

RECEIVED DATED AUGUST 27 1978

ERROR SECTION - 50, 51, 52, 53

MODIFIED

18  
KEY CR

STONY  
CREEK

.000	0.000
.000	0.000
.000	0.000
.000	1000.000
.000	1120.000
.000	1700.000
.000	0.000
.000	0.000
.000	1002.000
.800	1417.000
.000	0.000
.100	0.000
.100	0.000
.100	0.000
.100	0.000

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CODE - 01702  
 MODIFIED - 50,51,52,53  
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18  
 STONEY CR

ORANGE COUNTY FIA STUDY  
 STONEY CREEK  
 10-YR FLOOD APR 78 CWF

J1	ICHECK	IND	NINV	IDIK	STRT	METRIC	HVINS	0	WSEL	FD
	0.	2.	0.	0.	0.004800	0.00	0.0	0.	599.600	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	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	5.000	42.000	41.000	4.000	0.000	38.000	1.000	15.000
	14.000	15.000	55.000	24.000	56.000	0.000	150.000	201.000	0.000	0.000
NC	0.120	0.120	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	5.000	5354.000	6755.000	7556.000	10051.000	7556.000	0.000	0.000	0.000	0.000
END RIVER VALLEY SECTION										
X1	99550.000	15.000	1000.000	1170.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	430.000	600.000	420.000	720.000	410.000	820.000	400.000	950.000	594.000	1000.000
GR	390.000	1050.000	386.000	1060.000	384.700	1085.000	386.000	1110.000	590.000	1120.000
GR	394.000	1170.000	400.000	1190.000	410.000	1300.000	420.000	1500.000	430.000	1700.000
QT	5.000	1669.000	5070.000	5871.000	6366.000	5871.000	0.000	0.000	0.000	0.000
X1	0.000	15.000	1000.000	1032.000	260.000	260.000	260.000	0.000	-24.000	0.000
GR	430.000	600.000	421.700	917.000	416.700	978.000	409.900	1050.000	409.600	1002.000
GR	409.000	1015.000	409.500	1027.000	412.300	1032.000	414.100	1317.000	415.800	1417.000
GR	417.600	1517.000	419.800	1617.000	436.000	1700.000	0.000	0.000	0.000	0.000
X1	50.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
X1	100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
X1	150.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
X1	200.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
X1	250.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000

08-1 VALLEY

X1	290.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	3.400	0.000
X1	340.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	3.200	0.000
NC	0.000	0.000	0.000	0.400	0.600	0.000	0.000	0.000	0.000	0.000
X1	585.000	18.000	1005.000	1055.000	45.000	45.000	45.000	0.000	0.000	0.000
GR	430.900	862.000	430.000	881.000	425.100	962.000	420.600	1000.000	418.500	1005.000
GR	416.500	1011.000	416.500	1019.000	415.500	1019.100	415.500	1029.000	416.500	1029.100
GR	416.500	1055.000	425.400	1119.000	424.300	1184.000	423.200	1284.000	422.300	1384.000
GR	423.300	1484.000	427.000	1584.000	431.700	1684.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.700	0.000	45.100	0.100	360.000	0.000	415.500	415.500

08-2 DRIVEWAY

X1	400.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	423.500	422.300	0.000	0.000	0.000	0.000	0.000
BT	14.000	862.000	430.900	0.000	907.000	428.500	0.000	984.000	426.600	0.000
BT	1005.000	426.100	0.000	1005.100	426.100	423.500	1054.900	426.100	423.500	1055.000
BT	426.100	0.000	1084.000	425.900	0.000	1184.000	424.300	0.000	1284.000	423.200
BT	0.000	1384.000	422.300	0.000	1484.000	423.300	0.000	1584.000	427.000	0.000
BT	1684.000	431.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

08-3 VALLEY

X1	440.000	17.000	1000.000	1062.000	40.000	40.000	40.000	0.000	0.000	0.000
GR	430.900	862.000	425.100	962.000	420.600	1000.000	415.600	1011.000	414.100	1021.000
GR	413.500	1031.000	412.300	1041.000	414.600	1051.000	415.800	1060.000	416.000	1062.000
GR	425.400	1119.000	424.300	1184.000	423.200	1284.000	422.300	1384.000	423.300	1484.000
GR	427.000	1584.000	431.700	1684.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
X1	500.000	0.000	0.000	0.000	60.000	60.000	60.000	0.000	0.100	0.000
X1	1000.000	13.000	830.000	1200.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	740.000	730.000	430.000	1770.000	420.000	810.000	416.000	830.000	415.000	1000.000
GR	413.000	1005.000	412.500	1030.000	413.000	1050.000	415.000	1055.000	416.000	1200.000
GR	426.000	1250.000	430.000	1300.000	440.000	1360.000	0.000	0.000	0.000	0.000
X1	1520.000	12.000	790.000	1070.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	440.000	620.000	430.000	680.000	420.000	770.000	416.000	790.000	415.000	1000.000
GR	413.500	1005.000	412.700	1025.000	413.500	1045.000	415.000	1050.000	416.000	1070.000
GR	426.000	1110.000	440.000	1150.000	0.000	0.000	0.000	0.000	0.000	0.000

08-4 VALLEY

X1	2820.000	12.000	1000.000	1045.000	1300.000	1300.000	1300.000	0.000	0.000	0.000
GR	441.000	800.000	431.500	900.000	419.700	783.000	419.300	1000.000	418.000	1003.000
GR	413.800	1015.000	415.200	1023.000	414.700	1033.000	418.400	1045.000	419.100	1045.000
GR	434.100	1100.000	439.900	1118.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	1555.000	2865.000	3615.000	5954.000	3615.000	0.000	0.000	0.000	0.000
X1	3900.000	12.000	1000.000	1038.000	1080.000	1080.000	1080.000	0.000	0.000	0.000
GR	450.000	450.000	440.000	680.000	450.000	830.000	425.000	900.000	421.000	1000.000
GR	418.900	1006.000	417.900	1011.000	418.300	1022.000	422.000	1038.000	435.600	1110.000

X1	3980.000	19.000	1003.000	1041.000	80.000	80.000	80.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	440.700	441.000	0.000
GR	450.500	440.000	447.200	515.000	442.800	615.000	440.000	680.000	437.700	715.000
GR	430.000	830.000	26.000	900.000	422.000	1003.000	418.500	1008.000	418.300	1013.000
GR	418.200	1018.000	4.0.100	1023.000	418.500	1028.000	421.500	1033.000	421.000	1038.000
GR	422.000	1031.000	4.5.900	1110.000	440.000	1103.000	448.000	1215.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	12.000	0.000	456.000	0.000	418.200	418.100

05-5 US HWY 70

X1	4045.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	436.000	445.300	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	445.300	445.700	0.000
B1	19.000	440.000	450.500	450.500	515.000	450.000	447.200	615.000	448.400	442.800
BT	680.000	447.500	440.000	715.000	447.100	437.700	830.000	445.900	430.000	900.000
BT	445.400	426.000	1003.000	445.600	422.000	1008.000	445.600	429.000	1013.000	445.700
BT	433.300	1018.000	445.700	435.500	1023.000	445.700	436.000	1028.000	445.800	434.900
BT	1033.000	445.800	431.900	1038.000	445.900	425.600	1041.000	445.900	422.000	1110.000
BT	446.300	435.900	1143.000	446.000	440.000	1215.000	448.000	448.000	0.000	0.000

X1	4100.000	15.000	1000.000	1038.000	55.000	55.000	55.000	0.000	-0.500	0.000
GR	431.000	350.000	438.100	410.000	433.100	510.000	430.300	610.000	428.800	710.000
GR	425.800	810.000	423.900	910.000	423.200	1000.000	420.300	1006.000	419.300	1011.000
GR	419.700	1022.000	423.000	1038.000	437.000	1110.000	441.000	1143.000	448.000	1215.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000

05-6 VALLEY

X1	4180.000	0.000	0.000	0.000	80.000	80.000	80.000	0.000	0.500	0.000
UT	5.000	1403.000	2591.000	3273.000	3402.000	3273.000	0.000	0.000	0.000	0.000

X1	5500.000	0.000	0.000	0.000	1320.000	1320.000	1320.000	0.000	3.800	0.000
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X1	6630.000	13.000	1000.000	1040.000	1130.000	1130.000	1130.000	0.000	0.000	0.000
GR	460.000	570.000	450.000	670.000	446.000	800.000	432.000	900.000	429.000	1000.000
GR	427.000	1004.000	426.400	1012.000	427.000	1020.000	427.900	1023.000	429.000	1040.000
GW	440.000	1090.000	450.000	1130.000	460.000	1180.000	0.000	0.000	0.000	0.000

X1	7000.000	0.000	0.000	0.000	370.000	370.000	370.000	0.000	1.000	0.000
NC	0.000	0.000	0.000	0.500	0.700	0.000	0.000	0.000	0.000	0.000

X1	7115.000	20.000	1000.000	1035.000	115.000	115.000	115.000	0.000	-0.600	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	451.000	451.700	0.000
GR	460.000	570.000	454.900	800.000	452.200	919.000	451.400	954.000	431.100	1000.000
GR	428.300	1005.000	428.200	1010.000	428.800	1015.000	430.500	1020.000	430.500	1025.000
GR	430.300	1030.000	430.100	1035.000	430.100	1038.000	431.100	1040.000	439.200	1054.000
GR	450.400	1074.000	452.200	1119.000	456.000	1219.000	460.000	1319.000	463.000	1400.000
SB	0.000	1.680	2.800	0.000	11.700	0.000	443.000	0.000	428.200	427.700

05-6 I-85

X1	7270.000	0.000	0.000	0.000	155.000	155.000	155.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	446.100	454.900	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	454.900	457.100	0.000
BT	20.000	570.000	460.000	0.000	600.000	455.900	455.900	919.000	455.200	452.200

BT	456,600	443,100	1015,000	456,700	445,000	1020,000	456,800	446,100	1025,000	456,800
BT	445,100	1030,000	456,900	442,100	1035,000	457,000	436,100	1038,000	457,100	430,100
BT	1040,000	457,100	431,100	1054,000	457,400	439,200	1074,000	457,700	450,400	1119,000
BT	458,400	452,200	1214,000	460,300	456,000	1319,000	461,400	460,000	1400,000	463,000
BT	463,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

08-7 VALLEY

X1	7300,000	0,000	0,000	0,000	30,000	30,000	30,000	0,000	0,500	0,000
X1	7380,000	12,000	1000,000	1023,000	80,000	80,000	80,000	0,000	-2,200	0,000
GR	460,000	670,000	450,000	800,000	440,000	840,000	433,400	1000,000	431,400	1004,000
GR	430,800	1012,000	431,400	1020,000	432,200	1023,000	433,300	1040,000	440,000	1110,000
GR	450,000	1150,000	460,000	1210,000	0,000	0,000	0,000	0,000	0,000	0,000
NC	0,000	0,000	0,000	0,100	0,300	0,000	0,000	0,000	0,000	0,000

X1	7870,000	0,000	0,000	0,000	490,000	490,000	490,000	0,000	2,200	0,000
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X1	8500,000	0,000	0,000	0,000	630,000	630,000	630,000	0,000	2,800	0,000
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X1	9000,000	0,000	0,000	0,000	500,000	500,000	500,000	0,000	2,200	0,000
DT	5,000	1331,000	2462,000	3111,000	5140,000	3111,000	0,000	0,000	0,000	0,000

08-8 VALLEY

X1	9840,000	14,000	1000,000	1032,000	840,000	840,000	840,000	0,000	0,000	0,000
GR	466,100	643,000	463,500	743,000	459,500	843,000	450,200	943,000	444,400	1000,000
GR	440,600	1007,000	439,500	1017,000	440,800	1029,000	444,400	1032,000	445,100	1043,000
FR	451,200	1143,000	459,800	1243,000	465,300	1329,000	474,000	1450,000	0,000	0,000
NC	0,000	0,000	0,000	0,500	0,700	0,000	0,000	0,000	0,000	0,000

