

# STROUDS CREEK

CR

NO  
 T2 8  
 T3 1  
 J3  
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X1	1325,000	17,000	210,000	1810,000	173,000	71,000	75,000	0,000	70,000	0,000
GR	510,000	282,000	100,000	982,000	490,000	950,000	400,000	450,000	400,000	100,000
GR	400,000	1000,000	400,000	1010,000	400,000	1010,000	400,000	1020,000	400,000	1020,000
GR	400,000	1030,000	400,000	1030,000	400,000	1040,000	400,000	1040,000	400,000	1120,000
GR	500,000	1320,000	510,000	1500,000	0,000	0,000	0,000	0,000	0,000	0,000

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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11

STROUDS CR.

C  
 T1 ORANGE COUNTY FLA STUDY  
 T2 STROUDS CREEK  
 T3 10-YR FLOOD MAR 1978 MLJ

J1 ICHECK IND MINV IDIR STRI METRIC HVINS 0 WSEL EQ  
 0. 2. 0. 0. 0.001900 0.00 0.0 0. 481,300 0.000

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACC  
 1.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT  
 38.000 1.000 3.000 42.000 41.000 4.000 0.000 38.000 1.000 13.000

14.000 15.000 55.000 25.000 36.000 0.000 150.000 201.000 0.000 0.000

NC 0.100 0.100 0.050 0.100 0.300 0.000 0.000 0.000 0.000 0.000  
 OT 5.000 4490.000 5800.000 6540.000 8870.000 6540.000 0.000 0.000 0.000 0.000

END RIVER VALLEY SECTION

X1	137400.000	15.000	1000.000	1068.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	500.000	625.000	494.000	750.000	480.000	930.000	478.200	1040.000	472.800	1004.000
GR	470.900	1014.000	470.400	1024.000	469.800	1034.000	469.100	1044.000	469.400	1054.000
GR	470.700	1063.000	476.500	1068.000	480.000	1160.000	490.000	1260.000	500.000	1700.000
NC	0.120	0.120	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	5.000	1550.000	2850.000	3600.000	5930.000	3600.000	0.000	0.000	0.000	0.000

USR-1 VALLEY

X1	210.000	15.000	1000.000	1025.000	240.000	240.000	240.000	0.000	0.000	0.000
GR	500.100	885.000	494.500	908.000	495.000	919.000	495.200	934.000	479.900	985.000
GR	479.300	1000.000	474.400	1005.000	473.500	1013.000	474.400	1021.000	476.500	1025.000
GR	476.500	1065.000	461.800	1165.000	484.300	1285.000	492.400	1385.000	499.400	1451.000

X1	1250.000	11.000	1000.000	1040.000	1040.000	1040.000	1040.000	0.000	0.000	0.000
GR	510.000	500.000	500.000	860.000	490.000	950.000	486.500	1000.000	483.000	1005.000
GR	461.600	1020.000	483.000	1035.000	486.500	1040.000	490.000	1120.000	500.000	1320.000
GR	510.000	1500.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1325.000	17.000	998.000	1048.000	75.000	75.000	75.000	0.000	0.000	0.000
GR	510.000	500.000	500.000	860.000	490.000	950.000	486.700	998.000	484.900	1005.000
GR	463.700	1008.000	482.900	1013.000	482.600	1018.000	483.200	1023.000	482.300	1028.000
GR	482.400	1033.000	482.600	1038.000	483.000	1043.000	485.300	1048.000	490.000	1120.000
GR	500.000	1320.000	510.000	1500.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1326.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	492.500	491.500	0.000
SB	1.250	1.500	2.800	0.000	44.400	3.000	396.000	0.410	483.100	483.000

OSR-2 ST. MARYS RD (SR 1002)

X1	1355.000	17.000	998.000	1048.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	491.900	492.800	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	494.500	493.500	0.000
BT	13.000	627.000	308.600	0.000	727.000	505.300	0.000	827.000	500.500	0.000
BT	927.000	495.700	0.000	998.000	494.000	491.700	1048.000	493.900	491.700	1127.000
BT	492.600	0.000	1227.000	494.100	0.000	1327.000	495.600	0.000	1427.000	497.900
BT	0.000	1527.000	500.900	0.000	1627.000	504.700	0.000	1727.000	508.800	0.000
GR	510.000	700.000	500.000	820.000	490.000	940.000	486.700	998.000	484.900	1003.000
GR	483.700	1008.000	482.900	1013.000	482.600	1018.000	485.200	1023.000	482.300	1028.000
GR	482.400	1033.000	482.600	1038.000	483.000	1043.000	485.300	1048.000	490.000	1080.000
GR	500.000	1450.000	510.000	1670.000	0.000	1770.000	0.000	0.000	0.000	0.000

X1	1356.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
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OSR-3 VALLEY

X1	1550.000	14.000	1000.000	1043.000	195.000	195.000	195.000	0.000	0.000	0.000
GR	509.300	658.000	492.300	758.000	489.900	858.000	488.300	958.000	488.400	1000.000
GR	483.900	1004.000	483.400	1015.000	482.900	1033.000	488.000	1043.000	488.000	1058.000
GR	491.200	1158.000	498.600	1258.000	504.300	1358.000	509.800	1423.000	50.000	0.000
X1	1900.000	9.000	1000.000	1040.000	350.000	350.000	350.000	0.000	0.000	0.000
GR	500.000	600.000	490.000	900.000	489.500	1000.000	486.000	1010.000	484.500	1020.000
GR	486.000	1030.000	489.500	1040.000	490.000	1140.000	500.000	1370.000	0.000	0.000

X1	2400.000	13.000	1000.000	1036.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	520.000	600.000	510.000	720.000	500.000	890.000	493.000	950.000	492.000	1000.000
GR	488.000	1005.000	486.000	1018.000	488.000	1030.000	492.000	1036.000	493.000	1090.000
GR	500.000	1170.000	510.000	1390.000	520.000	1420.000	0.000	0.000	0.000	0.000

OSR-4 VALLEY

X1	3160.000	12.000	1000.000	1031.000	780.000	780.000	780.000	0.000	0.000	0.000
GR	519.100	791.000	507.200	891.000	495.900	969.000	495.900	991.000	495.200	1000.000
GR	491.400	1004.000	490.300	1016.000	492.000	1029.000	494.900	1031.000	494.600	1047.000
GR	509.700	1091.000	516.100	1106.000	0.000	0.000	0.000	0.000	0.000	0.000
DT	5.000	1410.000	2610.000	3290.000	5430.000	3290.000	0.000	0.000	0.000	0.000

OSR-5 VALLEY

X1	4970.000	10.000	1000.000	1036.000	1810.000	1810.000	1810.000	0.000	0.000	0.000
GR	524.300	727.000	518.900	827.000	508.400	927.000	504.100	1000.000	500.600	1003.000
GR	500.300	1013.000	500.600	1023.000	500.900	1027.000	503.500	1036.000	524.700	1124.000
DT	5.000	1240.000	2300.000	2910.000	4610.000	2910.000	0.000	0.000	0.000	0.000
X1	4100.000	10.000	1000.000	1030.000	4110.000	4110.000	4110.000	0.000	0.000	0.000
GR	540.000	750.000	530.000	870.000	520.000	910.000	519.500	1000.000	515.000	1005.000
GR	514.400	1015.000	516.000	1025.000	519.500	1030.000	530.000	1380.000	540.000	1510.000

	540,000	750,000	530,000	870,000	520,000	970,000	521,800	990,000	520,500	1000,000
GR	518,200	1005,000	516,600	1010,000	515,100	1015,000	514,700	1020,000	516,200	1025,000
GR	518,700	1030,000	521,300	1035,000	523,000	1042,000	526,000	1050,000	530,000	1380,000
GR	540,000	1510,000	500,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	9151,000	0,000	0,000	0,000	1,000	1,000	1,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	527,000	527,000	0,000
SB	1,050	1,500	2,900	0,000	15,000	2,000	391,000	2,000	515,600	515,500

OSR-6 MILLER RD (SR 1555)

X1	9170,000	14,000	990,000	1042,000	20,000	20,000	20,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	526,600	527,500	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	528,500	528,500	0,000
BT	13,000	748,000	541,300	0,000	848,000	532,200	0,000	898,000	523,100	0,000
BT	948,000	527,800	0,000	990,000	528,100	526,600	1042,000	528,100	526,600	1048,000
BT	528,100	0,000	1096,000	527,500	0,000	1148,000	527,500	0,000	1246,000	528,500
BT	0,000	5438,000	531,800	0,000	1448,000	535,300	0,000	1548,000	541,300	0,000
GR	540,000	770,000	530,000	880,000	520,000	990,000	520,500	1000,000	518,200	1005,000
GR	516,600	1010,000	515,100	1015,000	514,700	1020,000	516,200	1025,000	518,700	1030,000
GR	523,000	1042,000	520,000	1050,000	530,000	1280,000	540,000	1560,000	0,000	0,000

X1	9171,000	0,000	0,000	0,000	1,000	1,000	1,000	0,000	0,000	0,000
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OSR-7 VALLEY

X1	9340,000	11,000	1000,000	1029,000	170,000	170,000	170,000	0,000	0,000	0,000
GR	542,400	815,000	528,100	915,000	521,000	970,000	521,500	1000,000	516,200	1002,000
GR	516,100	1011,000	516,500	1020,000	521,000	1029,000	522,700	1061,000	525,300	1115,000
GR	530,000	1215,000	538,400	1315,000	542,000	1348,000	0,000	0,000	0,000	0,000

X1	9900,000	11,000	1000,000	1026,000	560,000	560,000	560,000	0,000	0,000	0,000
GR	540,000	860,000	530,000	920,000	523,000	970,000	522,500	1000,000	519,500	1004,000
GR	518,800	1013,000	519,500	1021,000	522,500	1026,000	523,000	1050,000	530,000	1130,000
GR	540,000	1170,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	5,000	960,000	1795,000	2270,000	3780,000	2270,000	0,000	0,000	0,000	0,000

OSR-8 VALLEY

X1	10500,000	11,000	1000,000	1022,000	600,000	600,000	600,000	0,000	0,000	0,000
GR	545,800	735,000	529,100	835,000	527,000	864,000	525,500	935,000	524,700	1000,000
GR	521,900	1003,000	521,700	1011,000	522,100	1019,000	524,500	1022,000	526,000	1035,000
GR	546,800	1079,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	10900,000	10,000	1000,000	1023,000	400,000	400,000	400,000	0,000	0,000	0,000
GR	540,000	870,000	530,000	970,000	527,000	1000,000	524,500	1003,000	523,900	1012,000
GR	528,500	1020,000	527,000	1025,000	528,500	1125,000	530,000	1130,000	540,000	1160,000

X1	11650,000	11,000	1000,000	1024,000	750,000	750,000	750,000	0,000	0,000	0,000
GR	550,000	850,000	540,000	920,000	532,000	965,000	531,000	1000,000	529,000	1003,000
GR	526,000	1012,000	529,000	1021,000	531,000	1024,000	532,000	1060,000	540,000	1100,000
GR	550,000	1170,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

X1	12900,000	11,000	1000,000	1027,000	1250,000	1250,000	1250,000	0,000	0,000	0,000
GR	560,000	850,000	550,000	910,000	540,000	940,000	538,500	950,000	538,000	1000,000
GR	535,500	1003,000	534,800	1013,000	535,500	1023,000	538,000	1027,000	550,000	1080,000

X1	13500.000	13.000	1000.000	1030.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	570.000	700.000	560.000	860.000	550.000	920.000	542.000	970.000	541.500	1000.000
GR	539.000	1005.000	538.100	1015.000	539.000	1025.000	541.500	1030.000	543.000	1150.000
GR	550.000	1150.000	550.000	1200.000	570.000	1400.000	0.000	0.000	0.000	0.000
X1	13720.000	15.000	1000.000	1030.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	570.000	700.000	560.000	860.000	550.000	920.000	543.000	970.000	543.700	1000.000
GR	541.000	1005.000	539.500	1010.000	539.300	1015.000	539.800	1020.000	540.000	1025.000
GR	541.500	1030.000	544.000	1150.000	550.000	1100.000	560.000	1200.000	570.000	1400.000
X1	13721.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	549.500	549.000	0.000
SB	1.000	1.500	2.900	0.000	27.000	0.100	242.000	0.260	540.100	540.000
08R-9 BURKE RD (SR 1555)										
X1	13740.000	19.000	1000.000	1030.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	548.300	549.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	551.500	550.500	0.000
BT	13.000	692.000	562.300	0.000	792.000	555.800	0.000	892.000	551.500	0.000
BT	992.000	550.500	0.000	1000.000	550.500	548.300	1030.000	550.500	548.300	1092.000
BT	549.400	0.000	1192.000	549.500	0.000	1292.000	550.100	0.000	1392.000	551.800
BT	0.000	1492.000	554.700	0.000	1592.000	559.100	170.000	1664.000	562.300	0.000
GR	565.200	675.000	559.800	765.000	557.800	784.000	553.500	807.000	547.500	875.000
GR	543.000	975.000	543.700	1000.000	541.100	1005.000	539.600	1010.000	539.400	1015.000
GR	539.900	1020.000	540.100	1025.000	541.500	1030.000	543.600	1075.000	544.400	1175.000
GR	546.900	1231.000	551.200	1275.000	563.700	1375.000	565.700	1410.000	0.000	0.000
X1	13741.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
08R-10 VALLEY										
X1	13860.000	17.000	1000.000	1029.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	565.700	675.000	560.300	765.000	558.300	784.000	554.000	807.000	548.000	875.000
GR	543.500	975.000	543.700	1000.000	540.800	1004.000	540.200	1013.000	541.300	1023.000
GR	543.500	1029.000	544.100	1075.000	544.900	1175.000	546.900	1231.000	551.700	1275.000
GR	564.200	1375.000	566.200	1410.000	0.000	0.000	0.000	0.000	0.000	0.000
UT	5.000	840.000	1575.000	2000.000	3340.000	2000.000	0.000	0.000	0.000	0.000
X1	14200.000	10.000	1000.000	1028.000	340.000	340.000	340.000	0.000	0.000	0.000
GR	560.000	930.000	550.000	970.000	546.500	1000.000	544.000	1003.000	543.400	1014.000
GR	544.000	1025.000	546.500	1028.000	547.000	1120.000	550.000	1130.000	560.000	1160.000
X1	14560.000	11.000	1000.000	1027.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	570.000	850.000	560.000	925.000	550.000	975.000	549.000	1000.000	547.000	1003.000
GR	546.300	1013.000	547.000	1023.000	549.000	1027.000	550.000	1050.000	560.000	1125.000
GR	570.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	15000.000	12.000	1000.000	1024.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	580.000	800.000	570.000	900.000	560.000	970.000	554.000	1000.000	552.000	1004.000
GR	551.200	1012.000	552.000	1020.000	554.000	1024.000	555.000	1050.000	560.000	1130.000
GR	570.000	1240.000	560.000	1360.000	0.000	0.000	0.000	0.000	0.000	0.000
UT	5.000	820.000	1170.000	1490.000	2500.000	1490.000	0.000	0.000	0.000	0.000

