600	1362,000	683,200	1399,000	683,500	1400,000
78	686,100	1360,000	683,000	1360,000	696,500	1384,000	0,0	0,0	0,0	0,0
79	0,900	1,500	2,500	0,0	16,000	0,000	39,250	0,0	0,0	0,0

80	5922,000	0,0	0,0	0,0	55,000	55,000	55,000	0,0	0,0	0,0
81	0,0	0,0	1,000	676,300	0,0	0,0	0,0	0,0	0,0	0,0
82	12,000	1000,000	651,100	0,0	1100,000	682,700	0,0	1200,000	692,200	0,0
83	1330,000	681,300	0,0	1331,000	681,600	673,800	1331,700	681,600	675,600	1333,500
84	681,000	676,300	1335,300	681,600	675,600	1336,000	681,600	673,800	1342,000	681,600
85	675,500	1342,700	681,000	676,600	1344,500	681,700	676,300	1346,300	681,600	675,600
86	1347,000	681,300	673,000	1400,000	683,500	0,0	1500,000	684,100	0,0	1600,000
87	643,600	0,0	1224,000	696,500	0,0	0,0	0,0	0,0	0,0	0,0
88	0,055	0,155	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

89	5972,000	10,000	1263,000	1287,000	50,000	50,000	50,000	0,0	2,400	0,0
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GR	688,700	1000,000	484,400	1100,000	674,100	1200,000	675,800	1263,000	669,300	1270,000
SP	658,900	1277,000	469,200	1282,000	673,500	1287,000	675,200	1300,000	688,700	1367,000
X1	4022,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.0	0.0
X1	6037,000	15,000	1166,000	1178,000	15,000	15,000	15,000	0.0	0.900	0.0
GR	688,600	1000,000	483,300	1010,000	677,900	1100,000	681,000	1117,000	681,300	1130,000
GR	680,900	1143,000	473,700	1166,000	671,400	1167,000	670,800	1171,000	671,400	1175,000
GR	673,600	1178,000	478,800	1188,000	679,000	1200,000	682,900	1300,000	688,600	1313,000
X1	6037,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.200	0.0
XC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	6137,000	18,000	1096,000	1104,000	50,000	50,000	50,000	0.0	0.0	0.0
GR	701,000	910,000	690,600	929,000	685,300	939,000	679,900	1029,000	683,000	1046,000
GR	683,300	1059,000	682,900	1072,000	675,700	1095,000	673,400	1096,000	672,800	1096,000
GR	672,800	1104,000	673,400	1104,000	675,600	1107,000	680,800	1117,000	681,000	1129,000
GR	684,900	1229,000	690,600	1242,000	699,300	1260,000	0.0	0.0	0.0	0.0
SP	0.900	1.500	2.500	0.0	0.000	0.010	55,000	0.0	0.0	0.0
X1	6249,000	0.0	0.0	0.0	112,000	112,000	112,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	679,600	0.0	0.0	0.0	0.0	0.0	0.0
BT	7,000	910,000	701,000	0.0	1000,000	701,000	0.0	1096,000	701,100	679,800
BT	1104,000	701,100	679,800	1154,500	700,600	0.0	1202,000	700,000	0.0	1260,000
BT	699,300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	6299,000	13,000	1177,000	1201,000	50,000	50,000	50,000	0.0	0.800	0.0
GR	699,100	1000,000	473,000	1021,000	679,600	1100,000	679,300	1115,000	682,100	1133,000
GR	682,500	1146,000	482,100	1139,000	672,100	1177,000	672,300	1137,000	672,100	1193,000
GR	672,400	1200,000	482,300	1201,000	695,100	1281,000	0.0	0.0	0.0	0.0
X1	6315,000	0.0	0.0	0.0	17,000	17,000	17,000	0.0	0.100	0.0
BT	5,000	530,000	642,000	1022,000	1593,000	1022,000	0.0	0.0	0.0	0.0
X1	6415,000	13,000	1270,000	1287,000	102,000	102,000	102,000	0.0	-2,800	0.0
GR	699,800	1000,000	478,400	1100,000	686,400	1185,000	686,700	1198,000	687,200	1211,000
GR	682,900	1270,000	477,900	1275,000	677,700	1260,000	678,000	1285,000	682,300	1287,000
GR	665,000	1300,000	486,100	1355,000	699,600	1380,000	0.0	0.0	0.0	0.0
X1	6465,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	0.400	0.0
XC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	6515,000	24,000	1089,000	1471,000	50,000	50,000	50,000	0.0	0.0	0.0
GR	700,600	1000,000	484,100	1100,000	688,400	1200,000	686,200	1300,000	684,300	1350,000
GR	684,600	1400,000	484,500	1410,000	681,600	1455,000	678,900	1459,000	677,100	1459,700
GR	676,400	1461,000	477,100	1463,300	678,900	1464,000	679,900	1466,000	677,100	1466,700
GR	676,400	1468,000	477,100	1470,300	678,900	1471,000	681,000	1472,000	683,700	1485,000
GR	686,800	1540,000	489,300	1546,600	691,900	1600,000	697,000	1700,000	0.0	0.0
SP	0.900	1.500	2.500	0.0	12,000	0.010	39,250	0.0	0.0	0.0
X1	6586,600	0.0	0.0	0.0	68,000	68,000	68,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	681,400	0.0	0.0	0.0	0.0	0.0	0.0
BT	15,000	1000,000	700,600	0.0	1100,000	694,100	0.0	1200,000	688,400	0.0
BT	1300,000	686,200	0.0	1400,000	684,600	0.0	1459,000	685,700	678,900	1459,700

BT	635,700	680,700	1461,500	685,700	681,400	1463,300	685,800	680,700	1464,000	685,800
BT	674,900	1466,000	685,000	678,900	1466,700	685,800	680,700	1468,500	685,900	681,400
BT	1477,300	685,000	680,700	1471,000	685,900	678,900	1500,000	687,000	0,0	1600,000
BT	691,900	0,0	1700,000	697,000	0,0	0,0	0,0	0,0	0,0	0,0
X1	6685,000	13,000	1270,000	1287,000	100,000	100,000	100,000	0,0	0,0	0,0
SP	699,800	1000,000	688,400	1100,000	686,400	1185,000	686,700	1198,000	687,200	1211,000
SP	682,900	1270,000	677,900	1275,000	677,700	1280,000	678,000	1285,000	682,300	1287,000
SP	685,000	1300,000	688,100	1355,000	699,800	1380,000	0,0	0,0	0,0	0,0
NC	0,025	0,125	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	6906,000	0,0	0,0	0,0	220,000	220,000	200,000	0,0	1,200	0,0
X1	7005,000	25,000	1370,000	1364,000	100,000	100,000	100,000	0,0	0,0	0,0
GR	684,500	1000,000	686,600	1100,000	688,500	1200,000	689,200	1257,000	688,700	1282,000
SP	689,200	1295,000	689,500	1308,000	685,200	1367,000	682,500	1370,000	680,700	1370,700
GR	680,000	1372,500	680,700	1374,300	682,500	1375,000	682,500	1379,000	680,700	1379,700
SP	680,000	1381,500	680,700	1383,300	682,500	1384,000	684,600	1384,000	687,300	1397,000
GR	690,400	1452,000	692,900	1458,000	694,000	1500,000	697,100	1600,000	700,300	1700,000
SB	0,900	1,500	2,500	0,0	14,000	0,010	39,250	0,0	0,0	0,0
X1	7077,000	0,0	0,0	0,0	71,000	71,000	71,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	685,000	0,0	0,0	0,0	0,0	0,0	0,0
BT	14,000	1000,000	684,500	0,0	1100,000	686,600	0,0	1200,000	688,500	0,0
BT	1300,000	689,000	0,0	1370,000	691,200	682,500	1370,700	691,200	684,300	1372,500
BT	691,200	685,000	1374,300	691,300	684,300	1375,000	691,300	682,500	1379,000	691,300
BT	682,500	1379,700	691,300	684,300	1381,500	691,300	685,000	1383,300	691,400	684,300
BT	1384,000	691,400	682,500	1400,000	691,700	0,0	1500,000	694,000	0,0	1600,000
BT	697,100	0,0	1700,000	700,300	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	7077,000	13,000	1270,000	1287,000	131,000	131,000	131,000	0,0	4,300	0,0
SP	699,800	1000,000	688,400	1100,000	686,400	1185,000	686,700	1198,000	687,200	1211,000
SP	682,900	1270,000	677,900	1275,000	677,700	1280,000	678,000	1285,000	682,300	1287,000
SP	685,000	1300,000	688,100	1355,000	699,800	1380,000	0,0	0,0	0,0	0,0
NC	0,025	0,125	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	7314,000	15,000	1331,000	1440,000	110,000	110,000	110,000	0,0	0,0	0,0
BT	708,700	1100,000	692,000	1100,000	695,600	1115,000	693,700	1184,000	690,600	1284,000
SP	683,500	1323,000	685,300	1331,000	683,900	1331,000	683,900	1340,000	684,200	1340,000
SP	684,400	1343,000	684,500	1346,000	683,500	1384,000	693,700	1400,000	695,300	1467,000
SP	694,900	1400,000	697,900	1410,000	703,400	1700,000	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	9,000	0,010	63,000	0,0	0,0	0,0
X1	7367,000	0,0	0,0	0,0	45,000	45,000	45,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	690,900	0,0	0,0	0,0	0,0	0,0	0,0
BT	11,000	1000,000	705,700	0,0	1100,000	699,900	0,0	1200,000	695,200	0,0
BT	1300,000	693,100	0,0	1331,000	693,200	690,900	1340,000	693,200	690,900	1400,000
BT	693,700	0,0	1407,000	685,300	0,0	1500,000	695,900	0,0	1600,000	697,900
BT	0,0	1700,000	703,400	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	7394,000	15,000	1384,000	1234,000	31,000	31,000	31,000	0,0	1,900	0,0
GR	707,400	1000,000	686,000	1031,000	683,100	1100,000	690,000	1200,000	687,900	1244,000
SP	683,700	1240,000	683,300	1352,000	683,000	1259,000	687,900	1264,000	692,900	1300,000
SP	694,100	1250,000	695,000	1392,000	696,500	1400,000	695,500	1500,000	702,900	1564,000
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
BT	6,000	630,000	662,000	1022,000	1393,000	1022,000	0,0	0,0	0,0	0,0

