
REC2: RELEASED UNDER E.O. 12958, DATE 11/17/2001

15

ERROR CODE
MODIFICATION

BUCKWATER CREEK

CR.

C
T1 ORANGE T
T2 BUCKWATER
T3 10-YR FL

J1 ICHECK
0.

J2 NPROF
1.000

J5 VARIAN
58.000

14.000

WC 0.
WT 5.0

X1 110520.0
GR 450.0
GR 414.0
WT 5.0

X1 570.0
GR 446.0
GR 425.0
GR 416.0
GR 424.0

X1 1050.0
GR 450.0
GR 425.0

X1	2000.000	8.000	1000.000	1030.000	950.000	950.000	950.000	0.000	0.000	0.000
GR	455.000	675.000	429.000	875.000	428.100	1000.000	421.100	1005.000	421.100	1025.000
GR	425.000	1050.000	421.000	1180.000	450.000	1275.000	0.000	6.000	0.000	0.000

 REC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

C
 T1 ORANGE COUNTY FIA STUDY
 T2 BUCKWATER CREEK
 T3 10-YR FLOOD JAN 1978 CRF

15
 15
BUCKWATER CR.

J1	ICHECK	IGN	INIV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FU
	0.	2.	0.	0.	0.001700	0.00	0.0	0.	422.300	0.000
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLUC	IBW	CHNIM	ITRACE
	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	26.000	56.000	0.000	150.000	201.000	0.000	0.000
NC	0.120	0.120	0.060	0.100	0.300	0.000	0.000	0.000	0.000	0.000
BT	5.000	4916.000	6246.000	7007.000	9380.000	7007.000	0.000	0.000	0.000	0.000

END RIVER VALLEY SECTION

X1	116520.000	10.000	1000.000	1100.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	450.000	240.000	440.000	440.000	450.000	680.000	416.000	1000.000	414.000	1005.000
GR	414.000	1090.000	418.000	1100.000	450.000	1290.000	440.000	1380.000	450.000	1430.000
BT	5.000	1580.000	2910.000	3671.000	6044.000	3671.000	0.000	0.000	0.000	0.000

000-1 VALLEY

X1	570.000	19.000	1000.000	1031.000	1200.000	1200.000	1200.000	0.000	0.000	0.000
GR	448.100	534.000	442.100	434.000	458.100	534.000	450.600	634.000	427.100	734.000
GR	425.500	634.000	425.500	934.000	421.500	1000.000	417.500	1002.000	419.600	1010.000
GR	410.500	1020.000	422.400	1031.000	422.200	1034.000	422.200	1134.000	423.600	1234.000
GR	424.500	1334.000	420.100	1423.000	431.100	1434.000	442.500	1478.000	0.000	0.000

X1	1050.000	78.000	1000.000	1050.000	480.000	430.000	480.000	0.000	0.000	0.000
GR	450.000	440.000	427.000	740.000	425.000	1000.000	417.900	1005.000	417.900	1025.000
GR	425.000	1030.000	427.000	1180.000	450.000	1275.000	0.000	0.000	0.000	0.000

X1	2000.000	8.000	1000.000	1050.000	950.000	950.000	950.000	0.000	0.000	0.000
GR	455.000	675.000	429.000	875.000	428.100	1000.000	421.100	1005.000	421.100	1025.000
GR	425.000	1030.000	427.000	1180.000	450.000	1275.000	0.000	0.000	0.000	0.000

000-2 VALLEY

X1	4750.000	14.000	1000.000	1027.000	2750.000	2750.000	2750.000	0.000	0.000	0.000
GR	460.800	753.000	448.900	853.000	437.400	710.000	436.500	953.000	437.600	1000.000
GR	432.400	1005.000	430.400	1013.000	432.200	1020.000	437.600	1027.000	436.800	1053.000
GR	437.100	1153.000	440.100	1235.000	443.000	1253.000	455.800	1313.000	0.000	0.000
GT	5.000	1386.000	2561.000	3235.000	5340.000	3235.000	0.000	0.000	0.000	0.000

080-5 VALLEY

X1	7730.000	11.000	1000.000	1026.000	2980.000	2980.000	2980.000	0.000	0.000	0.000
GR	466.000	689.000	451.900	789.000	446.100	820.000	445.500	889.000	445.500	989.000
GR	445.400	1000.000	441.100	1002.000	439.700	1011.000	440.900	1020.000	445.300	1026.000
GR	465.700	1091.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

080-4 VALLEY

X1	9230.000	14.000	1000.000	1030.000	1500.000	1500.000	1500.000	0.000	0.000	0.000
GR	470.400	544.000	462.300	644.000	460.600	744.000	463.700	794.000	458.200	844.000
GR	450.900	944.000	450.000	1000.000	445.200	1006.000	444.600	1010.000	445.000	1026.000
GR	450.300	1030.000	450.600	1296.000	460.200	1544.000	471.300	1377.000	0.000	0.000

X1	9500.000	0.000	0.000	0.000	270.000	270.000	270.000	0.000	1.200	0.000
GT	5.000	1162.000	2157.000	2729.000	4522.000	2729.000	0.000	0.000	0.000	0.000

X1	10300.000	9.000	1000.000	1030.000	800.000	800.000	800.000	0.000	-2.400	0.000
GR	470.000	900.000	459.000	950.000	458.300	1000.000	453.700	1006.000	453.100	1018.000
GR	453.500	1026.000	456.300	1030.000	459.000	1500.000	470.000	1360.000	0.000	0.000

X1	11000.000	9.000	1000.000	1030.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	470.000	900.000	459.000	950.000	458.300	1000.000	453.700	1006.000	453.100	1018.000
GR	453.500	1026.000	456.300	1030.000	459.000	1150.000	470.000	1360.000	0.000	0.000
GT	5.000	950.000	1772.000	2246.000	3739.000	2246.000	0.000	0.000	0.000	0.000

X1	12000.000	8.000	1000.000	1030.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	473.000	890.000	465.000	970.000	464.000	1000.000	458.000	1006.000	458.000	1026.000
GR	464.000	1030.000	465.000	1160.000	473.000	1215.000	0.000	0.000	0.000	0.000

080-3 VALLEY

X1	12020.000	11.000	1000.000	1030.000	820.000	820.000	820.000	0.000	0.000	0.000
GR	480.100	722.000	464.900	622.000	470.000	922.000	475.600	953.000	467.400	987.000
GR	467.300	1000.000	462.600	1007.000	461.300	1015.000	462.100	1027.000	466.400	1030.000
GR	488.800	1098.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	5.000	630.000	1563.000	1985.000	3313.000	1985.000	0.000	0.000	0.000	0.000

080-6 VALLEY DILWA CONF IRID #2

X1	17290.000	15.000	1000.000	1026.000	4470.000	4470.000	4470.000	0.000	0.000	0.000
GR	500.900	614.000	504.700	714.000	502.700	763.000	496.400	814.000	488.300	870.000
GR	487.000	914.000	467.300	1000.000	483.400	1005.000	482.000	1014.000	482.800	1023.000
GR	485.900	1026.000	487.300	1078.000	491.100	1114.000	505.400	1214.000	506.400	1261.000
GT	5.000	383.000	731.000	934.000	1585.000	934.000	0.000	0.000	0.000	0.000