	1095.000	11.000	1000.000	1021.000	1486.000	1400.000	1460.000	0.000	0.000	0.000
GR	590.000	880.000	580.000	940.000	570.000	970.000	567.500	1000.000	565.500	1003.000
GR	564.600	1010.000	565.500	1017.000	567.500	1021.000	570.000	1060.000	580.000	1110.000
GR	590.000	1180.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	1685.000	10.000	1000.000	1021.000	85.000	85.000	85.000	0.000	0.000	0.000
GR	590.000	880.000	580.000	940.000	570.000	970.000	567.500	1000.000	565.500	1000.000
GR	565.500	1021.000	567.500	1021.000	570.000	1060.000	580.000	1110.000	590.000	1180.000

X1	16486.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	575.000	575.000	0.000
SB	1.250	1.300	3.000	0.000	21.000	0.500	164.000	0.000	565.900	565.500

DSR-11 NC HNY 57

X1	10.000	0.000	0.000	0.000	45.000	45.000	45.000	0.000	0.400	0.000
X2	0.000	0.000	1.000	573.500	578.300	0.000	0.000	0.000	0.000	0.000
BT	13.000	572.000	588.900	0.000	672.000	586.600	0.000	772.000	584.400	0.000
BT	872.000	582.000	0.000	972.000	580.000	0.000	1000.000	579.700	573.500	1021.000
BT	579.300	573.500	1072.000	578.700	0.000	1172.000	578.300	0.000	1272.000	578.700
BT	0.000	1372.000	580.000	0.000	1472.000	581.900	0.000	1672.000	585.700	0.000

DSR-12 VALLEY

X1	16700.000	12.000	1000.000	1019.000	170.000	170.000	170.000	0.000	0.000	0.000
GR	589.700	654.000	587.500	754.000	578.800	854.000	576.400	954.000	568.200	1000.000
GR	566.700	1003.000	566.700	1009.000	566.500	1016.000	568.000	1019.000	576.100	1054.000
GR	586.600	1154.000	589.600	1163.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	5.000	575.000	1085.000	1380.000	2330.000	1380.000	0.000	0.000	0.000	0.000

X1	16920.000	13.000	1000.000	1019.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	600.000	350.000	590.000	850.000	580.000	950.000	572.000	970.000	570.000	1000.000
GR	569.000	1003.000	568.300	1009.000	569.000	1015.000	570.000	1019.000	572.000	1045.000
GR	580.000	1060.000	590.000	1160.000	600.000	1240.000	0.000	0.000	0.000	0.000

X1	17400.000	11.000	1000.000	1018.000	480.000	480.000	480.000	0.000	0.000	0.000
GR	595.000	800.000	590.000	880.000	580.000	930.000	574.500	1000.000	573.000	1003.000
GR	572.200	1009.000	573.000	1015.000	574.500	1018.000	580.000	1080.000	590.000	1140.000
GR	600.000	1190.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	18550.000	11.000	1000.000	1018.000	1150.000	1150.000	1150.000	0.000	0.000	0.000
GR	610.000	800.000	600.000	850.000	590.000	920.000	584.500	1000.000	582.500	1003.000
GR	581.500	1009.000	582.500	1015.000	584.500	1018.000	590.000	1070.000	600.000	1130.000
GR	610.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

DSR-13 VALLEY

X1	17640.000	13.000	1000.000	1017.000	1090.000	1090.000	1090.000	0.000	0.000	0.000
GR	616.200	553.000	604.800	653.000	604.900	753.000	600.400	853.000	593.100	953.000
GR	593.600	1000.000	590.800	1003.000	590.400	1008.000	590.300	1013.000	593.700	1017.000
GR	598.000	1053.000	611.100	1153.000	612.600	1168.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

REC'D RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR - 50,51,52,53

MODIFICATION - 50,51,52,53

T1 ORANGE COUNTY FIA STUDY

T2 STROUDS CREEK

T3 50 YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRI	METRIC	HVINS	U	WSEL	ED
	-10.	5.	0.	0.	0.001900	0.00	0.00	0.	482.200	0.000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 2.00

CCHV= 0.100 CEHV= 0.300

\*SECNO 137400.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OCLOSS	BANK ELEV
Q	QLOB	QCH	QRDB	ALDB	ACH	CAJOB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRDB	XNL	XNCH	YR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST

END RIVER VALLEY SECTION

137400.00	13.10	482.20	0.00	482.20	482.72	0.52	0.00	0.00	478.20
5000.	323.	4868.	609.	248.	776.	388.	0.	0.	476.50
0.00	1.50	6.27	1.57	0.100	0.050	0.100	0.000	469.10	901.71
0.001929	0.	0.	0.	0	0	0	0.00	280.29	1182.00

\*SECNO 210.000

OSK-1 VALLEY

210.00	9.48	482.98	0.00	0.00	483.33	0.35	0.60	0.02	479.30
2850.	116.	1347.	1387.	67.	205.	641.	6.	1.	476.50
0.02	1.74	6.56	2.16	0.120	0.060	0.120	0.060	473.50	974.71
0.004826	240.	240.	240.	2	0	0	0.00	257.78	1232.49

\*SECNO 1250.000

3301 HV CHANGED MORE THAN HVINS

1250.00	8.16	489.76	0.00	0.00	490.89	1.13	7.52	0.23	486.50
2850.	137.	2493.	220.	76.	274.	121.	23.	6.	486.50
0.05	1.81	9.11	1.81	0.120	0.060	0.120	0.060	481.60	953.48
0.011218	1040.	1040.	1040.	3	0	0	0.00	160.96	1114.44

\*SECNO 1325.000

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR = 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 ORANGE COUNTY FIA STUDY  
 T2 STROUDS CREEK  
 T3 100 YEAR FLOOD

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	U	WSEL	FU
	-10.	9.	0.	0.	0.001900	0.00	0.0	0.	482.900	0.0000
J2	NPROP	IPL01	PRFVS	XSECV	XSECH	FN	ALLUC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 3  
 CCHVE = 0.100 CERVE = 0.500  
 \*SECNO 137400.000

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	GLUSS	BANK ELEV
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	MTN	ELMIN	SSTA
SLOPE	XL0BL	XLCH	XL0BK	ITRIAL	IDC	ICONT	CORAK	TOPWID	ENDST

END RIVER VALLEY SECTION

137400.00	15.80	482.90	0.00	482.90	483.42	0.52	0.00	0.00	478.20
6540.	460.	5282.	798.	520.	624.	470.	0.	0.	476.50
0.00	1.44	6.41	1.70	0.100	0.050	0.100	0.000	469.10	892.71
0.001863	0.	0.	0.	0	0	0	0.00	296.29	1189.00

\*SECNO 210.000

OSR-1 VALLEY

210.00	10.15	483.65	0.00	0.00	484.04	0.39	0.60	0.01	479.30
3600.	167.	1570.	1863.	84.	222.	790.	7.	2.	476.50
0.02	1.98	7.07	2.36	0.120	0.060	0.120	0.060	473.50	972.47
0.005046	240.	240.	240.	2	0	0	0.00	286.93	1259.39

\*SECNO 1250.000

5301 HV CHANGED MORE THAN HVINS

1250.00	8.93	490.53	0.00	0.00	491.72	1.19	7.44	0.24	486.50
3600.	255.	2936.	409.	115.	305.	185.	28.	7.	486.50
0.05	2.22	9.64	2.21	0.120	0.060	0.120	0.060	481.60	945.25
0.010904	1040.	1040.	1040.	3	0	0	0.00	185.29	1130.54

\*SECNO 1325.000



\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 101,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 ORANGE COUNTY FIA STUDY  
 T2 STROUDS CREEK  
 T3 500 YEAR FLOOD

J1	ICHECK	IND	NINV	IDIR	STRT	MEIRIC	HVINS	U	WSEL	FD
	-10.	5.	0.	7.	0.001900	0.00	0.0	0.	484.600	0.000

J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	TBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PRDF 4  
 CCHV= 0.100 CEHV= 0.300  
 \*SECNO 137400.000

SECNO	DEPTH	CWSLL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	KLOBL	XLCH	XLOBR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENOST

END RIVER VALLEY SECTION

137400.00	15.42	484.52	0.00	484.60	485.10	0.59	0.00	0.00	478.20
8870.	904.	6582.	1384.	510.	934.	678.	0.	0.	476.50
0.00	1.77	7.05	2.04	0.100	0.050	0.100	0.000	469.10	871.94
0.001900	0.	0.	0.	0	0	3	0.00	353.22	1205.16

\*SECNO 210.000

USR-1 VALLEY

210.00	11.81	485.51	0.00	0.00	485.77	0.45	0.65	0.01	479.50
5930.	333.	2156.	3441.	135.	264.	1219.	10.	2.	476.50
0.01	2.47	8.18	2.82	0.120	0.060	0.120	0.060	473.50	466.90
0.005380	240.	240.	240.	2	0	0	0.00	350.00	1297.56

\*SECNO 1250.000

3301 HV CHANGED MORE THAN HVINS

1250.00	10.72	492.32	0.00	0.00	493.64	1.32	7.01	0.26	486.50
5930.	693.	4107.	1131.	228.	376.	380.	41.	9.	486.50
0.05	3.04	10.91	2.98	0.120	0.060	0.120	0.060	481.60	929.11
0.010542	1040.	1040.	1040.	3	0	0	0.00	257.30	1166.41

\*SECNO 1325.000

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

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

FLOOD MAR 1978 HLJ

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
137400.000	481.00	481.47	469.10	0.00	252.86
137400.000	482.20	482.72	469.10	0.00	280.29
137400.000	482.90	483.42	469.10	0.00	296.29
137400.000	484.52	485.10	469.10	0.00	333.22
210.000	481.00	482.02	473.50	0.00	206.40
210.000	482.98	483.33	473.50	0.00	257.78
210.000	483.65	484.04	473.50	0.00	286.93
210.000	485.31	485.77	473.50	0.00	330.64
1250.000	487.59	488.61	481.60	0.00	80.37
1250.000	489.76	490.89	481.60	0.00	160.96
1250.000	490.53	491.72	481.60	0.00	185.29
1250.000	492.32	493.64	481.60	0.00	237.30
1325.000	488.87	489.24	482.30	0.00	136.33
1325.000	490.99	491.42	482.30	0.00	198.69
1325.000	491.77	492.25	482.30	0.00	221.32
1325.000	493.57	494.21	482.30	0.00	273.51
1326.000	488.78	489.28	482.30	0.00	50.00
1326.000	490.63	491.58	482.30	0.00	50.00
1326.000	491.67	492.30	482.30	0.00	155.36
1326.000	493.58	494.21	482.30	0.00	273.73
1355.000	488.90	489.34	482.30	491.90	50.00
1355.000	490.92	491.80	482.30	491.90	50.00
1355.000	492.57	493.52	482.30	491.90	50.00
1355.000	495.21	495.61	482.30	491.90	395.59
1356.000	489.02	489.40	482.30	0.00	116.12
1356.000	491.42	491.85	482.30	0.00	209.96
1356.000	493.27	493.59	482.30	0.00	300.40
1356.000	495.22	495.61	482.30	0.00	395.63
1550.000	484.42	490.24	482.90	0.00	260.43
1550.000	492.22	492.45	482.90	0.00	410.71
1550.000	493.81	493.45	482.90	0.00	444.17
1550.000	495.85	495.99	482.90	0.00	483.63

SECNO      CWSEL      EG      ELMIN      ELLC      TOPRID

1900.000	491.55	491.92	484.50	0.00	329.05
1900.000	493.27	493.48	484.50	0.00	413.46
1900.000	494.43	494.59	484.50	0.00	475.45
1900.000	496.42	496.58	484.50	0.00	580.21
2400.000	494.13	494.63	486.80	0.00	162.54
2400.000	495.43	496.17	486.80	0.00	188.63
2400.000	496.00	496.86	486.80	0.00	200.07
2400.000	497.69	498.72	486.80	0.00	233.89
3180.000	498.42	498.85	490.30	0.00	106.57
3180.000	500.53	501.12	490.30	0.00	127.29
3180.000	501.88	502.15	490.30	0.00	136.52
3180.000	503.64	504.57	490.30	0.00	157.82
4990.000	507.24	507.70	500.30	0.00	105.61
4990.000	509.44	510.01	500.30	0.00	144.95
4990.000	510.44	511.04	500.30	0.00	158.80
4990.000	513.01	513.68	500.30	0.00	194.57
9100.000	522.86	523.08	514.40	0.00	200.40
9100.000	524.67	524.93	514.40	0.00	279.47
9100.000	525.45	525.73	514.40	0.00	313.20
9100.000	527.38	527.68	514.40	0.00	396.61
9150.000	523.06	523.25	514.70	0.00	210.97
9150.000	524.86	525.08	514.70	0.00	289.02
9150.000	525.65	525.87	514.70	0.00	322.41
9150.000	527.57	527.82	514.70	0.00	405.08
9151.000	522.85	523.34	514.70	0.00	51.38
9151.000	524.38	525.30	514.70	0.00	52.00
9151.000	524.96	526.17	514.70	0.00	52.00
9151.000	527.57	527.82	514.70	0.00	405.45
9170.000	522.93	523.35	514.70	526.60	51.80
9170.000	524.56	525.35	514.70	526.60	52.00
9170.000	525.22	526.26	514.70	526.60	52.00
9170.000	528.53	528.80	514.70	526.60	349.89
9171.000	523.13	523.37	514.70	0.00	166.02
9171.000	525.14	525.40	514.70	0.00	234.81
9171.000	526.17	526.34	514.70	0.00	266.22
9171.000	528.53	528.80	514.70	0.00	349.95
9340.000	523.76	524.13	516.10	0.00	126.75
9340.000	525.65	526.10	516.10	0.00	175.58
9340.000	526.53	526.99	516.10	0.00	198.74
9340.000	528.89	529.34	516.10	0.00	260.67
9900.000	526.19	526.45	518.80	0.00	139.16
9900.000	528.11	528.45	518.80	0.00	174.98
9900.000	528.96	529.32	518.80	0.00	190.66
9900.000	531.07	531.50	518.80	0.00	220.51

SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
10500.000	528.20	528.33	521.70	0.00	192.11
10500.000	530.05	530.18	521.70	0.00	214.17
10500.000	530.89	531.03	521.70	0.00	221.05
10500.000	533.02	533.18	521.70	0.00	238.29
10900.000	529.59	529.92	523.90	0.00	154.59
10900.000	531.19	531.51	523.90	0.00	175.46
10900.000	531.96	532.28	523.90	0.00	185.50
10900.000	533.89	534.35	523.90	0.00	211.89
11650.000	533.92	534.17	528.00	0.00	130.62
11650.000	535.29	535.64	528.00	0.00	141.70
11650.000	535.93	536.33	528.00	0.00	146.89
11650.000	537.65	538.18	528.00	0.00	160.87
12900.000	540.60	540.95	534.80	0.00	100.31
12900.000	542.33	542.78	534.80	0.00	113.18
12900.000	543.12	543.62	534.80	0.00	118.97
12900.000	545.13	545.77	534.80	0.00	133.85
13500.000	543.83	544.06	538.10	0.00	195.04
13500.000	545.35	545.58	538.10	0.00	211.00
13500.000	546.08	546.32	538.10	0.00	218.71
13500.000	548.06	548.31	538.10	0.00	239.41
13720.000	544.85	545.03	539.30	0.00	197.49
13720.000	546.23	546.43	539.30	0.00	214.23
13720.000	546.91	547.13	539.30	0.00	222.48
13720.000	548.77	549.02	539.30	0.00	245.13
13721.000	544.24	545.30	539.30	0.00	30.00
* 13721.000	545.15	547.58	539.30	0.00	30.00
* 13721.000	545.97	548.80	539.30	0.00	30.00
* 13721.000	549.25	549.54	539.30	0.00	176.24
13740.000	544.27	545.36	539.40	548.30	30.00
* 13740.000	545.54	547.69	539.40	548.30	30.00
* 13740.000	546.44	548.93	539.40	548.30	30.00
13740.000	551.08	551.19	539.40	548.10	273.91
13741.000	545.31	545.46	539.40	0.00	276.73
13741.000	547.84	547.90	539.40	0.00	373.06
13741.000	549.12	549.17	539.40	0.00	349.25
13741.000	551.14	551.20	539.40	0.00	440.70
13860.000	545.74	545.94	540.20	0.00	273.26
13860.000	547.99	548.07	540.20	0.00	365.68
13860.000	549.22	549.28	540.20	0.00	391.04
13860.000	551.23	551.30	540.20	0.00	432.35
14200.000	547.85	548.37	543.40	0.00	134.37
14200.000	548.72	549.49	543.40	0.00	144.70
14200.000	549.63	550.24	543.40	0.00	155.57
14200.000	551.56	552.11	543.40	0.00	170.89

*[Handwritten signature]*

SECNO	CNSL	EG	ELMIN	ELLC	TOPWID
14500.000	551.16	551.66	546.30	0.00	89.48
14500.000	552.56	553.22	546.30	0.00	106.92
14500.000	552.91	553.78	546.30	0.00	111.41
14500.000	554.17	555.44	546.30	0.00	127.06
15000.000	556.38	556.99	551.20	0.00	83.99
15000.000	557.82	558.61	551.20	0.00	114.14
15000.000	558.61	559.41	551.20	0.00	130.89
15000.000	560.41	561.27	551.20	0.00	167.44
16400.000	569.94	570.35	564.60	0.00	88.25
16400.000	571.33	571.82	564.60	0.00	100.64
16400.000	571.85	572.42	564.60	0.00	104.72
16400.000	573.27	574.02	564.60	0.00	116.14
16485.000	570.63	570.84	565.50	0.00	95.02
16485.000	572.05	572.34	565.50	0.00	106.37
16485.000	572.64	572.98	565.50	0.00	111.09
16485.000	574.20	574.66	565.50	0.00	123.59
16486.000	570.39	570.96	565.50	0.00	21.00
16486.000	571.23	572.70	565.50	0.00	21.00
16486.000	571.22	573.61	565.50	0.00	21.00
16486.000	573.08	576.91	565.50	0.00	21.00
16530.000	570.45	570.96	565.90	573.50	90.40
16530.000	571.51	572.70	565.90	573.50	98.90
16530.000	572.33	573.61	565.90	573.50	105.42
16530.000	577.61	577.77	565.90	573.50	147.67
16700.000	571.70	571.93	566.50	0.00	96.44
16700.000	573.45	573.70	566.50	0.00	124.81
16700.000	574.25	574.52	566.50	0.00	137.92
16700.000	577.87	578.03	566.50	0.00	203.15
16920.000	572.87	573.20	568.30	0.00	80.99
16920.000	574.42	574.78	568.30	0.00	91.63
16920.000	575.16	575.55	568.30	0.00	96.74
16920.000	578.23	578.55	568.30	0.00	117.86
17400.000	577.07	577.56	572.20	0.00	79.39
17400.000	578.26	578.93	572.20	0.00	108.16
17400.000	578.83	579.55	572.20	0.00	121.95
17400.000	580.44	581.16	572.20	0.00	154.78
18550.000	587.14	587.54	581.50	0.00	81.23
18550.000	588.66	589.13	581.50	0.00	117.82
18550.000	589.29	589.81	581.50	0.00	132.80
18550.000	590.61	591.25	581.50	0.00	157.96
19640.000	595.35	595.62	590.30	0.00	108.58
19640.000	596.60	596.91	590.30	0.00	136.21
19640.000	597.20	597.53	590.30	0.00	149.30
19640.000	598.72	599.09	590.30	0.00	182.53

SUMMARY PRINTOUT

SECNO	CNSEL	QLOB	QCH	QROB	VLOB	VCH	VRDU
137400.000	481.00	135.27	4029.92	324.81	0.97	5.80	1.26
137400.000	482.20	322.68	4868.00	609.24	1.30	6.27	1.57
137400.000	482.90	459.67	5283.88	798.45	1.44	6.41	1.70
137400.000	484.52	904.30	6581.93	1383.77	1.77	7.05	2.04
210.000	481.80	43.70	857.71	608.59	1.12	4.88	1.53
210.000	482.98	116.26	1346.81	1306.93	1.74	6.56	2.16
210.000	483.65	166.93	1570.17	1862.90	1.98	7.07	2.36
210.000	485.31	333.00	2156.34	3440.65	2.47	8.10	2.82
1250.000	487.59	8.51	1927.85	13.63	1.01	8.17	1.01
1250.000	489.76	137.31	2492.78	219.91	1.81	9.11	1.81
1250.000	490.53	255.11	2935.90	408.99	2.22	9.64	2.21
1250.000	492.32	692.62	4106.80	1130.58	3.04	10.91	2.98
1325.000	488.87	29.95	1401.18	118.67	0.87	5.08	1.22
1325.000	490.99	188.26	2243.70	410.04	1.44	5.88	1.67
1325.000	491.77	301.28	2680.38	610.34	1.69	6.37	1.89
1325.000	493.57	694.06	3925.21	1310.72	2.25	7.69	2.37
1326.000	488.78	0.00	1550.00	0.00	0.00	5.72	0.00
1326.000	490.63	0.00	2850.00	0.00	0.00	7.84	0.00
1326.000	491.67	0.00	2917.44	682.56	0.00	7.02	2.15
1326.000	493.58	694.62	3923.33	1311.86	2.25	7.66	2.37
1355.000	488.90	0.00	1550.00	0.00	0.00	5.60	0.00
1355.000	490.92	0.00	2850.00	0.00	0.00	7.54	0.00
1355.000	492.37	0.00	3600.00	0.00	0.00	7.82	0.00
1355.000	495.21	1067.63	3712.62	1149.75	1.90	8.26	1.54
1356.000	489.02	42.73	1449.34	57.93	0.90	5.12	1.23
1356.000	491.42	202.54	2332.93	234.52	1.48	5.78	1.46
1356.000	493.27	525.99	2590.70	483.22	1.50	5.23	1.28
1356.000	495.22	2067.70	3712.38	1149.92	1.90	6.26	1.54
1550.000	489.92	138.18	1325.53	86.29	0.93	5.29	1.00
1550.000	492.22	746.55	1684.81	418.64	1.27	4.82	1.20
1550.000	493.81	1211.84	1711.15	677.00	1.24	4.09	1.22
1550.000	495.85	2315.90	2301.80	1312.29	1.54	4.55	1.48
1900.000	491.68	278.16	1000.94	270.90	1.18	4.83	1.20
1900.000	493.27	755.06	1377.75	717.19	1.47	5.09	1.51
1900.000	494.43	1092.86	1484.96	1022.18	1.43	4.67	1.47
1900.000	496.42	2058.38	1987.54	1884.07	1.60	5.01	1.65
2400.000	494.13	114.32	1311.29	124.39	1.32	6.14	1.31
2400.000	495.43	367.84	2076.65	405.50	2.14	7.97	2.11
2400.000	496.00	533.63	2474.87	591.50	2.50	8.60	2.46
2400.000	497.69	1136.56	3514.82	1278.62	3.21	10.28	3.15
3180.000	498.42	153.25	1251.18	145.57	1.48	5.79	1.62
3180.000	500.53	478.24	2019.20	352.57	2.16	7.18	2.45
3180.000	501.46	692.49	2427.40	480.11	2.44	7.82	2.72
3180.000	503.64	1417.23	3619.24	893.53	3.15	9.58	3.42

Handwritten mark resembling a stylized 'S' or '4'.

SECNO	CNSL	HLOB	UCH	OROH	VLOB	VCH	VRUB
4990.000	507.24	99.45	1270.20	40.35	1.19	5.73	1.32
4990.000	509.44	433.14	2042.63	134.23	1.82	6.79	1.73
4990.000	510.44	679.15	2412.18	198.66	2.09	7.16	1.88
4990.000	513.01	1543.45	3447.35	439.20	2.60	8.03	2.22
9100.000	522.86	162.52	905.17	172.31	1.21	4.43	0.92
9100.000	524.67	404.35	1346.42	549.22	1.57	5.20	1.23
9100.000	525.45	547.45	1561.41	601.14	1.71	5.53	1.35
9100.000	527.38	1002.09	2122.94	1687.97	2.00	6.24	1.63
9150.000	523.04	106.10	958.91	174.99	1.19	4.17	1.06
9150.000	524.86	286.55	1481.53	531.93	1.45	4.57	1.28
9150.000	525.65	594.97	1750.49	764.54	1.56	4.80	1.37
9150.000	527.57	747.83	2489.84	1572.34	1.78	5.36	1.59
9151.000	522.85	0.00	1240.00	0.00	0.00	5.65	0.00
9151.000	524.38	0.00	2300.00	0.00	0.00	7.67	0.00
9151.000	524.96	0.00	2910.00	0.00	0.00	8.63	0.00
9151.000	527.57	748.17	2488.28	1573.55	1.78	5.35	1.58
9170.000	522.93	0.00	1240.00	0.00	0.00	5.22	0.00
9170.000	524.56	0.00	2300.00	0.00	0.00	7.14	0.00
9170.000	525.22	0.00	2910.00	0.00	0.00	8.15	0.00
9170.000	528.53	611.36	2802.55	1396.09	1.53	5.30	1.56
9171.000	523.13	56.16	1052.73	131.10	1.04	4.24	1.04
9171.000	525.14	186.49	1677.51	435.99	1.28	4.76	1.31
9171.000	526.07	277.53	1987.80	644.67	1.37	4.96	1.40
9171.000	528.53	611.45	2802.27	1396.28	1.53	5.30	1.56
9340.000	523.76	136.67	1017.61	85.72	1.45	5.34	1.18
9340.000	525.65	379.73	1562.90	357.57	2.04	6.37	1.68
9340.000	526.53	524.49	1813.54	571.97	2.24	6.69	1.89
9340.000	528.89	961.51	2443.70	1384.79	2.56	7.20	2.21
9900.000	526.19	214.06	824.83	201.11	1.54	4.96	1.43
9900.000	528.11	504.94	1285.13	509.93	1.99	5.94	1.83
9900.000	528.96	680.59	1524.12	705.29	2.17	6.39	2.00
9900.000	531.07	1262.35	2153.21	1394.44	2.63	7.35	2.46
10500.000	528.20	403.35	504.85	51.80	1.16	5.36	1.20
10500.000	530.05	955.04	725.02	114.94	1.47	4.23	1.25
10500.000	530.89	1277.98	834.88	152.13	1.60	4.42	1.54
10500.000	533.02	2315.07	1189.09	275.84	1.95	5.02	1.80
10900.000	529.59	39.87	636.09	284.04	1.18	5.54	1.49
10900.000	531.19	146.02	713.21	736.77	1.65	6.03	2.03
10900.000	531.96	221.35	1052.22	946.41	1.80	6.22	2.22
10900.000	533.99	509.97	1460.95	1809.08	2.09	6.77	2.54
11650.000	533.92	142.22	600.45	217.55	1.49	4.96	1.55
11650.000	535.29	339.77	957.38	497.85	2.09	6.22	2.21
11650.000	535.93	461.84	1144.24	663.92	2.33	6.76	2.49
11650.000	537.65	680.84	1693.29	1265.87	2.89	8.04	3.14

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
12900.000	540.60	213.58	729.76	16.67	1.62	5.36	1.11
12900.000	542.33	556.76	1174.30	63.94	2.29	6.42	1.54
12900.000	543.12	759.95	1410.50	99.55	2.56	6.92	1.72
12900.000	545.13	1422.92	2115.75	243.34	3.22	8.19	2.17
13500.000	543.03	93.73	649.08	217.18	1.28	4.59	1.13
13500.000	545.35	232.28	945.97	616.75	1.62	5.06	1.61
13500.000	546.08	317.35	1098.81	855.84	1.74	5.26	1.78
13500.000	548.06	608.90	1551.02	1620.08	2.01	5.79	2.16
13720.000	544.85	56.56	571.34	332.10	0.99	4.25	1.31
13720.000	546.23	175.24	865.48	754.28	1.02	4.92	1.75
13720.000	546.91	253.34	1016.43	1000.23	1.57	5.18	1.92
13720.000	548.77	532.40	1458.90	1788.70	1.89	5.78	2.29
13721.000	544.24	0.00	960.00	0.00	0.00	8.25	0.00
* 13721.000	545.15	0.00	1795.00	0.00	0.00	12.51	0.00
* 13721.000	545.97	0.00	2270.00	0.00	0.00	13.50	0.00
* 13721.000	549.25	0.00	1586.71	2193.29	0.00	5.96	2.58
13740.000	544.27	0.00	960.00	0.00	0.00	8.40	0.00
* 13740.000	545.54	0.00	1795.00	0.00	0.00	11.77	0.00
* 13740.000	546.44	0.00	2270.00	0.00	0.00	12.64	0.00
13740.000	551.08	0.00	1260.88	2519.12	0.00	3.96	1.67
13741.000	545.31	100.36	576.39	283.25	0.93	3.96	1.07
13741.000	547.84	328.28	677.78	788.94	0.88	3.06	1.03
13741.000	549.12	487.68	729.94	1052.38	0.89	2.21	1.01
13741.000	551.14	435.84	1015.46	1828.70	1.09	5.17	1.20
13860.000	545.74	125.34	592.75	241.90	1.15	4.48	1.08
13860.000	547.99	342.76	694.57	757.66	1.03	3.52	1.14
13860.000	549.22	505.22	734.77	1030.01	1.02	3.15	1.11
13860.000	551.23	963.11	1002.07	1814.02	1.21	3.44	1.30
14200.000	547.85	8.14	684.03	147.83	1.05	6.40	1.45
14200.000	548.72	34.81	1092.88	447.31	1.66	6.33	2.41
14200.000	549.63	72.48	1219.88	767.64	1.73	7.79	2.56
14200.000	551.56	240.49	1671.55	1427.96	2.31	7.94	3.00
14500.000	551.16	74.31	695.56	70.03	1.66	6.20	1.62
14500.000	552.56	222.45	1134.06	218.49	2.40	7.56	2.31
14500.000	552.91	302.76	1396.88	300.37	2.84	6.75	2.72
14500.000	554.17	500.19	2125.05	614.76	3.75	10.93	3.57
15000.000	556.36	20.75	705.15	113.09	1.46	6.81	1.78
15000.000	557.82	73.30	1142.07	359.63	2.01	6.20	2.40
15000.000	558.61	115.30	1344.97	539.73	2.17	6.56	2.55
15000.000	560.41	272.57	1905.46	1161.96	2.65	9.51	3.00
16400.000	564.44	43.93	518.90	57.16	1.23	5.61	1.23
16400.000	571.33	157.02	607.81	205.16	1.96	6.64	1.95
16400.000	571.85	224.07	972.24	293.65	2.29	7.34	2.28
16400.000	573.27	458.28	1435.28	606.44	3.02	8.84	2.99