X1	10000,000	16,000	1005,000	1030,000	160,000	160,000	160,000	0,000	0,000	0,000
X3	10,000	0,000	0,000	0,000	0,000	0,000	0,000	454,000	454,000	0,000
GR	466,100	643,000	463,500	743,000	459,500	843,000	451,000	943,000	444,500	1005,000
GR	440,500	1010,000	440,400	1015,000	440,300	1020,000	440,600	1025,000	443,000	1030,000
GR	445,200	1032,000	445,900	1043,000	452,000	1143,000	459,800	1243,000	465,300	1329,000
GR	474,000	1450,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
SB	1,050	1,600	2,800	0,000	21,400	1,500	279,000	0,100	440,500	440,300

08-9 SR 1712

X1	10040,000	0,000	0,000	0,000	40,000	40,000	40,000	0,000	0,200	0,000
X2	0,000	0,000	1,000	453,000	455,100	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	455,300	455,300	0,000
BT	16,000	643,000	466,100	0,000	743,000	463,500	0,000	843,000	459,500	0,000
BT	885,000	450,100	456,000	985,000	455,400	446,800	1005,000	455,100	444,300	1005,100
BT	455,100	453,000	1029,900	455,100	453,000	1030,000	455,100	443,000	1032,000	455,200
BT	445,200	1085,000	455,800	447,900	1185,000	460,900	455,300	1229,000	464,100	458,900
BT	1243,000	464,700	459,800	1329,000	466,500	460,300	1450,000	474,000	474,000	0,000

X1	10100,000	14,000	1000,000	1032,000	60,000	60,000	60,000	0,000	1,000	0,000
GR	466,100	643,000	463,500	743,000	459,500	843,000	450,200	943,000	444,400	1000,000
GR	440,600	1007,000	439,500	1017,000	440,800	1029,000	444,400	1032,000	445,100	1043,000
GR	451,200	1143,000	459,800	1243,000	465,300	1329,000	474,000	1450,000	0,000	0,000
NC	0,000	0,000	0,000	0,100	0,300	0,000	0,000	0,000	0,000	0,000



X1	10380.000	0.000	0.000	0.000	280.000	280.000	280.000	0.000	0.800	0.000
NC	0.000	0.000	0.000	0.500	0.700	0.000	0.000	0.000	0.000	0.000
X1	10470.000	18.000	1004.000	1025.000	90.000	90.000	90.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	470.300	469.600	0.000
GR	480.000	650.000	466.500	689.000	450.400	772.000	449.400	789.000	446.200	889.000
GR	446.400	989.000	445.200	1004.000	444.000	1004.100	442.400	1010.000	442.000	1015.000
GR	442.700	1020.000	444.200	1024.900	445.100	1025.000	446.100	1040.000	464.000	1089.000
GR	466.500	1119.000	474.800	1212.000	480.000	1270.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	18.700	0.000	393.000	0.000	442.100	442.000
OS-10 SOUTHERN RR										
X1	10505.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	464.400	474.800	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	476.200	474.800	0.000
BT	16.000	650.000	480.000	680.000	609.000	479.400	466.500	772.000	478.400	450.400
BT	789.000	478.300	449.400	889.000	477.300	448.200	989.000	476.300	446.400	1004.600
BT	476.200	445.200	1004.100	476.200	454.800	1010.000	476.100	462.800	1015.000	476.100
BT	464.400	1020.000	476.100	463.400	1024.900	476.000	454.800	1025.000	476.000	445.100
BT	1040.000	475.800	446.100	1089.000	475.600	464.000	1119.000	475.300	466.500	1212.000
BT	474.800	474.800	1270.000	480.000	480.000	0.000	0.000	0.000	0.000	0.000
X1	10600.000	15.000	1000.000	1028.000	95.000	95.000	95.000	0.000	-1.600	0.000
GR	480.000	650.000	468.700	689.000	452.600	772.000	451.600	789.000	450.400	889.000
GR	448.600	989.000	447.800	1000.000	445.300	1002.000	444.200	1015.000	445.300	1023.000
GR	447.500	1028.000	448.400	1040.000	466.200	1089.000	468.700	1119.000	480.000	1270.000
NC	0.000	0.000	0.000	0.100	0.700	0.000	0.000	0.000	0.000	0.000
OS-11 VALLEY										
X1	10920.000	0.000	0.000	0.000	320.000	320.000	320.000	0.000	1.600	0.000
X1	11300.000	0.000	0.000	0.000	380.000	380.000	380.000	0.000	1.900	0.000
X1	12000.000	16.000	1000.000	1021.000	700.000	700.000	700.000	0.000	-5.400	0.000
GR	483.900	666.000	473.100	666.000	463.400	727.000	460.900	766.000	460.800	866.000
GR	459.600	966.000	460.200	1000.000	456.100	1003.000	455.100	1010.000	456.100	1017.000
GR	461.400	1021.000	462.600	1066.000	465.900	1166.000	471.700	1266.000	470.200	1366.000
GR	482.100	1441.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	12630.000	0.000	0.000	0.000	630.000	630.000	630.000	0.000	2.700	0.000
OS-12 VALLEY										
X1	13260.000	0.000	0.000	0.000	630.000	630.000	630.000	0.000	2.700	0.000
QT	5.000	1192.000	2211.000	2797.000	4633.000	2797.000	0.000	0.000	0.000	0.000
OS-13 VALLEY										
X1	14870.000	14.000	1000.000	1018.000	1610.000	1610.000	1610.000	0.000	0.000	0.000
GR	489.100	703.000	474.300	803.000	463.100	857.000	463.100	903.000	463.600	1000.000
GR	461.200	1003.000	460.000	1009.000	461.600	1015.000	465.300	1018.000	464.900	1103.000
GR	489.400	1153.000	469.300	1180.000	470.400	1203.000	487.000	1294.000	0.000	0.000

	15000.000	17000	19000	2100	23000	25000	27000	29000	31000	33000
NC	0.000	0.000	0.000	0.300	0.500	0.000	0.000	0.000	0.000	0.000
X1	15155.000	17.000	970.000	1040.000	155.000	155.000	155.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	470.700	469.700	0.000
GR	490.000	500.000	473.000	766.000	464.000	857.000	463.600	970.000	463.600	985.000
GR	462.300	990.000	462.400	995.000	460.900	1000.000	461.000	1005.000	460.600	1010.000
GR	461.400	1015.000	463.200	1020.000	464.400	1025.000	464.700	1040.000	465.900	1103.000
GR	469.700	1166.000	487.000	1294.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.600	2.000	0.000	20.100	1.000	401.000	2.580	460.800	460.600
08-14 SR 1710										
X1	15185.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	469.900	469.700	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	471.500	469.700	0.600
BT	8.000	500.000	490.000	0.000	766.000	473.000	473.000	866.000	471.700	0.000
BT	970.000	471.500	469.900	1040.000	470.800	469.300	1066.000	470.500	0.000	1166.000
BT	469.700	469.700	1294.000	487.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	15250.000	14.000	1000.000	1016.000	65.000	65.000	65.000	0.000	0.200	0.000
GR	482.500	366.000	475.900	566.000	470.700	666.000	466.700	766.000	466.600	866.000
GR	464.000	966.000	464.900	1000.000	461.700	1002.000	461.100	1008.000	461.900	1014.000
GR	464.500	1016.000	465.000	1029.000	474.600	1066.000	467.200	1092.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
08-15 VALLEY										
X1	15360.000	0.000	0.000	0.000	110.000	110.000	110.000	0.000	0.200	0.000
08-16 VALLEY										
X1	17450.000	15.000	1000.000	1018.000	2090.000	2090.000	2090.000	0.000	0.000	0.000
GR	489.200	877.000	471.800	958.000	477.200	977.000	467.300	1000.000	464.600	1003.000
GR	464.500	1008.000	464.900	1015.000	468.300	1018.000	468.600	1077.000	470.100	1177.000
GR	470.200	1277.000	470.600	1377.000	473.300	1477.000	480.500	1577.000	434.700	1627.000
X1	18350.000	13.000	1000.000	1018.000	880.000	880.000	880.000	0.000	0.000	0.000
GR	500.000	740.000	490.000	820.000	480.000	900.000	474.000	950.000	470.500	1000.000
GR	467.600	1005.000	467.300	1008.000	467.900	1015.000	471.600	1018.000	473.000	1100.000
GR	480.000	1200.000	490.000	1280.000	500.000	1400.000	0.000	0.000	0.000	0.000
BT	5.000	968.000	1841.000	2335.000	3879.000	2335.000	0.000	0.000	0.000	0.000
X1	19500.000	15.000	1000.000	1018.000	1170.000	1170.000	1170.000	0.000	6.900	0.000
GR	489.200	877.000	471.800	958.000	477.200	977.000	467.300	1000.000	464.600	1003.000
GR	464.500	1008.000	464.900	1015.000	468.300	1018.000	468.600	1077.000	470.100	1177.000
GR	470.200	1277.000	470.600	1377.000	473.300	1477.000	480.500	1577.000	434.600	1627.000
X1	20000.000	14.000	1000.000	1022.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	500.600	560.000	483.800	660.000	479.900	701.000	479.800	760.000	479.800	860.000
GR	479.200	960.000	477.300	1000.000	472.900	1062.000	472.900	1015.000	475.000	1019.000
GR	476.200	1022.000	477.100	1060.000	494.200	1160.000	497.200	1200.000	0.000	0.000
NC	0.000	0.000	0.000	0.400	0.600	0.000	0.000	0.000	0.000	0.000
X1	20145.000	20.000	985.000	1020.000	145.000	145.000	145.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	481.700	481.700	0.000
GR	500.600	560.000	483.800	660.000	479.900	701.000	479.800	760.000	479.600	860.000

GR	474.200	1000.000	473.400	1005.000	473.700	1010.000	473.900	1015.000	475.400	1019.900
GR	476.200	1020.000	477.100	1060.000	485.200	1107.000	494.200	1160.000	497.200	1200.000
SB	0.000	1.600	2.600	0.000	17.300	0.100	203.000	1.580	473.400	473.400

US-17 NEW HOPE RD(SR 1723)

X1	20175.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	480.500	482.900	0.000	0.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	481.800	482.900	0.000
BT	12.000	560.000	500.600	0.000	660.000	483.800	0.000	707.000	482.700	0.000
BT	807.000	481.800	0.000	907.000	482.200	0.000	985.000	482.900	0.000	985.100
BT	482.900	480.500	1019.900	482.900	480.500	1020.000	482.900	0.000	1107.000	485.200
BT	0.000	1160.000	494.200	0.000	1200.000	497.200	0.000	0.000	0.000	0.000

X1	20250.000	14.000	1000.000	1022.000	75.000	75.000	75.000	0.000	1.400	0.000
GR	500.600	560.000	483.600	660.000	479.900	701.000	479.800	760.000	479.800	860.000
GR	479.200	960.000	477.300	1000.000	472.600	1002.000	471.400	1009.000	475.000	1019.000
GR	476.200	1022.000	477.100	1060.000	494.200	1160.000	497.200	1200.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000

US-18 VALLEY

X1	20480.000	0.000	0.000	0.000	250.000	230.000	230.000	0.000	-1.400	0.000
QT	5.000	720.000	1353.000	1719.000	2877.000	1714.000	0.000	0.000	0.000	0.000

X1	21000.000	0.000	0.000	0.000	520.000	520.000	520.000	0.000	2.500	0.000
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US-19 VALLEY

X1	21760.000	15.000	1000.000	1017.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	502.400	742.000	494.200	842.000	485.100	897.000	483.000	942.000	481.200	1000.000
GR	477.800	1004.000	478.100	1009.000	477.900	1013.000	481.600	1017.000	482.300	1042.000
GR	483.400	1142.000	484.000	1242.000	491.500	1342.000	498.700	1442.000	502.400	1490.000

US-20 VALLEY

X1	22990.000	14.000	2000.000	1017.000	1230.000	1230.000	1230.000	0.000	0.000	0.000
GR	508.300	761.000	501.700	861.000	490.700	961.000	487.100	984.000	487.100	1000.000
GR	483.000	1004.000	483.100	1009.000	483.000	1015.000	487.600	1017.000	487.200	1061.000
GR	487.400	1161.000	489.300	1201.000	501.700	1361.000	507.200	1406.000	0.000	0.000