X1	10250.000	17.000	1000.000	1014.000	960.000	960.000	960.000	0.000	-2.100	0.000
GR	514.800	531.000	505.000	631.000	499.500	723.000	499.200	731.000	495.600	831.000
GR	494.500	931.000	494.700	1000.000	491.800	1003.000	491.300	1007.000	492.000	1010.000
GR	495.300	1014.000	494.800	1031.000	497.300	1131.000	506.000	1231.000	510.100	1331.000
GR	512.000	1431.000	513.000	1531.000	0.000	0.000	0.000	0.000	0.000	0.000

030-7 FARM ROAD

X1	18360.000	18.000	1000.000	1016.000	110.000	110.000	110.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	495.000	495.200	0.000
GR	513.600	531.000	504.600	631.000	498.300	723.000	498.000	731.000	494.400	831.000
GR	493.300	931.000	493.500	1000.000	492.500	1000.100	491.600	1005.000	490.300	1010.000
GR	490.100	1015.000	493.900	1016.000	493.600	1031.000	496.100	1131.000	504.800	1231.000
GR	508.900	1331.000	510.800	1431.000	511.600	1531.000	0.000	0.000	0.000	0.000
SB	1.050	1.600	2.800	0.000	9.100	1.000	55.000	0.810	490.300	490.100

X1	18380.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	494.700	495.500	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	495.500	496.600	0.000
BT	16.000	531.000	513.600	0.000	631.000	504.600	0.000	723.000	498.300	0.000
BT	731.000	498.000	0.000	800.000	495.500	0.000	870.000	495.500	0.000	970.000
BT	496.000	0.000	999.000	496.500	0.000	1016.000	496.600	0.000	1070.000	497.800
BT	0.000	1170.000	500.900	0.000	1207.000	502.700	0.000	1231.000	504.800	0.000
BT	1331.000	508.900	0.000	1431.000	510.800	0.000	1531.000	511.800	0.000	0.000

080-8 U.S. VALLEY

X1	18500.000	15.000	1000.000	1014.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	514.800	531.000	505.800	631.000	499.500	723.000	499.200	731.000	495.600	831.000
GR	494.500	931.000	494.700	1000.000	491.800	1003.000	491.500	1007.000	492.000	1010.000
GR	495.000	1014.000	497.300	1131.000	506.000	1231.000	510.100	1331.000	512.000	1431.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

T1 ORANGE COUNTY FIA STUDY
 T2 BUCKWATER CREEK
 T3 50-YR FLOOD JAN 1978 CWF

J1	ICHECK	INW	NINW	IDIR	SIRT	MEIRIC	HVINS	W	WSEL	FD
	-10.	3.	0.	0.	0.001800	0.00	0.0	0.	424.300	0.000
J2	NPROF	IPL01	FRFVS	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 CEHV= 0.500
 *SECNO 116520.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
U	GLOB	GCH	CR0B	ALOB	ACH	AR0B	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	WTN	ELMIN	SSIA
SLOPE	XLUBL	XLCH	XLR0B	ITRIAL	IOC	ICONT	CORAR	IUPWID	ENDSI

END RIVER VALLEY SECTION

116520.00	10.65	424.65	0.00	424.30	424.97	0.32	0.00	0.00	418.00
6246.	697.	5136.	413.	591.	1035.	351.	0.	0.	418.00
0.00	1.18	4.96	1.18	0.120	0.060	0.120	0.000	414.00	822.53
0.001828	0.	0.	0.	0	0	3	0.00	382.83	1205.37

*SECNO 570.000

50-1 VALLEY

570.00	10.67	426.94	0.00	0.00	427.01	0.07	2.01	0.02	421.50
2910.	599.	882.	1430.	602.	256.	1255.	56.	14.	422.40
0.18	0.99	3.44	1.14	0.120	0.060	0.120	0.060	416.30	743.87
0.001410	1200.	1200.	1200.	2	0	0	0.00	650.50	1394.37

*SECNO 1050.000

1050.00	9.97	427.87	0.00	0.00	428.34	0.47	1.21	0.12	425.00
2910.	694.	1816.	400.	491.	264.	282.	74.	20.	425.00
0.21	1.41	6.89	1.42	0.120	0.060	0.120	0.060	417.90	728.64
0.005716	480.	480.	480.	2	0	0	0.00	454.96	1183.60

*SECNO 2000.000

2000.00	10.12	431.22	0.00	0.00	431.36	0.15	2.99	0.03	428.10
2910.	365.	1211.	1333.	352.	276.	819.	101.	29.	425.00
0.31	1.04	4.39	1.63	0.120	0.060	0.120	0.060	421.10	857.95
0.001990	950.	950.	950.	1	0	0	0.00	339.47	1197.42

 REC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

11 ORANGE COUNTY FIA STUDY
 12 BUCKWATER CREEK
 13 100-YR FLOOD JAN, 1978 CWF

J1	ICHECK	INW	NINW	IDIR	STRI	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.001800	0.00	0.0	0.	424.800	0.000
J2	NPROF	IPL01	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 3

CCHV= 0.100 CENV= 0.500
 *SECNO 116520.000

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	SCUB	QCH72	QRUB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRUB	XNL	XNCH	XNR	MTN	ELMIN	SSTA
SLOPE	XLOBL	ALCH	XLOBR	ITRIAL	IDC	ICONT	CORAK	TOPWID	ENDSI

END RIVER VALLEY SECTION

116520.00	11.25	425.25	0.00	424.80	425.56	0.33	0.00	0.00	418.00
7007.	869.	5622.	516.	697.	1093.	414.	0.	0.	418.00
0.00	1.25	5.14	1.25	0.120	0.060	0.120	0.000	414.00	807.22
0.001830	0.	0.	0.	0	0	3	0.00	407.25	1214.46

*SECNO 570.000

OBU-1 VALLEY

570.00	11.24	427.54	0.00	0.00	427.61	0.07	2.02	0.03	421.50
3671.	826.	1002.	1843.	762.	275.	1475.	65.	15.	422.40
0.18	1.08	3.64	1.25	0.120	0.060	0.120	0.060	416.30	721.56
0.001444	1200.	1200.	1200.	2	0	0	0.00	687.48	1400.04

*SECNO 1050.000

1050.00	10.59	428.49	0.00	0.00	428.91	0.42	1.20	0.10	425.00
3671.	1086.	1962.	623.	662.	282.	378.	86.	21.	425.00
0.21	1.64	6.95	1.65	0.120	0.060	0.120	0.060	417.90	720.54
0.005514	480.	480.	480.	2	0	0	0.00	465.62	1186.16

*SECNO 2000.000

2000.00	10.75	431.85	0.00	0.00	432.02	0.17	3.08	0.03	428.10
3671.	552.	1419.	1700.	444.	295.	926.	119.	30.	425.00
0.30	1.24	4.80	1.84	0.120	0.060	0.120	0.060	421.10	853.07
0.002186	950.	950.	950.	1	0	0	0.00	346.97	1200.04

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

11 ORANGE COUNTY FIA STUDY
 12 BUCKWATER CREEK
 13 500-YR FLOOD JAN 1978 CRF

J1	ICHECK	INQ	NINV	IDIR	STRT	MEIRIC	HVINS	U	WSEL	FG
	-10.	5.	0.	0.	0.001900	0.00	0.0	0.	426.200	0.000
J2	NPROF	1PLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IDW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 4

CCHV= 0.100 CEHV= 0.500
 *SECNO 116520.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	LOSS	BANK ELEV
U	QLOB	NCH	GRUB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRUB	ANL	ANCH	XNR	WIN	ELMIN	SSIA
SLOPE	XLOBL	XLCH	ALGRK	ITRIAL	IDC	ICONT	CURAR	TOPWID	ENOST