SECNO	CWSEL	QLOB	DCH	DRGB	VLOB	VCH	VRUB
16485.000	570.63	69.29	460.46	90.25	1.22	4.28	1.22
16485.000	572.05	191.02	728.31	250.67	1.02	5.30	1.80
16485.000	572.64	265.20	875.41	349.39	2.09	5.84	2.07
16485.000	574.20	515.68	1297.42	686.90	2.72	7.10	2.68
16486.000	570.39	0.00	520.00	0.00	0.00	6.04	0.00
16486.000	571.23	0.00	1170.00	0.00	0.00	9.72	0.00
16486.000	571.22	0.00	1490.00	0.00	0.00	12.40	0.00
16486.000	573.08	0.00	2500.00	0.00	0.00	19.71	0.00
16530.000	570.45	50.09	504.73	65.18	1.28	5.20	1.29
16530.000	571.51	155.18	812.31	202.51	2.13	6.89	2.13
16530.000	572.33	238.30	939.23	312.47	2.36	6.96	2.35
16530.000	577.81	595.97	1094.91	809.51	1.80	6.45	1.76
16700.000	571.0	167.16	417.17	35.67	1.39	4.55	1.21
16700.000	573.45	428.05	646.88	95.07	1.74	5.19	1.45
16700.000	574.29	590.50	768.15	131.35	1.87	5.47	1.55
16700.000	577.8	1194.06	984.25	321.69	1.64	4.71	1.49
16920.000	572.87	93.97	399.09	81.94	1.65	5.37	1.63
16920.000	574.42	239.15	631.29	214.56	2.18	6.09	2.11
16920.000	575.16	326.39	756.23	297.30	2.38	6.42	2.29
16920.000	578.23	637.18	1075.76	617.06	2.40	6.11	2.26
17400.000	577.07	61.79	458.52	54.70	1.46	6.25	1.48
17400.000	578.26	181.48	742.87	160.65	2.02	7.03	2.02
17400.000	578.83	264.76	880.86	234.37	2.22	8.37	2.22
17400.000	580.44	590.18	1217.32	522.50	2.64	9.08	2.64
18550.000	587.14	64.33	468.95	41.72	1.27	5.62	1.27
18550.000	588.66	212.14	735.26	137.60	1.69	6.63	1.68
18550.000	589.29	309.93	869.04	201.02	1.86	7.12	1.86
18550.000	590.61	663.95	1235.27	430.78	2.46	8.46	2.45
19640.000	595.35	198.97	365.41	10.62	1.35	5.11	0.93
19640.000	596.60	481.31	556.40	47.25	2.03	5.99	1.34
19640.000	597.20	652.13	651.29	76.57	2.21	6.53	1.50
19640.000	598.72	1206.87	913.84	209.29	2.57	7.09	1.99

SUMMARY PRINTOUT TABLE 1500

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWDEL	CRWS	EG	10K*6	VCH	AREA	.01K
137400.000	0.00	0.00	0.00	469.10	4490.00	481.00	0.00	481.47	19.15	5.80	1091.98	1026.10
137400.000	0.00	0.00	0.00	469.10	5800.00	482.20	0.00	482.72	19.29	6.27	1411.86	1320.42
137400.000	0.00	0.00	0.00	469.10	3540.00	482.90	0.00	483.42	18.69	6.41	1619.66	1515.56
137400.000	0.00	0.00	0.00	469.10	5870.00	484.52	0.00	485.10	19.05	7.65	2122.22	2052.00
210.000	240.00	0.00	0.00	473.50	1550.00	481.80	0.00	482.02	32.90	4.88	638.11	270.23
210.000	240.00	0.00	0.00	473.50	2850.00	482.98	0.00	483.33	48.26	6.56	913.28	410.27
210.000	240.00	0.00	0.00	473.50	3600.00	483.65	0.00	484.04	50.46	7.07	1098.45	506.80
210.000	240.00	0.00	0.00	473.50	5930.00	485.31	0.00	485.77	53.80	8.18	1817.78	808.49
1250.000	1040.00	0.00	0.00	481.60	1550.00	487.59	0.00	488.61	150.23	8.17	206.91	126.46
1250.000	1040.00	0.00	0.00	481.60	2850.00	489.76	0.00	490.89	112.18	9.11	470.74	269.08
1250.000	1040.00	0.00	0.00	481.60	3600.00	490.53	0.00	491.72	109.04	9.64	604.66	344.75
1250.000	1040.00	0.00	0.00	481.60	5930.00	492.32	0.00	493.64	105.42	10.91	983.62	577.54
1325.000	75.00	0.00	0.00	482.30	1550.00	488.87	0.00	489.24	44.62	5.08	407.70	232.05
1325.000	75.00	0.00	0.00	482.30	2850.00	490.99	0.00	491.42	38.73	5.68	762.75	457.98
1325.000	75.00	0.00	0.00	482.30	3600.00	491.77	0.00	492.25	39.97	6.37	926.67	569.62
1325.000	75.00	0.00	0.00	482.30	5930.00	493.57	0.00	494.21	44.88	7.69	1371.07	885.15
1326.000	1.00	0.00	0.00	482.30	1550.00	488.78	0.00	489.28	59.46	5.72	270.77	201.01
1326.000	1.00	0.00	0.00	482.30	2850.00	490.63	0.00	491.58	77.74	7.84	363.57	323.23
1326.000	1.00	0.00	0.00	482.30	3600.00	491.67	0.00	492.30	53.28	7.02	732.66	493.19
1326.000	1.00	0.00	0.00	482.30	5930.00	493.58	0.00	494.21	44.73	7.68	1374.00	886.70
1355.000	30.00	492.80	491.90	482.30	1550.00	488.90	0.00	489.39	55.21	5.60	277.03	208.61
1355.000	30.00	492.80	491.90	482.30	2850.00	490.92	0.00	491.80	68.77	7.54	377.80	343.66
1355.000	30.00	492.80	491.90	482.30	3600.00	492.57	0.00	493.52	58.61	7.82	460.49	470.22
1355.000	30.00	492.80	491.90	482.30	5930.00	495.21	0.00	495.61	24.39	6.26	1899.73	1200.75
1356.000	1.00	0.00	0.00	482.30	1550.00	489.02	0.00	489.40	43.70	5.12	377.47	234.47
1356.000	1.00	0.00	0.00	482.30	2850.00	491.42	0.00	491.85	34.75	5.78	752.72	483.47
1356.000	1.00	0.00	0.00	482.30	3600.00	493.27	0.00	493.59	21.57	5.23	1223.69	775.20
1356.000	1.00	0.00	0.00	482.30	5930.00	495.22	0.00	495.61	24.38	6.26	1900.09	1200.99
1550.000	195.00	0.00	0.00	482.90	1550.00	489.92	0.00	490.29	47.40	5.24	485.31	223.96
1550.000	195.00	0.00	0.00	482.90	2850.00	492.22	0.00	492.45	25.50	4.82	1270.46	564.35
1550.000	195.00	0.00	0.00	482.90	3600.00	493.81	0.00	493.95	14.52	4.09	1950.55	944.59
1550.000	195.00	0.00	0.00	482.90	5930.00	495.85	0.00	495.99	13.95	4.55	2894.33	1507.78
1900.000	350.00	0.00	0.00	484.50	1550.00	491.68	0.00	491.92	44.45	4.83	668.06	232.49
1900.000	350.00	0.00	0.00	484.50	2850.00	493.27	0.00	493.48	34.46	5.09	1254.35	485.51
1900.000	350.00	0.00	0.00	484.50	3600.00	494.43	0.00	494.59	23.54	4.67	1774.13	742.01
1900.000	350.00	0.00	0.00	484.50	5930.00	496.42	0.00	496.58	20.10	5.01	2822.45	1322.59
2400.000	500.00	0.00	0.00	486.80	1550.00	494.13	0.00	494.63	63.07	6.14	395.52	195.18
2400.000	500.00	0.00	0.00	486.80	2850.00	495.43	0.00	496.17	81.55	7.97	624.53	315.59
2400.000	500.00	0.00	0.00	486.80	3600.00	496.00	0.00	496.86	89.89	8.50	735.70	379.71
2400.000	500.00	0.00	0.00	486.80	5930.00	497.69	0.00	498.72	94.33	10.28	1102.60	610.57
3180.000	780.00	0.00	0.00	490.30	1550.00	495.02	0.00	498.85	46.92	5.79	399.41	226.29
3180.000	780.00	0.00	0.00	490.30	2850.00	500.53	0.00	501.12	50.57	7.16	646.18	400.77
3180.000	780.00	0.00	0.00	490.30	3600.00	501.48	0.00	502.15	52.61	7.82	771.21	496.52
3180.000	780.00	0.00	0.00	490.30	5930.00	503.64	0.00	504.57	60.83	9.58	1075.62	760.34

SECNO	XLCH	ELTRD	ELLC	ELMIN	W	CWSEL	CH2WS	EG	10K*B	VCH	AREA	.01K
4990.000	1810.00	0.00	0.00	500.30	5430.00	513.01	0.00	513.68	41.44	8.03	1221.79	843.51
9100.000	4110.00	0.00	0.00	514.40	1240.00	522.86	0.00	523.08	27.60	4.43	925.74	236.03
9100.000	4110.00	0.00	0.00	514.40	2300.00	524.67	0.00	524.93	27.66	5.20	963.59	437.29
9100.000	4110.00	0.00	0.00	514.40	2910.00	525.85	0.00	525.73	27.90	5.53	1104.23	550.91
9100.000	4110.00	0.00	0.00	514.40	4810.00	527.38	0.00	527.68	27.73	6.24	1877.35	913.41
9150.000	50.00	0.00	0.00	514.70	1240.00	523.04	0.00	523.25	41.88	4.17	484.56	191.61
9150.000	50.00	0.00	0.00	514.70	2300.00	524.86	0.00	525.08	31.75	4.57	938.36	408.20
9150.000	50.00	0.00	0.00	514.70	2910.00	525.65	0.00	525.87	29.97	4.80	1175.75	531.55
9150.000	50.00	0.00	0.00	514.70	4810.00	527.57	0.00	527.82	27.04	5.36	1875.03	925.07
9151.000	1.00	0.00	0.00	514.70	1240.00	522.85	0.00	523.34	80.57	5.65	219.63	138.14
9151.000	1.00	0.00	0.00	514.70	2300.00	524.38	0.00	525.30	101.04	7.67	299.68	228.81
9151.000	1.00	0.00	0.00	514.70	2910.00	524.96	0.00	526.17	118.44	8.83	329.57	267.39
9151.000	1.00	0.00	0.00	514.70	4810.00	527.57	0.00	527.82	26.91	5.35	1878.56	927.15
9170.000	20.00	527.50	526.60	514.70	1240.00	522.93	0.00	523.35	62.62	5.22	237.49	156.70
9170.000	20.00	527.50	526.60	514.70	2300.00	524.56	0.00	525.35	74.27	7.14	322.24	250.33
9170.000	20.00	527.50	526.60	514.70	2910.00	525.12	0.00	526.26	90.84	8.15	356.92	305.32
9170.000	20.00	527.50	526.60	514.70	4810.00	528.53	0.00	528.80	22.17	5.30	1820.73	1021.44
9171.000	1.00	0.00	0.00	514.70	1240.00	523.13	0.00	523.37	38.82	4.24	428.62	199.02
9171.000	1.00	0.00	0.00	514.70	2300.00	525.14	0.00	525.40	30.63	4.76	831.16	415.55
9171.000	1.00	0.00	0.00	514.70	2910.00	526.07	0.00	526.34	28.10	4.96	1062.61	548.94
9171.000	1.00	0.00	0.00	514.70	4810.00	528.53	0.00	528.80	22.16	5.30	1821.30	1021.82
9340.000	170.00	0.00	0.00	518.10	1240.00	523.76	0.00	524.13	46.17	5.34	357.80	182.49
9340.000	170.00	0.00	0.00	518.10	2300.00	525.65	0.00	526.10	46.88	6.37	643.54	335.92
9340.000	170.00	0.00	0.00	518.10	2910.00	526.53	0.00	526.99	45.35	6.69	808.76	432.14
9340.000	170.00	0.00	0.00	518.10	4810.00	528.69	0.00	529.34	38.86	7.20	1351.12	771.59
9900.000	560.00	0.00	0.00	518.80	1240.00	526.14	0.00	526.45	37.10	4.46	446.04	203.57
9900.000	560.00	0.00	0.00	518.80	2300.00	528.11	0.00	528.45	37.41	5.94	748.93	376.02
9900.000	560.00	0.00	0.00	518.80	2910.00	528.96	0.00	529.32	38.13	6.39	903.30	471.25
9900.000	560.00	0.00	0.00	518.80	4810.00	531.07	0.00	531.50	38.24	7.35	1340.49	777.87
10500.000	600.00	0.00	0.00	521.70	960.00	526.20	0.00	528.53	25.24	3.86	522.98	191.10
10500.000	600.00	0.00	0.00	521.70	1795.00	530.05	0.00	530.18	21.13	4.23	901.44	390.49
10500.000	600.00	0.00	0.00	521.70	2270.00	530.69	0.00	531.03	20.09	4.42	1086.29	506.51
10500.000	600.00	0.00	0.00	521.70	3780.00	533.02	0.00	533.18	19.34	5.02	1574.68	859.55
10900.000	400.00	0.00	0.00	523.90	960.00	529.59	0.00	529.92	60.10	5.54	338.58	118.98
10900.000	400.00	0.00	0.00	523.90	1795.00	531.19	0.00	531.51	53.24	6.03	601.83	246.00
10900.000	400.00	0.00	0.00	523.90	2270.00	531.96	0.00	532.28	48.84	6.22	741.19	324.81
10900.000	400.00	0.00	0.00	523.90	3780.00	533.99	0.00	534.33	41.79	6.77	1144.63	584.75
11650.000	750.00	0.00	0.00	528.00	960.00	533.92	0.00	534.17	49.67	4.48	356.64	136.21
11650.000	750.00	0.00	0.00	528.00	1795.00	535.29	0.00	535.64	56.91	6.22	542.28	237.94
11650.000	750.00	0.00	0.00	528.00	2270.00	535.93	0.00	536.33	59.23	6.76	630.49	294.96
11650.000	750.00	0.00	0.00	528.00	3780.00	537.65	0.00	538.18	62.64	8.04	899.23	477.60