X1	7424,000	17,800	1278,000	1284,000	30,000	30,000	30,000	0,0	0,0	0,0
GR	716,900	1060,000	787,400	1044,000	699,200	1060,000	696,300	1129,000	693,200	1229,000
GR	691,100	1273,000	689,500	1278,000	687,400	1278,900	686,500	1281,000	687,400	1283,100
GR	689,500	1284,000	691,100	1293,000	695,800	1328,000	696,100	1400,000	699,300	1500,000
GR	772,200	1600,000	786,500	1700,000	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	28,260	0,0	0,0	0,0

X1	7513,000	0,0	0,0	0,0	89,000	89,000	89,000	0,0	0,0	0,0
A2	0,0	0,0	1,000	692,500	0,0	0,0	0,0	0,0	0,0	0,0
BT	13,000	1000,000	710,900	0,0	1100,000	703,500	0,0	1200,000	698,000	0,0
BT	1278,000	696,100	689,500	1278,900	696,100	691,600	1281,000	696,000	692,500	1283,100
BT	698,000	691,600	1284,000	696,000	689,500	1300,000	695,800	0,0	1400,000	696,100
BT	0,0	1500,000	699,300	0,0	1600,000	702,200	0,0	1700,000	706,500	0,0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	7563,000	15,000	1244,000	1264,000	50,000	50,000	50,000	0,0	4,000	0,0
GR	792,900	1000,000	696,000	1031,000	693,100	1100,000	690,000	1200,000	687,900	1244,000
GR	653,700	1248,000	683,300	1252,000	683,800	1259,000	687,900	1264,000	692,900	1300,000
GR	695,100	1350,000	695,600	1382,000	696,500	1400,000	698,500	1500,000	702,900	1564,000

X1	7613,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,800	0,0
BT	5,000	308,100	452,000	785,000	1098,000	785,000	0,0	0,0	0,0	0,0

X1	7993,000	9,000	1247,000	1265,000	370,000	370,000	370,000	0,0	6,600	0,0
GR	701,500	1000,000	693,800	1100,000	689,900	1200,000	688,700	1247,000	685,500	1253,000
GR	684,000	1260,000	685,500	1252,000	687,200	1265,000	701,500	1300,000	0,0	0,0

X1	8033,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,400	0,0
IC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	8083,000	17,000	1329,500	1334,500	25,000	25,000	25,000	0,0	0,0	0,0
GR	713,500	1000,000	705,100	1100,000	705,400	1143,000	701,100	1172,000	697,200	1272,000
GR	696,000	1319,000	692,000	1325,000	692,500	1329,500	691,600	1330,600	691,300	1332,000
GR	691,000	1333,000	692,500	1334,500	694,500	1337,000	700,900	1400,000	705,700	1500,000
GR	709,500	1600,000	713,500	1683,000	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	15,430	0,0	0,0	0,0

X1	8093,000	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	695,300	0,0	0,0	0,0	0,0	0,0	0,0
BT	17,000	1000,000	713,500	0,0	1100,000	705,100	0,0	1200,000	701,100	0,0
BT	1300,000	699,600	0,0	1329,500	699,400	692,500	1329,600	699,400	693,400	1329,800
BT	695,400	694,000	1331,000	699,400	695,100	1332,000	699,500	695,300	1333,000	699,600
BT	697,100	1334,200	699,600	694,000	1334,400	699,600	693,400	1334,500	699,600	692,500
BT	1400,000	709,800	0,0	1500,000	705,700	0,0	1600,000	709,500	0,0	1683,000
BT	713,500	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
IC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	8123,000	9,000	1247,000	1265,000	25,000	25,000	25,000	0,0	7,500	0,0
GR	701,500	1000,000	693,800	1100,000	689,900	1200,000	688,700	1247,000	685,500	1253,000
GR	684,000	1260,000	685,500	1262,000	687,200	1265,000	701,500	1300,000	0,0	0,0

X1	8173,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,400	0,0
BT	5,000	354,100	499,000	724,000	1020,000	724,000	0,0	0,0	0,0	0,0

X1	8365.000	14.000	1353.000	1364.000	196.000	196.000	196.000	0.0	-8.200	0.0
GR	727.300	1000.000	719.000	1100.000	714.000	1200.000	712.300	1300.000	710.700	1353.000
SR	704.800	1355.000	703.400	1357.000	704.800	1361.000	710.700	1364.000	714.200	1400.000
SR	719.100	1500.000	719.700	1500.000	725.800	1700.000	727.300	1722.000	0.0	0.0
X1	8419.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.900	0.0
RC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8444.000	12.000	1257.700	1260.200	25.000	25.000	25.000	0.0	0.0	0.0
GR	719.900	1000.000	712.900	1100.000	710.600	1200.000	709.000	1255.000	703.200	1257.700
SR	702.300	1258.100	701.900	1259.000	702.300	1259.900	703.200	1260.200	709.000	1266.000
SR	712.500	1302.000	718.400	1388.000	0.0	0.0	0.0	0.0	0.0	0.0
SR	2.900	2.200	2.500	0.0	2.500	0.010	4.910	0.0	0.0	0.0
X1	8510.000	0.0	0.0	0.0	55.000	66.000	66.000	0.0	0.0	0.0
GR	0.0	0.0	1.000	704.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	719.900	0.0	1100.000	712.900	0.0	1200.000	710.600	0.0
BT	1257.700	712.700	712.200	1258.100	712.700	704.100	1259.000	712.700	704.400	1259.900
BT	712.700	704.100	1260.200	712.700	703.200	1300.000	714.600	0.0	1388.000	718.400
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8545.000	14.000	1353.000	1364.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	727.300	1000.000	719.000	1100.000	714.000	1200.000	712.300	1300.000	710.700	1353.000
SR	704.800	1355.000	703.600	1357.000	704.800	1361.000	710.700	1364.000	714.200	1400.000
SR	719.100	1500.000	719.700	1500.000	725.800	1700.000	727.300	1722.000	0.0	0.0
X1	8091.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	3.400	0.0
BT	2.000	254.000	408.000	502.000	726.000	502.000	0.0	0.0	0.0	0.0
X1	8731.000	10.000	1185.000	1222.000	166.000	166.000	166.000	0.0	0.0	0.0
GR	729.500	1000.000	716.900	1100.000	713.200	1185.000	710.900	1188.000	710.800	1195.000
SR	711.100	1200.000	726.100	1222.000	726.900	1300.000	724.900	1323.000	729.500	1337.000
X1	8891.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
RC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8951.000	12.000	1295.500	1296.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	724.100	1100.000	725.500	1169.000	721.300	1202.000	717.200	1287.000	716.900	1295.500
SR	716.800	1295.000	715.800	1297.000	715.800	1298.100	716.900	1298.500	723.400	1302.000
SR	723.500	1400.000	727.300	1500.000	0.0	0.0	0.0	0.0	0.0	0.0
SR	0.900	1.500	2.500	0.0	3.000	0.010	7.100	0.0	0.0	0.0
X1	8900.000	0.0	0.0	0.0	49.000	49.000	49.000	0.0	0.0	0.0
GR	0.0	0.0	1.000	716.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1100.000	726.100	0.0	1200.000	724.400	0.0	1295.500	723.400	716.900
BT	1295.900	723.400	718.000	1297.000	723.400	710.400	1298.100	723.400	718.000	1298.500
BT	723.400	716.900	1500.000	723.400	0.0	1400.000	723.600	0.0	1500.000	727.300
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8951.000	10.000	1185.000	1222.000	50.000	50.000	50.000	0.0	7.300	0.0
GR	729.500	1000.000	716.900	1100.000	713.200	1185.000	710.900	1188.000	710.800	1195.000
SR	711.100	1200.000	726.100	1222.000	726.900	1300.000	724.900	1323.000	729.500	1337.000