END RIVER VALLEY SECTION

116520.00	12.66	426.66	0.00	426.20	427.05	0.59	0.00	0.00	418.00
9380.	1443.	7081.	656.	1000.	1236.	593.	0.	0.	418.00
0.00	1.44	5.73	1.44	0.120	0.060	0.120	0.000	414.00	769.11
0.001927	0.	0.	0.	0	0	3	0.00	467.96	1237.09

*SECNO 570.000

OBU-1 VALLEY

570.00	12.77	429.07	0.00	0.00	429.15	0.08	2.07	0.05	421.50
6044.	1603.	1317.	3125.	1223.	322.	2074.	89.	17.	422.40
0.17	1.31	4.08	1.51	0.120	0.060	0.120	0.060	416.50	677.74
0.001467	1200.	1200.	1200.	2	0	0	0.00	748.82	1426.55

*SECNO 1050.000

1050.00	12.13	430.03	0.00	0.00	430.40	0.36	1.16	0.08	425.00
6044.	2332.	2385.	1327.	1109.	329.	624.	120.	24.	425.00
0.20	2.10	7.26	2.13	0.120	0.060	0.120	0.060	417.90	700.43
0.004734	480.	480.	480.	2	0	0	0.00	492.10	1192.53

*SECNO 2000.000

2000.00	12.37	433.47	0.00	0.00	433.69	0.22	3.28	0.01	428.19
6044.	1210.	2003.	2832.	691.	344.	1206.	167.	33.	425.00
0.28	1.75	5.83	2.35	0.120	0.060	0.120	0.060	421.10	830.66
0.002627	950.	950.	950.	2	0	0	0.00	366.04	1206.70

 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 JAN 1978 CWF

SUMMARY PRINTOUT

SECDU	CWSEL	EG	ELMIN	ELLC	TOPWID
116520.000	423.69	423.96	414.00	0.00	341.87
116520.000	424.65	424.97	414.00	0.00	382.83
116520.000	425.23	425.56	414.00	0.00	407.25
116520.000	426.66	427.05	414.00	0.00	467.98
570.000	425.77	425.82	416.30	0.00	547.91
570.000	426.94	427.01	416.30	0.00	650.50
570.000	427.54	427.61	416.30	0.00	687.48
570.000	429.07	429.15	416.30	0.00	748.82
1050.000	426.46	427.03	417.90	0.00	333.05
1050.000	427.67	428.34	417.90	0.00	454.96
1050.000	428.49	428.91	417.90	0.00	465.62
1050.000	430.03	430.40	417.90	0.00	492.10
2000.000	429.69	429.81	421.10	0.00	321.47
2000.000	431.22	431.36	421.10	0.00	339.47
2000.000	431.85	432.02	421.10	0.00	346.97
2000.000	433.47	433.69	421.10	0.00	366.04
4750.000	438.53	439.01	430.40	0.00	287.57
4750.000	440.12	440.46	430.40	0.00	336.67
4750.000	440.87	441.18	430.40	0.00	346.98
4750.000	442.76	443.05	430.40	0.00	368.07
7730.000	448.95	449.05	439.70	0.00	232.83
7730.000	450.50	450.65	439.70	0.00	246.11
7730.000	451.20	451.37	439.70	0.00	252.17
7730.000	453.02	453.26	439.70	0.00	269.57
9230.000	452.18	452.37	444.60	0.00	376.53
9230.000	453.80	453.95	444.60	0.00	407.11
9230.000	454.56	454.70	444.60	0.00	421.35
9230.000	456.49	456.63	444.60	0.00	457.58
9500.000	453.14	453.40	445.80	0.00	372.04
9500.000	454.55	454.76	445.80	0.00	398.51
9500.000	455.24	455.44	445.80	0.00	411.52
9500.000	457.07	457.26	445.80	0.00	446.04

SECNO	CNSL	EG	ELMIN	ELLC	TOPWID
10300.000	457.15	457.53	450.70	0.00	355.48
10300.000	458.14	458.51	450.70	0.00	365.39
10300.000	458.61	458.98	450.70	0.00	370.11
10300.000	459.95	460.30	450.70	0.00	383.60
11000.000	460.45	460.67	453.10	0.00	234.31
11000.000	461.73	462.01	453.10	0.00	264.48
11000.000	462.29	462.59	453.10	0.00	277.71
11000.000	463.65	464.04	453.10	0.00	309.97
12000.000	464.59	465.17	458.00	0.00	124.76
12000.000	466.22	466.72	458.00	0.00	208.99
12000.000	466.90	467.39	458.00	0.00	219.57
12000.000	468.60	469.09	458.00	0.00	245.85
12820.000	468.96	469.33	461.50	0.00	59.32
12820.000	470.79	471.42	461.50	0.00	74.93
12820.000	471.54	472.32	461.50	0.00	81.28
12820.000	473.53	474.56	461.50	0.00	96.57
17290.000	488.37	488.61	482.00	0.00	218.80
17290.000	489.94	490.12	482.00	0.00	244.28
17290.000	490.68	490.85	482.00	0.00	256.55
17290.000	492.63	492.60	482.00	0.00	284.58
18250.000	493.61	493.79	489.20	0.00	239.31
18250.000	494.14	494.35	489.20	0.00	275.56
18250.000	494.46	494.65	489.20	0.00	296.96
18250.000	495.56	495.68	489.20	0.00	361.29
18360.000	494.72	495.41	490.10	0.00	16.00
18360.000	495.20	495.39	490.10	0.00	207.17
18360.000	495.44	495.60	490.10	0.00	302.06
18360.000	496.24	496.39	490.10	0.00	352.69
18380.000	495.70	495.74	490.30	494.70	215.65
* 18380.000	496.33	496.41	490.30	494.70	233.64
* 18380.000	496.62	496.67	490.30	494.70	359.89
18380.000	497.21	497.28	490.30	494.70	385.12
18500.000	495.96	496.08	491.30	0.00	241.78
18500.000	496.72	496.82	491.30	0.00	301.63
18500.000	496.95	497.07	491.30	0.00	319.66
18500.000	497.66	497.80	491.30	0.00	361.42