X1	24800.000	16.000	1000.000	1020.000	1810.000	1810.000	1810.000	0.000	-0.400	0.000
GR	518.600	500.000	513.100	600.000	508.400	700.000	499.900	800.000	496.300	826.000
GR	495.500	900.000	494.600	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000
GR	495.400	1020.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.500	1317.000
GR	515.200	1355.000	0.000	0.000	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

X1	24890.000	21.000	1004.000	1018.000	90.000	90.000	90.000	0.000	-0.200	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	496.700	496.700	0.000
GR	518.600	500.000	513.100	600.000	508.400	700.000	506.900	717.000	505.100	740.000
GR	499.900	800.000	496.300	826.000	494.200	840.000	495.500	900.000	495.200	940.000
GR	494.800	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000	495.400	1020.000
GR	497.700	1048.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.800	1317.000
GR	515.200	1355.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.600	0.000	11.400	0.000	57.000	0.000	491.200	491.100



05-21 UNNAMED ROAD

X1	24905.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	496.200	497.200	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	497.200	497.200	0.000
BT	21.000	500.000	518.600	518.600	600.000	513.100	513.100	700.000	506.900	506.900
BT	717.000	505.100	505.100	740.000	506.200	505.100	800.000	502.000	499.900	826.000
BT	500.200	496.300	840.000	499.200	496.200	900.000	498.100	495.500	440.000	497.200
BT	475.200	1000.000	497.200	494.800	1004.000	497.200	491.900	1011.000	497.200	496.200
BT	1018.000	497.200	491.200	1020.000	497.300	495.400	1048.000	497.700	497.700	1100.000
BT	502.100	502.100	1160.000	530.800	503.800	1240.000	504.700	504.700	1317.000	506.800
BT	506.800	1355.000	515.200	515.200	0.000	0.000	0.000	0.000	0.000	0.000

05-21A VALLEY

X1	24915.000	10.000	1000.000	1020.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	518.600	500.000	513.100	600.000	508.400	700.000	499.900	800.000	496.300	826.000
GR	495.500	900.000	494.800	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000
GR	495.400	1020.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.800	1317.000
GR	515.200	1355.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
WT	5.000	570.000	1078.000	1373.000	2310.000	1373.000	0.000	0.000	0.000	0.000

X1	24980.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
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X1	25045.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
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X1	25110.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
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X1	25175.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
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X1	25310.000	11.000	1000.000	1018.000	135.000	135.000	135.000	0.000	-4.000	0.000
GR	530.000	780.000	520.000	830.000	505.000	900.000	504.500	1000.000	501.500	1005.000
GR	501.000	1010.000	501.300	1016.000	504.500	1016.000	510.000	1150.000	520.000	1350.000
GR	530.000	1450.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	25600.000	0.000	0.000	0.000	290.000	290.000	290.000	0.000	4.000	0.000
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X1	25890.000	0.000	0.000	0.000	290.000	290.000	290.000	0.000	4.000	0.000
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X1	26200.000	12.000	1000.000	1018.000	310.000	310.000	310.000	0.000	0.000	0.000
GR	540.000	780.000	530.000	850.000	520.000	910.000	514.000	943.000	513.000	1000.000
GR	510.000	1005.000	509.400	1010.000	509.800	1016.000	515.000	1010.000	513.000	1020.000
GR	530.000	1130.000	540.000	1190.000	0.000	0.000	0.000	0.000	0.000	0.000

05-22 VALLEY

X1	26800.000	9.000	1000.000	1017.000	600.000	600.000	600.000	0.000	0.600	0.000
GR	545.500	800.000	534.100	900.000	521.100	970.000	520.800	1000.000	518.200	1003.000
GR	517.700	1009.000	518.000	1015.000	520.400	1017.000	540.900	1100.000	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

\*\*\*\*\*  
 REC2 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 STONY CREEK  
 T3 50-YR FLOOD APR 70 CWF

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WELL	FW
	-10.	3.	0.	0.	0.004900	0.00	0.0	0.	400.800	0.000
J2	NPRDF	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

\*SECNO 99850.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	GLOB	OCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	NTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CONAR	TOPWID	ENDST

END RIVER VALLEY SECTION

99850.00	11.44	396.14	0.00	400.80	396.70	0.56	0.00	0.00	394.00
6755.	17.	6731.	7.	19.	1116.	8.	0.	0.	394.00
0.00	0.90	6.05	0.88	0.120	0.060	0.120	0.000	384.70	982.17
0.000895	0.	0.	0.	0	0	0	0.00	194.96	1177.15

\*SECNO .000

3301 HV CHANGED MORE THAN HVINS

0.00	11.96	396.96	0.00	0.00	396.98	0.02	0.28	0.00	385.90
3070.	105.	683.	2284.	199.	365.	3472.	15.	3.	388.50
0.08	0.52	1.87	0.66	0.120	0.060	0.120	0.060	385.00	931.97
0.000229	260.	260.	260.	2	0	0	0.00	694.50	1626.47

\*SECNO 50.000

50.00	7.74	396.84	0.00	0.00	397.01	0.17	0.03	0.60	390.00
3070.	68.	1166.	1816.	58.	230.	1212.	19.	3.	392.40
0.08	1.59	5.08	1.50	0.120	0.060	0.120	0.060	389.10	982.90
0.003132	50.	50.	50.	2	0	0	0.00	486.25	1469.16

\*SECNO 100.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	GLOBAL	OCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02

MODIFICATION - 50,51,52,53  
 \*\*\*\*\*

T1 ORANGE COUNTY FIA STUDY  
 T2 STONY CREEK  
 T3 100-YR FLOOD APR 78 CWF

J1	ICHECK	INO	NINV	IOIR	SINT	MEIRIC	HVINS	Q	RSEL	FW
	-10.	4.	0.	0.	0.005100	0.00	0.0	0.	402.000	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	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

\*SECNO 99850.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	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	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

END RIVER VALLEY SECTION

99850.00	11.81	396.51	0.00	402.00	397.14	0.63	0.00	0.00	394.00
7556.	27.	7519.	10.	26.	1179.	10.	0.	0.	394.00
0.00	1.02	6.38	1.00	0.120	0.060	0.120	0.000	354.70	979.09
0.005089	0.	0.	0.	0	0	0	0.00	199.27	1178.36

\*SECNO .000

3301 HV CHANGED MORE THAN HVINS

0.00	12.42	397.42	0.00	0.00	397.45	0.02	0.31	0.00	385.90
3871.	137.	827.	2407.	232.	380.	3746.	17.	3.	388.30
0.07	0.59	2.18	0.78	0.120	0.060	0.120	0.060	385.00	922.64
0.000295	260.	260.	260.	2	0	0	0.00	707.56	1630.20

\*SECNO 50.000

50.00	8.18	397.28	0.00	0.00	397.48	0.20	0.04	0.00	390.00
3871.	109.	1362.	2400.	66.	244.	1413.	20.	3.	392.40
0.07	1.65	5.58	1.70	0.120	0.060	0.120	0.060	389.10	981.79
0.003493	50.	50.	50.	2	0	0	0.00	512.16	1493.95

\*SECNO 100.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

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

T1 ORANGE COUNTY FIA STUDY  
 T2 STONY CREEK

T3 500-YR FLOOD APR 78 CWF

J1	ICHECK	INQ	NINV	IDJR	SIRT	METRIC	HVINS	U	WSEL	FN
	-10.	5.	0.	0.	0.005200	0.00	0.0	0.	405.000	0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	ISB	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF A

\*SECNO 99850.000

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	HTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLDR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

END RIVER VALLEY SECTION

99850.00	13.04	397.74	0.00	405.00	398.55	0.79	0.00	0.00	394.00
10051.	78.	9942.	31.	58.	1388.	25.	0.	0.	394.00
0.00	1.34	7.16	1.31	0.120	0.060	0.120	0.000	364.76	968.87
0.005168	0.	0.	0.	0	0	5	0.00	213.59	1182.46

\*SECNO .000

3301 HV CHANGED MORE THAN HVINS

0.00	15.84	398.84	0.00	0.00	398.88	0.04	0.30	0.00	388.30
6366.	276.	1219.	4872.	358.	425.	4604.	20.	3.	388.30
0.05	0.77	2.87	1.06	0.120	0.060	0.120	0.060	385.00	900.88
0.000440	260.	260.	260.	2	0	0	0.00	740.88	1641.76

\*SECNO 50.000

50.00	9.61	398.71	0.00	0.00	398.95	0.22	0.05	0.00	390.00
6366.	177.	1823.	4366.	95.	290.	2121.	25.	4.	392.40
0.06	1.87	6.30	2.06	0.120	0.060	0.120	0.060	389.10	978.23
0.003539	50.	50.	50.	2	0	0	0.00	584.01	1562.84

\*SECNO 100.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	WSEL	CRINS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

\*\*\*\*\*  
 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 APR 76 CNF

SUMMARY PRINTOUT

SECNO	CNSL	EG	ELMIN	ELLC	TOP#ID
99850.000	395.33	395.79	384.70	0.00	185.49
99850.000	396.14	396.70	384.70	0.00	194.96
99850.000	396.51	397.14	384.70	0.00	199.27
99850.000	397.74	398.53	384.70	0.00	213.59
0.000	396.01	396.02	385.00	0.00	667.34
0.000	396.96	396.98	385.00	0.00	694.50
0.000	397.42	397.45	385.00	0.00	707.56
0.000	398.84	398.88	385.00	0.00	740.88
50.000	395.92	396.03	389.10	0.00	433.08
50.000	396.84	397.01	389.10	0.00	466.25
50.000	397.28	397.48	389.10	0.00	512.16
50.000	398.71	398.93	389.10	0.00	584.61
* 100.000	398.45	399.13	393.20	0.00	336.87
* 100.000	399.26	400.09	393.20	0.00	386.15
* 100.000	399.61	400.52	393.20	0.00	407.98
* 100.000	400.44	401.56	393.20	0.00	457.16
* 150.000	402.46	403.24	397.50	0.00	331.14
* 150.000	403.24	404.19	397.50	0.00	378.75
* 150.000	403.66	404.61	397.50	0.00	405.65
* 150.000	404.42	405.66	397.50	0.00	450.61
* 200.000	406.61	407.33	401.40	0.00	334.15
* 200.000	407.40	408.29	401.40	0.00	382.78
* 200.000	407.69	408.72	401.40	0.00	400.41
* 200.000	408.58	409.76	401.40	0.00	453.99
* 250.000	410.69	411.43	405.50	0.00	332.76
* 250.000	411.47	412.39	405.50	0.00	380.86
* 250.000	411.85	412.81	405.50	0.00	403.09
* 250.000	412.66	413.66	405.50	0.00	452.42
* 290.000	414.10	414.63	408.90	0.00	333.45
* 290.000	414.89	415.79	408.90	0.00	381.85
* 290.000	415.21	416.21	408.90	0.00	401.66
* 290.000	416.07	417.26	408.90	0.00	453.20