SECNO	XLCH	ELTRD	ELLC	ELMIN	U	CWSEL	CRINS	EG	10K*8	VCH	AREA	.01K
12900.000	1250.00	0.00	0.00	534.80	960.00	540.60	0.00	540.95	58.83	5.36	282.76	125.16
12900.000	1250.00	0.00	0.00	534.80	1795.00	542.33	0.00	542.78	56.80	6.42	467.99	238.17
12900.000	1250.00	0.00	0.00	534.80	2270.00	543.12	0.00	543.62	56.97	6.92	558.60	300.75
12900.000	1250.00	0.00	0.00	534.80	3780.00	545.13	0.00	545.77	56.35	8.19	812.21	494.85
13500.000	600.00	0.00	0.00	538.10	960.00	543.83	0.00	544.06	45.78	4.59	406.21	181.89
13500.000	600.00	0.00	0.00	538.10	1795.00	545.35	0.00	545.58	38.44	5.06	713.65	284.52
13500.000	600.00	0.00	0.00	538.10	2270.00	546.08	0.00	546.32	35.82	5.26	870.92	379.29
13500.000	600.00	0.00	0.00	538.10	3780.00	548.06	0.00	548.31	31.16	5.79	1321.07	677.12
13720.000	220.00	0.00	0.00	539.30	960.00	544.85	0.00	545.03	41.78	4.05	445.94	148.52
13720.000	220.00	0.00	0.00	539.30	1795.00	546.23	0.00	546.43	39.24	4.72	729.70	286.53
13720.000	220.00	0.00	0.00	539.30	2270.00	546.91	0.00	547.13	37.55	5.18	878.16	370.49
13720.000	220.00	0.00	0.00	539.30	3780.00	548.77	0.00	549.02	33.54	5.78	1314.11	652.72
13721.000	1.00	0.00	0.00	539.30	960.00	544.24	0.00	545.30	193.71	8.25	116.37	68.98
* 13721.000	1.00	0.00	0.00	539.30	1795.00	545.15	545.15	547.58	344.96	12.51	143.44	96.64
* 13721.000	1.00	0.00	0.00	539.30	2270.00	545.97	545.97	548.80	332.23	13.50	168.16	124.54
* 13721.000	1.00	0.00	0.00	539.30	3780.00	549.25	549.25	549.54	38.78	5.96	1114.98	606.97
13740.000	20.00	549.40	548.30	539.40	960.00	544.27	0.00	545.36	205.74	8.40	114.22	66.93
* 13740.000	20.00	549.40	548.30	539.40	1795.00	545.54	0.00	547.69	283.44	11.77	152.51	106.62
* 13740.000	20.00	549.40	548.30	539.40	2270.00	546.44	0.00	548.93	269.96	12.64	179.55	138.16
13740.000	20.00	549.40	548.30	539.40	3780.00	551.08	0.00	551.19	14.27	3.96	1826.94	1000.81
13741.000	1.00	0.00	0.00	539.40	960.00	545.31	0.00	545.46	32.71	3.46	517.91	167.86
13741.000	1.00	0.00	0.00	539.40	1795.00	547.84	0.00	547.90	11.15	3.06	1339.43	537.58
13741.000	1.00	0.00	0.00	539.40	2270.00	549.12	0.00	549.17	7.60	2.81	1892.71	823.64
13741.000	1.00	0.00	0.00	539.40	3780.00	551.14	0.00	551.20	7.30	3.17	2701.86	1398.69
13860.000	120.00	0.00	0.00	540.20	960.00	545.74	0.00	545.94	46.25	4.46	464.54	141.16
13860.000	120.00	0.00	0.00	540.20	1795.00	547.99	0.00	548.07	16.71	3.52	1194.55	439.10
13860.000	120.00	0.00	0.00	540.20	2270.00	549.22	0.00	549.28	10.74	3.15	1660.91	692.56
13860.000	120.00	0.00	0.00	540.20	3780.00	551.23	0.00	551.30	9.49	3.44	2489.69	1227.01
14200.000	340.00	0.00	0.00	543.40	840.00	547.85	0.00	548.37	122.07	6.40	216.75	76.03
14200.000	340.00	0.00	0.00	543.40	1575.00	548.72	0.00	549.49	157.35	8.33	337.85	125.56
14200.000	340.00	0.00	0.00	543.40	2000.00	549.63	0.00	550.24	108.28	7.79	474.90	192.20
14200.000	340.00	0.00	0.00	543.40	3340.00	551.56	0.00	552.11	75.81	7.94	790.90	383.61
14500.000	300.00	0.00	0.00	546.30	840.00	551.16	0.00	551.66	98.82	6.20	200.27	84.50
14500.000	300.00	0.00	0.00	546.30	1575.00	552.56	0.00	553.22	100.13	7.56	337.25	157.40
14500.000	300.00	0.00	0.00	546.30	2000.00	552.91	0.00	553.78	123.25	8.75	376.50	180.15
14500.000	300.00	0.00	0.00	546.30	3340.00	554.17	0.00	555.44	150.38	10.98	925.78	272.36
15000.000	500.00	0.00	0.00	551.20	840.00	556.38	0.00	556.99	113.85	6.81	181.84	78.72
15000.000	500.00	0.00	0.00	551.20	1575.00	557.82	0.00	558.61	114.62	8.28	324.07	147.11
15000.000	500.00	0.00	0.00	551.20	2000.00	558.61	0.00	559.41	103.11	6.56	421.76	196.96
15000.000	500.00	0.00	0.00	551.20	3340.00	560.41	0.00	561.27	92.09	9.51	691.11	348.04
16400.000	1400.00	0.00	0.00	564.60	620.00	564.94	0.00	570.35	76.56	5.01	174.41	70.86
16400.000	1400.00	0.00	0.00	564.60	1170.00	571.33	0.00	571.82	74.23	6.64	306.79	135.80
16400.000	1400.00	0.00	0.00	564.60	1490.00	571.85	0.00	572.42	81.17	7.34	354.18	165.36
16400.000	1400.00	0.00	0.00	564.60	2500.00	573.27	0.00	574.02	89.58	8.84	516.86	264.14

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10K43	VCH	AREA	.01K
16485.000	85.00	0.00	0.00	565.50	620.00	570.63	0.00	570.84	42.53	4.28	238.81	95.07
16485.000	85.00	0.00	0.00	565.50	1170.00	572.05	0.00	572.34	47.14	5.30	381.64	170.40
16485.000	85.00	0.00	0.00	565.50	1490.00	572.64	0.00	572.98	51.08	5.84	445.82	208.48
16485.000	85.00	0.00	0.00	565.50	2500.00	574.20	0.00	574.66	58.00	7.10	624.09	328.26
16486.000	1.00	0.00	0.00	565.50	620.00	570.39	0.00	570.96	104.45	6.00	102.71	60.67
16486.000	1.00	0.00	0.00	565.50	1170.00	571.23	0.00	572.70	227.85	9.72	120.40	77.51
16486.000	1.00	0.00	0.00	565.50	1490.00	571.22	0.00	573.61	371.71	12.40	120.17	77.28
16486.000	1.00	0.00	0.00	565.50	2500.00	573.06	573.08	576.91	449.75	15.71	159.17	118.41
16530.000	45.00	578.30	573.50	565.90	620.00	570.45	0.00	570.96	76.10	5.28	165.30	71.07
16530.000	45.00	578.30	573.50	565.90	1170.00	571.51	0.00	572.70	97.90	6.59	285.77	119.20
16530.000	45.00	578.30	573.50	565.90	1490.00	572.33	0.00	573.61	83.34	6.96	369.07	163.22
16530.000	45.00	578.30	573.50	565.90	2500.00	577.61	0.00	577.77	15.34	4.45	1037.24	638.30
16700.000	170.00	0.00	0.00	566.50	620.00	571.70	0.00	571.43	43.52	4.55	241.72	94.20
16700.000	170.00	0.00	0.00	566.50	1170.00	573.45	0.00	573.70	57.53	5.19	433.98	191.23
16700.000	170.00	0.00	0.00	566.50	1490.00	574.25	0.00	574.52	55.55	5.47	541.22	249.55
16700.000	170.00	0.00	0.00	566.50	2500.00	577.87	0.00	578.03	15.50	4.71	1152.27	635.06
16920.000	220.00	0.00	0.00	568.30	575.00	572.87	0.00	573.20	78.95	5.37	181.70	64.95
16920.000	220.00	0.00	0.00	568.30	1085.00	574.42	0.00	574.78	84.30	6.09	315.21	133.01
16920.000	220.00	0.00	0.00	568.30	1380.00	575.16	0.00	575.55	66.34	6.42	385.21	177.55
16920.000	220.00	0.00	0.00	568.30	2330.00	578.23	0.00	578.55	38.92	6.11	718.88	411.77
17400.000	480.00	0.00	0.00	572.20	575.00	577.07	0.00	577.56	103.80	6.25	151.87	56.43
17400.000	480.00	0.00	0.00	572.20	1085.00	578.28	0.00	578.93	115.40	7.83	264.25	101.00
17400.000	480.00	0.00	0.00	572.20	1380.00	578.83	0.00	579.55	114.98	8.37	350.40	126.73
17400.000	480.00	0.00	0.00	572.20	2330.00	580.44	0.00	581.16	97.57	9.66	555.54	235.52
18550.000	1150.00	0.00	0.00	581.50	575.00	587.14	0.00	587.54	73.54	5.62	166.73	67.05
18550.000	1150.00	0.00	0.00	581.50	1085.00	588.66	0.00	589.13	70.06	6.63	318.47	129.63
18550.000	1150.00	0.00	0.00	581.50	1380.00	589.29	0.00	589.81	70.45	7.12	396.66	163.83
18550.000	1150.00	0.00	0.00	581.50	2330.00	590.61	0.00	591.25	76.95	8.46	592.32	262.23
19640.000	1090.00	0.00	0.00	590.30	575.00	595.33	0.00	595.62	74.44	5.11	211.40	65.65
19640.000	1090.00	0.00	0.00	590.30	1085.00	596.60	0.00	596.91	72.46	5.99	364.62	127.47
19640.000	1090.00	0.00	0.00	590.30	1380.00	597.00	0.00	597.53	70.40	6.33	449.30	164.47
19640.000	1090.00	0.00	0.00	590.30	2330.00	598.78	0.00	599.09	65.41	7.09	703.34	288.10

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CNSL	DIFWSP	DIFWSX	DIFWRS	TOPWID	XLCH
137400.000	4490.00	481.00	0.00	0.00	0.00	252.86	0.00
137400.000	5800.00	482.20	1.20	0.00	0.00	280.29	0.00
137400.000	6540.00	482.50	0.70	0.00	0.00	296.29	0.00
137400.000	8870.00	484.52	1.62	0.00	-0.08	333.22	0.00
210.000	1550.00	481.80	0.00	0.80	0.00	206.40	240.00
210.000	2850.00	482.98	1.18	0.78	0.00	257.78	240.00
210.000	3600.00	483.65	0.67	0.75	0.00	286.93	240.00
210.000	5930.00	485.31	1.66	0.80	0.00	330.64	240.00
1250.000	1550.00	487.59	0.00	5.79	0.00	80.37	1040.00
1250.000	2850.00	489.76	2.17	6.78	0.00	160.96	1040.00
1250.000	3600.00	490.53	0.77	6.87	0.00	185.29	1040.00
1250.000	5930.00	492.32	1.79	7.01	0.00	237.30	1040.00
1325.000	1550.00	488.87	0.00	1.28	0.00	136.33	75.00
1325.000	2850.00	490.99	2.12	1.23	0.00	148.69	75.00
1325.000	3600.00	491.77	0.78	1.24	0.00	221.32	75.00
1325.000	5930.00	493.57	1.80	1.25	0.00	273.51	75.00
1326.000	1550.00	488.78	0.00	-0.10	0.00	50.00	1.00
1326.000	2850.00	490.63	1.85	-0.36	0.00	50.00	1.00
1326.000	3600.00	491.67	1.04	-0.10	0.00	155.38	1.00
1326.000	5930.00	493.58	1.91	0.01	0.00	273.73	1.00
1355.000	1550.00	488.90	0.00	0.13	0.00	50.00	30.00
1355.000	2850.00	490.92	2.02	0.29	0.00	50.00	30.00
1355.000	3600.00	492.57	1.66	0.90	0.00	50.00	30.00
1355.000	5930.00	495.21	2.64	1.64	0.00	395.59	30.00
1356.000	1550.00	489.02	0.00	0.12	0.00	110.12	1.00
1356.000	2850.00	491.82	2.40	0.50	0.00	209.96	1.00
1356.000	3600.00	493.27	1.86	0.70	0.00	300.40	1.00
1356.000	5930.00	495.22	1.94	0.00	0.00	395.63	1.00
1550.000	1550.00	489.92	0.00	0.90	0.00	260.93	195.00
1550.000	2850.00	492.22	2.30	0.81	0.00	410.71	195.00
1550.000	3600.00	493.81	1.59	0.54	0.00	444.17	195.00
1550.000	5930.00	495.85	2.03	0.63	0.00	483.63	195.00
1900.000	1550.00	491.68	0.00	1.76	0.00	329.05	350.00
1900.000	2850.00	493.27	1.59	1.04	0.00	413.46	350.00
1900.000	3600.00	494.43	1.16	0.62	0.00	475.45	350.00
1900.000	5930.00	496.42	1.99	0.57	0.00	580.21	350.00
2400.000	1550.00	494.13	0.00	2.45	0.00	162.54	500.00
2400.000	2850.00	495.43	1.30	2.16	0.00	188.63	500.00
2400.000	3600.00	496.00	0.57	1.57	0.00	200.07	500.00
2400.000	5930.00	497.69	1.68	1.27	0.00	233.89	500.00
3180.000	1550.00	498.42	0.00	4.30	0.00	106.57	780.00
3180.000	2850.00	500.53	2.11	5.10	0.00	127.29	780.00
3180.000	3600.00	501.48	0.94	5.47	0.00	136.52	780.00
3180.000	5930.00	503.64	2.16	5.95	0.00	157.82	780.00