X1 9000.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 2.700 0.0
 EJ 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

*PROF 1

CCRV= 0.100 CCRV= 0.300
 *SECHO 400.000

SECHO	DEPTH	WSFL	CRTWS	WSELK	EG	HV	HL	GLLOSS	BANK ELEV
0	2L00	ACH	GR0B	AL0B	ACH	AR0B	VOL	TWA	LEFT/RIGHT
TIME	VLOG	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	AL001	ALCH	XL0BR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
400.00	3.70	521.40	621.36	622.70	622.38	0.98	0.0	0.0	633.90
320.	0.	520.	0.	0.	103.	0.	0.	0.	634.60
0.0	0.0	7.95	0.0	0.055	0.035	0.055	0.0	617.70	1501.23
0.013876	400.	400.	400.	0	16	0	0.0	50.68	1551.90

*SECHO 1350.000

1350.00	3.40	534.40	0.0	0.0	635.26	0.85	12.07	0.01	639.60
320.	0.	520.	0.	0.	111.	0.	2.	1.	639.80
0.04	0.0	7.41	0.0	0.055	0.035	0.055	0.035	630.60	1324.12
0.013230	950.	950.	950.	4	0	0	0.0	58.15	1382.27

*SECHO 2483.000

2483.00	6.11	545.01	0.0	0.0	645.83	0.81	10.57	0.00	645.50
520.	0.	520.	0.	0.	113.	0.	5.	2.	644.90
0.08	0.0	7.24	0.02	0.055	0.035	0.055	0.035	638.90	1351.52
0.006925	1133.	1133.	1133.	5	0	0	0.0	37.44	1388.77

CCRV= 0.100 CCRV= 0.300
 *SECHO 2583.000

3701 HV CHANGED MORE THAN HVINS

2583.00	6.54	545.94	0.0	0.0	645.13	0.19	0.24	0.06	642.40
520.	3.74	164.	281.	125.	33.	94.	6.	3.	642.40
0.09	3.00	4.92	3.00	0.025	0.025	0.025	0.034	639.40	1352.18
0.001199	100.	100.	100.	2	0	0	0.0	129.72	1461.90

SPECIAL BRIDGE

4070.VARIABLE ELCHU OR ELCHD ON CORO SB NOT SPECIFIED

SS	WK	WK02	COFS	POLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
0.00	1.50	2.50	0.0	6.00	0.01	20.26	0.0	639.40	639.40	

*SECHO 2684.000

SECHO	DEPTH	WSEL	CRTWS	WSELK	EG	HV	HL	GLLOSS	BANK ELEV
0	0L00	ACH	GR0B	AL0B	ACH	AR0B	VOL	TWA	LEFT/RIGHT
TIME	VLOG	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	AL001	ALCH	XL0BR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST

PRESSURE AND WEIR FLOW

EGPRS	BGLVC	H3	WEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977.
 ERROR CORR - 01
 MODIFICATION - 50.51.82

T1 LEXINGTON-DAVIDSON CO. STREAM 22L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ICR	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.014000	0.0	0.0	0.	623.700	0.0
J2	MPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEH-V= 0.300
 *SECNO 400.000

SECNO	DEPTH	CHSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
TIME	SLOPE	YLOB	YRHS	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
SLOPE	YLOB	YRHS	XLOB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	YLOB	YRHS	XLOB	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
400.00	4.50	422.20	622.20	623.70	623.58	1.38	0.0	0.0	633.90
1350.	0.	1350.	0.	0.	146.	0.	0.	0.	634.60
0.0	0.0	9.42	0.0	0.055	0.035	0.055	0.0	617.70	1500.18
0.013676	400.	400.	400.	0	19	0	0.0	54.57	1554.75

*SECNO 1350.000

1350.00	4.63	435.23	635.10	0.0	636.33	1.10	12.72	0.03	639.60
1350.	0.	1350.	0.	0.	164.	0.	3.	1.	639.00
0.03	0.0	8.41	0.0	0.055	0.035	0.055	0.035	630.60	1313.26
0.013106	950.	950.	950.	4	0	0	0.0	70.91	1334.07

*SECNO 2493.000

2493.00	7.11	446.01	645.94	0.0	647.15	1.14	10.81	0.01	645.50
1350.	30.	1320.	6.	37.	151.	4.	2.	4.	644.90
0.07	1.43	8.75	1.54	0.055	0.035	0.055	0.035	638.90	1269.48
0.007258	1133.	1133.	1133.	10	18	0	0.0	125.93	1395.40

CCHV= 0.100 CEH-V= 0.300
 *SECNO 2583.000

3201 HV CHANGED MORE THAN HVTS

2583.00	7.06	647.26	0.0	0.0	647.40	0.15	0.17	0.10	642.40
1350.	606.	183.	512.	237.	41.	177.	9.	4.	642.40
0.03	2.90	4.44	2.50	0.025	0.025	0.025	0.034	639.40	1325.72

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

T1 LEXINGTON-DAVIDSON CO. STREAM 22L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6916
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IMP	WINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-18.	4.	0.	0.	0.014000	0.0	0.0	0.	625.700	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 3

CCHV= 0.100 CEHV= 0.300
 *SECD0 400.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	SLOP	ACH	OROP	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	WLDL	ACH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOGL	ALCH	XLOBN	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
6720	CRITICAL DEPTH ASSUMED								
400.00	4.62	622.52	622.52	625.70	624.04	1.52	0.0	0.0	633.90
1620.	0.	1620.	0.	0.	164.	0.	0.	0.	634.60
0.0	0.0	9.89	0.0	0.055	0.035	0.055	0.0	617.70	1499.77
0.013209	400.	400.	400.	0	14	0	0.0	55.32	1555.09

*SECD0 1350.000

1350.00	4.00	635.60	635.45	0.0	636.71	1.21	12.64	0.03	639.60
1620.	0.	1620.	0.	0.	164.	0.	4.	1.	639.60
0.0	0.0	8.51	0.0	0.055	0.035	0.055	0.035	630.60	1309.70
0.013321	350.	350.	350.	6	5	0	0.0	74.96	1384.66

*SECD0 2435.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	SLOP	ACH	OROP	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	WLDL	ACH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOGL	ALCH	XLOBN	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

7125 MINIMUM SPECIFIC ENERGY

3720	CRITICAL DEPTH ASSUMED								
2435.00	7.51	646.40	646.40	0.0	647.52	1.11	10.27	0.01	645.50
1620.	150.	1470.	0.	73.	166.	0.	9.	4.	644.90
0.07	1.27	2.07	0.0	0.055	0.035	0.055	0.035	638.90	1249.93
0.065562	1143.	1133.	1133.	6	14	0	0.0	148.10	1398.03

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

T1 LEXINGTON-DAVIDSON CO. STREAM 22L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

U1	ICHECK	INC	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	5.	0.	0.	0.014000	0.0	0.0	0.	626.700	0.0
U2	UPROF	IPLUT	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

COHV= 0.100 CEHV= 0.300

*SECTION 400.000

SECTION	DEPTH	WSEL	CRIS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	GLD	ACH	GRGB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	ACH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3720 CRITICAL DEPTH ASSUMED

400.00	5.51	623.21	623.21	626.70	625.04	1.83	0.0	0.0	633.90
2200.	0.	2200.	0.	0.	203.	0.	0.	0.	634.50
0.0	0.0	10.85	0.0	0.035	0.035	0.055	0.0	617.70	1498.87
0.013623	0.0	400.	400.	0	14	0	0.0	56.96	1555.83

*SECTION 1300.000

SECTION	DEPTH	WSEL	CRIS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	GLD	ACH	GRGB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	ACH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

1300.00	5.80	636.10	636.10	0.0	657.51	1.41	12.34	0.04	639.60
2200.	0.	2200.	0.	0.	231.	0.	5.	2.	639.60
0.05	0.0	9.52	0.0	0.035	0.035	0.055	0.035	630.60	1301.92
0.01367	0.0	954.	954.	4	5	0	0.0	84.03	1385.95