FLOOD JAN 1978 CWF

SUMMARY PRINTOUT

SECNO	CNSEL	ULOB	UCH	URUB	VLUB	VCH	VRUB
116520.000	423.69	442.82	4210.49	262.70	1.03	4.48	1.02
116520.000	424.65	696.63	5136.11	413.27	1.18	4.96	1.18
116520.000	425.23	869.12	5622.28	515.60	1.25	5.14	1.25
116520.000	426.66	1442.87	7081.16	855.97	1.44	5.73	1.44
570.000	425.77	259.99	612.77	707.24	0.76	2.79	0.84
570.000	426.94	596.57	881.79	1429.64	0.99	3.44	1.14
570.000	427.54	826.21	1001.53	1843.26	1.08	3.64	1.25
570.000	429.07	1602.67	1316.76	3124.57	1.31	4.08	1.51
1050.000	426.48	112.01	1403.37	64.62	0.79	6.33	0.79
1050.000	427.87	694.26	1615.93	399.61	1.41	6.89	1.42
1050.000	428.49	1065.68	1961.84	623.47	1.64	6.95	1.65
1050.000	430.03	2531.90	2384.73	1327.37	2.10	7.26	2.13
2000.000	429.69	79.68	821.06	679.27	0.55	3.56	1.19
2000.000	431.22	365.33	1211.48	1333.19	1.04	4.39	1.63
2000.000	431.65	552.45	1418.70	1699.85	1.24	4.80	1.84
2000.000	433.47	1209.60	2002.77	2831.62	1.75	5.83	2.35
4750.000	438.53	220.81	1026.14	333.04	1.57	6.81	1.51
4750.000	440.12	618.55	1291.24	1000.21	2.07	6.66	1.93
4750.000	440.87	635.09	1422.24	1413.67	2.21	6.65	2.09
4750.000	442.76	1504.83	1630.98	2708.19	2.55	6.91	2.49
7730.000	448.95	672.82	696.11	15.07	1.08	5.47	0.71
7730.000	450.50	1451.72	1065.55	43.73	1.56	4.41	1.01
7730.000	451.20	1911.29	1259.60	64.11	1.78	4.65	1.16
7730.000	453.02	3389.13	1600.28	142.58	2.32	5.89	1.50
9230.000	452.18	104.38	855.24	426.38	0.97	4.46	0.97
9230.000	453.70	302.49	1078.14	1180.36	1.23	4.48	1.33
9230.000	454.56	426.19	1199.88	1606.93	1.32	4.56	1.46
9230.000	456.49	646.62	1563.75	2929.44	1.53	4.87	1.76
9500.000	453.14	91.94	919.61	374.44	1.01	4.90	1.00
9500.000	454.55	277.69	1179.75	1103.56	1.37	5.20	1.45
9500.000	455.24	396.64	1306.00	1532.36	1.48	5.27	1.61
9500.000	457.07	805.74	1665.71	2865.55	1.70	5.51	1.93
10300.000	457.15	41.91	894.95	225.14	0.92	5.61	0.93
10300.000	458.14	150.82	1210.63	795.55	1.51	6.39	1.54
10300.000	458.61	220.26	1357.72	1151.03	1.73	6.67	1.77
10300.000	459.95	457.63	1755.71	2328.66	2.17	7.11	2.28
11000.000	460.45	97.19	826.51	238.30	1.02	4.43	1.01
11000.000	461.73	265.97	1223.34	667.68	1.56	5.44	1.52
11000.000	462.29	366.55	1426.02	934.42	1.79	5.90	1.73
11000.000	463.65	701.47	2000.87	1819.66	2.34	7.08	2.26
12000.000	464.59	2.33	937.58	10.09	0.44	5.59	0.44
12000.000	466.22	76.53	1383.33	312.14	1.29	6.38	1.37
12000.000	466.90	138.03	1572.04	535.94	1.53	6.63	1.66
12000.000	468.60	370.55	2089.26	1279.16	1.97	7.25	2.25

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
12820.000	468.96	27.66	913.21	9.13	1.00	4.98	0.92
12820.000	470.79	133.08	1595.46	43.45	1.74	6.69	1.48
12820.000	471.54	209.29	1966.63	70.09	2.06	7.54	1.75
12820.000	473.33	498.41	3063.12	177.47	2.86	9.74	2.43
17290.000	488.37	121.32	599.92	114.75	0.88	4.54	1.17
17290.000	489.94	462.47	802.17	300.35	1.32	4.65	1.46
17290.000	490.68	669.06	904.46	411.48	1.46	4.71	1.54
17290.000	492.63	1320.62	1201.02	791.36	1.75	4.95	1.78
18250.000	493.61	156.62	204.73	21.65	1.10	4.61	0.78
18250.000	494.14	375.21	284.13	71.66	1.57	5.47	1.16
18250.000	494.46	510.78	312.61	110.61	1.71	5.55	1.26
18250.000	495.56	938.83	359.53	286.64	1.77	5.01	1.39
18360.000	494.72	0.00	383.00	0.00	0.00	6.66	0.00
18360.000	495.20	404.35	326.65	0.00	1.51	5.02	0.00
18360.000	495.44	487.46	339.08	107.46	1.55	4.93	1.16
18360.000	496.24	899.76	435.78	251.45	1.87	5.31	1.43
18380.000	495.70	229.53	153.47	0.00	0.70	2.19	0.00
* 18380.000	496.35	487.99	243.01	0.00	1.06	3.03	0.00
* 18380.000	496.62	533.81	241.63	158.57	1.02	2.85	0.80
18380.000	497.21	919.85	350.75	314.39	1.39	3.73	1.16
18500.000	495.96	184.90	184.91	13.19	0.99	5.81	0.56
18500.000	496.72	426.92	244.58	59.50	1.29	4.13	0.79
18500.000	496.95	554.07	285.99	88.94	1.48	4.58	0.92
18500.000	497.66	976.11	381.52	227.56	1.84	5.27	1.28

FLOOD JAN 1978 CWF

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	10K+S	VCH	AREA	.01K
116520.000	0.00	0.00	0.00	414.00	4916.00	423.69	0.00	423.96	17.02	4.48	1627.37	1191.65
116520.000	0.00	0.00	0.00	414.00	6246.00	424.65	0.00	424.97	16.28	4.96	1976.62	1460.54
116520.000	0.00	0.00	0.00	414.00	7007.00	425.23	0.00	425.56	18.30	5.14	2203.52	1637.60
116520.000	0.00	0.00	0.00	414.00	9380.00	426.66	0.00	427.05	19.27	5.73	2828.89	2136.84
570.000	1200.00	0.00	0.00	416.30	1580.00	425.77	0.00	425.82	11.36	2.79	1409.31	468.87
570.000	1200.00	0.00	0.00	416.30	2910.00	426.94	0.00	427.01	14.10	3.44	2114.07	774.86
570.000	1200.00	0.00	0.00	416.30	3671.00	427.54	0.00	427.61	14.44	3.64	2512.20	969.95
570.000	1200.00	0.00	0.00	416.30	6044.00	429.07	0.00	429.15	14.67	4.08	3619.49	1978.17
1050.000	480.00	0.00	0.00	417.90	1580.00	426.48	0.00	427.03	60.68	6.33	445.85	202.04
1050.000	480.00	0.00	0.00	417.90	2910.00	427.87	0.00	428.34	57.16	6.89	1037.32	384.91
1050.000	480.00	0.00	0.00	417.90	3671.00	428.49	0.00	428.91	53.14	6.95	1323.02	503.60
1050.000	480.00	0.00	0.00	417.90	6044.00	430.03	0.00	430.40	47.34	7.26	2061.45	876.49
2000.000	950.00	0.00	0.00	421.10	1580.00	429.69	0.00	429.81	16.70	3.56	944.70	386.00
2000.000	950.00	0.00	0.00	421.10	2910.00	431.22	0.00	431.36	19.90	4.39	1447.61	652.27
2000.000	950.00	0.00	0.00	421.10	3671.00	431.85	0.00	432.02	21.05	4.80	1665.37	785.11
2000.000	950.00	0.00	0.00	421.10	6044.00	433.47	0.00	433.69	25.27	5.83	2240.54	1179.23
4750.000	2750.00	0.00	0.00	430.40	1580.00	438.53	0.00	439.01	94.05	6.81	510.85	162.92
4750.000	2750.00	0.00	0.00	430.40	2910.00	440.12	0.00	440.46	64.27	6.66	1012.11	362.98
4750.000	2750.00	0.00	0.00	430.40	3671.00	440.87	0.00	441.18	56.12	6.65	1267.19	490.02
4750.000	2750.00	0.00	0.00	430.40	6044.00	442.76	0.00	443.05	45.60	6.91	1942.62	895.08
7730.000	2980.00	0.00	0.00	439.70	1386.00	448.95	0.00	449.05	15.77	3.47	844.20	348.99
7730.000	2980.00	0.00	0.00	439.70	2561.00	450.50	0.00	450.65	19.94	4.41	1217.08	573.48
7730.000	2980.00	0.00	0.00	439.70	3235.00	451.20	0.00	451.37	21.89	4.85	1391.12	691.48
7730.000	2980.00	0.00	0.00	439.70	5340.00	453.02	0.00	453.26	25.83	5.89	1864.92	1050.65
9230.000	1500.00	0.00	0.00	444.60	1386.00	452.18	0.00	452.37	32.65	4.46	737.52	242.56
9230.000	1500.00	0.00	0.00	444.60	2561.00	453.80	0.00	453.95	24.39	4.48	1374.35	518.61
9230.000	1500.00	0.00	0.00	444.60	3235.00	454.56	0.00	454.70	22.36	4.56	1688.33	684.08
9230.000	1500.00	0.00	0.00	444.60	5340.00	456.49	0.00	456.63	19.61	4.87	2535.07	1205.98
9500.000	270.00	0.00	0.00	445.80	1386.00	453.14	0.00	453.40	42.85	4.98	648.13	211.72
9500.000	270.00	0.00	0.00	445.80	2561.00	454.55	0.00	454.76	35.51	5.20	1190.50	429.77
9500.000	270.00	0.00	0.00	445.80	3235.00	455.24	0.00	455.44	32.51	5.27	1470.63	567.37
9500.000	270.00	0.00	0.00	445.80	5340.00	457.07	0.00	457.26	27.18	5.51	2257.77	1024.23
10300.000	800.00	0.00	0.00	450.70	1162.00	457.15	0.00	457.53	64.74	5.61	448.45	144.42
10300.000	800.00	0.00	0.00	450.70	2157.00	458.14	0.00	458.51	67.05	6.39	805.59	263.42
10300.000	800.00	0.00	0.00	450.70	2729.00	458.61	0.00	458.98	66.29	6.67	979.44	335.19
10300.000	800.00	0.00	0.00	450.70	4522.00	459.95	0.00	460.30	59.19	7.11	1487.63	587.77
11000.000	700.00	0.00	0.00	453.10	1162.00	460.45	0.00	460.67	32.73	4.43	517.94	203.11
11000.000	700.00	0.00	0.00	453.10	2157.00	461.73	0.00	462.01	38.51	5.44	836.23	347.58
11000.000	700.00	0.00	0.00	453.10	2729.00	462.29	0.00	462.59	41.17	5.90	987.94	429.32
11000.000	700.00	0.00	0.00	453.10	4522.00	463.65	0.00	464.04	48.12	7.08	1389.00	651.89
12000.000	1000.00	0.00	0.00	458.00	950.00	464.59	0.00	465.07	64.67	5.59	195.83	118.13
12000.000	1000.00	0.00	0.00	458.00	1772.00	466.22	0.00	466.72	59.93	6.38	504.46	228.98
12000.000	1000.00	0.00	0.00	458.00	2246.00	466.90	0.00	467.39	57.29	6.63	650.61	296.73
12000.000	1000.00	0.00	0.00	458.00	3739.00	468.60	0.00	469.09	52.95	7.25	1045.27	513.83