SECNO	U	CWSEL	DIFWSP	DIFW8X	DIFKWS	TOPWID	ALCH
4990.000	1410.00	507.24	0.00	8.81	0.00	105.61	1810.00
4990.000	2610.00	509.44	2.20	8.91	0.00	144.95	1810.00
4990.000	3290.00	510.44	1.00	8.96	0.00	158.80	1810.00
4990.000	5430.00	513.01	2.57	9.37	0.00	194.57	1810.00
9100.000	1240.00	522.86	0.00	15.62	0.00	200.40	4110.00
9100.000	2300.00	524.67	1.82	15.23	0.00	279.42	4110.00
9100.000	2910.00	525.45	0.78	15.02	0.00	313.20	4110.00
9100.000	4610.00	527.38	1.93	14.38	0.00	396.61	4110.00
9150.000	1240.00	523.04	0.00	0.16	0.00	210.97	50.00
9150.000	2300.00	524.86	1.83	0.19	0.00	289.02	50.00
9150.000	2910.00	525.65	0.78	0.19	0.00	322.41	50.00
9150.000	4810.00	527.57	1.92	0.18	0.00	405.08	50.00
9151.000	1240.00	522.85	0.00	-0.19	0.00	51.38	1.00
9151.000	2300.00	524.38	1.53	-0.40	0.00	52.00	1.00
9151.000	2910.00	524.96	0.58	-0.68	0.00	52.00	1.00
9151.000	4810.00	527.57	2.61	0.00	0.00	405.45	1.00
9170.000	1240.00	522.93	0.00	0.08	0.00	51.80	20.00
9170.000	2300.00	524.56	1.63	0.17	0.00	52.00	20.00
9170.000	2910.00	525.22	0.67	0.26	0.00	52.00	20.00
9170.000	4810.00	528.53	3.30	0.96	0.00	349.09	20.00
9171.000	1240.00	523.13	0.00	0.21	0.00	166.62	1.00
9171.000	2300.00	523.14	2.01	0.59	0.00	234.81	1.00
9171.000	2910.00	526.07	0.92	0.84	0.00	268.22	1.00
9171.000	4810.00	528.53	2.46	0.00	0.00	345.55	1.00
9340.000	1240.00	523.76	0.00	0.63	0.00	126.75	170.00
9340.000	2300.00	525.65	1.89	0.51	0.00	175.58	170.00
9340.000	2910.00	526.53	0.88	0.47	0.00	198.71	170.00
9340.000	4810.00	528.89	2.36	0.36	0.00	260.67	170.00
9900.000	1240.00	526.19	0.00	2.42	0.00	134.16	560.00
9900.000	2300.00	528.11	1.93	2.46	0.00	174.98	560.00
9900.000	2910.00	528.96	0.84	2.43	0.00	190.66	560.00
9900.000	4810.00	531.07	2.11	2.13	0.00	220.61	560.00
10500.000	960.00	528.20	0.00	2.01	0.00	192.11	600.00
10500.000	1795.00	530.05	1.85	1.93	0.00	214.17	600.00
10500.000	2270.00	530.89	0.85	1.93	0.00	221.05	600.00
10500.000	3780.00	533.02	2.12	1.95	0.00	238.29	600.00
10900.000	960.00	529.59	0.00	1.40	0.00	154.59	400.00
10900.000	1795.00	531.19	1.60	1.14	0.00	175.46	400.00
10900.000	2270.00	531.96	0.77	1.07	0.00	185.50	400.00
10900.000	3780.00	533.99	2.03	0.97	0.00	211.89	400.00
11650.000	960.00	533.92	0.00	4.33	0.00	130.62	750.00
11650.000	1795.00	535.29	1.37	4.10	0.00	141.70	750.00
11650.000	2270.00	535.93	0.64	3.96	0.00	146.89	750.00
11650.000	3780.00	537.65	1.73	3.66	0.00	160.87	750.00

SECNO	D	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
12900.000	960.00	540.60	0.00	6.68	0.00	100.31	1250.00
12900.000	1795.00	542.33	1.73	7.04	0.00	113.18	1250.00
12900.000	2270.00	543.12	0.79	7.19	0.00	118.97	1250.00
12900.000	3780.00	545.13	2.01	7.47	0.00	133.85	1250.00
13500.000	960.00	543.83	0.00	5.23	0.00	195.04	600.00
13500.000	1795.00	545.35	1.52	5.02	0.00	211.00	600.00
13500.000	2270.00	546.08	0.74	2.97	0.00	218.71	600.00
13500.000	3780.00	548.06	1.97	2.93	0.00	239.31	600.00
13720.000	960.00	544.85	0.00	1.02	0.00	197.44	220.00
13720.000	1795.00	546.23	1.38	0.88	0.00	214.23	220.00
13720.000	2270.00	546.91	0.68	0.83	0.00	222.48	220.00
13720.000	3780.00	548.77	1.86	0.72	0.00	245.13	220.00
13721.000	960.00	544.24	0.00	-0.61	0.00	30.00	1.00
* 13721.000	1795.00	545.15	0.90	-1.06	0.00	30.00	1.00
* 13721.000	2270.00	545.97	0.82	-0.94	0.00	30.00	1.00
* 13721.000	3780.00	549.25	3.28	0.47	0.00	176.24	1.00
13740.000	960.00	544.27	0.00	0.02	0.00	30.00	20.00
* 13740.000	1795.00	545.54	1.28	0.34	0.00	30.00	20.00
* 13740.000	2270.00	546.44	0.90	0.47	0.00	30.00	20.00
13740.000	3780.00	551.06	4.64	1.83	0.00	273.91	20.00
13741.000	960.00	545.31	0.00	1.04	0.00	276.73	1.00
13741.000	1795.00	547.84	2.03	2.30	0.00	373.06	1.00
13741.000	2270.00	549.12	1.28	2.68	0.00	399.25	1.00
13741.000	3780.00	551.14	2.02	0.06	0.00	440.70	1.00
13860.000	960.00	545.74	0.00	0.43	0.00	273.26	120.00
13860.000	1795.00	547.99	2.25	0.15	0.00	365.68	120.00
13860.000	2270.00	549.28	1.23	0.10	0.00	391.08	120.00
13860.000	3780.00	551.23	2.01	0.04	0.00	432.35	120.00
14200.000	840.00	547.65	0.00	2.11	0.00	134.57	340.00
14200.000	1575.00	548.72	0.87	0.73	0.00	144.70	340.00
14200.000	2000.00	549.63	0.91	0.41	0.00	159.57	340.00
14200.000	3340.00	551.56	1.93	0.32	0.00	170.89	340.00
14500.000	840.00	551.16	0.00	3.51	0.00	89.48	300.00
14500.000	1575.00	552.56	1.40	3.84	0.00	106.92	300.00
14500.000	2000.00	552.91	0.35	3.28	0.00	111.41	300.00
14500.000	3340.00	554.17	1.26	2.61	0.00	127.06	300.00
15000.000	840.00	556.36	0.00	5.22	0.00	73.99	300.00
15000.000	1575.00	557.82	1.44	5.26	0.00	114.14	300.00
15000.000	2000.00	558.61	0.80	5.70	0.00	130.89	300.00
15000.000	3340.00	560.41	1.80	6.25	0.00	167.44	300.00
16400.000	620.00	569.94	0.00	13.56	0.00	88.25	1400.00
16400.000	1170.00	571.33	1.39	13.51	0.00	100.64	1400.00
16400.000	1490.00	571.85	0.52	13.23	0.00	104.72	1400.00
16400.000	2500.00	573.27	1.42	12.85	0.00	116.14	1400.00



SECNO	U.	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
16485.000	620.00	570.63	0.00	0.69	0.00	95.02	85.00
16485.000	1170.00	572.05	1.42	0.72	0.00	106.37	85.00
16485.000	1490.00	572.64	0.60	0.80	0.00	111.09	85.00
16485.000	2500.00	574.20	1.55	0.93	0.00	123.59	85.00
16486.000	620.00	570.39	0.00	-0.24	0.00	21.00	1.00
16486.000	1170.00	571.23	0.84	-0.81	0.00	21.00	1.00
16486.000	1490.00	571.22	-0.01	-1.42	0.00	21.00	1.00
16486.000	2500.00	573.08	1.86	-1.12	0.00	21.00	1.00
16530.000	620.00	570.45	0.00	0.06	0.00	90.40	45.00
16530.000	1170.00	571.51	1.06	0.28	0.00	98.90	45.00
16530.000	1490.00	572.33	0.82	1.11	0.00	105.42	45.00
16530.000	2500.00	577.61	5.28	4.53	0.00	147.67	45.00
16700.000	620.00	571.70	0.00	1.25	0.00	96.44	170.00
16700.000	1170.00	573.45	1.75	1.93	0.00	124.81	170.00
16700.000	1490.00	574.25	0.81	1.93	0.00	137.92	170.00
16700.000	2500.00	577.87	3.62	0.26	0.00	203.15	170.00
16920.000	575.00	572.87	0.00	1.17	0.00	80.99	220.00
16920.000	1085.00	574.42	1.55	0.97	0.00	91.63	220.00
16920.000	1380.00	575.16	0.74	0.91	0.00	96.74	220.00
16920.000	2330.00	578.23	3.07	0.56	0.00	117.86	220.00
17400.000	575.00	577.07	0.00	4.19	0.00	79.39	480.00
17400.000	1085.00	578.26	1.20	3.84	0.00	108.16	480.00
17400.000	1380.00	578.83	0.57	3.67	0.00	121.95	480.00
17400.000	2330.00	580.44	1.61	2.20	0.00	154.70	480.00
18550.000	575.00	587.14	0.00	10.07	0.00	81.23	1150.00
18550.000	1085.00	588.66	1.52	10.39	0.00	117.82	1150.00
18550.000	1380.00	589.29	0.64	10.46	0.00	132.80	1150.00
18550.000	2330.00	590.61	1.32	10.18	0.00	157.96	1150.00
19640.000	575.00	595.35	0.00	8.21	0.00	108.58	1090.00
19640.000	1085.00	596.60	1.25	7.94	0.00	136.21	1090.00
19640.000	1380.00	597.20	0.60	7.91	0.00	149.30	1090.00
19640.000	2330.00	598.72	1.52	8.11	0.00	182.53	1090.00

SUMMARY OF ERRORS

CAUTION SECNO=13721.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO=13721.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO=13721.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 CAUTION SECNO=13721.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO=13721.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO=13721.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 CAUTION SECNO=13721.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO=13721.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO=13721.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 CAUTION SECNO=13740.000 PROFILE= 2 HYDRAULIC JUMP D.S.  
 CAUTION SECNO=13740.000 PROFILE= 3 HYDRAULIC JUMP D.S.

CAUTION SECNO=16486.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO=16486.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01.02  
 MODIFICATION - 50,51,52,53  
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T1 ORANGE COUNTY FIA STUDY  
 T2 WEST BRANCH PRICE CREEK  
 T3 50-YR FLOOD APR 1978 CWF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	3.	0.	1.	0.000000	0.00	0.0	0.	425.900	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 2

CCHV= 0.100 CCHVE= 0.300  
 \*SECNO 3200.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VDL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL DEPTH ASSUMED								
3200.00	4.59	424.29	424.29	425.90	426.21	1.92	0.00	0.00	423.70
758.	1.	756.	1.	1.	68.	1.	0.	0.	423.70
0.00	1.13	11.13	1.10	0.120	0.060	0.120	0.000	419.70	996.95
0.043442	0.	0.	0.	0	14	0	0.00	21.80	1018.75

\*SECNO 2880.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VDL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3691 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

OPW-3 SURVEYED VALLEY SECTION

2880.00	3.53	419.13	419.13	0.00	420.52	1.39	12.19	5.60	416.20
758.	46.	698.	14.	16.	71.	6.	1.	0.	417.00
0.01	2.86	9.83	2.27	0.120	0.060	0.120	0.060	415.60	988.97
0.033686	320.	320.	320.	20	15	0	0.00	38.71	1027.68

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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T1 ORANGE COUNTY FIA STUDY  
 T2 WEST BRANCH PRICE CREEK  
 T3 100-YR FLOOD APR 1978 CWI

J1	ICHECK	IND	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FU
	-10.	4.	0.	1.	0.000000	0.00	0.0	0.	426.700	0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IOW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PRUF 3

CCHV= 0.100 CEHV= 0.300

\*SECNO 3200.000

SECNO	DEPTH	CWSEL	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CDRAK	TOPWID	ENDST
3720	CRITICAL	DEPTH	ASSUMED						
3200.00	5.48	425.18	425.18	426.70	427.27	2.09	0.00	0.00	423.70
989.	11.	472.	0.	6.	83.	3.	0.	0.	423.70
0.00	1.91	11.70	1.87	0.120	0.060	0.120	0.000	419.70	992.33
0.036713	0.	0.	0.	0	14	0	0.00	29.08	1021.41

\*SECNO 2880.000

SECNO	DEPTH	CWSEL	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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CDRAK	TOPWID	ENDST
3685	20 TRIALS	ATTEMPTED	WSEL,CWSEL						
3693	PROBABLE	MINIMUM	SPECIFIC ENERGY						
3720	CRITICAL	DEPTH	ASSUMED						

OPW-3 SURVEYED VALLEY SECTION

2880.00	4.11	419.71	419.71	0.00	421.31	1.60	10.87	4.84	416.20
989.	73.	891.	25.	23.	84.	10.	1.	0.	417.00
0.01	3.13	10.63	2.58	0.120	0.060	0.120	0.060	415.60	986.77
0.031537	320.	320.	320.	20	15	0	0.00	42.46	1029.24

\*SECNO 2460.000

2460.00	4.78	407.58	407.73	0.00	408.79	1.20	12.40	0.12	404.70
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 REE2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 001,02  
 MODIFICATION - 30,51,32,33  
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T1 ORANGE COUNTY FIA STUDY  
 T2 STROUDS CREEK  
 T3 100YR NATURAL PROFILE JUN 1978 CHF

J1	ICHECK	INU	NINV	IDIR	SINI	METRIC	HVINS	G	WSEL	FR
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	462.800	0.0000
J2	RPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDL	IBW	CHNIN	ITRACE
	1.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	1.000	3.000	41.000	42.000	5.000	43.000	0.000	38.000	1.000
	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000
NC	0.100	0.100	0.050	0.100	0.300	0.000	0.000	0.000	0.000	0.000
DI	5.000	4490.000	5800.000	6540.000	8870.000	6540.000	0.000	0.000	0.000	0.000
EI	0.000	0.000	0.000	0.000	0.000	3.400	0.000	0.000	0.000	0.000

END RIVER VALLEY SECTION

XI	137400.000	15.000	1000.000	1008.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	500.000	625.000	474.000	750.000	400.000	930.000	478.200	1000.000	472.000	1004.000
GR	470.900	1014.000	470.400	1024.000	469.800	1034.000	469.100	1044.000	469.400	1054.000
GR	470.700	1005.000	470.500	1008.000	400.000	1160.000	490.000	1200.000	500.000	1700.000
NC	0.120	0.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DI	5.000	1550.000	2050.000	3000.000	5930.000	3000.000	0.000	0.000	0.000	0.000
EI	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1110.000	0.000	0.000

USR-1 VALLEY

XI	210.000	15.000	1000.000	1025.000	240.000	240.000	240.000	0.000	0.000	0.000
GR	500.100	885.000	494.500	908.000	495.000	919.000	495.200	934.000	479.900	905.000
GR	479.300	1000.000	474.400	1005.000	473.500	1013.000	474.400	1021.000	476.500	1025.000
GR	478.500	1085.000	481.600	1185.000	464.300	1285.000	492.400	1385.000	499.400	1451.000
EI	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1053.000	0.000	0.000

XI	1250.000	11.000	1000.000	1040.000	1040.000	1040.000	1040.000	0.000	0.000	0.000
GR	510.000	500.000	500.000	860.000	490.000	950.000	486.500	1000.000	487.000	1005.000
GR	481.600	1020.000	483.000	1035.000	486.500	1040.000	490.000	1120.000	500.000	1320.000
GR	510.000	1500.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EI	0.000	0.000	0.000	0.000	0.000	7.100	998.000	1048.000	0.000	0.000

XI	1725.000	17.000	1998.000	1048.000	75.000	75.000	75.000	0.000	0.000	0.000
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X3	10,000	01,000	100,000	10,000	100,000	0,000	10,000	100,000	10,000	100,000
GR	510,000	500,000	500,000	800,000	490,000	950,000	480,700	990,000	484,900	1003,000
GR	483,700	1008,1000	482,900	1013,000	482,600	1018,000	483,200	1023,000	482,300	1028,000
GR	482,400	1035,000	482,000	1038,000	483,000	1043,000	485,300	1048,000	490,000	1120,000
GR	500,000	1320,000	510,000	1500,000	0,000	0,000	0,000	0,000	0,000	0,000
SB	1,250	1,500	2,000	0,000	44,400	1,000	296,000	0,410	483,100	483,000
ET	0,000	0,000	0,000	0,000	0,000	7,110	998,000	1048,000	0,000	0,000

USR-2 ST MARYS RD (SR 1002)