*SECTION 2400.000

SECTION	DEPTH	WSEL	CRIS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	GLD	ACH	GRGB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	ACH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01
 NOTIFICATION - 50, 51, 52

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

617.9
 621.4
 622.2
 622.5
 622.7

SECTNO	ALCH	ELTRG	ELLC	Q	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
400,000	800.00	0.0	0.0	920.00	617.70	621.40	621.36	7.95	1501.23	1551.90	103.20	0.0
400,000	800.00	0.0	0.0	1380.00	617.70	622.20	622.20	9.42	1500.19	1554.75	146.42	0.81
400,000	800.00	0.0	0.0	1620.00	617.70	622.52	622.52	9.89	1499.77	1555.09	163.73	0.31
400,000	800.00	0.0	0.0	2200.00	617.70	623.21	623.21	10.85	1498.67	1555.83	202.78	0.70
1350,000	950.00	0.0	0.0	820.00	630.60	634.40	0.0	7.41	1324.12	1382.27	110.60	0.0
1350,000	950.00	0.0	0.0	1320.00	630.60	635.23	635.18	8.41	1313.26	1384.07	164.00	0.82
1350,000	950.00	0.0	0.0	1620.00	630.60	635.59	635.44	8.81	1309.70	1384.66	183.82	0.28
1350,000	950.00	0.0	0.0	2200.00	630.60	636.10	636.10	9.52	1301.92	1385.95	230.98	0.59
2423,000	1130.00	0.0	0.0	820.00	638.90	645.01	0.0	7.24	1351.32	1388.77	113.34	0.0
2423,000	1130.00	0.0	0.0	1320.00	638.90	646.01	645.91	8.75	1269.43	1395.40	192.23	1.00
2423,000	1130.00	0.0	0.0	1620.00	638.90	646.40	646.40	8.87	1240.93	1398.03	246.35	0.39
2423,000	1130.00	0.0	0.0	2200.00	638.90	647.01	647.01	9.57	1241.97	1400.56	339.42	0.61
2523,000	100.00	0.0	0.0	820.00	639.40	645.94	0.0	4.92	1352.18	1481.90	252.32	0.0
2523,000	100.00	0.0	0.0	1320.00	639.40	647.26	0.0	4.44	1325.72	1501.66	454.48	1.32
2523,000	100.00	0.0	0.0	1620.00	639.40	647.01	0.0	4.53	1318.64	1506.94	518.90	0.35
2523,000	100.00	0.0	0.0	2200.00	639.40	648.27	0.0	4.84	1305.44	1516.80	650.62	0.66
2710,000	81.00	652.00	645.00	820.00	639.40	633.35	0.0	0.49	1203.74	1560.45	2131.01	0.0
2710,000	81.00	652.00	645.00	1320.00	639.40	638.02	0.0	0.72	1143.50	1562.87	2392.19	0.66
2710,000	81.00	652.00	645.00	1620.00	639.40	634.23	0.0	0.81	1142.34	1563.63	2479.52	0.21
2710,000	81.00	652.00	645.00	2200.00	639.40	634.63	0.0	1.02	1140.02	1565.11	2650.77	0.41
2744,000	100.00	0.0	0.0	820.00	639.90	636.30	0.0	0.97	1146.91	1410.14	1425.70	0.0
2744,000	100.00	0.0	0.0	1320.00	639.90	638.01	0.0	1.46	1136.25	1411.32	1602.14	0.66
2744,000	100.00	0.0	0.0	1620.00	639.90	638.28	0.0	1.66	1139.35	1411.69	1658.72	0.20
2744,000	100.00	0.0	0.0	2200.00	639.90	634.62	0.0	2.12	1124.63	1412.41	1772.19	0.40
4370,000	1634.00	0.0	0.0	820.00	651.70	657.77	657.77	9.19	1168.63	1226.20	95.88	0.0
4370,000	1634.00	0.0	0.0	1373.00	651.70	657.00	659.00	9.59	1165.79	1220.96	206.45	1.28
4370,000	1634.00	0.0	0.0	1620.00	651.70	659.52	659.60	9.15	1110.39	1300.73	282.13	0.57
4370,000	1634.00	0.0	0.0	2200.00	651.70	658.00	660.00	10.39	1110.34	1303.46	354.29	0.46
4560,000	150.00	0.0	0.0	725.00	640.00	664.45	664.45	6.66	1253.03	1453.85	189.37	0.0
4560,000	150.00	0.0	0.0	1155.00	640.00	664.93	664.93	7.52	1225.96	1455.40	292.41	0.49
4560,000	150.00	0.0	0.0	1359.00	640.00	665.01	665.01	8.37	1221.66	1455.73	310.35	0.08
4560,000	150.00	0.0	0.0	1617.00	640.00	665.30	665.30	8.86	1201.10	1457.29	401.07	0.37

SRNO	LCR	ELTRD	ELLC	9	ELMID	CMSL	GRWS	VCH	SSTA	ENDST	AREA	DIFWSP
6767.000	1199.00	0.0	0.0	647.00	668.00	672.60	0.0	8.34	1263.46	1287.03	77.62	0.0
6767.000	1199.00	0.0	0.0	1037.00	668.00	673.83	673.83	8.71	1193.83	1296.44	164.36	1.23
6767.000	1199.00	0.0	0.0	1220.00	668.00	674.19	674.19	8.90	1190.42	1299.13	201.48	0.35
6767.000	1199.00	0.0	0.0	1639.00	668.00	674.68	674.68	9.89	1185.62	1301.89	257.15	0.49
6817.000	50.00	0.0	0.0	647.00	668.90	673.00	673.00	9.79	1254.24	1286.42	66.08	0.0
6817.000	50.00	0.0	0.0	1037.00	668.90	674.75	674.75	8.65	1193.68	1296.57	165.99	1.75
6817.000	50.00	0.0	0.0	1220.00	668.90	675.06	675.06	9.01	1190.72	1298.90	198.17	0.30
6817.000	50.00	0.0	0.0	1639.00	668.90	675.62	675.62	9.76	1185.28	1302.07	261.30	0.56
6867.000	50.00	0.0	0.0	647.00	671.30	676.94	676.94	7.08	1257.73	1356.20	123.01	0.0
6867.000	50.00	0.0	0.0	1037.00	671.30	677.32	677.32	8.53	1253.51	1360.06	167.58	0.44
6867.000	50.00	0.0	0.0	1220.00	671.30	677.57	677.57	8.92	1251.66	1361.76	188.69	0.19
6867.000	50.00	0.0	0.0	1639.00	671.30	677.75	677.75	9.64	1248.04	1363.68	231.12	0.38
6922.000	55.00	681.20	676.30	647.00	671.30	681.92	0.0	0.95	1209.72	1382.84	804.87	0.0
6922.000	55.00	681.20	676.30	1037.00	671.30	682.67	0.0	1.27	1104.52	1386.48	965.17	0.75
6922.000	55.00	681.20	676.30	1220.00	671.30	682.87	0.0	1.43	1098.02	1387.39	1019.47	0.20
6922.000	55.00	681.20	676.30	1639.00	671.30	683.25	0.0	1.75	1093.50	1390.69	1130.64	0.38
6972.000	50.00	0.0	0.0	647.00	671.30	681.91	0.0	1.35	1147.43	1321.41	828.09	0.0
6972.000	50.00	0.0	0.0	1037.00	671.30	682.56	0.0	1.88	1140.16	1325.13	962.35	0.75
6972.000	50.00	0.0	0.0	1220.00	671.30	682.86	0.0	2.13	1138.26	1326.10	998.94	0.20
6972.000	50.00	0.0	0.0	1639.00	671.30	683.23	0.0	2.68	1134.62	1327.96	1070.32	0.37
6922.000	50.00	0.0	0.0	647.00	671.30	681.92	0.0	1.35	1147.41	1321.42	828.39	0.0
6922.000	50.00	0.0	0.0	1037.00	671.30	682.67	0.0	1.87	1140.15	1325.15	963.03	0.75
6922.000	50.00	0.0	0.0	1220.00	671.30	682.57	0.0	2.13	1135.22	1326.12	999.72	0.20
6922.000	50.00	0.0	0.0	1639.00	671.30	683.24	0.0	2.68	1134.57	1327.99	1071.45	0.38
6837.000	15.00	0.0	0.0	647.00	671.70	681.66	0.0	3.23	1048.95	1250.33	422.68	0.0
6837.000	15.00	0.0	0.0	1037.00	671.70	682.68	0.0	4.10	1036.72	1269.14	577.52	0.73
6837.000	15.00	0.0	0.0	1220.00	671.70	682.78	0.0	4.54	1033.63	1273.90	621.42	0.19
6837.000	15.00	0.0	0.0	1639.00	671.70	683.14	0.0	5.46	1027.73	1282.97	709.02	0.35
6837.000	50.00	0.0	0.0	647.00	671.50	681.57	0.0	3.42	1032.11	1245.47	390.33	0.0
6837.000	50.00	0.0	0.0	1037.00	671.50	682.61	0.0	4.35	1039.79	1264.41	535.42	0.74
6837.000	50.00	0.0	0.0	1220.00	671.50	682.80	0.0	4.81	1036.64	1269.27	578.69	0.19
6837.000	50.00	0.0	0.0	1639.00	671.50	683.16	0.0	5.77	1030.62	1278.53	665.43	0.36
6137.000	30.00	0.0	0.0	647.00	672.80	681.97	0.0	4.01	996.22	1151.21	263.41	0.0
6137.000	30.00	0.0	0.0	1037.00	672.80	682.61	0.0	5.00	988.87	1170.22	365.96	0.74
6137.000	30.00	0.0	0.0	1220.00	672.80	682.50	0.0	5.51	980.71	1175.08	396.66	0.19
6137.000	30.00	0.0	0.0	1639.00	672.80	683.16	0.0	6.49	974.59	1184.49	462.90	0.37
6249.000	112.00	696.30	679.30	647.00	672.80	685.06	0.0	1.30	942.54	1229.42	942.99	0.0
6249.000	112.00	696.30	679.30	1037.00	672.80	686.83	0.0	0.56	920.47	1242.59	2695.57	5.80
6249.000	112.00	696.30	679.30	1220.00	672.80	684.26	0.0	0.43	922.32	1249.57	3776.31	3.37
6249.000	112.00	696.30	679.30	1639.00	672.80	710.56	0.0	0.34	910.80	1260.00	5914.61	6.30
6229.000	30.00	0.0	0.0	647.00	672.90	685.07	0.0	1.51	1019.42	1213.38	736.67	0.0
6229.000	30.00	0.0	0.0	1037.00	672.90	686.82	0.0	0.85	1008.99	1249.68	1999.01	5.61
6229.000	30.00	0.0	0.0	1220.00	672.90	686.25	0.0	0.69	1002.94	1270.76	2856.40	3.37
6229.000	30.00	0.0	0.0	1639.00	672.90	700.56	0.0	0.55	1000.00	1261.00	4617.42	6.30