SECNO	CRSEL	EG	ELMIN	ELLC	TOPWID
* 340.000	417.29	418.03	412.10	0.00	333.12
* 340.000	418.08	418.99	412.10	0.00	381.36
* 340.000	418.42	419.41	412.10	0.00	402.46
* 340.000	419.26	420.46	412.10	0.00	452.62
* 385.000	417.56	421.01	415.50	0.00	74.54
* 385.000	421.07	423.07	415.50	0.00	91.82
* 385.000	421.81	424.03	415.50	0.00	103.34
* 385.000	424.37	425.68	415.50	0.00	475.09
400.000	419.56	421.01	415.50	423.50	74.54
400.000	421.75	423.19	415.50	423.50	102.56
* 400.000	421.96	424.03	415.50	423.50	105.82
400.000	424.53	425.68	415.50	423.50	492.99
440.000	421.49	421.70	412.30	0.00	102.84
440.000	423.47	423.83	412.30	0.00	361.10
440.000	424.61	424.94	412.30	0.00	501.44
440.000	426.04	426.46	412.30	0.00	611.91
500.000	421.61	421.82	412.40	0.00	103.15
500.000	423.63	423.98	412.40	0.00	368.81
500.000	424.74	425.06	412.40	0.00	505.87
500.000	426.21	426.61	412.40	0.00	615.45
1000.000	421.91	421.92	412.50	0.00	457.17
1000.000	424.10	424.11	412.50	0.00	476.87
1000.000	425.18	425.20	412.50	0.00	486.64
1000.000	426.78	426.81	412.50	0.00	501.00
1520.000	421.94	421.95	412.70	0.00	361.35
1520.000	424.14	424.16	412.70	0.00	385.51
1520.000	425.22	425.25	412.70	0.00	397.46
1520.000	426.84	426.89	412.70	0.00	415.29
2820.000	422.03	422.40	413.20	0.00	101.19
2820.000	424.18	424.76	413.20	0.00	121.49
2820.000	425.25	425.90	413.20	0.00	131.50
2820.000	426.82	427.95	413.20	0.00	146.52
3900.000	425.85	426.14	417.90	0.00	170.35
3900.000	428.10	428.41	417.90	0.00	213.92
3900.000	429.15	429.47	417.90	0.00	234.00
3900.000	431.69	432.04	417.90	0.00	284.52
3980.000	425.98	426.58	418.10	0.00	38.00
3980.000	427.82	429.07	418.10	0.00	38.00
3980.000	428.59	430.26	418.10	0.00	38.00
3980.000	429.98	433.39	418.10	0.00	38.00
4045.000	426.41	427.00	418.20	436.00	38.00
4045.000	428.49	429.73	418.20	436.00	38.00
4045.000	429.45	431.11	418.20	436.00	38.00
4045.000	431.55	434.87	418.20	436.00	38.00

SECNO	CASEL	LG	ELMIN	ELLC	TOPWID
4100.000	427.10	427.19	418.80	0.00	320.84
4100.000	429.89	429.95	418.80	0.00	469.04
4100.000	431.31	431.36	418.80	0.00	527.13
4100.000	435.22	435.26	418.80	0.00	645.70
4180.000	427.20	427.32	419.30	0.00	503.40
4180.000	429.94	430.02	419.30	0.00	444.93
4180.000	431.35	431.42	419.30	0.00	508.51
4180.000	435.24	435.29	419.30	0.00	633.82
5500.000	430.11	430.30	423.10	0.00	264.63
5500.000	431.80	432.00	423.10	0.00	338.60
5500.000	432.79	432.97	423.10	0.00	390.15
5500.000	436.00	436.10	423.10	0.00	543.00
6630.000	433.41	433.60	426.40	0.00	177.60
6630.000	435.04	435.31	426.40	0.00	205.34
6630.000	435.75	436.07	426.40	0.00	217.56
6630.000	437.81	438.22	426.40	0.00	252.78
7000.000	434.43	434.62	427.40	0.00	178.03
7000.000	436.18	436.44	427.40	0.00	207.87
7000.000	436.96	437.26	427.40	0.00	221.18
7000.000	439.06	439.43	427.40	0.00	256.75
7115.000	434.78	435.38	427.40	0.00	38.00
7115.000	436.46	437.70	427.40	0.00	38.00
7115.000	437.18	438.84	427.40	0.00	38.00
7115.000	436.98	442.03	427.40	0.00	38.00
7270.000	435.87	436.41	427.90	446.10	38.00
7270.000	438.36	439.37	427.90	446.10	38.00
7270.000	439.65	440.94	427.90	446.10	38.00
7270.000	443.25	445.46	427.90	446.10	38.00
7300.000	436.21	436.61	428.20	0.00	61.43
7300.000	439.17	439.75	428.20	0.00	72.26
7300.000	440.81	441.43	428.20	0.00	76.88
7300.000	445.72	446.34	428.20	0.00	98.76
7380.000	436.60	436.95	428.60	0.00	192.81
7380.000	440.01	440.12	428.60	0.00	248.75
7380.000	441.71	441.81	428.60	0.00	270.90
7380.000	446.68	446.75	428.60	0.00	335.45
7870.000	438.03	438.29	430.80	0.00	166.58
7870.000	440.72	440.94	430.80	0.00	224.34
7870.000	442.24	442.42	430.80	0.00	249.16
7870.000	445.95	447.07	430.80	0.00	310.39
8500.000	440.59	440.89	433.60	0.00	160.01
8500.000	442.60	442.95	433.60	0.00	210.64
8500.000	443.67	443.99	433.60	0.00	231.38
8500.000	447.61	447.81	433.60	0.00	282.50

SECNO	CNSL	LG	ELMIN	ELLC	TOPWID
9000.000	442.82	443.12	435.80	0.00	160.79
9000.000	444.74	445.10	435.80	0.00	212.78
9000.000	445.57	445.95	435.80	0.00	227.43
9000.000	448.59	448.88	435.80	0.00	266.62
9840.000	447.00	447.55	439.50	0.00	99.29
9840.000	448.92	449.67	439.50	0.00	150.08
9840.000	449.70	450.54	439.50	0.00	170.63
9840.000	451.55	452.56	439.50	0.00	218.62
10000.000	448.08	448.98	440.30	0.00	25.00
10000.000	450.09	451.95	440.30	0.00	25.00
10000.000	450.88	453.39	440.30	0.00	25.00
10000.000	452.47	457.54	440.30	0.00	25.00
10040.000	448.28	449.18	440.50	453.00	25.00
10040.000	450.64	452.39	440.50	453.00	25.00
10040.000	451.78	453.97	440.50	453.00	25.00
10040.000	457.36	457.54	440.50	453.00	338.62
10100.000	449.49	449.75	440.50	0.00	138.64
10100.000	453.15	453.33	440.50	0.00	232.00
10100.000	454.99	455.13	440.50	0.00	273.14
10100.000	457.45	457.60	440.50	0.00	327.90
10380.000	450.20	450.40	441.30	0.00	136.25
10380.000	453.52	453.74	441.30	0.00	222.77
10380.000	455.25	455.42	441.30	0.00	261.10
10380.000	457.72	457.93	441.30	0.00	316.63
10470.000	450.39	451.48	442.00	0.00	21.00
10470.000	453.33	455.27	442.00	0.00	21.00
10470.000	454.86	457.27	442.00	0.00	21.00
10470.000	456.62	461.51	442.00	0.00	21.00
10505.000	450.94	451.91	442.10	464.40	21.00
10505.000	454.18	455.87	442.10	464.40	21.00
10505.000	455.73	457.90	442.10	464.40	21.00
10505.000	458.46	462.86	442.10	464.40	21.00
10600.000	452.47	452.52	442.60	0.00	291.20
10600.000	456.75	456.78	442.60	0.00	325.00
10600.000	459.01	459.04	442.60	0.00	342.89
10600.000	465.06	465.09	442.60	0.00	394.99
10920.000	452.70	452.81	444.20	0.00	280.36
10920.000	456.84	456.89	444.20	0.00	313.10
10920.000	459.08	459.12	444.20	0.00	330.78
10920.000	465.10	465.13	444.20	0.00	378.43
11300.000	453.42	453.70	446.10	0.00	253.43
11300.000	457.06	457.15	446.10	0.00	299.81
11300.000	459.22	459.28	446.10	0.00	316.89
11300.000	465.17	465.21	446.10	0.00	363.90

SECNO	CWSEL	EG	ELMIN	ELLC	TDPWID
12000.000	456.87	457.12	449.70	0.00	309.09
12000.000	456.32	456.51	449.70	0.00	374.93
12000.000	459.91	460.01	449.70	0.00	433.26
12000.000	465.40	465.43	449.70	0.00	570.03
12630.000	460.02	460.17	452.40	0.00	332.13
12630.000	461.15	461.32	452.40	0.00	379.75
12630.000	461.71	461.89	452.40	0.00	400.07
12630.000	465.76	465.82	452.40	0.00	510.93
13260.000	462.57	462.75	455.10	0.00	325.46
13260.000	463.83	464.00	455.10	0.00	378.88
13260.000	464.39	464.57	455.10	0.00	399.38
13260.000	466.68	466.81	455.10	0.00	472.98
14870.000	466.90	466.95	460.00	0.00	286.54
14870.000	468.34	468.41	460.00	0.00	309.51
14870.000	469.00	469.08	460.00	0.00	320.05
14870.000	470.53	470.65	460.00	0.00	382.56
15000.000	467.13	467.18	460.40	0.00	283.77
15000.000	468.59	468.66	460.40	0.00	307.02
15000.000	469.26	469.34	460.40	0.00	317.73
15000.000	470.83	470.95	460.40	0.00	381.50
15155.000	467.42	467.64	460.60	0.00	70.00
15155.000	468.85	469.28	460.60	0.00	70.00
15155.000	469.49	470.06	460.60	0.00	70.00
15155.000	471.10	471.22	460.60	0.00	391.10
15185.000	467.43	467.67	460.80	469.90	70.00
15185.000	468.88	469.34	460.80	469.90	70.00
15185.000	470.40	470.61	460.80	469.90	199.68
15185.000	472.32	472.41	460.80	469.90	409.08
15250.000	467.82	467.93	460.90	0.00	307.70
15250.000	469.57	469.66	460.90	0.00	358.19
15250.000	470.70	470.77	460.90	0.00	389.65
15250.000	472.40	472.49	460.90	0.00	428.79
15360.000	468.16	468.26	461.10	0.00	311.80
15360.000	469.62	469.90	461.10	0.00	354.57
15360.000	470.89	470.96	461.10	0.00	389.28
15360.000	472.59	472.68	461.10	0.00	428.64
17450.000	472.11	472.16	464.30	0.00	476.36
17450.000	473.41	473.47	464.30	0.00	528.06
17450.000	474.03	474.09	464.30	0.00	539.58
17450.000	475.71	475.77	464.30	0.00	570.52
18330.000	474.22	474.66	467.30	0.00	169.33
18330.000	475.54	476.04	467.30	0.00	199.07
18330.000	476.13	476.66	467.30	0.00	212.38
18330.000	477.67	478.27	467.30	0.00	247.29

SECNO	LNSEL	EG	ELHIN	ELLC	TOPWID
19500.000	478.52	478.58	471.20	0.00	450.60
19500.000	479.77	479.83	471.20	0.00	508.19
19500.000	480.35	480.41	471.20	0.00	528.94
19500.000	481.85	481.91	471.20	0.00	556.67
20000.000	479.67	479.90	472.90	0.00	193.68
20000.000	480.86	481.16	472.90	0.00	391.21
20000.000	481.40	481.68	472.90	0.00	400.00
20000.000	482.83	483.07	472.90	0.00	423.22
20145.000	480.35	480.74	473.40	0.00	55.00
20145.000	481.58	482.49	473.40	0.00	35.00
20145.000	482.06	482.20	473.40	0.00	410.42
20145.000	483.32	483.55	473.40	0.00	432.09
20175.000	480.35	480.74	473.40	480.50	382.63
20175.000	482.80	482.85	473.40	480.50	422.56
20175.000	483.23	483.50	473.40	480.50	429.64
20175.000	484.22	484.33	473.40	480.50	443.63
20250.000	480.76	481.13	472.80	0.00	139.92
20250.000	482.86	483.02	472.80	0.00	400.86
20250.000	483.51	483.46	472.80	0.00	401.19
20250.000	484.34	484.57	472.80	0.00	425.04
20480.000	481.49	481.53	471.40	0.00	401.55
20480.000	483.27	483.31	471.40	0.00	430.32
20480.000	483.76	483.81	471.40	0.00	438.42
20480.000	484.93	485.01	471.40	0.00	452.53
21000.000	482.01	482.18	473.90	0.00	165.29
21000.000	483.72	483.83	473.90	0.00	396.95
21000.000	484.27	484.38	473.90	0.00	406.05
21000.000	485.61	485.72	473.90	0.00	427.67
21760.000	484.24	484.36	477.80	0.00	329.77
21760.000	485.38	485.48	477.80	0.00	364.96
21760.000	485.89	485.99	477.80	0.00	374.81
21760.000	487.20	487.30	477.80	0.00	400.21
22990.000	488.88	489.04	483.00	0.00	266.49
22990.000	489.79	489.96	483.00	0.00	298.11
22990.000	490.22	490.39	483.00	0.00	304.25
22990.000	491.35	491.54	483.00	0.00	322.42
24800.000	496.66	496.81	490.80	0.00	219.36
24800.000	497.82	497.98	490.80	0.00	241.46
24800.000	498.33	498.50	490.80	0.00	251.35
24800.000	499.63	499.83	490.80	0.00	276.75
24890.000	496.97	497.14	491.00	0.00	221.78
24890.000	498.13	498.31	491.00	0.00	244.07
24890.000	498.65	498.84	491.00	0.00	254.00
24890.000	499.97	500.19	491.00	0.00	280.24



SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
24905.000	498.15	498.21	491.10	496.20	242.65
24905.000	499.00	499.10	491.10	496.20	258.83
24905.000	499.37	499.49	491.10	496.20	265.74
24905.000	500.42	500.60	491.10	496.20	288.41
24915.000	498.17	498.22	491.20	0.00	240.60
24915.000	499.04	499.12	491.20	0.00	257.04
24915.000	499.41	499.51	491.20	0.00	264.14
24915.000	500.47	500.63	491.20	0.00	287.25
24980.000	498.25	498.31	492.10	0.00	224.74
24980.000	499.14	499.26	492.10	0.00	242.18
24980.000	499.56	499.67	492.10	0.00	249.76
24980.000	500.68	500.83	492.10	0.00	271.28
25045.000	498.33	498.53	493.00	0.00	209.28
25045.000	499.30	499.51	493.00	0.00	227.66
25045.000	499.72	499.94	493.00	0.00	235.71
25045.000	500.80	501.12	493.00	0.00	258.01
25110.000	498.60	499.10	493.90	0.00	163.22
25110.000	499.61	500.03	493.90	0.00	216.53
25110.000	500.05	500.44	493.90	0.00	224.96
25110.000	501.22	501.58	493.90	0.00	247.20
25175.000	499.42	499.97	494.80	0.00	155.19
25175.000	500.29	500.84	494.80	0.00	212.42
25175.000	500.69	501.22	494.80	0.00	219.99
25175.000	501.77	502.25	494.80	0.00	240.53
25310.000	501.44	502.08	497.00	0.00	142.44
25310.000	502.29	502.96	497.00	0.00	167.34
25310.000	502.65	503.36	497.00	0.00	177.51
25310.000	503.54	504.56	497.00	0.00	202.07
25600.000	505.69	506.12	501.00	0.00	149.77
25600.000	506.61	507.06	501.00	0.00	176.51
25600.000	507.05	507.51	501.00	0.00	180.89
25600.000	508.14	508.64	501.00	0.00	219.93
25890.000	509.47	510.07	505.00	0.00	113.71
25890.000	510.39	510.99	505.00	0.00	169.76
25890.000	510.78	511.40	505.00	0.00	181.10
25890.000	511.81	512.46	505.00	0.00	210.53
26200.000	514.19	514.84	509.40	0.00	93.20
26200.000	515.21	516.02	509.40	0.00	104.86
26200.000	515.66	516.55	509.40	0.00	110.07
26200.000	516.76	517.88	509.40	0.00	122.75
26800.000	523.52	523.12	517.70	0.00	57.81
26800.000	523.94	524.71	517.70	0.00	71.92
26800.000	524.58	525.44	517.70	0.00	78.24
26800.000	526.21	527.27	517.70	0.00	94.39

SUMMARY PRINTOUT

SECNO	CWSEL	WLOB	UCH	OROB	VLOB	VCH	VRUB
99850.000	395.33	4.77	5307.57	1.88	0.65	5.47	0.63
99850.000	396.14	17.19	6731.09	6.71	0.90	6.03	0.88
99850.000	396.51	26.81	7518.71	10.47	1.02	6.38	1.00
99850.000	397.74	78.19	9402.28	30.53	1.34	7.16	1.31
0.000	396.01	51.12	407.17	1210.71	0.36	1.22	0.42
0.000	396.96	103.27	682.57	2284.16	0.52	1.07	0.66
0.000	397.42	137.13	826.89	2906.90	0.59	2.18	0.78
0.000	398.84	275.76	1218.72	4871.51	0.77	2.87	1.06
50.000	395.92	49.06	764.12	855.62	1.12	5.61	1.03
50.000	396.84	87.52	1166.36	1816.12	1.50	5.08	1.50
50.000	397.28	109.40	1302.00	2399.60	1.65	5.56	1.70
50.000	398.71	177.22	1823.27	4365.51	1.87	6.50	2.06
* 100.000	398.45	53.67	1174.93	450.40	2.27	7.82	1.46
* 100.000	399.26	93.47	1594.78	1281.75	2.81	9.65	2.31
* 100.000	399.61	115.72	1949.75	1805.55	3.05	10.41	2.65
* 100.000	400.44	184.69	2665.75	5318.15	3.67	12.46	3.52
* 150.000	402.46	54.06	1212.52	402.42	2.58	8.24	1.47
* 150.000	403.24	94.13	1752.05	1223.82	2.97	10.16	2.58
* 150.000	403.66	115.98	1972.96	1762.05	3.11	10.62	2.66
* 150.000	404.42	184.65	2727.13	3454.08	3.32	12.96	3.62
* 200.000	406.61	53.85	1192.54	422.61	2.52	8.02	1.47
* 200.000	407.40	93.76	1720.39	1255.64	2.96	9.86	2.34
* 200.000	407.69	116.41	2010.67	1743.93	3.21	10.97	2.74
* 200.000	408.58	184.44	2693.99	5487.57	3.74	12.71	3.57
* 250.000	410.69	53.95	1201.69	413.50	2.55	8.12	1.47
* 250.000	411.47	93.94	1735.30	1240.76	2.92	10.02	2.36
* 250.000	411.83	116.16	1988.66	1766.18	3.15	10.76	2.71
* 250.000	412.66	184.62	2709.23	3472.15	3.77	12.83	3.59
* 290.000	414.10	53.90	1197.12	417.96	2.54	8.07	1.47
* 290.000	414.69	93.85	1727.56	1248.59	2.90	9.95	2.35
* 290.000	415.21	116.29	2000.34	1754.37	3.18	10.87	2.72
* 290.000	416.07	184.53	2701.69	3479.76	3.76	12.77	3.58
* 340.000	417.29	53.92	1199.32	415.75	2.54	8.09	1.47
* 340.000	418.08	93.89	1731.41	1244.70	2.91	9.98	2.35
* 340.000	418.42	116.21	1993.76	1761.03	3.16	10.81	2.71
* 340.000	419.26	184.57	2705.30	3476.13	3.76	12.80	3.59
* 385.000	419.56	1.98	1561.08	105.93	1.48	9.94	5.14
* 385.000	421.07	21.64	2764.39	283.96	2.54	11.89	3.72
* 385.000	421.81	48.24	3413.91	408.86	2.77	12.68	6.04
* 385.000	424.37	232.37	4585.10	1548.53	2.77	11.54	2.51
400.000	419.56	1.98	1561.08	105.93	1.48	9.94	5.14
400.000	421.75	36.96	2711.44	321.59	2.22	10.16	3.24
* 400.000	421.96	53.60	3397.98	419.42	2.69	12.26	5.91
400.000	424.53	239.96	4474.40	1651.64	2.66	11.03	2.42

SECNO	CWSEL	WLOB	UCH	OROH	VLOB	VCD	VROH
440.000	421.49	1.06	1571.48	96.46	0.32	3.79	1.05
440.000	423.47	27.01	2728.08	314.91	0.77	5.06	1.01
440.000	424.51	60.89	3110.03	700.08	0.90	5.12	1.00
440.000	426.04	167.16	4333.18	1865.66	1.30	6.22	1.37
500.000	421.61	1.12	1570.96	96.92	0.32	3.70	1.05
500.000	423.63	28.06	2716.84	325.10	0.77	5.02	0.99
500.000	424.74	61.93	3095.62	713.45	0.89	5.67	0.99
500.000	426.21	171.08	4291.50	1903.42	1.29	6.12	1.56
1000.000	421.91	17.74	1607.19	44.06	0.21	0.64	0.22
1000.000	424.10	46.28	2913.60	110.12	0.30	0.88	0.32
1000.000	425.18	66.11	3651.06	153.83	0.34	0.98	0.36
1000.000	426.78	126.55	5954.34	285.13	0.47	1.38	0.51
1520.000	421.94	24.49	1598.55	45.48	0.26	0.84	0.28
1520.000	424.14	70.04	2888.29	111.67	0.35	1.14	0.43
1520.000	425.22	104.49	3812.92	153.59	0.39	1.28	0.49
1520.000	426.84	212.15	5875.24	278.62	0.55	1.79	0.70
2820.000	422.03	124.95	1529.25	14.80	1.29	5.11	0.94
2820.000	424.13	409.62	2591.97	68.20	1.97	6.55	1.44
2820.000	425.25	606.89	3150.45	113.67	2.23	7.10	1.64
2820.000	426.02	1185.22	4925.84	254.94	3.12	9.58	2.53
3900.000	425.85	318.33	1194.02	42.65	1.27	4.84	1.09
3900.000	428.10	923.47	1807.19	134.34	1.71	5.43	1.36
3900.000	429.15	1296.68	2119.59	198.73	1.86	5.70	1.47
3900.000	431.69	2540.97	2984.99	428.04	2.22	6.57	1.72
3980.000	425.98	0.00	1555.00	0.00	0.00	6.23	0.00
3980.000	427.82	0.00	2865.00	0.00	0.00	8.96	0.00
3980.000	428.59	0.00	3615.00	0.00	0.00	10.36	0.00
3980.000	429.98	0.00	5954.00	0.00	0.00	14.89	0.00
4045.000	426.41	0.00	1555.00	0.00	0.00	6.16	0.00
4045.000	428.49	0.00	2865.00	0.00	0.00	8.95	0.00
4045.000	429.45	0.00	3615.00	0.00	0.00	10.35	0.00
4045.000	431.55	0.00	5954.00	0.00	0.00	14.62	0.00
4100.000	427.10	678.10	835.24	41.67	0.97	3.17	0.77
4100.000	429.69	1628.89	1123.31	112.79	1.02	3.04	0.80
4100.000	431.31	2213.62	1249.49	158.89	1.01	2.94	0.80
4100.000	435.22	4085.42	1549.12	319.45	0.98	2.71	0.77
4180.000	427.20	634.92	881.96	38.12	1.06	3.56	0.84
4180.000	429.94	1583.04	1173.91	104.05	1.11	3.33	0.87
4180.000	431.35	2168.04	1293.09	153.87	1.09	3.19	0.86
4180.000	435.24	4047.32	1593.42	313.26	1.04	2.88	0.81
5500.000	430.11	464.75	911.59	26.66	1.16	4.26	0.95
5500.000	431.80	1194.36	1321.49	75.15	1.47	4.74	1.17
5500.000	432.79	1878.12	1484.33	110.56	1.52	4.69	1.20
5500.000	436.00	3561.06	1797.38	243.55	1.42	4.11	1.12