X1	1355,000	17,000	992,000	1048,000	30,000	30,000	30,000	0,000	0,000	0,000
X2	0,000	0,000	1,000	491,900	492,800	0,000	0,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	494,500	492,500	0,000
BT	13,000	627,000	508,800	0,000	727,000	505,300	0,000	827,000	500,500	0,000
BT	927,000	495,700	0,000	998,000	494,000	491,700	1048,000	493,900	491,700	1127,000
BT	492,800	0,000	1227,000	494,100	0,000	1327,000	495,600	0,000	1427,000	497,900
BT	0,000	1327,000	500,400	0,000	1027,000	504,700	0,000	1127,000	500,800	0,000
GR	510,000	700,000	500,000	820,000	490,000	940,000	486,700	998,000	484,900	1003,000
GR	483,700	1008,000	482,900	1013,000	482,600	1018,000	483,200	1023,000	482,300	1028,000
GR	482,400	1033,000	482,600	1038,000	483,000	1043,000	485,300	1048,000	490,000	1080,000
GR	500,000	1450,000	510,000	1670,000	0,000	0,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	885,000	1071,000	0,000	0,000

USR-3 VALLEY

X1	1550,000	17,000	1000,000	1043,000	350,000	350,000	350,000	0,000	0,000	0,000
GR	509,300	658,000	492,300	758,000	489,900	858,000	488,300	958,000	488,400	1000,000
GR	483,900	1004,030	483,400	1015,000	482,900	1033,000	488,000	1043,000	484,000	1058,000
GR	491,200	1158,000	498,000	1258,000	504,300	1358,000	509,800	1423,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	920,000	1160,000	0,000	0,000

X1	1900,000	9,000	1000,000	1040,000	350,000	350,000	350,000	0,000	0,000	0,000
GR	500,000	0,000	490,000	700,000	489,500	1000,000	480,000	1030,000	480,500	1020,000
GR	486,000	1030,000	485,500	1040,000	490,000	1140,000	500,000	1370,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	500,000	1000,000	0,000	0,000

X1	2400,000	13,000	1000,000	1050,000	500,000	500,000	500,000	0,000	0,000	0,000
GR	520,000	0,000	510,000	720,000	500,000	890,000	492,000	950,000	492,000	1000,000
GR	489,000	1005,000	486,800	1018,000	488,000	1030,000	492,000	1030,000	493,000	1090,000
GR	500,000	1170,000	510,000	1390,000	520,000	1420,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	950,000	1060,000	0,000	0,000

USR-4 VALLEY

X1	3140,000	12,000	1000,000	1031,000	700,000	700,000	700,000	0,000	0,000	0,000
GR	519,100	79,000	507,200	891,000	495,900	969,000	495,900	991,000	495,200	1000,000
GR	491,400	100,000	496,300	1016,000	492,000	1029,000	494,500	1031,000	490,600	1007,000
GR	509,700	109,000	516,100	1106,000	0,000	0,000	0,000	0,000	0,000	0,000
BT	5,000	141,000	0,000	3290,000	5430,000	3290,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	952,000	1055,000	0,000	0,000

USR-5 VALLEY

X1	4900,000	1,000	1000,000	1036,000	1010,000	1010,000	1010,000	0,000	0,000	0,000
GR	529,500	72,000	516,900	827,000	508,400	927,000	504,100	1000,000	500,600	1003,000
GR	500,300	101,000	500,600	1023,000	500,900	1027,000	503,500	1036,000	524,700	1129,000
BT	5,000	124,000	2300,000	2910,000	4810,000	2910,000	0,000	0,000	0,000	0,000
ET	0,000	0,000	0,000	0,000	0,000	7,100	981,000	1047,000	0,000	0,000

X1	9100.000	10.000	1000.000	1030.000	4110.000	4130.000	4110.000	200.000	0.000	0.000
GR	540.000	750.000	530.000	870.000	520.000	970.000	519.500	1000.000	516.000	1000.000
GR	514.400	1015.000	516.000	1025.000	519.500	1030.000	530.000	1380.000	540.000	1010.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	900.000	1091.000	0.000	0.000

USR-6 MILLER RD(SR 1555)

X1	9170.000	14.000	990.000	1042.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	520.000	527.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	520.500	528.500	0.000
BT	13.000	740.000	541.300	0.000	848.000	532.200	0.000	890.000	523.100	0.000
BT	948.000	527.800	0.000	990.000	528.100	526.600	1042.000	528.100	526.600	1048.000
BT	526.100	0.000	1070.000	527.500	0.000	1100.000	527.500	0.000	1248.000	528.600
BT	0.000	1348.000	531.400	0.000	1448.000	535.300	0.000	1548.000	541.300	0.000
GR	540.000	770.000	530.000	860.000	520.000	990.000	520.500	1000.000	516.200	1005.000
GR	516.600	1010.000	515.100	1015.000	514.700	1020.000	516.200	1025.000	518.700	1030.000
GR	523.000	1042.000	520.000	1050.000	530.000	1220.000	540.000	1500.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	976.000	1065.000	0.000	0.000

USR-7 VALLEY

X1	9340.000	13.000	1000.000	1029.000	170.000	170.000	170.000	0.000	0.000	0.000
GR	542.400	815.000	532.100	915.000	521.000	570.000	521.500	1000.000	516.200	1002.000
GR	516.100	1011.000	516.500	1020.000	521.000	1029.000	522.700	1001.000	525.500	1115.000
GR	530.000	1215.000	532.400	1315.000	542.000	1340.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	968.000	1059.000	0.000	0.000

X1	9900.000	11.000	1000.000	1026.000	560.000	560.000	560.000	0.000	0.000	0.000
GR	540.000	860.000	530.000	920.000	523.000	970.000	522.500	1000.000	519.500	1004.000
GR	510.800	1013.000	519.500	1021.000	522.500	1026.000	523.000	1050.000	530.000	1130.000
GR	540.000	1170.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	5.000	960.000	1795.000	2270.000	3160.000	2270.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	968.000	1040.000	0.000	0.000

USR-8 VALLEY

X1	10500.000	11.000	1000.000	1022.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	545.000	735.000	529.100	835.000	527.000	864.000	525.500	935.000	520.700	1000.000
GR	521.900	1003.000	521.700	1011.000	522.100	1019.000	524.500	1022.000	520.000	1035.000
GR	546.000	1079.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1102.000	0.000	0.000

X1	10900.000	10.000	1000.000	1023.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	540.000	870.000	530.000	970.000	527.000	1000.000	524.500	1003.000	523.900	1012.000
GR	524.500	1020.000	527.000	1023.000	528.500	1125.000	530.000	1170.000	540.000	1160.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	976.000	1064.000	0.000	0.000

X1	11650.000	11.000	1000.000	1024.000	750.000	750.000	750.000	0.000	0.000	0.000
GR	550.000	850.000	540.000	920.000	532.000	965.000	531.000	1000.000	529.000	1003.000
GR	528.000	1012.000	529.000	1021.000	531.000	1020.000	532.000	1080.000	540.000	1100.000

GR	550.000	1170.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1029.000	0.000	0.000
X1	12900.000	11.000	1000.000	1027.000	1250.000	1250.000	1250.000	0.000	0.000	0.000
GR	560.000	850.000	550.000	910.000	540.000	940.000	538.500	950.000	538.000	1000.000
GR	535.500	1003.000	534.800	1013.000	535.500	1023.000	538.000	1027.000	550.000	1080.000
GR	560.000	1140.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	989.000	1115.000	0.000	0.000

X1	13500.000	15.000	1000.000	1030.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	570.000	700.000	560.000	860.000	550.000	920.000	542.000	970.000	541.500	1000.000
GR	539.000	1005.000	536.100	1015.000	539.000	1025.000	541.500	1030.000	543.000	1150.000
GR	550.000	1180.000	560.000	1280.000	570.000	1400.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1030.000	0.000	0.000

X1	13720.000	15.000	1000.000	1030.000	220.000	220.000	220.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	549.500	549.000	0.000
GR	570.000	700.000	560.000	860.000	550.000	920.000	543.000	970.000	543.700	1000.000
GR	541.000	1005.000	539.500	1010.000	539.300	1015.000	539.800	1020.000	540.000	1025.000
GR	541.500	1030.000	544.000	1150.000	550.000	1180.000	560.000	1280.000	570.000	1400.000
GR	1.000	1.500	2.000	0.000	27.000	0.100	242.000	0.260	540.100	340.000
ET	0.000	0.000	0.000	0.000	0.000	7.110	1000.000	1030.000	0.000	0.000

OSK-9 BURKE RD (SK 1550)

X1	13740.000	19.000	1000.000	1030.000	20.000	20.000	20.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	548.300	549.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	551.500	550.500	0.000
BT	13.000	692.000	562.300	0.000	742.000	555.800	0.000	892.000	551.300	0.000
BT	992.000	550.500	0.000	1000.000	550.500	548.300	1030.000	550.500	548.300	1092.000
BT	549.400	0.000	1192.000	549.500	0.000	1292.000	550.100	0.000	1392.000	551.800
BT	0.000	1492.000	554.700	0.000	1592.000	559.100	0.000	1664.000	562.300	0.000
GR	565.200	675.000	559.800	765.000	557.800	784.000	553.500	807.000	547.500	875.000
GR	543.000	975.000	543.700	1000.000	541.100	1005.000	539.600	1010.000	539.400	1015.000
GR	539.900	1020.000	540.100	1025.000	541.600	1030.000	543.600	1075.000	544.400	1175.000
GR	546.400	1231.000	551.300	1075.000	563.700	1375.000	565.700	1410.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	973.000	1145.000	0.000	0.000

OSK-10 VALLEY

X1	13860.000	17.000	1000.000	1029.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	565.700	675.000	560.300	765.000	558.300	784.000	554.000	807.000	548.000	875.000
GR	543.500	975.000	543.700	1000.000	540.600	1004.000	546.200	1013.000	541.300	1023.000
GR	543.500	1029.000	544.100	1075.000	544.900	1175.000	546.900	1231.000	551.700	1275.000
GR	564.200	1175.000	566.200	1410.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	5.000	840.000	1575.000	2000.000	3340.000	2000.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	969.000	1080.000	0.000	0.000

X1	14200.000	10.000	1000.000	1028.000	340.000	340.000	340.000	0.000	0.000	0.000
GR	560.000	930.000	550.000	970.000	546.500	1000.000	544.000	1003.000	543.400	1014.000
GR	544.000	1025.000	546.500	1020.000	547.000	1120.000	550.000	1130.000	560.000	1160.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1060.000	0.000	0.000

X1	14500.000	11.000	1000.000	1027.000	300.000	300.000	300.000	0.000	0.000	0.000
GR	570.000	850.000	560.000	925.000	550.000	975.000	549.000	1000.000	547.000	1003.000
GR	546.300	1013.000	547.000	1023.000	549.000	1027.000	550.000	1050.000	560.000	1125.000
GR	570.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1077.000	0.000	0.000

XI	15000.000	12.000	1000.000	1024.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	1580.000	800.000	1570.000	1900.000	1560.000	1970.000	1554.000	1000.000	1552.000	1004.000
GR	551.200	1012.000	552.000	1020.000	554.000	1024.000	555.000	1050.000	560.000	1120.000
GR	570.000	1240.000	580.000	1360.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	0.000	1170.000	1490.000	2500.000	1490.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1040.000	0.000	0.000

XI	16400.000	11.000	1000.000	1021.000	1400.000	1400.000	1400.000	0.000	0.000	0.000
GR	590.000	880.000	580.000	940.000	570.000	970.000	567.500	1000.000	565.500	1003.000
GR	564.600	1010.000	565.500	1017.000	567.500	1021.000	570.000	1040.000	580.000	1116.000
GR	590.000	1180.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	1000.000	1021.000	0.000	0.000

XI	16425.000	10.000	1000.000	1021.000	85.000	85.000	85.000	0.000	0.000	0.000
X2	10.000	0.000	0.000	0.000	0.000	0.000	0.000	575.000	575.000	0.000
GR	590.000	880.000	580.000	940.000	570.000	970.000	567.500	1000.000	565.500	1000.000
GR	565.200	1021.000	567.500	1021.000	570.000	1000.000	580.000	1110.000	590.000	1100.000
SB	1.250	1.300	3.000	0.000	21.000	0.500	164.000	0.000	565.900	565.500
ET	0.000	0.000	0.000	0.000	0.000	7.110	1000.000	1021.000	0.000	0.000

OSK-11 NC HWY 51

X1	16530.000	0.000	0.000	0.000	45.000	45.000	45.000	0.000	0.400	0.000
X2	0.000	0.000	1.000	573.500	576.300	0.000	0.000	0.000	0.000	0.000
BT	13.000	572.000	588.900	0.000	672.000	586.600	0.000	772.000	584.400	0.000
BT	572.000	582.000	0.000	972.000	580.000	0.000	1000.000	579.700	573.500	1021.000
BT	579.300	573.500	1072.000	578.700	0.000	1172.000	578.300	0.000	1272.000	578.700
BT	0.000	1372.000	580.000	0.000	1472.000	581.900	0.000	1672.000	585.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	958.000	1035.000	0.000	0.000

OSK-12 VALLEY

X1	16700.000	12.000	1000.000	1019.000	170.000	170.000	170.000	0.000	0.000	0.000
GR	589.700	654.000	587.500	754.000	578.800	854.000	570.400	954.000	568.200	1000.000
GR	561.700	1003.000	568.700	1009.000	566.500	1010.000	568.000	1015.000	576.100	1054.000
GR	588.600	1154.000	589.600	1163.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	575.000	1085.000	1580.000	2330.000	1380.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	983.000	1034.000	0.000	0.000

X1	16920.000	13.000	1000.000	1019.000	220.000	220.000	220.000	0.000	0.000	0.000
GR	600.000	350.000	590.000	850.000	580.000	950.000	572.000	970.000	570.000	1000.000
GR	569.000	1003.000	568.500	1009.000	569.000	1015.000	570.000	1010.000	575.000	1045.000
GR	560.000	1060.000	590.000	1160.000	600.000	1240.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	983.000	1023.000	0.000	0.000

X1	17400.000	11.000	1000.000	1010.000	480.000	480.000	480.000	0.000	0.000	0.000
GR	595.000	800.000	590.000	850.000	580.000	950.000	574.500	1000.000	573.000	1003.000
GR	572.200	1009.000	573.000	1015.000	574.500	1018.000	580.000	1080.000	590.000	1140.000
GR	600.000	1196.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	981.000	1031.000	0.000	0.000

X1	18550.000	11.000	1000.000	1010.000	1150.000	1150.000	1150.000	0.000	0.000	0.000
GR	610.000	800.000	600.000	850.000	590.000	920.000	584.500	1000.000	582.500	1003.000
GR	581.500	1009.000	582.500	1015.000	584.500	1018.000	590.000	1070.000	600.000	1120.000
GR	610.000	1200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	954.000	1023.000	0.000	0.000





\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01.02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

11 ORANGE COUNTY FIA STUDY  
 12 STROUDS CREEK  
 13 100YR FLOODWAY PROFILE JUN 1978 CWF

J1	ICRECK	TNO	NIN	IDIR	STRT	PETRIC	RVINS	G	WSEL	PG
	-10.	0.	0.	0.	0.000000	0.00	0.0	0.	483.800	0.000
J2	RPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHRM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