SECO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
6315.000	17.00	0.0	0.0	647.00	673.00	635.07	0.0	1.55	1019.61	1212.71	716.07	0.0
6315.000	17.00	0.0	0.0	1037.00	673.00	690.88	0.0	0.86	1009.18	1249.02	1973.55	5.81
6315.000	17.00	0.0	0.0	1220.00	673.00	694.25	0.0	0.69	1003.13	1270.09	2827.90	3.37
6315.000	17.00	0.0	0.0	1639.00	673.00	700.56	0.0	0.55	1000.00	1281.00	4586.99	6.30
6418.000	102.00	0.0	0.0	530.00	674.90	685.08	0.0	2.00	1121.98	1351.15	525.53	0.0
6418.000	102.00	0.0	0.0	862.00	674.90	690.89	0.0	0.77	1053.65	1366.93	2154.54	5.81
6418.000	102.00	0.0	0.0	1022.00	674.90	694.26	0.0	0.57	1024.08	1374.13	3272.46	3.37
6418.000	102.00	0.0	0.0	1393.00	674.90	700.56	0.0	0.43	1000.00	1380.00	5626.68	6.30
6468.000	50.00	0.0	0.0	530.00	675.30	685.07	0.0	2.29	1139.00	1344.04	438.55	0.0
6468.000	50.00	0.0	0.0	862.00	675.30	690.89	0.0	0.82	1057.13	1366.08	2031.18	5.81
6468.000	50.00	0.0	0.0	1022.00	675.30	694.26	0.0	0.60	1027.57	1373.28	3134.11	3.37
6468.000	50.00	0.0	0.0	1393.00	675.30	700.56	0.0	0.44	1000.00	1380.00	5475.18	6.30
6518.000	50.00	0.0	0.0	530.00	676.40	685.07	0.0	2.79	1329.52	1509.45	296.61	0.0
6518.000	50.00	0.0	0.0	862.00	676.40	690.89	0.0	0.55	1156.36	1578.97	2104.20	5.82
6518.000	50.00	0.0	0.0	1022.00	676.40	694.26	0.0	0.34	1097.58	1646.21	3742.37	3.37
6518.000	50.00	0.0	0.0	1393.00	676.40	700.56	0.0	0.21	1000.62	1700.00	7770.84	6.30
6588.000	68.00	680.56	681.40	530.00	676.40	686.04	0.0	1.74	1304.29	1526.46	489.34	0.0
6588.000	68.00	680.56	681.40	862.00	676.40	690.94	0.0	0.55	1155.44	1580.06	2126.44	4.90
6588.000	68.00	680.56	681.40	1022.00	676.40	694.29	0.0	0.34	1092.98	1646.99	3764.10	3.36
6588.000	68.00	680.56	681.40	1393.00	676.40	700.59	0.0	0.21	1000.12	1700.00	7793.57	6.30
6648.000	100.00	0.0	0.0	530.00	677.70	685.98	0.0	3.17	1227.71	1317.43	225.22	0.0
6648.000	100.00	0.0	0.0	862.00	677.70	690.93	0.0	0.94	1077.74	1361.06	1335.22	4.95
6648.000	100.00	0.0	0.0	1022.00	677.70	694.29	0.0	0.57	1048.29	1368.24	2348.02	3.36
6648.000	100.00	0.0	0.0	1393.00	677.70	700.59	0.0	0.36	1000.00	1380.00	4575.27	6.30
6808.000	200.00	0.0	0.0	530.00	678.90	685.55	0.0	4.64	1244.61	1298.80	138.14	0.0
6808.000	200.00	0.0	0.0	862.00	678.90	690.93	0.0	1.33	1088.28	1358.59	1002.77	4.98
6808.000	200.00	0.0	0.0	1022.00	678.90	694.29	0.0	0.70	1058.82	1365.67	1971.72	3.36
6808.000	200.00	0.0	0.0	1393.00	678.90	700.59	0.0	0.41	1003.59	1379.13	4119.93	6.30
7018.000	100.00	0.0	0.0	530.00	680.00	686.03	0.0	5.52	1000.00	1390.88	139.21	0.0
7018.000	100.00	0.0	0.0	862.00	680.00	690.95	0.0	0.72	1000.00	1453.30	1643.12	4.92
7018.000	100.00	0.0	0.0	1022.00	680.00	694.30	0.0	0.37	1000.00	1509.48	3211.15	3.35
7018.000	100.00	0.0	0.0	1393.00	680.00	700.59	0.0	0.21	1000.00	1700.00	7051.02	6.29
7077.000	71.00	680.56	685.07	530.00	680.00	686.87	0.0	3.94	1000.00	1393.52	208.51	0.0
7077.000	71.00	680.56	685.07	862.00	680.00	691.01	0.0	0.70	1000.00	1453.43	1676.99	4.44
7077.000	71.00	680.56	685.07	1022.00	680.00	694.34	0.0	0.37	1000.00	1511.06	3236.19	3.33
7077.000	71.00	680.56	685.07	1393.00	680.00	700.62	0.0	0.21	1000.00	1700.00	7075.80	6.28
7077.000	131.00	0.0	0.0	530.00	682.00	686.14	686.14	10.32	1271.05	1286.79	51.38	0.0
7077.000	131.00	0.0	0.0	862.00	682.00	690.81	0.0	4.97	1180.21	1326.84	277.77	4.67
7077.000	131.00	0.0	0.0	1022.00	682.00	694.32	0.0	1.96	1085.67	1359.13	1083.47	3.51
7077.000	131.00	0.0	0.0	1393.00	682.00	700.62	0.0	0.80	1030.48	1372.58	3020.00	6.30
7318.000	110.00	0.0	0.0	530.00	683.90	687.75	687.75	10.55	1328.71	1347.08	54.61	0.0
7318.000	110.00	0.0	0.0	862.00	683.90	690.65	0.0	6.43	1275.85	1364.94	194.35	3.11
7318.000	110.00	0.0	0.0	1022.00	683.90	694.33	0.0	2.19	1168.99	1426.42	758.77	3.48
7318.000	110.00	0.0	0.0	1393.00	683.90	700.62	0.0	0.59	1067.53	1649.51	3538.32	6.30