SECNO	CWSEL	DLUB	RCH	QRUB	VLOB	VCH	VRUB
6630.000	433.41	393.17	961.75	48.08	1.30	4.16	1.09
6630.000	435.04	919.45	1552.86	118.69	1.80	5.24	1.43
6630.000	435.75	1238.30	1869.46	165.24	2.02	5.76	1.60
6630.000	437.81	2313.49	2749.08	339.43	2.45	6.75	1.92
7000.000	434.43	395.26	959.40	48.34	1.29	4.13	1.00
7000.000	436.18	932.94	1536.82	121.24	1.74	5.09	1.40
7000.000	436.96	1250.61	1844.76	169.64	1.95	5.53	1.54
7000.000	439.06	2337.68	2717.87	346.45	2.30	6.52	1.86
7115.000	434.78	0.00	1403.00	0.00	0.00	6.22	0.00
7115.000	436.46	0.00	2591.00	0.00	0.00	8.95	0.00
7115.000	437.18	0.00	3273.00	0.00	0.00	10.33	0.00
7115.000	438.98	0.00	5402.00	0.00	0.00	14.02	0.00
7270.000	435.87	0.00	1403.00	0.00	0.00	5.65	0.00
7270.000	438.36	0.00	2591.00	0.00	0.00	8.06	0.00
7270.000	439.65	0.00	3273.00	0.00	0.00	9.10	0.00
7270.000	443.25	0.00	5402.00	0.00	0.00	11.95	0.00
7300.000	436.21	39.70	1309.08	54.22	1.34	5.24	1.60
7300.000	439.17	128.03	2320.49	142.48	1.73	6.40	1.94
7300.000	440.81	197.90	2855.96	219.13	1.85	6.73	2.15
7300.000	445.72	493.94	4393.68	514.36	2.04	7.19	2.36
7380.000	436.80	286.14	730.37	386.49	1.10	4.19	1.40
7380.000	440.01	793.95	988.86	808.16	1.26	5.96	1.44
7380.000	441.71	1114.95	1105.53	1052.54	1.27	5.85	1.44
7380.000	446.66	2166.26	1431.26	1604.46	1.28	5.36	1.40
7870.000	438.03	237.61	601.16	364.23	1.33	5.27	1.76
7870.000	440.72	682.65	1136.05	772.31	1.54	5.31	1.65
7870.000	442.24	1005.52	1245.79	1021.69	1.54	5.00	1.51
7870.000	446.95	2063.33	1551.34	1707.34	1.53	4.34	1.69
8500.000	440.59	224.47	820.85	357.69	1.40	5.60	1.67
8500.000	442.60	554.72	1255.11	741.18	1.74	6.51	2.13
8500.000	443.67	879.86	1411.64	981.50	1.90	6.44	2.25
8500.000	447.61	1916.34	1729.44	1756.13	1.92	5.62	2.14
9000.000	442.82	226.65	818.86	353.49	1.39	5.56	1.66
9000.000	444.74	584.35	1262.60	739.84	1.76	6.00	2.01
9000.000	445.57	845.16	1456.08	969.75	1.98	6.93	2.30
9000.000	448.59	1809.04	1863.97	1728.99	2.22	6.56	2.44
9840.000	447.00	38.70	1222.62	69.66	1.17	5.23	1.60
9840.000	448.52	174.24	1981.76	306.00	1.73	7.68	1.85
9840.000	449.70	272.56	2362.73	475.71	1.97	8.35	2.06
9840.000	451.55	624.17	3349.77	1106.06	2.71	9.79	2.86
10000.000	448.08	0.00	1331.00	0.00	0.00	7.62	0.00
10000.000	450.09	0.00	2462.00	0.00	0.00	10.95	0.00
10000.000	450.88	0.00	3111.00	0.00	0.00	12.71	0.00
10000.000	452.47	0.00	5140.00	0.00	0.00	18.07	0.00

SECNO	CNSEL	QLOB	WCH	WRDB	VLOB	VCH	VROB
10040.000	448.28	0.00	1331.00	0.00	0.00	7.61	0.00
10040.000	450.64	0.00	2462.00	0.00	0.00	10.48	0.00
* 10040.000	451.70	0.00	3111.00	0.00	0.00	11.06	0.00
* 10040.000	457.36	1207.08	2021.30	1031.62	1.58	5.03	1.60
10100.000	449.49	81.45	1105.90	141.65	0.99	4.55	1.06
10100.000	453.15	358.13	1520.47	583.41	1.21	4.21	1.20
10100.000	454.99	550.83	1661.05	899.12	1.20	3.95	1.25
10100.000	457.43	1077.16	2334.95	1727.89	1.48	4.69	1.55
10380.000	450.20	76.72	1115.35	138.95	1.00	4.62	1.08
10380.000	453.52	336.49	1560.05	545.45	1.27	4.55	1.25
10380.000	455.25	524.58	1728.79	857.63	1.29	4.29	1.31
10380.000	457.72	1046.23	2408.06	1685.71	1.57	4.99	1.63
10470.000	450.39	0.00	1531.00	0.00	0.00	8.59	0.00
10470.000	453.35	0.00	2462.00	0.00	0.00	11.17	0.00
10470.000	454.86	0.00	3111.00	0.00	0.00	12.32	0.00
10470.000	456.62	0.00	5140.00	0.00	0.00	17.75	0.00
10505.000	450.94	0.00	1331.00	0.00	0.00	7.93	0.00
10505.000	454.18	0.00	2462.00	0.00	0.00	10.44	0.00
10505.000	455.75	0.00	3111.00	0.00	0.00	11.62	0.00
10505.000	458.46	0.00	5140.00	0.00	0.00	16.83	0.00
10600.000	452.47	634.99	599.52	96.48	0.73	2.41	0.82
10600.000	456.75	1495.07	775.65	191.29	0.78	2.10	0.73
10600.000	459.01	1981.52	877.09	252.60	0.79	2.03	0.71
10600.000	465.06	3472.89	1194.19	472.93	0.82	1.98	0.69
10920.000	452.70	506.89	729.49	94.62	0.92	3.46	1.15
10920.000	456.84	1421.74	850.16	186.10	0.92	2.61	0.91
10920.000	459.08	1923.78	942.10	245.12	0.91	2.42	0.84
10920.000	465.10	3440.13	1244.22	455.65	0.91	2.23	0.77
11300.000	455.42	339.78	900.81	90.42	1.16	3.06	1.60
11300.000	457.06	1297.04	983.82	181.14	1.15	3.52	1.21
11300.000	459.22	1829.82	1044.02	237.16	1.10	3.07	1.07
11300.000	465.17	3386.24	1313.97	439.79	1.04	2.59	0.90
12000.000	456.87	665.86	659.04	8.10	1.44	5.50	0.57
12000.000	458.52	1528.65	827.74	105.61	1.44	5.51	1.10
12000.000	459.91	2058.57	782.71	269.73	1.61	4.26	1.03
12000.000	465.48	3306.55	756.08	1077.37	1.13	2.93	0.86
12630.000	460.02	735.91	575.17	19.92	1.51	4.45	0.61
12630.000	461.15	1542.86	804.35	114.80	1.76	5.26	1.07
12630.000	461.71	2007.39	910.10	193.51	1.97	5.53	1.23
12630.000	465.76	3380.26	898.66	861.08	1.53	3.60	1.12
13260.000	462.57	716.26	599.61	15.13	1.57	4.75	0.58
13260.000	463.83	1540.40	808.46	113.14	1.79	5.30	1.08
13260.000	464.39	2005.84	913.27	191.69	1.98	5.50	1.23
13260.000	466.68	3421.53	1077.25	641.22	2.05	5.07	1.40



SECNO	CWSEL	NLOB	NCH	OROB	VLOB	VCH	VROB
14870.000	466.90	641.08	302.98	247.93	1.16	2.99	0.95
14870.000	468.34	1195.87	466.85	548.28	1.81	3.67	1.29
14870.000	469.00	1511.24	554.71	731.05	1.67	3.99	1.43
14870.000	470.53	2464.13	811.92	1356.94	2.10	4.87	1.78
15000.000	467.13	639.75	311.93	240.32	1.22	3.18	0.99
15000.000	468.59	1195.90	474.59	540.51	1.56	3.62	1.33
15000.000	469.26	1511.76	561.94	723.31	1.72	4.12	1.47
15000.000	470.83	2467.85	817.98	1347.17	2.14	4.96	1.81
15155.000	467.42	0.00	1192.00	0.00	0.00	3.75	0.00
15155.000	468.85	0.00	2211.00	0.00	0.00	5.29	0.00
15155.000	469.49	0.00	2797.00	0.00	0.00	6.04	0.00
15155.000	471.10	1713.49	2156.43	763.08	1.59	3.74	1.31
15185.000	467.43	0.00	1192.00	0.00	0.00	3.91	0.00
15185.000	468.88	0.00	2211.00	0.00	0.00	5.44	0.00
15185.000	470.40	0.00	2148.53	656.47	0.00	4.16	1.43
15185.000	472.32	1723.82	2069.87	839.30	1.35	3.20	1.16
15250.000	467.82	701.99	408.33	81.68	1.27	4.17	1.36
15250.000	469.57	1529.83	522.78	158.39	1.45	4.15	1.45
15250.000	470.70	2032.71	560.01	204.28	1.43	3.89	1.39
15250.000	472.40	3525.05	762.69	345.26	1.74	4.46	1.62
15360.000	468.16	716.65	393.25	82.10	1.21	3.92	1.29
15360.000	469.82	1533.76	518.70	158.54	1.43	4.09	1.43
15360.000	470.89	2031.51	561.24	204.25	1.43	3.90	1.39
15360.000	472.59	3524.61	763.16	345.23	1.74	4.46	1.62
17450.000	472.11	63.47	382.31	746.22	0.82	3.04	0.83
17450.000	473.41	139.87	510.39	1560.74	1.01	3.42	1.06
17450.000	474.03	186.07	570.90	2040.03	1.10	3.56	1.16
17450.000	475.71	339.38	738.27	3555.35	1.29	3.87	1.39
18330.000	474.22	185.46	729.32	277.22	1.79	6.66	1.65
18330.000	475.54	443.74	1044.26	723.01	2.48	7.84	2.32
18330.000	476.13	598.10	1203.61	999.29	2.75	8.31	2.59
18330.000	477.67	1102.81	1633.51	1896.67	3.32	9.51	3.18
19500.000	478.52	48.34	372.94	566.72	0.85	3.19	0.81
19500.000	479.77	109.79	479.99	1251.22	0.98	3.44	1.02
19500.000	480.35	148.22	533.09	1651.69	1.06	3.55	1.11
19500.000	481.85	273.55	682.22	2923.23	1.24	3.85	1.33
20000.000	479.67	68.86	690.07	229.06	0.91	3.22	1.71
20000.000	480.86	477.02	941.07	422.91	1.15	3.93	2.10
20000.000	481.40	785.43	1033.41	514.16	1.35	4.06	2.19
20000.000	482.83	1827.93	1270.72	780.34	1.76	6.30	2.36
20145.000	480.35	0.00	988.00	0.00	0.00	5.01	0.00
20145.000	481.58	0.00	1841.00	0.00	0.00	7.67	0.00
20145.000	482.06	773.76	1089.29	469.95	1.07	4.24	1.63
20145.000	483.38	1658.06	1485.62	735.32	1.46	4.90	1.92

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VRQB
20175.000	480.35	109.19	658.73	220.09	0.91	3.34	1.23
20175.000	482.80	720.35	763.38	357.27	0.76	2.70	1.05
20175.000	483.23	977.23	911.04	444.73	0.90	3.06	1.19
20175.000	484.22	1616.52	1346.78	715.70	1.29	4.05	1.59
20250.000	480.76	44.94	740.53	202.53	0.97	5.50	1.72
20250.000	482.86	614.98	632.81	393.21	1.03	4.64	1.65
20250.000	483.31	898.58	949.95	484.51	1.21	5.02	1.81
20250.000	484.34	1827.59	1288.09	763.33	1.70	6.08	2.25
20480.000	481.49	353.72	443.66	210.61	0.55	2.46	0.88
20480.000	483.27	904.15	579.39	357.47	0.76	2.65	0.99
20480.000	483.76	1207.58	680.50	444.92	0.90	2.96	1.11
20480.000	484.93	2194.50	969.48	714.96	1.25	3.79	1.45
21000.000	482.01	39.04	528.39	152.57	0.67	3.87	1.22
21000.000	483.72	409.22	650.27	293.51	0.78	3.73	1.31
21000.000	484.27	638.13	721.02	359.85	0.91	3.87	1.39
21000.000	485.61	1386.89	928.07	562.04	1.22	4.30	1.60
21760.000	484.24	149.10	359.94	210.95	1.06	3.86	0.84
21760.000	485.38	313.22	459.84	579.93	1.25	4.08	1.12
21760.000	485.89	411.89	510.69	796.42	1.36	4.21	1.24
21760.000	487.20	726.25	657.73	1493.02	1.61	4.56	1.52
22990.000	488.88	44.27	375.91	299.82	1.14	4.34	1.06
22990.000	489.79	99.41	512.14	741.45	1.50	5.02	1.49
22990.000	490.22	132.45	576.06	1010.47	1.64	5.27	1.67
22990.000	491.35	250.46	750.16	1876.30	1.98	5.83	2.10
24800.000	496.66	299.31	409.54	11.15	1.07	4.04	0.68
24800.000	497.82	732.96	574.71	45.32	1.49	4.62	0.96
24800.000	498.33	986.17	661.36	71.47	1.67	4.91	1.08
24800.000	499.23	1784.96	910.80	176.25	2.12	5.67	1.38
24890.000	496.97	332.84	366.98	20.10	1.06	4.56	0.75
24890.000	498.13	780.08	507.14	65.78	1.47	5.25	1.06
24890.000	498.65	1039.93	578.64	100.43	1.64	5.57	1.21
24890.000	499.97	1862.94	782.13	231.94	2.07	6.39	1.54
24905.000	499.15	411.61	274.43	33.45	0.80	2.87	0.57
24905.000	499.00	833.17	434.85	85.17	1.22	4.04	0.90
24905.000	499.37	1080.78	519.24	118.98	1.43	4.61	1.06
24905.000	500.42	1883.60	746.05	247.35	1.94	5.86	1.43
24915.000	498.17	387.83	306.53	23.64	0.80	2.50	0.51
24915.000	499.04	795.70	494.81	62.44	1.23	3.52	0.79
24915.000	499.41	1036.42	543.42	89.16	1.44	4.01	0.93
24915.000	500.47	1820.30	861.97	194.65	1.95	5.09	1.27
24980.000	498.25	259.98	298.76	11.27	0.79	2.79	0.50
24980.000	499.16	586.82	454.44	36.73	1.18	3.63	0.76
24980.000	499.56	761.53	536.15	55.32	1.36	4.03	0.88
24980.000	500.68	1420.70	756.50	132.80	1.79	4.87	1.16