SECNO	XLCH	ELTRD	ELLC	ELMIN	U	CWSEL	CRWS	EB	10K*8	VCH	AREA	Q18
12820.000	820.00	0.00	0.00	461.50	950.00	468.96	0.00	469.33	42.34	4.98	220.93	140.00
12820.000	820.00	0.00	0.00	461.50	1772.00	470.79	0.00	471.42	53.95	6.69	343.87	241.85
12820.000	820.00	0.00	0.00	461.50	2246.00	471.54	0.00	472.32	60.77	7.54	402.15	280.12
12820.000	820.00	0.00	0.00	461.50	3739.00	473.33	0.00	474.56	78.86	9.74	561.71	421.04
17290.000	4470.00	0.00	0.00	482.00	836.00	488.37	0.00	488.61	43.99	4.54	368.42	126.04
17290.000	4470.00	0.00	0.00	482.00	1565.00	489.94	0.00	490.12	52.32	4.65	728.83	273.28
17290.000	4470.00	0.00	0.00	482.00	1985.00	490.68	0.00	490.85	28.78	4.71	915.94	370.03
17290.000	4470.00	0.00	0.00	482.00	3313.00	492.63	0.00	492.80	23.32	4.99	1441.97	606.12
18250.000	960.00	0.00	0.00	489.20	383.00	493.61	0.00	493.79	92.31	4.61	214.48	39.86
18250.000	960.00	0.00	0.00	489.20	731.00	494.14	0.00	494.35	105.77	5.47	352.14	71.68
18250.000	960.00	0.00	0.00	489.20	934.00	494.46	0.00	494.65	97.50	5.55	442.34	94.38
18250.000	960.00	0.00	0.00	489.20	1585.00	495.56	0.00	495.68	57.62	5.01	806.30	206.01
18360.000	110.00	0.00	0.00	490.10	383.00	494.72	0.00	495.41	192.52	6.66	57.50	27.60
18360.000	110.00	0.00	0.00	490.10	731.00	495.20	0.00	495.39	85.69	5.02	332.79	78.97
18360.000	110.00	0.00	0.00	490.10	934.00	495.44	0.00	495.60	76.53	4.93	474.89	106.77
18360.000	110.00	0.00	0.00	490.10	1585.00	496.24	0.00	496.39	70.68	5.31	739.92	186.39
18380.000	20.00	495.50	494.70	490.30	383.00	495.70	0.00	495.74	14.86	2.19	397.36	99.36
* 18380.000	20.00	495.50	494.70	490.30	731.00	496.35	0.00	496.41	23.51	3.03	542.87	150.77
* 18380.000	20.00	495.50	494.70	490.30	934.00	496.62	0.00	496.67	19.50	2.85	805.22	211.51
18380.000	20.00	495.50	494.70	490.30	1585.00	497.21	0.00	497.28	28.86	3.73	1024.99	295.03
18500.000	120.00	0.00	0.00	491.30	383.00	495.96	0.00	496.08	55.18	3.81	258.45	51.56
18500.000	120.00	0.00	0.00	491.30	731.00	496.72	0.00	496.82	49.82	4.13	465.22	103.97
18500.000	120.00	0.00	0.00	491.30	934.00	496.95	0.00	497.07	57.12	4.58	536.44	123.58
18500.000	120.00	0.00	0.00	491.30	1585.00	497.66	0.00	497.80	62.03	5.27	781.35	201.24