SECHO	VLCK	ELTRD	ELLC	Q	ELMIN	CASEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
7332,000	45,00	693,10	690,90	530,00	683,90	637,76	0,0	10,50	1328,69	1347,10	54,86	0,0
7333,000	45,00	693,10	690,90	862,00	683,90	693,88	0,0	2,16	1179,65	1407,66	650,03	6,12
7333,000	45,00	693,10	690,90	1022,00	683,90	694,09	0,0	1,83	1155,72	1449,78	912,60	1,01
7363,000	45,00	693,10	690,90	1393,00	683,90	700,68	0,0	0,59	1086,53	1650,56	3570,90	5,79
7394,000	31,00	0,0	0,0	530,00	685,20	689,16	689,16	9,76	1244,61	1263,22	54,29	0,0
7394,000	31,00	0,0	0,0	862,00	685,20	693,30	0,0	3,85	1138,65	1292,81	392,61	4,64
7394,000	31,00	0,0	0,0	1022,00	685,20	694,83	0,0	3,36	1105,38	1300,75	572,56	1,03
7394,000	31,00	0,0	0,0	1393,00	685,20	700,67	0,0	1,13	1018,52	1504,04	2571,36	5,84
7424,000	30,00	0,0	0,0	530,00	686,50	692,42	692,42	8,80	1245,38	1302,82	84,43	0,0
7424,000	30,00	0,0	0,0	862,00	686,50	693,64	0,0	7,04	1214,69	1311,94	177,26	1,22
7424,000	30,00	0,0	0,0	1022,00	686,50	694,80	0,0	4,65	1177,46	1320,54	315,96	1,16
7424,000	30,00	0,0	0,0	1393,00	686,50	700,68	0,0	0,79	1057,19	1547,42	2319,66	5,88
7513,000	89,00	695,80	692,50	530,00	686,50	696,54	0,0	1,15	1123,05	1414,06	671,59	0,0
7513,000	89,00	695,80	692,50	862,00	686,50	697,20	0,0	1,43	1107,42	-434,59	874,62	0,65
7513,000	89,00	695,80	692,50	1022,00	686,50	697,46	0,0	1,53	1101,17	1442,80	962,46	0,26
7513,000	89,00	695,80	692,50	1393,00	686,50	700,77	0,0	0,77	1056,99	1551,00	2370,72	3,31
7561,000	30,00	0,0	0,0	530,00	687,30	696,53	0,0	1,97	1118,45	1297,32	496,88	0,0
7561,000	30,00	0,0	0,0	862,00	687,30	697,17	0,0	2,66	1098,35	1306,12	620,25	0,64
7561,000	30,00	0,0	0,0	1022,00	687,30	697,43	0,0	2,92	1092,25	1311,94	674,99	0,26
7561,000	30,00	0,0	0,0	1393,00	687,30	700,76	0,0	1,71	1027,53	1413,66	1689,06	3,34
7613,000	30,00	0,0	0,0	530,00	688,10	696,52	0,0	2,49	1144,33	1291,55	366,08	0,0
7613,000	30,00	0,0	0,0	862,00	688,10	697,15	0,0	3,37	1124,12	1296,06	466,04	0,63
7613,000	30,00	0,0	0,0	1022,00	688,10	697,40	0,0	3,71	1115,97	1297,88	510,75	0,25
7613,000	30,00	0,0	0,0	1393,00	688,10	700,76	0,0	2,05	1031,78	1386,30	1392,05	3,36
7651,000	70,00	0,0	0,0	388,00	690,00	696,56	0,0	4,61	1158,37	1271,76	115,54	0,0
7651,000	70,00	0,0	0,0	652,00	690,00	697,26	0,0	5,84	1160,54	1273,47	173,36	0,69
7651,000	70,00	0,0	0,0	755,00	690,00	697,54	0,0	6,29	1173,31	1274,16	200,63	0,28
7651,000	70,00	0,0	0,0	1098,00	690,00	700,79	0,0	3,13	1094,95	1282,12	676,78	3,25
7651,000	70,00	0,0	0,0	388,00	691,00	696,61	0,0	5,28	1211,12	1270,91	92,26	0,0
7651,000	70,00	0,0	0,0	652,00	691,00	697,29	0,0	6,78	1190,02	1272,56	140,90	0,68
7651,000	70,00	0,0	0,0	722,00	691,00	697,57	0,0	7,27	1182,72	1273,26	165,55	0,28
7651,000	70,00	0,0	0,0	1098,00	691,00	700,80	0,0	3,51	1039,95	1281,16	604,45	3,22
7651,000	70,00	0,0	0,0	388,00	691,00	696,60	0,0	5,46	1287,37	1359,71	105,86	0,0
7651,000	70,00	0,0	0,0	652,00	691,00	697,75	0,0	5,55	1257,93	1368,98	193,62	0,95
7651,000	70,00	0,0	0,0	722,00	691,00	698,11	0,0	5,54	1248,73	1372,50	235,65	0,36
7651,000	70,00	0,0	0,0	1098,00	691,00	700,87	0,0	2,54	1177,98	1399,69	712,64	2,76
7651,000	70,00	699,00	695,00	388,00	691,00	700,87	0,0	0,99	1165,44	1396,81	649,35	0,0
7651,000	70,00	699,00	695,00	652,00	691,00	701,09	0,0	1,40	1172,12	1404,07	764,13	0,52
7651,000	70,00	699,00	695,00	722,00	691,00	701,27	0,0	1,58	1169,77	1407,86	806,91	0,18
7651,000	70,00	699,00	695,00	1098,00	691,00	701,73	0,0	1,90	1164,04	1417,31	918,42	0,46
7651,000	70,00	0,0	0,0	388,00	691,00	700,86	0,0	1,52	1118,97	1279,34	477,43	0,0
7651,000	70,00	0,0	0,0	652,00	691,00	701,07	0,0	2,22	1105,88	1280,59	562,95	0,51
7651,000	70,00	0,0	0,0	722,00	691,00	701,24	0,0	2,55	1101,42	1281,02	593,79	0,17
7651,000	70,00	0,0	0,0	1098,00	691,00	701,70	0,0	3,13	1094,06	1282,12	676,78	0,45