SECNO	CWSEL	QLOB	QCH	OROB	VLOB	VCH	VROB
25045.000	498.33	179.58	385.85	4.57	0.97	4.25	0.59
25045.000	499.30	911.97	542.17	23.87	1.43	4.93	0.91
25045.000	499.72	710.74	622.79	39.47	1.63	5.26	1.04
25045.000	500.88	1363.59	837.92	108.49	2.08	5.92	1.34
25110.000	498.60	89.65	479.52	0.85	1.08	6.14	0.55
25110.000	499.61	421.52	642.16	14.32	1.67	6.53	1.05
25110.000	500.05	628.26	717.35	27.38	1.89	6.70	1.20
25110.000	501.22	1297.00	924.77	88.22	2.37	7.09	1.52
25175.000	499.42	78.30	491.14	0.56	1.08	6.42	0.52
25175.000	500.29	377.69	689.29	11.03	1.76	7.33	1.09
25175.000	500.67	577.91	773.15	21.94	2.03	7.58	1.28
25175.000	501.71	1242.94	991.49	75.57	2.58	8.04	1.65
25310.000	501.44	86.19	473.61	10.19	1.25	7.03	0.97
25310.000	502.29	343.82	674.96	59.22	2.16	8.13	1.52
25310.000	502.65	495.56	780.35	47.09	2.52	8.74	1.75
25310.000	503.54	987.93	1068.60	253.47	3.37	10.16	2.29
25600.000	505.89	120.36	433.71	15.93	1.27	6.03	0.94
25600.000	506.61	585.08	618.39	74.53	2.00	6.96	1.34
25600.000	507.05	545.32	705.73	121.95	2.27	7.31	1.56
25600.000	508.14	1045.68	953.21	311.11	2.89	8.22	1.96
25890.000	509.47	92.44	466.43	11.13	1.26	6.84	0.97
25890.000	510.39	355.96	658.70	63.34	2.12	7.79	1.48
25890.000	510.78	513.61	754.12	105.27	2.44	8.23	1.68
25890.000	511.61	1017.67	1012.20	280.13	3.14	9.19	2.13
26200.000	514.19	46.34	499.03	24.62	1.17	6.87	1.52
26200.000	515.21	225.59	768.26	84.14	2.23	8.45	2.30
26200.000	515.66	344.63	904.10	124.19	2.64	9.13	2.60
26200.000	516.76	746.89	1296.59	266.52	3.61	10.91	3.33
26800.000	522.52	77.53	479.54	12.93	1.79	6.75	1.43
26800.000	523.94	249.49	777.63	50.88	2.62	8.16	2.01
26800.000	524.58	359.56	933.99	79.44	2.94	8.80	2.25
26800.000	526.21	737.04	1380.78	192.19	3.64	10.52	2.81

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSBL	CRWS	EG	10A*9	VLM	AKEA	•UIK
99850.000	0.00	0.00	0.00	384.70	5354.00	395.33	0.00	395.79	47.96	5.47	988.46	773.09
99850.000	0.00	0.00	0.00	384.70	6755.00	396.14	0.00	395.70	46.95	6.03	1142.82	959.05
99850.000	0.00	0.00	0.00	384.70	7556.00	396.51	0.00	397.14	50.89	6.36	1215.68	1059.22
99850.000	0.00	0.00	0.00	384.70	10851.00	397.74	0.00	398.53	51.68	7.16	1469.14	1398.12
0.000	260.00	0.00	0.00	385.00	1669.00	396.01	0.00	396.02	1.09	1.22	3386.27	1597.09
0.000	260.00	0.00	0.00	385.00	3070.00	396.96	0.00	396.98	2.29	1.87	4035.05	2027.09
0.000	260.00	0.00	0.00	385.00	3871.00	397.42	0.00	397.45	2.95	2.18	4397.64	2253.31
0.000	260.00	0.00	0.00	385.00	6366.00	398.64	0.00	398.66	4.40	2.87	5387.53	3035.86
50.000	50.00	0.00	0.00	389.10	1669.00	395.92	0.00	396.03	21.19	3.01	1079.09	562.59
50.000	50.00	0.00	0.00	389.10	3070.00	396.84	0.00	397.01	31.32	3.08	1500.13	548.56
50.000	50.00	0.00	0.00	389.10	3871.00	397.28	0.00	397.44	34.93	3.54	1722.88	654.45
50.000	50.00	0.00	0.00	389.10	6366.00	398.71	0.00	398.93	35.39	6.30	2505.37	1070.17
100.000	50.00	0.00	0.00	393.20	1669.00	398.05	398.45	399.13	131.08	7.82	474.60	145.77
100.000	50.00	0.00	0.00	393.20	3070.00	399.26	399.26	400.09	161.09	9.63	765.13	241.92
100.000	50.00	0.00	0.00	393.20	3871.00	399.61	399.61	400.52	172.92	10.41	904.44	294.57
100.000	50.00	0.00	0.00	393.20	6366.00	400.40	400.40	401.56	207.92	12.46	1263.76	441.49
150.000	50.00	0.00	0.00	397.30	1669.00	402.66	402.66	403.24	149.28	8.24	443.41	136.60
150.000	50.00	0.00	0.00	397.30	3070.00	403.24	403.24	404.19	185.33	10.18	718.96	225.51
150.000	50.00	0.00	0.00	397.30	3871.00	403.66	403.66	404.61	181.99	10.62	886.94	286.94
150.000	50.00	0.00	0.00	397.30	6366.00	404.42	404.42	405.66	230.68	12.98	1212.50	419.14
200.000	50.00	0.00	0.00	401.40	1669.00	406.61	406.61	407.33	139.36	8.02	459.72	141.17
200.000	50.00	0.00	0.00	401.40	3070.00	407.40	407.40	408.29	171.60	9.88	743.49	234.38
200.000	50.00	0.00	0.00	401.40	3871.00	407.69	407.69	408.72	197.44	10.97	856.56	275.09
200.000	50.00	0.00	0.00	401.40	6366.00	408.50	408.50	409.76	218.57	12.71	1236.87	430.60
250.000	50.00	0.00	0.00	405.50	1669.00	410.69	410.69	411.43	143.85	8.12	452.18	139.15
250.000	50.00	0.00	0.00	405.50	3070.00	411.47	411.47	412.39	177.97	10.02	732.06	230.12
250.000	50.00	0.00	0.00	405.50	3871.00	411.83	411.83	412.81	188.31	10.76	874.10	282.09
250.000	50.00	0.00	0.00	405.50	6366.00	412.66	412.66	413.86	224.08	12.83	1226.63	425.27
290.000	40.00	0.00	0.00	408.90	1669.00	414.10	414.10	414.83	141.61	8.07	455.93	140.25
290.000	40.00	0.00	0.00	408.90	3070.00	414.89	414.89	415.79	174.64	9.45	738.22	232.31
290.000	40.00	0.00	0.00	408.90	3871.00	415.21	415.21	416.21	193.11	10.87	864.73	278.56
290.000	40.00	0.00	0.00	408.90	6366.00	416.07	416.07	417.26	221.35	12.77	1232.66	427.89
340.000	50.00	0.00	0.00	412.10	1669.00	417.29	417.29	418.03	142.68	8.09	454.12	139.72
340.000	50.00	0.00	0.00	412.10	3070.00	418.08	418.08	418.99	176.24	9.48	735.15	231.22
340.000	50.00	0.00	0.00	412.10	3871.00	418.42	418.42	419.41	190.40	10.81	869.99	280.58
340.000	50.00	0.00	0.00	412.10	6366.00	419.26	419.26	420.46	222.63	12.80	1229.76	426.63
385.000	45.00	0.00	0.00	415.50	1669.00	419.56	419.56	421.01	370.18	9.94	192.09	86.75
385.000	45.00	0.00	0.00	415.50	3070.00	421.07	421.07	423.07	314.14	11.84	316.04	173.21
385.000	45.00	0.00	0.00	415.50	3871.00	421.81	421.81	424.03	293.41	12.68	387.93	225.99
385.000	45.00	0.00	0.00	415.50	6366.00	424.37	424.37	425.88	144.76	11.54	1099.10	529.11
400.000	15.00	422.30	423.50	415.50	1669.00	419.56	0.00	421.01	370.18	9.94	192.09	86.75
400.000	15.00	422.30	423.50	415.50	3070.00	421.75	0.00	423.19	190.92	10.36	382.79	222.18
400.000	15.00	422.30	423.50	415.50	3871.00	421.96	0.00	424.03	263.86	12.26	404.53	238.31
400.000	15.00	422.30	423.50	415.50	6366.00	424.53	0.00	425.88	128.67	11.03	1179.53	561.21