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
116520.000	4916.00	423.69	0.00	0.00	1.39	541.87	0.00
116520.000	6246.00	424.65	0.96	0.00	0.35	382.83	0.00
116520.000	7007.00	425.23	0.57	0.00	0.43	407.25	0.00
116520.000	9380.00	426.66	1.43	0.00	0.46	467.98	0.00
570.000	1580.00	425.77	0.00	2.07	0.00	547.91	1200.00
570.000	2910.00	426.94	1.18	2.29	0.00	650.50	1200.00
570.000	3671.00	427.54	0.59	2.31	0.00	687.48	1200.00
570.000	6044.00	429.07	1.53	2.41	0.00	748.82	1200.00
1050.000	1580.00	426.48	0.00	0.71	0.00	333.05	480.00
1050.000	2910.00	427.87	1.39	0.93	0.00	454.96	480.00
1050.000	3671.00	428.49	0.62	0.95	0.00	465.62	480.00
1050.000	6044.00	430.03	1.54	0.96	0.00	492.10	480.00
2000.000	1580.00	429.69	0.00	3.21	0.00	321.47	950.00
2000.000	2910.00	431.22	1.53	3.35	0.00	339.47	950.00
2000.000	3671.00	431.85	0.63	3.36	0.00	346.97	950.00
2000.000	6044.00	433.47	1.61	3.43	0.00	366.04	950.00
4750.000	1580.00	438.53	0.00	8.83	0.00	287.57	2750.00
4750.000	2910.00	440.12	1.59	8.90	0.00	338.67	2750.00
4750.000	3671.00	440.87	0.75	9.02	0.00	346.98	2750.00
4750.000	6044.00	442.76	1.89	9.29	0.00	368.07	2750.00
7730.000	1386.00	448.95	0.00	10.42	0.00	232.83	2980.00
7730.000	2561.00	450.50	1.56	10.36	0.00	246.11	2980.00
7730.000	3235.00	451.20	0.70	10.33	0.00	252.07	2980.00
7730.000	5340.00	453.02	1.82	10.26	0.00	269.55	2980.00
9230.000	1386.00	452.18	0.00	3.23	0.00	376.53	1500.00
9230.000	2561.00	453.80	1.63	3.30	0.00	407.11	1500.00
9230.000	3235.00	454.56	0.75	3.35	0.00	421.35	1500.00
9230.000	5340.00	456.49	1.93	3.47	0.00	457.58	1500.00
9500.000	1386.00	453.14	0.00	0.96	0.00	372.04	270.00
9500.000	2561.00	454.55	1.41	0.74	0.00	398.51	270.00
9500.000	3235.00	455.24	0.69	0.68	0.00	411.52	270.00
9500.000	5340.00	457.07	1.84	0.59	0.00	446.04	270.00
10300.000	1162.00	457.15	0.00	4.01	0.00	355.48	800.00
10300.000	2157.00	458.14	0.99	3.59	0.00	365.39	800.00
10300.000	2729.00	458.61	0.47	3.37	0.00	370.11	800.00
10300.000	4522.00	459.95	1.34	2.88	0.00	383.60	800.00
11000.000	1162.00	460.45	0.00	3.30	0.00	234.31	700.00
11000.000	2157.00	461.73	1.28	3.60	0.00	264.48	700.00
11000.000	2729.00	462.29	0.55	3.68	0.00	277.71	700.00
11000.000	4522.00	463.65	1.36	3.70	0.00	309.97	700.00
12000.000	950.00	464.59	0.00	4.14	0.00	124.76	1000.00
12000.000	1772.00	466.22	1.63	4.49	0.00	208.99	1000.00
12000.000	2246.00	466.90	0.68	4.62	0.00	219.57	1000.00
12000.000	3739.00	468.60	1.70	4.95	0.00	245.85	1000.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPNID	XLCH
12820.000	950.00	468.96	0.00	4.36	0.00	59.32	820.00
12820.000	1772.00	470.79	1.83	4.57	0.00	74.93	820.00
12820.000	2246.00	471.54	0.75	4.63	0.00	81.28	820.00
12820.000	3739.00	473.33	1.79	4.73	0.00	96.57	820.00
17290.000	636.00	488.37	0.00	19.42	0.00	218.80	4470.00
17290.000	1565.00	489.94	1.56	19.15	0.00	244.28	4470.00
17290.000	1985.00	490.68	0.74	19.14	0.00	256.55	4470.00
17290.000	3313.00	492.63	1.95	19.30	0.00	284.58	4470.00
18250.000	383.00	493.61	0.00	5.24	0.00	239.31	960.00
18250.000	731.00	494.14	0.53	4.21	0.00	275.56	960.00
18250.000	934.00	494.46	0.32	5.78	0.00	296.96	960.00
18250.000	1585.00	495.56	1.10	2.93	0.00	361.29	960.00
18360.000	383.00	494.72	0.00	1.12	0.00	16.00	110.00
18360.000	731.00	495.20	0.47	1.05	0.00	207.17	110.00
18360.000	934.00	495.44	0.24	0.98	0.00	302.06	110.00
18360.000	1585.00	496.24	0.80	0.68	0.00	352.69	110.00
18380.000	383.00	495.70	0.00	0.98	0.00	215.65	20.00
18380.000	731.00	496.35	0.65	1.15	0.00	233.64	20.00
18380.000	934.00	496.62	0.27	1.18	0.00	359.89	20.00
18380.000	1585.00	497.21	0.59	0.97	0.00	383.12	20.00
18500.000	383.00	495.96	0.00	0.26	0.00	241.78	120.00
18500.000	731.00	496.72	0.76	0.37	0.00	301.63	120.00
18500.000	934.00	496.95	0.23	0.33	0.00	319.66	120.00
18500.000	1585.00	497.66	0.71	0.45	0.00	361.42	120.00

SUMMARY OF ERRORS

CAUTION SECNO=18380.000 PROFILE= 2 HYDRAULIC JUMP D.S.
 CAUTION SECNO=18380.000 PROFILE= 3 HYDRAULIC JUMP D.S.

FIA

6 Dec 78

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

C
 T1 ORANGE COUNTY FIA STUDY
 T2 BUCKWATER CREEK
 T3 100-YR NATURAL PROFILE MAR 1978 CWF

J1	ICHECK	INQ	INDV	IDIR	STRI	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	425.200	0.000
J2	APROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBR	CHNH	IRACE
	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	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	0.120	0.120	0.060	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	5.000	4916.000	6246.000	7007.000	9380.000	7007.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	8.400	0.000	0.000	0.000	0.000

ENC RIVER VALLEY SECTION

X1	116520.000	10.000	1000.000	1100.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	450.000	240.000	440.000	440.000	430.000	680.000	418.000	1000.000	414.000	1605.000
GR	414.000	1090.000	418.000	1100.000	430.000	1290.000	440.000	1380.000	450.000	1430.000
GT	5.000	1580.000	2910.000	3671.000	6044.000	3671.000	0.000	0.000	0.000	0.000

080-1 VALLEY

X1	570.000	19.000	1000.000	1031.000	1200.000	1200.000	1200.000	0.000	0.000	0.000
GR	446.100	334.000	442.100	434.000	438.100	534.000	430.600	634.000	427.100	734.000
GR	425.500	834.000	423.500	934.000	421.500	1000.000	417.300	1002.000	419.800	1010.500
GR	416.300	1020.000	422.400	1031.000	422.200	1034.000	422.200	1134.000	423.600	1234.000
GR	424.500	1334.000	428.100	1423.000	431.100	1434.000	442.500	1478.000	0.000	0.000

X1	1050.000	8.000	1000.000	1030.000	480.000	430.000	480.000	0.000	0.000	0.000
GR	450.000	440.000	427.000	740.000	425.000	1000.000	417.900	1005.000	417.900	1025.000
GR	425.000	1030.000	427.000	1180.000	450.000	1275.000	0.000	0.000	0.000	0.000

X1	2000.000	8.000	1000.000	1030.000	950.000	950.000	950.000	0.000	0.000	0.000
GR	455.000	675.000	429.000	875.000	428.100	1000.000	421.100	1005.000	421.100	1025.000
GR	428.100	1030.000	429.000	1225.000	455.000	1400.000	0.000	0.000	0.000	0.000

080-2 VALLEY

X1	4750.000	14.000	1000.000	1027.000	2750.000	2750.000	2750.000	0.000	10.000	10.000
GR	460.800	753.000	448.900	853.000	437.400	910.000	436.500	953.000	437.600	1000.000
GR	432.400	1005.000	430.400	1013.000	432.200	1020.000	437.600	1027.000	436.800	1053.000
GR	437.100	1153.000	440.100	1235.000	443.000	1253.000	455.800	1313.000	0.000	0.000
QT	5.000	1386.000	2561.000	3235.000	5340.000	3235.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	862.000	1038.000	0.000	0.000