\*PROF 2

CCHV= 0.100 CERV= 0.300  
 \*SEENO 137400.000  
 2800 NAT W1= 1486.46 WSEL= 482.80 LNC W1= 1486.46 WSEL= 483.60 RATIO= 0.0000  
 NAT W1= 1728: RATIO LCB,CH,ROB= 0.0844 0.7779 0.1377 WSEL= 483.60  
 SEENO DEPTH CWSEL CRINS WSELK LG HV HL CLOS5 BANK ELEV  
 Q QLOB QCH GRUB ALOB ACH ARUB VOL TWA LEFT/RIGHT  
 TIME VLOB VCH VRUB XNL XNCH XNR RTN CLMIN SSTA  
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICOUNT CORAR TUPWID ENDSI

3470 ENCROACHMENT STATIONS= 988.0 1107.3 TYPE= 4 TARGET= 0.140

ENO RIVER VALLEY SECTION

157400.00	14.70	483.80	0.00	482.80	484.43	0.63	0.00	0.00	478.20
6540.	101.	5910.	524.	65.	885.	257.	0.	0.	476.50
0.00	1.55	6.68	2.04	0.100	0.050	0.100	0.000	469.10	988.02
0.001840	0.	0.	0.	0	0	0	0.00	119.23	1107.50

FLOW DISTRIBUTION FOR SEENO= 137400.00 CWSEL= 483.80

STA=	988.	1000.	1068.	1107.
PER W=	1.5	40.5	6.0	
AREA=	65.2	884.9	257.2	
VEL=	1.5	6.7	2.0	

\*SEENO 210.000

3470 ENCROACHMENT STATIONS= 987.0 1116.0 TYPE= 1 TARGET= 129.000

GRK-1 VALLEY

210.00	11.68	484.58	0.00	483.58	485.03	0.45	0.58	0.02	479.36
3600.	130.	1755.	1716.	65.	245.	598.	6.	1.	476.50
0.01	1.98	7.15	2.87	0.120	0.060	0.120	0.060	473.50	987.00
0.004529	240.	240.	240.	2	0	0	0.00	129.00	1116.00

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

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

R NATURAL PROFILE JUN 1

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	TORNS	H
137400.000	482.80	483.34	0.00	469.10	19.38	6540.00
137400.000	483.80	484.43	0.00	469.10	18.40	6540.00
210.000	483.58	483.98	0.00	473.50	52.75	3600.00
210.000	484.58	485.03	0.00	473.50	45.24	3600.00
1250.000	490.58	491.74	0.00	481.60	105.41	3600.00
1250.000	490.81	491.99	0.00	481.60	100.40	3600.00
1325.000	491.24	492.53	0.00	482.30	96.17	3600.00
1325.000	491.56	492.76	0.00	482.30	101.84	3600.00
1355.000	492.08	493.14	491.90	482.30	64.71	3600.00
1355.000	492.53	493.49	491.90	482.30	73.15	3600.00
1550.000	493.65	493.80	0.00	482.90	15.98	3600.00
1550.000	494.01	494.29	0.00	482.90	22.99	3600.00
1900.000	494.53	494.56	0.00	484.50	25.51	3600.00
1900.000	494.95	495.27	0.00	484.50	33.89	3600.00
2400.000	496.02	496.87	0.00	486.80	89.07	3600.00
2400.000	496.94	497.74	0.00	486.80	67.75	3600.00
3180.000	501.47	502.14	0.00	490.30	52.77	3600.00
3180.000	501.62	502.28	0.00	490.30	50.30	3600.00
4990.000	510.44	511.04	0.00	500.30	45.52	3290.00
4990.000	510.52	511.20	0.00	500.30	44.02	3290.00
9100.000	525.45	525.72	0.00	514.40	27.92	2910.00
9100.000	526.44	526.85	0.00	514.40	30.06	2910.00
9150.000	525.07	526.24	0.00	514.70	111.50	2910.00
9150.000	526.37	527.18	0.00	514.70	61.73	2910.00
9170.000	525.31	526.32	526.60	514.70	87.04	2910.00
9170.000	526.61	527.32	0.00	514.70	60.49	2910.00

SECNO	CNSEL	EG	ELLC	ELMIN	10K*5	Q
9340.000	526.92	527.30	0.00	516.10	36.91	2910.00
9340.000	527.64	528.17	0.00	516.10	40.40	2910.00
9900.000	529.02	529.57	0.00	518.80	36.99	2910.00
9900.000	529.87	530.32	0.00	518.80	36.03	2910.00
10500.000	530.91	531.05	0.00	521.70	19.86	2270.00
10500.000	531.72	531.86	0.00	521.70	17.32	2270.00
10900.000	531.97	532.28	0.00	523.90	48.65	2270.00
10900.000	532.62	533.00	0.00	523.90	46.49	2270.00
11650.000	535.92	536.33	0.00	528.00	59.28	2270.00
11650.000	536.58	537.12	0.00	528.00	63.96	2270.00
12900.000	543.12	543.62	0.00	534.80	58.45	2270.00
12900.000	543.73	544.26	0.00	534.80	51.31	2270.00
13500.000	546.09	546.32	0.00	538.10	35.82	2270.00
13500.000	546.68	547.01	0.00	538.10	40.54	2270.00
13720.000	546.12	548.88	0.00	539.30	304.84	2270.00
13720.000	547.37	549.38	0.00	539.30	213.45	2270.00
* 13740.000	546.44	548.93	548.30	539.40	269.97	2270.00
13740.000	547.74	549.41	548.30	539.40	191.23	2270.00
13860.000	549.43	549.49	0.00	546.20	9.38	2270.00
13860.000	549.89	550.01	0.00	540.20	15.22	2270.00
14200.000	549.78	550.33	0.00	543.40	95.62	2000.00
14200.000	550.49	551.15	0.00	543.40	65.73	2000.00
14500.000	552.85	553.75	0.00	546.30	127.08	2000.00
14500.000	553.22	553.99	0.00	546.30	102.58	2000.00
15000.000	558.65	559.43	0.00	551.20	100.40	2000.00
15000.000	558.52	559.34	0.00	551.20	112.62	2000.00
16400.000	571.81	572.39	0.00	564.60	83.14	1490.00
16400.000	572.36	573.10	0.00	564.60	82.07	1490.00
16485.000	572.08	573.88	0.00	565.50	241.85	1490.00
16485.000	572.54	574.25	0.00	565.50	208.23	1490.00
16530.000	572.44	573.88	573.50	565.90	76.63	1490.00
16530.000	573.16	574.64	573.50	565.90	224.39	1490.00
16700.000	574.46	574.70	0.00	566.50	31.49	1490.00
16700.000	575.47	575.72	0.00	566.50	24.92	1490.00
16920.000	575.27	575.64	0.00	568.30	56.35	1380.00
16920.000	576.06	576.60	0.00	568.30	59.69	1380.00
17400.000	578.80	579.54	0.00	572.20	118.35	1380.00
17400.000	579.51	580.32	0.00	572.20	99.56	1380.00

SECNO	CWSEL	EG	ELLC	ELMIN	10K*9	Q
18550.000	589.31	589.82	0.00	581.50	69.63	1380.00
18550.000	589.70	590.41	0.00	581.50	77.67	1380.00
19640.000	597.18	597.52	0.00	590.30	71.39	1380.00
19640.000	597.84	598.25	0.00	590.30	66.29	1380.00

R NATURAL PROFILE JUN 1

SUMMARY PRINTOUT

SECNO	CASEL	SSIA	STCHL	STCHR	ENDST	TOTRID
137400.000	482.80	874.00	1000.00	1000.00	1100.00	274.00
137400.000	483.80	988.02	1000.00	1068.00	1107.25	119.23
210.000	483.58	972.71	1000.00	1025.00	1256.47	283.76
210.000	484.58	987.00	1000.00	1025.00	1116.00	129.00
1250.000	490.58	944.77	1000.00	1040.00	1151.62	150.05
1250.000	490.81	983.00	1000.00	1040.00	1093.00	110.00
1325.000	491.24	998.00	998.00	1048.00	1048.00	50.00
1325.000	491.56	998.00	998.00	1048.00	1048.00	50.00
1355.000	492.08	998.00	998.00	1048.00	1048.00	50.00
1355.000	492.53	998.00	998.00	1048.00	1048.00	50.00
1550.000	493.65	750.07	1000.00	1043.00	1191.09	441.62
1550.000	494.01	885.00	1000.00	1043.00	1071.00	186.00
1900.000	494.33	770.33	1000.00	1040.00	1235.41	469.09
1900.000	494.95	920.00	1000.00	1040.00	1108.00	188.00
2400.000	496.02	924.13	1000.00	1036.00	1124.49	200.37
2400.000	496.94	960.00	1000.00	1036.00	1080.00	120.00
3100.000	501.47	930.50	1000.00	1031.00	1067.01	136.45
3180.000	501.62	950.00	1000.00	1031.00	1060.00	110.00
4990.000	510.44	907.59	1000.00	1036.00	1066.43	158.84
4990.000	510.52	952.00	1000.00	1036.00	1055.00	102.00
9100.000	525.45	915.45	1000.00	1030.00	1228.57	313.15
9100.000	526.44	981.00	1000.00	1030.00	1087.00	106.00
9150.000	525.07	990.00	990.00	1042.00	1042.00	52.00
9150.000	526.37	990.00	990.00	1042.00	1042.00	52.00
9170.000	525.51	990.00	990.00	1042.00	1042.00	52.00
9170.000	526.61	990.00	990.00	1042.00	1042.00	52.00
9340.000	526.92	940.67	1000.00	1029.00	1149.47	208.80
9340.000	527.64	976.00	1000.00	1029.00	1065.00	89.00
9900.000	529.02	927.01	1000.00	1026.00	1116.76	191.77
9900.000	529.87	968.00	1000.00	1026.00	1059.00	91.00
10500.000	530.91	824.17	1000.00	1022.00	1045.38	221.21
10500.000	531.72	886.00	1000.00	1022.00	1036.00	150.00
10900.000	531.97	950.33	1000.00	1023.00	1135.90	185.57
10900.000	532.62	987.00	1000.00	1023.00	1102.00	115.00
11650.000	535.92	942.93	1000.00	1024.00	1089.81	146.88
11650.000	536.56	976.00	1000.00	1024.00	1064.00	88.00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
12900.000	543.12	930.64	1000.00	1027.00	1049.61	118.97
12900.000	543.73	955.00	1000.00	1027.00	1039.00	84.00
13500.000	546.09	944.49	1000.00	1030.00	1183.20	218.71
13500.000	546.66	969.00	1000.00	1030.00	1115.00	126.00
13720.000	546.12	1000.00	1000.00	1030.00	1030.00	30.00
13720.000	547.37	1000.00	1000.00	1030.00	1030.00	30.00
13740.000	546.44	1000.00	1000.00	1030.00	1030.00	30.00
13740.000	547.74	1000.00	1000.00	1030.00	1030.00	30.00
13860.000	549.43	858.81	1000.00	1029.00	1254.18	395.38
13860.000	549.89	973.00	1000.00	1029.00	1145.00	172.00
14200.000	549.78	971.90	1000.00	1028.00	1129.28	157.36
14200.000	550.49	989.00	1000.00	1028.00	1080.00	91.00
14500.000	552.85	960.75	1000.00	1027.00	1071.37	110.62
14500.000	553.22	970.00	1000.00	1027.00	1060.00	90.00
15000.000	558.85	976.74	1000.00	1024.00	1108.43	131.69
15000.000	558.52	987.00	1000.00	1024.00	1077.00	90.00
16400.000	571.81	964.58	1000.00	1021.00	1069.05	104.45
16400.000	572.36	985.00	1000.00	1021.00	1040.00	55.00
16485.000	572.88	1000.00	1000.00	1021.00	1021.00	21.00
16485.000	572.94	1000.00	1000.00	1021.00	1021.00	21.00
16530.000	572.44	963.87	1000.00	1021.00	1070.21	106.34
16530.000	573.16	1000.00	1000.00	1021.00	1021.00	21.00
16700.000	574.46	965.71	1000.00	1019.00	1046.90	101.19
16700.000	575.47	958.00	1000.00	1019.00	1035.00	77.00
16920.000	575.27	961.83	1000.00	1019.00	1059.30	97.47
16920.000	576.86	982.00	1000.00	1019.00	1034.00	51.00
17400.000	578.80	945.33	1000.00	1018.00	1066.42	121.00
17400.000	579.51	983.00	1000.00	1018.00	1033.00	50.00
18550.000	589.31	936.04	1000.00	1018.00	1063.47	133.43
18550.000	589.70	961.00	1000.00	1018.00	1031.00	56.00
19640.000	597.18	897.17	1000.00	1017.00	1046.10	148.93
19640.000	597.84	954.00	1000.00	1017.00	1033.00	79.00

SUMMARY OF ERRORS

CAUTION SECNO=13740.000 INCL ILL=1 HYDRAULIC JUMP D.S.

FLOODWAY DATA, R. NATURAL PROFILE JUN-1  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
137400.000	119.	1207.	5.4	483.8	482.8	1.0
210.000	129.	909.	4.0	484.6	483.6	1.0
1250.000	110.	547.	6.6	490.8	490.6	0.2
1325.000	50.	410.	8.8	491.5	491.2	0.3
1555.000	50.	458.	7.9	492.8	492.1	0.7
1550.000	186.	1204.	3.0	494.0	493.6	0.4
1900.000	188.	1117.	3.2	494.9	494.3	0.6
2400.000	120.	697.	5.2	496.9	496.0	0.9
3180.000	110.	750.	4.8	501.7	501.5	0.2
4990.000	102.	669.	4.9	510.5	510.4	0.1
9100.000	106.	788.	5.1	526.5	525.5	1.0
9450.000	52.	403.	7.2	528.4	525.1	1.3
9170.000	52.	429.	6.6	526.6	525.3	1.3
9340.000	89.	660.	4.4	527.6	526.9	0.7
9900.000	91.	718.	4.1	529.8	529.0	0.8
10500.000	150.	1007.	2.3	531.7	530.9	0.8
10900.000	115.	848.	3.5	532.7	532.0	0.7
11650.000	88.	517.	4.4	536.5	535.9	0.6
12900.000	84.	521.	4.4	543.7	543.1	0.6
13500.000	126.	675.	3.4	546.7	546.1	0.6
13720.000	30.	210.	10.8	547.3	546.1	1.2
13740.000	30.	218.	10.4	547.7	546.4	1.3
13800.000	172.	1088.	2.1	549.9	549.4	0.5
14200.000	91.	418.	4.8	550.5	549.8	0.7
14500.000	90.	385.	5.2	553.2	552.8	0.4
15000.000	90.	373.	5.4	558.7	558.7	0.0
16400.000	55.	288.	5.2	572.4	571.8	0.6
16485.000	21.	156.	9.5	573.0	572.1	0.9
16530.000	21.	152.	9.8	573.1	572.4	0.7
16700.000	77.	517.	2.9	575.5	574.5	1.0
16920.000	51.	311.	4.4	576.1	575.3	0.8
17400.000	50.	256.	5.4	579.5	578.8	0.7
18550.000	50.	275.	5.6	584.7	584.3	0.4
19640.000	79.	371.	3.7	597.9	597.2	0.7