SEC AC	VLCH	ELTRD	FLLC	W	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
8173,000	50,00	0,0	0,0	388,00	691,90	700,56	0,0	1,72	1129,15	1278,37	416,01	0,0
8173,000	50,00	0,0	0,0	652,00	691,90	701,07	0,0	2,48	1116,00	1279,63	496,21	0,51
8173,000	50,00	0,0	0,0	785,00	691,90	701,25	0,0	2,84	1111,48	1280,06	525,49	0,19
8173,000	50,00	0,0	0,0	1098,00	691,90	701,70	0,0	3,50	1099,92	1281,17	604,94	0,45
8359,000	196,00	0,0	0,0	354,00	695,40	700,46	700,46	10,71	1353,69	1362,96	33,04	0,0
8359,000	196,00	0,0	0,0	599,00	695,40	702,00	702,00	12,39	1353,17	1363,74	48,34	1,54
8359,000	196,00	0,0	0,0	724,00	695,40	704,09	704,09	8,63	1300,19	1380,40	126,44	2,10
8359,000	196,00	0,0	0,0	1020,00	695,40	704,85	704,85	8,71	1255,59	1388,22	207,36	0,76
8419,000	50,00	0,0	0,0	354,00	696,30	701,81	0,0	9,47	1353,54	1363,19	37,37	0,0
8419,000	50,00	0,0	0,0	599,00	696,30	703,61	702,96	10,68	1346,17	1366,12	56,94	1,79
8419,000	50,00	0,0	0,0	724,00	696,30	705,02	705,02	8,53	1298,75	1380,67	128,63	1,41
8419,000	50,00	0,0	0,0	1020,00	696,30	705,65	705,65	9,16	1262,02	1387,10	193,27	0,62
8444,000	25,00	0,0	0,0	354,00	701,90	708,55	708,55	13,02	1255,21	1265,55	36,65	0,0
8444,000	25,00	0,0	0,0	599,00	701,90	710,57	710,57	9,88	1200,92	1282,18	113,99	2,02
8444,000	25,00	0,0	0,0	724,00	701,90	710,88	710,88	9,79	1187,79	1285,34	141,46	0,31
8444,000	25,00	0,0	0,0	1020,00	701,90	711,23	711,23	11,03	1172,66	1288,92	178,68	0,35
8510,000	66,00	710,60	704,40	354,00	701,90	712,46	0,0	1,85	1118,69	1301,69	364,43	0,0
8510,000	66,00	710,60	704,40	599,00	701,90	712,95	0,0	2,43	1099,33	1308,51	458,21	0,49
8510,000	66,00	710,60	704,40	724,00	701,90	713,12	0,0	2,68	1096,91	1310,97	493,95	0,17
8510,000	66,00	710,60	704,40	1020,00	701,90	713,47	0,0	3,17	1091,67	1316,12	571,31	0,35
8535,000	25,00	0,0	0,0	354,00	703,60	712,32	0,0	4,17	1298,84	1380,66	128,51	0,0
8535,000	25,00	0,0	0,0	599,00	703,60	712,63	0,0	6,07	1277,97	1384,31	161,89	0,35
8535,000	25,00	0,0	0,0	724,00	703,60	712,72	0,0	7,17	1275,01	1384,83	167,34	0,06
8535,000	25,00	0,0	0,0	1020,00	703,60	713,06	713,06	8,71	1255,52	1388,24	207,52	0,33
8591,000	50,00	0,0	0,0	354,00	707,00	712,06	712,06	10,71	1353,69	1362,96	33,04	0,0
8591,000	50,00	0,0	0,0	599,00	707,00	713,61	713,61	12,36	1353,17	1363,74	48,34	1,55
8591,000	50,00	0,0	0,0	724,00	707,00	715,64	715,64	8,81	1302,07	1379,81	121,97	2,03
8591,000	50,00	0,0	0,0	1020,00	707,00	716,34	716,34	9,17	1262,18	1387,07	192,93	0,71
8751,000	166,00	0,0	0,0	234,00	710,80	714,84	0,0	3,38	1151,03	1205,25	67,90	0,0
8751,000	166,00	0,0	0,0	408,00	710,80	716,55	0,0	2,75	1108,10	1207,99	231,80	1,87
8751,000	166,00	0,0	0,0	502,00	710,80	717,00	0,0	2,95	1059,13	1208,66	279,37	0,46
8751,000	166,00	0,0	0,0	728,00	710,80	717,61	0,0	3,29	1094,34	1209,55	348,31	0,61
8801,000	50,00	0,0	0,0	234,00	711,00	716,75	0,0	3,58	1154,04	1205,06	80,94	0,0
8801,000	50,00	0,0	0,0	408,00	711,00	716,37	0,0	2,93	1112,12	1207,73	214,71	1,33
8801,000	50,00	0,0	0,0	502,00	711,00	717,03	0,0	3,05	1101,55	1208,40	260,83	0,46
8801,000	50,00	0,0	0,0	728,00	711,00	717,64	0,0	3,50	1095,49	1209,30	322,91	0,61
8851,000	50,00	0,0	0,0	234,00	715,40	719,09	719,09	7,25	1257,28	1299,68	45,27	0,0
8851,000	50,00	0,0	0,0	408,00	715,40	719,40	719,40	8,24	1245,61	1299,95	69,79	0,51
8851,000	50,00	0,0	0,0	502,00	715,40	719,75	719,75	9,02	1242,11	1300,04	78,56	0,15
8851,000	50,00	0,0	0,0	728,00	715,40	720,18	720,18	9,71	1232,68	1300,26	104,89	0,42
8900,000	45,00	728,40	718,40	234,00	715,40	724,02	0,0	0,52	1181,15	1411,56	547,64	0,0
8900,000	45,00	728,40	718,40	408,00	715,40	724,37	0,0	0,80	1173,25	1421,05	630,83	0,35
8900,000	45,00	728,40	718,40	502,00	715,40	724,50	0,0	0,95	1177,20	1424,49	661,88	0,13
8900,000	45,00	728,40	718,40	728,00	715,40	724,73	0,0	1,23	1174,80	1432,09	732,86	0,29

AS 8591

SECD0	VLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	CRWSP
3950.000	50.00	0.0	0.0	234.00	718.10	724.01	0.0	1.48	1104.36	1208.23	248.42	0.0
3950.000	50.00	0.0	0.0	408.00	718.10	724.34	0.0	2.29	1098.88	1208.71	283.93	0.33
3950.000	50.00	0.0	0.0	502.00	718.10	724.46	0.0	2.68	1097.95	1208.89	296.93	0.12
3950.000	50.00	0.0	0.0	728.00	718.10	724.71	0.0	3.54	1095.98	1209.25	324.78	0.25
4000.000	50.00	0.0	0.0	234.00	720.80	725.77	0.0	5.12	1171.76	1203.93	48.86	0.0
4000.000	50.00	0.0	0.0	408.00	720.80	725.98	725.98	8.10	1167.00	1204.23	56.06	0.23
4000.000	50.00	0.0	0.0	502.00	720.80	724.39	724.39	8.25	1157.62	1204.83	73.28	0.41
4000.000	50.00	0.0	0.0	728.00	720.80	725.09	725.09	8.77	1141.96	1205.85	112.26	0.70

SUMMARY OF ERRORS

- CAUTION SECNO= 400.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 400.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 400.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

- CAUTION SECNO= 1350.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1350.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

- CAUTION SECNO= 2483.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2483.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2483.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2483.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

- CAUTION SECNO= 4378.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4378.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4378.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4378.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4378.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4378.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4378.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4378.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4378.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4378.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4378.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4378.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

- CAUTION SECNO= 4568.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4568.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4568.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4568.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4568.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4568.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4568.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4568.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4568.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 4568.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 4568.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 4568.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

- CAUTION SECNO= 5767.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 5767.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 5767.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 5767.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 5767.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

8585
 771
 1528

CAUTION	SECNO= 8444.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8444.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8444.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8444.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8444.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8444.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8444.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8535.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8535.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8535.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4091.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4091.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4091.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4091.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4091.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4091.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4091.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4091.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4091.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4091.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4091.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4091.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8851.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8851.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8851.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8851.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8851.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8851.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8851.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8851.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8851.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8851.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8851.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8851.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 9000.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9000.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 9000.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 9000.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9000.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 9000.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 9000.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 9000.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 9000.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10r	20	0.20
400.000	0.	-1.1	-0.3	0.7
1356.000	950.	-1.1	-0.3	0.6
2463.000	2083.	-1.4	-0.4	0.6
2583.000	2183.	-1.7	-0.3	0.7
2644.000	2244.	-0.9	-0.2	0.4
2744.000	2344.	-0.9	-0.2	0.4
4378.000	3978.	-1.4	-0.6	0.5
4568.000	4168.	-0.6	-0.1	0.4
5767.000	5367.	-1.4	-0.4	0.5
5817.000	5417.	-2.1	-0.3	0.6
5867.000	5467.	-0.6	-0.2	0.4
5922.000	5522.	-0.9	-0.2	0.4
5972.000	5572.	-0.9	-0.2	0.4
6022.000	5622.	-0.9	-0.2	0.4
6037.000	5637.	-0.9	-0.2	0.4
6057.000	5687.	-0.9	-0.2	0.4
6137.000	5737.	-0.9	-0.2	0.4
6249.000	5849.	-9.2	-3.4	6.3
6299.000	5899.	-9.2	-3.4	6.3
6316.000	5916.	-9.2	-3.4	6.3
6416.000	6016.	-9.2	-3.4	6.3
6466.000	6066.	-9.2	-3.4	6.3
6516.000	6116.	-9.2	-3.4	6.3
6596.000	6166.	-8.3	-3.4	6.3
6636.000	6286.	-8.3	-3.4	6.3
6686.000	6386.	-8.3	-3.4	6.3
7006.000	6586.	-8.2	-3.4	6.3
7077.000	6657.	-7.7	-3.3	6.3
7077.000	6789.	-6.9	-3.5	6.3
7117.000	6898.	-6.2	-3.5	6.3
7363.000	6943.	-7.1	-1.0	5.8
7394.000	6974.	-5.7	-1.0	5.8
7424.000	7004.	-2.4	-1.2	5.9
7516.000	7096.	-0.4	-0.3	3.3
7566.000	7146.	-0.6	-0.3	3.3
7616.000	7196.	-0.6	-0.3	3.4
7667.000	7367.	-1.4	-0.3	3.3
8033.000	7613.	-1.4	-0.3	3.2
8084.000	7636.	-1.4	-0.4	2.8
8094.000	7678.	-0.7	-0.2	0.5
8123.000	7703.	-0.7	-0.2	0.5
8173.000	7753.	-0.7	-0.2	0.5
8560.000	7949.	-3.6	-2.1	0.3
8419.000	7999.	-3.8	-1.4	0.6
8444.000	8024.	-2.7	-0.3	0.3
8516.000	8090.	-0.7	-0.2	0.4
8535.000	8115.	-0.6	-0.1	0.3
8091.000	8165.	-3.4	-2.0	0.7
8731.000	8351.	-2.2	-0.5	0.6
8801.000	8381.	-2.3	-0.5	0.6