OBU-3 VALLEY

X1	7730.000	11.000	1000.000	1026.000	2980.000	2980.000	2980.000	0.000	0.000	0.000
GR	466.000	689.000	451.900	789.000	446.100	820.000	445.500	889.000	445.500	989.000
GR	445.400	1000.000	441.100	1002.000	451.700	1011.000	440.900	1020.000	445.300	1026.000
GR	465.700	1091.000	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	584.000	1243.000	0.000	0.000

OBU-4 VALLEY

X1	9230.000	14.000	1000.000	1030.000	1500.000	1500.000	1500.000	0.000	0.000	0.000
GR	470.400	544.000	462.300	644.000	460.600	744.000	463.700	794.000	458.200	844.000
GR	450.900	944.000	450.000	1000.000	445.200	1006.000	444.600	1018.000	445.000	1026.000
GR	450.300	1030.000	450.800	1296.000	460.200	1344.000	471.300	1377.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1235.000	0.000	0.000

X1	9500.000	0.000	0.000	0.000	270.000	270.000	270.000	0.000	1.200	0.000
QT	5.000	1162.000	2157.000	2729.000	4522.000	2729.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1180.000	0.000	0.000

X1	10300.000	9.000	1000.000	1030.000	800.000	800.000	800.000	0.000	-2.400	0.000
GR	470.000	900.000	459.000	950.000	458.300	1000.000	453.700	1006.000	453.100	1018.000
GR	453.500	1026.000	458.300	1030.000	459.000	1300.000	470.000	1360.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1129.000	0.000	0.000

X1	11000.000	9.000	1000.000	1030.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	470.000	900.000	459.000	950.000	458.300	1000.000	453.700	1006.000	453.100	1018.000
GR	453.500	1026.000	458.300	1030.000	459.000	1150.000	470.000	1360.000	0.000	0.000
QT	5.000	950.000	1772.000	2246.000	3739.000	2246.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1085.000	0.000	0.000

X1	12000.000	8.000	1000.000	1030.000	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	473.000	890.000	465.000	970.000	464.000	1000.000	458.000	1006.000	458.000	1026.000
GR	464.000	1030.000	465.000	1160.000	475.000	1215.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	1.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	565.000	1045.000	0.000	0.000

OBU-5 VALLEY

X1	12820.000	11.000	1000.000	1030.000	820.000	820.000	820.000	0.000	0.000	0.000
GR	488.100	722.000	484.900	822.000	478.000	922.000	473.600	953.000	467.400	987.000
GR	467.300	1000.000	462.600	1007.000	461.500	1015.000	462.100	1027.000	466.400	1030.000
GR	488.800	1098.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	5.000	836.000	1565.000	1985.000	3313.000	1985.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	12.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	924.000	1045.000	0.000	0.000

OBU-6 VALLEY BELOW CONF TRIB #2

X1	17290.000	15.000	1000.000	1026.000	4470.000	4470.000	4470.000	0.000	10.000	10.000
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GR	487.000	914.000	487.300	1000.000	483.400	1005.000	482.000	1014.000	482.800	1023.000
GR	485.900	1026.000	487.300	1078.000	491.100	1114.000	505.400	1214.000	506.400	1261.000
QT	5.000	501.000	950.000	1212.000	2044.000	1212.000	0.000	0.000	0.000	0.000
QT	5.000	383.000	731.000	934.000	1585.000	934.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	3.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	876.000	1032.000	0.000	0.000

X1	18250.000	17.000	1000.000	1014.000	960.000	960.000	960.000	0.000	-2.100	0.000
GR	514.800	531.000	505.800	631.000	499.500	723.000	499.200	731.000	495.600	831.000
GR	494.500	931.000	494.700	1000.000	491.800	1003.000	491.300	1007.000	492.000	1010.000
GR	495.300	1014.000	494.800	1031.000	497.300	1131.000	506.000	1231.000	510.100	1331.000
GR	512.000	1431.000	513.000	1531.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.200	0.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	13.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	946.000	1033.000	0.000	0.000

OBU-7 FARM ROAD

X1	18360.000	18.000	1000.000	1016.000	110.000	110.000	110.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	495.000	495.200	0.000
GR	513.600	531.000	504.600	631.000	498.300	723.000	498.000	731.000	494.400	831.000
GR	493.300	931.000	493.500	1000.000	492.500	1000.100	491.600	1005.000	490.300	1010.000
GR	490.100	1015.000	493.900	1016.000	493.600	1031.000	496.100	1131.000	504.800	1231.000
GR	508.900	1331.000	510.800	1431.000	511.800	1531.000	0.000	0.000	0.000	0.000
SB	1.050	1.600	2.800	0.000	8.200	1.000	55.000	0.810	490.300	490.100
ET	0.000	0.000	0.000	0.000	0.000	7.100	504.000	1033.000	0.000	0.000

X1	18380.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	494.700	495.500	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	495.500	496.500	0.000
BT	16.000	531.000	513.600	0.000	631.000	504.600	0.000	723.000	498.300	0.000
BT	731.000	498.000	0.000	800.000	495.500	0.000	870.000	495.500	0.000	970.000
BT	496.000	0.000	999.000	496.500	0.000	1016.000	496.600	0.000	1070.000	497.800
BT	0.000	1170.000	500.900	0.000	1207.000	502.700	0.000	1231.000	504.800	0.000
BT	1331.000	508.900	0.000	1431.000	510.800	0.000	1531.000	511.800	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	936.000	1032.000	0.000	0.000

OBU-8 U.S. VALLEY

X1	18500.000	15.000	1000.000	1014.000	120.000	120.000	120.000	0.000	0.000	0.000
GR	514.800	531.000	505.800	631.000	499.500	723.000	499.200	731.000	495.600	831.000
GR	494.500	931.000	494.700	1000.000	491.800	1003.000	491.300	1007.000	492.000	1010.000
GR	495.000	1014.000	497.300	1131.000	506.000	1231.000	510.100	1331.000	512.000	1431.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

PRINTED IN U.S.A.

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

T1 ORANGE COUNTY FIA STUDY
 T2 BUCKWATER CREEK
 T3 100-YR FLOODWAY PROFILE MAR 1978 CWF

J1	ICHECK	INW	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	426.200	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBK	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 116520.000
 2800 NAT Q1= 1628.53 WSEL= 425.20 ENC Q1= 1628.53 WSEL= 426.00 RATIO= 0.0000

NAT Q1= 1896. RATIOS LCB,CH,ROB= 0.1404 0.7764 0.0833 WSEL= 426.00

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSIA
SLOPE	XLOBL	XLCH	XLROB	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 957.0 1107.2 TYPE= 4 TARGET= 0.141

END RIVER VALLEY SECTION

116520.00	12.20	426.20	0.00	425.20	426.61	0.91	0.00	0.00	418.00
7007.	571.	6363.	73.	318.	1190.	57.	0.	0.	418.00
0.00	1.80	5.35	1.28	0.120	0.060	0.120	0.000	414.00	957.01
0.001765	0.	0.	0.	0	0	0	0.00	150.19	1107.20

*SECNO 570.000
 2800 NAT Q1= 963.33 WSEL= 427.53 ENC Q1= 963.33 WSEL= 428.33 RATIO= 0.0000

NAT Q1= 1261. RATIOS LCB,CH,ROB= 0.2477 0.2411 0.5112 WSEL= 428.33

3470 ENCROACHMENT STATIONS= 927.9 1251.9 TYPE= 4 TARGET= 0.236

GRU-1 VALLEY

570.00	12.18	428.48	0.00	427.53	428.57	0.09	1.93	0.03	421.50
3671.	620.	1150.	1901.	424.	304.	1289.	49.	7.	422.40
0.15	1.46	3.79	1.47	0.120	0.060	0.120	0.060	416.30	927.92
0.001363	1200.	1200.	1200.	2	0	0	0.00	323.97	1251.89

*SECNO 1050.000
 2800 NAT Q1= 503.00 WSEL= 428.49 ENC Q1= 503.00 WSEL= 429.29 RATIO= 0.0000

NAT Q1= 683. RATIOS LCB,CH,ROB= 0.3493 0.4510 0.1997 WSEL= 429.29

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 MAR 1

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*S	G
116520.000	425.20	425.54	0.00	414.00	18.51	7007.00
116520.000	426.20	426.61	0.00	414.00	17.65	7007.00
570.000	427.53	427.60	0.00	416.30	14.52	3671.00
570.000	428.48	428.57	0.00	416.30	13.63	3671.00
1050.000	428.49	428.91	0.00	417.90	53.26	3671.00
1050.000	429.32	429.85	0.00	417.90	52.65	3671.00
2000.000	432.35	432.57	0.00	421.10	28.88	3671.00
2000.000	433.19	433.46	0.00	421.10	28.27	3671.00
4750.000	441.42	441.64	0.00	430.40	38.02	3671.00
4750.000	442.21	442.50	0.00	430.40	38.67	3671.00
7730.000	450.86	451.06	0.00	439.70	26.12	3235.00
7730.000	451.62	451.85	0.00	439.70	25.32	3235.00
9230.000	454.55	454.69	0.00	444.60	22.48	3235.00
9230.000	455.30	455.49	0.00	444.60	23.21	3235.00
9500.000	455.24	455.44	0.00	445.80	32.50	3235.00
9500.000	455.99	456.25	0.00	445.80	33.07	3235.00
10300.000	458.61	458.98	0.00	450.70	66.39	2729.00
10300.000	459.35	459.84	0.00	450.70	65.44	2729.00
11000.000	462.29	462.59	0.00	453.10	41.17	2729.00
11000.000	463.06	463.47	0.00	453.10	42.05	2729.00
12000.000	466.90	467.39	0.00	458.00	57.30	2246.00
12000.000	467.66	468.27	0.00	458.00	55.49	2246.00
12820.000	471.54	472.32	0.00	461.50	60.77	2246.00
12820.000	471.95	472.62	0.00	461.50	50.28	2246.00
17290.000	490.68	490.85	0.00	482.00	28.78	1985.00
17290.000	491.45	491.77	0.00	482.00	36.12	1985.00

SECNO	CHSEL	EG	ELLC	ELMIN	10K*8	0
18250.000	494.46	494.65	0.00	489.20	97.49	934.00
18250.000	495.39	495.51	0.00	489.20	45.33	934.00
18360.000	495.44	495.60	0.00	490.10	76.53	934.00
18360.000	495.97	496.39	0.00	490.10	118.62	934.00
18380.000	496.62	496.67	494.70	490.30	119.50	934.00
18380.000	496.60	496.75	494.70	490.30	46.45	934.00
18500.000	496.95	497.07	0.00	491.30	157.12	934.00
18500.000	497.28	497.65	0.00	491.30	108.54	934.00

R. NATURAL PROFILE MAR 1

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
116520.000	425.20	808.00	1000.00	1100.00	1214.00	406.00
116520.000	426.20	957.01	1000.00	1100.00	1107.20	150.19
570.000	427.53	721.78	1000.00	1031.00	1408.85	687.07
570.000	428.48	927.92	1000.00	1031.00	1251.89	323.97
1050.000	428.49	720.58	1000.00	1030.00	1186.15	465.57
1050.000	429.32	866.80	1000.00	1030.00	1068.20	201.40
2000.000	432.35	849.25	1000.00	1030.00	1247.53	398.28
2000.000	433.19	928.52	1000.00	1030.00	1169.03	240.51
4750.000	441.42	890.09	1000.00	1027.00	1243.17	353.08
4750.000	442.21	946.75	1000.00	1027.00	1154.30	207.55
7730.000	450.86	794.54	1000.00	1026.00	1043.73	249.19
7730.000	451.62	862.00	1000.00	1026.00	1038.00	176.00
9230.000	454.55	893.95	1000.00	1030.00	1315.17	421.21
9230.000	455.30	984.00	1000.00	1030.00	1243.00	259.00
9500.000	455.24	901.01	1000.00	1030.00	1312.54	411.52
9500.000	455.99	990.00	1000.00	1030.00	1235.00	245.00
10300.000	458.61	940.86	1000.00	1030.00	1310.97	370.11
10300.000	459.35	990.00	1000.00	1030.00	1180.00	190.00
11000.000	462.29	935.06	1000.00	1030.00	1212.76	277.71
11000.000	463.06	987.00	1000.00	1030.00	1129.00	142.00
12000.000	466.90	950.93	1000.00	1030.00	1170.49	219.56
12000.000	467.66	990.00	1000.00	1030.00	1085.00	95.00
12820.000	471.54	964.31	1000.00	1030.00	1045.60	81.28
12820.000	471.95	965.00	1000.00	1030.00	1045.00	80.00
17290.000	490.68	853.51	1000.00	1026.00	1110.07	256.55
17290.000	491.45	924.00	1000.00	1026.00	1043.00	119.00
18250.000	494.46	804.38	1000.00	1014.00	1101.34	290.96
18250.000	495.39	876.00	1000.00	1014.00	1032.00	156.00
18360.000	495.44	802.29	1000.00	1016.00	1104.35	302.06
18360.000	495.97	946.00	1000.00	1016.00	1033.00	87.00
* 18380.000	496.62	774.82	1000.00	1016.00	1134.71	359.89
* 18380.000	496.60	904.00	1000.00	1016.00	1033.00	129.00
18500.000	496.95	793.51	1000.00	1014.00	1113.17	319.66
18500.000	497.28	936.00	1000.00	1014.00	1032.00	96.00

SUMMARY OF ERRORS

FLOODWAY DATA, R NATURAL PROFILE MAR 1
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
116520.000	150.	1565.	4.5	426.2	425.2	1.0
570.000	324.	2017.	1.8	428.4	427.5	0.9
1050.000	201.	969.	3.8	429.3	428.5	0.8
2000.000	241.	1335.	2.7	433.1	432.3	0.8
4750.000	208.	1191.	3.1	442.2	441.4	0.8
7730.000	176.	1165.	2.8	451.7	450.9	0.8
9230.000	259.	1391.	2.3	455.3	454.6	0.7
9500.000	245.	1199.	2.7	456.0	455.2	0.8
10300.000	190.	748.	3.6	459.3	458.6	0.7
11000.000	142.	768.	3.6	463.1	462.3	0.8
12000.000	95.	484.	4.6	467.7	466.9	0.8
13820.000	80.	435.	5.2	471.9	471.5	0.4
17290.000	119.	629.	3.2	491.5	490.7	0.8
18250.000	156.	460.	2.0	495.4	494.5	0.9
18360.000	87.	253.	3.7	495.9	495.4	0.5
18380.000	129.	417.	2.2	496.6	496.6	0.0
18500.000	96.	276.	3.4	497.2	496.9	0.3