8851,000	8431.	-0.7	-0.2	0.4
8900,000	8480.	-0.8	-0.1	0.3
8950,000	8530.	-0.8	-0.1	0.2
9000,000	8580.	-0.8	-0.4	0.7

WEIGHTED AVG FOR REACH: -2.3 -0.8 1.5

FHF FOR THE REACH = 0.25 WITH 30.2% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 5

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

LOC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		100	1E	DIFF.			
	0.					SEC. 400,000	
1	100.	622.1	623.2	-1.1	-1.1	010	100.
2	200.	623.4	624.4	-1.1	-1.1	010	100.
3	300.	624.4	625.9	-1.1	-1.1	010	100.
4	400.	626.2	627.3	-1.1	-1.1	010	100.
5	500.	627.6	628.7	-1.1	-1.1	010	100.
6	600.	628.9	630.0	-1.1	-1.1	010	100.
7	700.	630.3	631.4	-1.1	-1.1	010	100.
8	800.	631.7	632.8	-1.1	-1.1	010	100.
9	900.	633.0	634.1	-1.1	-1.1	010	100.
	950.					SEC. 1350,000	
10	1000.	634.3	635.4	-1.1	-1.1	010	100.
11	1100.	635.3	636.4	-1.1	-1.1	010	100.
12	1200.	636.3	637.4	-1.2	-1.1	010	100.
13	1300.	637.2	638.4	-1.2	-1.1	010	100.
14	1400.	638.1	639.4	-1.2	-1.1	010	100.
15	1500.	639.1	640.3	-1.2	-1.1	010	100.
16	1600.	640.0	641.2	-1.3	-1.1	010	100.
17	1700.	641.0	642.0	-1.3	-1.1	010	100.
18	1800.	641.9	643.0	-1.3	-1.2	010	100.
19	1900.	642.8	644.0	-1.3	-1.2	010	100.
20	2000.	643.8	645.1	-1.4	-1.2	010	100.
	2083.					SEC. 2403,000	
21	2100.	644.7	646.1	-1.4	-1.2	010	100.
	2183.					SEC. 2503,000	
22	2200.	645.6	648.0	-1.4	-1.2	010	100.
	2244.					SEC. 2644,000	
23	2300.	650.7	651.8	-1.2	-1.2	010	100.
	2344.					SEC. 2744,000	
24	2400.	653.4	654.3	-0.9	-1.2	010	100.
25	2500.	653.6	654.4	-0.9	-1.2	010	100.
26	2600.	653.9	654.0	-0.9	-1.2	010	100.
27	2700.	654.2	655.0	-1.0	-1.2	010	100.
28	2800.	654.5	655.4	-1.1	-1.2	010	100.
29	2900.	654.7	655.9	-1.2	-1.2	010	100.
30	3000.	655.0	656.2	-1.2	-1.2	010	100.
31	3100.	655.2	656.4	-1.3	-1.2	010	100.
32	3200.	655.5	656.7	-1.3	-1.2	010	100.
33	3300.	656.0	657.2	-1.4	-1.2	010	100.
34	3400.	656.1	657.5	-1.4	-1.2	010	100.
35	3500.	656.3	657.7	-1.4	-1.2	010	100.
36	3600.	656.6	658.0	-1.4	-1.2	010	100.
37	3700.	656.9	658.8	-1.7	-1.2	010	100.
38	3800.	657.2	658.5	-1.7	-1.2	010	100.
39	3900.	657.4	659.2	-1.8	-1.2	010	97.

	3978.				SEC.	4378.000	
40	4000.	658.1	659.4	-1.3	-1.3	015	98.
41	4100.	660.3	661.7	-1.4	-1.3	015	98.
	4165.				SEC.	4568.000	
42	4200.	663.4	664.2	-0.8	-1.3	015	98.
43	4300.	665.0	665.4	-0.4	-1.2	010	93.
44	4400.	666.7	666.8	-0.1	-1.2	010	91.
45	4500.	666.4	667.2	-0.8	-1.2	010	93.
46	4600.	667.0	667.9	-0.9	-1.2	010	91.
47	4700.	667.7	668.7	-1.0	-1.2	010	91.
48	4800.	668.4	669.5	-1.1	-1.2	010	92.
49	4900.	669.1	670.2	-1.1	-1.2	010	92.
50	5000.	669.9	671.0	-1.2	-1.2	010	92.
51	5100.	670.2	671.8	-1.3	-1.2	010	92.
52	5200.	671.1	672.5	-1.4	-1.2	010	92.
53	5300.	671.8	673.3	-1.5	-1.2	010	94.
	5367.				SEC.	5767.000	
54	5400.	672.8	674.2	-1.7	-1.2	010	95.
	5417.				SEC.	5817.000	
	5467.				SEC.	5867.000	
55	5500.	676.4	679.2	-0.7	-1.2	010	95.
	5522.				SEC.	5922.000	
	5572.				SEC.	5972.000	
56	5600.	681.2	682.9	-0.9	-1.2	010	91.
	5622.				SEC.	6022.000	
	5637.				SEC.	6037.000	
	5697.				SEC.	6097.000	
57	5700.	681.9	682.8	-0.9	-1.2	010	91.
	5737.				SEC.	6137.000	
58	5800.	682.4	686.0	-3.2	-1.2	010	90.
	5849.				SEC.	6249.000	
	5899.				SEC.	6299.000	
59	5900.	685.1	694.3	-9.2	-1.4	015	88.
	5915.				SEC.	6315.000	
60	6000.	685.1	694.3	-9.2	-1.5	015	78.
	6015.				SEC.	6415.000	
	6065.				SEC.	6465.000	
61	6100.	685.1	694.3	-9.2	-1.6	015	51.
	6115.				SEC.	6515.000	
	6165.				SEC.	6565.000	
62	6200.	686.2	694.3	-8.3	-1.7	015	35.
	6265.				SEC.	6665.000	
63	6300.	686.0	694.3	-8.3	-1.6	020	25.
64	6400.	686.0	694.3	-8.3	-1.9	020	16.
	6465.				SEC.	6965.000	
65	6500.	686.0	694.3	-8.3	-2.0	020	69.
	6565.				SEC.	7065.000	
66	6600.	686.2	694.3	-8.3	-2.1	020	47.
	6657.				SEC.	7077.000	
67	6700.	686.3	694.3	-8.0	-2.2	020	37.
	6737.				SEC.	7077.000	
68	6800.	686.4	694.3	-8.0	-2.3	025	29.
	6899.				SEC.	7315.000	
69	6900.	687.0	694.3	-7.3	-2.4	025	20.
	6945.				SEC.	7363.000	
	6974.				SEC.	7394.000	
70	7000.	690.6	694.3	-4.2	-2.4	025	17.
	7004.				SEC.	7424.000	
	7093.				SEC.	7513.000	
71	7100.	696.5	697.5	-0.9	-2.4	025	20.
	7143.				SEC.	7563.000	
	7193.				SEC.	7613.000	
72	7200.	696.5	697.4	-0.9	-2.4	025	19.
73	7300.	696.5	697.0	-0.9	-2.3	025	23.
74	7400.	696.5	697.5	-0.9	-2.3	025	24.
75	7500.	696.5	697.5	-0.9	-2.3	025	27.

	7563.					SEC.	7983,000	
76	7600.	696.5	697.5	-1.0	-2.3	025	28.	
	7613.					SEC.	8033,000	
	7638.					SEC.	8058,000	
	7673.					SEC.	8098,000	
77	7700.	700.6	701.2	-0.7	-2.3	025	29.	
	7737.					SEC.	8123,000	
	7753.					SEC.	8173,000	
78	7800.	700.5	701.6	-1.0	-2.3	025	29.	
79	7900.	700.5	702.7	-2.1	-2.2	020	30.	
	7945.					SEC.	8369,000	
	7999.					SEC.	8419,000	
80	8000.	701.9	705.1	-3.2	-2.3	025	30.	
	8024.					SEC.	8440,000	
	8090.					SEC.	8510,000	
81	8100.	712.4	713.0	-0.6	-2.2	020	30.	
	8116.					SEC.	8535,000	
	8165.					SEC.	4091,000	
82	8200.	712.3	715.0	-3.4	-2.3	025	29.	
83	8300.	713.4	716.3	-2.9	-2.2	025	30.	
	8331.					SEC.	8751,000	
	8381.					SEC.	8801,000	
84	8400.	715.6	717.8	-2.0	-2.3	025	31.	
	8431.					SEC.	8851,000	
	8480.					SEC.	8900,000	
85	8500.	724.0	724.5	-0.5	-2.2	020	31.	
	8530.					SEC.	8950,000	
	8580.					SEC.	9000,000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 20X WHERE X IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 59 85
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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

EU