SERNO	XLCH	ELTRD	ELLC	ELMIN	B	CWSEL	CRINS	EG	IOK#B	VEN	AREA	.01K
440.000	40.00	0.00	0.00	412.30	1669.00	421.49	0.00	421.70	19.20	3.79	509.54	380.86
440.000	40.00	0.00	0.00	412.30	3070.00	423.47	0.00	423.83	24.38	5.08	885.16	621.81
440.000	40.00	0.00	0.00	412.30	3871.00	424.61	0.00	424.94	21.03	5.12	1377.95	844.03
440.000	40.00	0.00	0.00	412.30	6366.00	426.04	0.00	426.46	25.97	6.22	2185.07	1249.22
500.000	60.00	0.00	0.00	412.40	1669.00	421.61	0.00	421.82	18.99	3.78	511.75	381.03
500.000	60.00	0.00	0.00	412.40	3070.00	423.63	0.00	423.98	23.64	5.02	906.42	631.39
500.000	60.00	0.00	0.00	412.40	3871.00	424.74	0.00	425.06	20.53	5.07	1400.09	854.31
500.000	60.00	0.00	0.00	412.40	6366.00	426.21	0.00	426.61	24.88	6.12	2214.95	1376.37
1000.000	500.00	0.00	0.00	412.50	1669.00	421.91	0.00	421.92	0.52	0.64	2799.39	2509.46
1000.000	500.00	0.00	0.00	412.50	3070.00	424.10	0.00	424.11	0.68	0.68	3321.62	3730.94
1000.000	500.00	0.00	0.00	412.50	3871.00	425.18	0.00	425.20	0.72	0.98	4344.58	4546.31
1000.000	500.00	0.00	0.00	412.50	6366.00	426.78	0.00	426.81	1.16	1.38	5132.83	5860.32
1520.000	520.00	0.00	0.00	412.70	1669.00	421.94	0.00	421.95	0.88	0.64	2169.00	1777.32
1520.000	520.00	0.00	0.00	412.70	3070.00	424.14	0.00	424.16	1.14	1.14	2989.19	2880.09
1520.000	520.00	0.00	0.00	412.70	3871.00	425.22	0.00	425.25	1.22	1.28	3414.70	3509.06
1520.000	520.00	0.00	0.00	412.70	6366.00	426.84	0.00	426.89	1.96	1.79	4073.13	4546.29
2820.000	1300.00	0.00	0.00	413.20	1669.00	422.03	0.00	422.40	36.21	5.11	411.43	277.36
2820.000	1300.00	0.00	0.00	413.20	3070.00	424.18	0.00	424.76	40.81	6.55	651.14	480.57
2820.000	1300.00	0.00	0.00	413.20	3871.00	425.25	0.00	425.90	41.24	7.10	785.30	602.76
2820.000	1300.00	0.00	0.00	413.20	6366.00	426.82	0.00	427.95	61.57	9.58	1003.79	811.32
3900.000	1080.00	0.00	0.00	417.90	1555.00	425.85	0.00	426.14	52.61	4.84	536.43	271.46
3900.000	1080.00	0.00	0.00	417.90	2865.00	428.10	0.00	428.41	27.79	5.43	970.42	543.45
3900.000	1080.00	0.00	0.00	417.90	3615.00	429.55	0.00	429.47	26.29	5.70	1203.49	705.04
3900.000	1080.00	0.00	0.00	417.90	5954.00	431.09	0.00	432.64	24.23	6.57	1659.12	1209.59
3980.000	80.00	0.00	0.00	418.10	1555.00	425.98	0.00	426.58	68.57	6.23	249.78	149.80
3980.000	80.00	0.00	0.00	418.10	2865.00	427.82	0.00	429.07	94.61	8.96	319.87	294.55
3980.000	80.00	0.00	0.00	418.10	3615.00	428.59	0.00	430.26	114.91	10.56	349.03	337.23
3980.000	80.00	0.00	0.00	418.10	5954.00	429.98	0.00	433.39	201.59	14.80	402.22	419.35
4045.000	65.00	445.30	436.00	418.20	1555.00	428.41	0.00	427.00	66.16	6.16	252.50	186.35
4045.000	65.00	445.30	436.00	418.20	2865.00	428.49	0.00	429.73	110.19	8.95	320.12	272.94
4045.000	65.00	445.30	436.00	418.20	3615.00	429.45	0.00	431.11	151.92	10.35	349.30	293.29
4045.000	65.00	445.30	436.00	418.20	5954.00	431.55	0.00	434.87	258.85	14.62	407.19	370.07
4100.000	55.00	0.00	0.00	418.80	1555.00	427.19	0.00	427.19	12.92	3.17	1019.09	432.53
4100.000	55.00	0.00	0.00	418.80	2865.00	429.69	0.00	429.95	7.57	3.64	2110.30	1041.11
4100.000	55.00	0.00	0.00	418.80	3615.00	431.31	0.00	431.36	5.88	2.98	2618.48	1491.36
4100.000	55.00	0.00	0.00	418.80	5954.00	435.22	0.00	435.26	3.55	2.71	5136.78	3252.82
4180.000	60.00	0.00	0.00	419.30	1555.00	427.20	0.00	427.52	17.57	3.56	894.24	370.94
4180.000	80.00	0.00	0.00	419.30	2865.00	429.94	0.00	430.02	9.66	3.45	1907.08	921.75
4180.000	60.00	0.00	0.00	419.30	3615.00	431.35	0.00	431.42	7.32	3.19	2582.51	1336.59
4180.000	60.00	0.00	0.00	419.30	5954.00	435.24	0.00	435.29	3.94	2.88	4834.53	2998.57
5500.000	1320.00	0.00	0.00	423.10	1403.00	430.11	0.00	430.50	50.59	4.26	641.70	253.66
5500.000	1320.00	0.00	0.00	423.10	2591.00	431.80	0.00	432.00	26.74	4.74	1153.35	501.02
5500.000	1320.00	0.00	0.00	423.10	3273.00	432.74	0.00	432.97	22.13	4.59	1511.99	695.72
5500.000	1320.00	0.00	0.00	423.10	5402.00	436.00	0.00	436.10	10.97	4.11	3026.32	1631.19



SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRINS	EG	YOK+S	VCH	AREA	.01K
6630.000	1130.00	0.00	0.00	426.40	1403.00	433.41	0.00	433.60	27.88	4.16	474.06	265.69
6630.000	1130.00	0.00	0.00	426.40	2591.00	435.04	0.00	435.51	51.77	5.24	884.71	459.65
6630.000	1130.00	0.00	0.00	426.40	3273.00	435.75	0.00	436.07	33.84	5.76	1041.27	562.61
6630.000	1130.00	0.00	0.00	426.40	5402.00	437.61	0.00	438.22	54.37	6.75	1527.14	921.37
7000.000	370.00	0.00	0.00	427.40	1403.00	434.43	0.00	434.62	27.35	4.13	562.57	268.29
7000.000	370.00	0.00	0.00	427.40	2591.00	436.18	0.00	436.44	29.13	5.09	920.30	486.03
7000.000	370.00	0.00	0.00	427.40	3273.00	436.96	0.00	437.26	30.24	5.53	1087.85	595.22
7000.000	370.00	0.00	0.00	427.40	5402.00	439.06	0.00	439.43	31.16	6.52	1586.56	967.79
7115.000	115.00	0.00	0.00	427.40	1403.00	434.78	0.00	435.38	67.52	6.22	225.65	170.99
7115.000	115.00	0.00	0.00	427.40	2591.00	436.46	0.00	437.70	104.50	8.45	284.57	253.46
7115.000	115.00	0.00	0.00	427.40	3273.00	437.18	0.00	438.84	125.80	10.33	316.94	291.82
7115.000	115.00	0.00	0.00	427.40	5402.00	438.98	0.00	442.05	187.59	14.02	385.26	394.42
7270.000	155.00	454.90	446.10	427.90	1403.00	435.87	0.00	436.41	61.21	5.05	239.69	179.53
7270.000	155.00	454.90	446.10	427.90	2591.00	438.36	0.00	439.57	95.51	5.06	321.27	265.12
7270.000	155.00	454.90	446.10	427.90	3273.00	439.65	0.00	440.94	121.43	5.10	359.48	297.07
7270.000	155.00	454.90	446.10	427.90	5402.00	443.25	0.00	445.46	202.25	11.95	452.15	379.85
7300.000	30.00	0.00	0.00	428.20	1403.00	436.21	0.00	436.61	57.68	5.24	313.32	228.56
7300.000	30.00	0.00	0.00	428.20	2591.00	439.17	0.00	439.75	54.29	6.40	509.74	442.47
7300.000	30.00	0.00	0.00	428.20	3273.00	440.81	0.00	441.43	50.65	6.73	633.20	591.20
7300.000	30.00	0.00	0.00	428.20	5402.00	443.72	0.00	446.39	21.55	7.19	1069.18	1123.79
7380.000	80.00	0.00	0.00	428.60	1403.00	436.80	0.00	436.95	19.91	4.19	711.14	314.41
7380.000	80.00	0.00	0.00	428.60	2591.00	440.01	0.00	440.12	11.23	3.98	1436.49	773.07
7380.000	80.00	0.00	0.00	428.60	3273.00	441.71	0.00	441.81	8.61	3.85	1879.11	1115.15
7380.000	80.00	0.00	0.00	428.60	5402.00	445.68	0.00	446.75	4.73	3.56	2384.66	2403.00
7870.000	490.00	0.00	0.00	430.80	1403.00	438.03	0.00	438.29	57.76	5.27	537.35	228.51
7870.000	490.00	0.00	0.00	430.80	2591.00	440.72	0.00	440.94	24.36	5.31	1079.50	525.02
7870.000	490.00	0.00	0.00	430.80	3273.00	442.24	0.00	442.42	17.65	5.00	1444.75	779.13
7870.000	490.00	0.00	0.00	430.80	5402.00	445.95	0.00	447.07	8.21	4.54	2762.02	1834.96
8500.000	630.00	0.00	0.00	433.60	1403.00	440.59	0.00	440.89	44.90	5.80	497.76	209.58
8500.000	630.00	0.00	0.00	433.60	2591.00	442.60	0.00	442.95	42.00	6.51	875.18	399.81
8500.000	630.00	0.00	0.00	433.60	3273.00	443.67	0.00	443.99	35.56	6.49	1115.66	548.83
8500.000	630.00	0.00	0.00	433.60	5402.00	447.61	0.00	447.81	16.75	5.62	2126.06	1319.85
9000.000	500.00	0.00	0.00	435.80	1403.00	442.82	0.00	443.12	43.97	5.56	502.38	211.57
9000.000	500.00	0.00	0.00	435.80	2591.00	444.74	0.00	445.10	43.68	6.60	860.54	392.04
9000.000	500.00	0.00	0.00	435.80	3273.00	445.57	0.00	445.95	42.31	6.43	1045.93	503.19
9000.000	500.00	0.00	0.00	435.80	5402.00	448.59	0.00	448.88	26.76	6.66	1790.74	1044.18
9840.000	840.00	0.00	0.00	439.50	1331.00	447.00	0.00	447.55	62.83	6.23	283.94	167.92
9840.000	840.00	0.00	0.00	439.50	2462.00	448.92	0.00	449.67	66.58	7.68	523.91	301.72
9840.000	840.00	0.00	0.00	439.50	3111.00	449.76	0.00	450.54	64.46	7.55	649.57	373.27
9840.000	840.00	0.00	0.00	439.50	5140.00	451.55	0.00	452.56	74.20	9.79	1009.91	596.72
10000.000	160.00	0.00	0.00	440.30	1331.00	448.64	0.00	448.98	88.74	7.62	174.77	141.29
10000.000	160.00	0.00	0.00	440.30	2462.00	450.69	0.00	451.95	141.28	10.95	224.91	207.13
10000.000	160.00	0.00	0.00	440.30	3111.00	450.86	0.00	453.39	175.44	12.71	244.70	234.87
10000.000	160.00	0.00	0.00	440.30	5140.00	452.47	0.00	457.54	307.41	18.07	284.51	293.16



SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10KAS	VCH	AREA	.01K
10040.000	40.00	455.10	453.00	440.50	1331.00	448.28	0.00	449.18	88.65	7.61	174.83	141.37
10040.000	40.00	455.10	453.00	440.50	2462.00	450.69	0.00	452.39	123.97	10.48	234.97	221.12
10040.000	40.00	455.10	453.00	440.50	3111.00	451.78	0.00	453.87	142.85	11.86	262.32	260.29
10040.000	40.00	455.10	453.00	440.50	5140.00	457.36	0.00	457.54	11.18	5.03	2360.07	1536.99
10100.000	60.00	0.00	0.00	440.50	1331.00	449.49	0.00	449.75	24.94	4.54	461.18	266.51
10100.000	60.00	0.00	0.00	440.50	2462.00	453.15	0.00	453.33	12.74	4.21	1145.39	889.83
10100.000	60.00	0.00	0.00	440.50	3111.00	454.99	0.00	455.13	9.20	3.95	1608.92	1025.53
10100.000	60.00	0.00	0.00	440.50	5140.00	457.43	0.00	457.60	10.29	4.69	2344.23	1602.69
10380.000	280.00	0.00	0.00	441.30	1331.00	450.20	0.00	450.48	26.33	4.02	448.40	259.37
10380.000	280.00	0.00	0.00	441.30	2462.00	453.52	0.00	453.74	15.67	4.55	1046.86	621.86
10380.000	280.00	0.00	0.00	441.30	3111.00	455.25	0.00	455.42	11.45	4.29	1465.71	919.19
10380.000	280.00	0.00	0.00	441.30	5140.00	457.72	0.00	457.93	12.21	4.99	2181.86	1471.14
10470.000	90.00	0.00	0.00	442.00	1331.00	450.39	0.00	451.48	116.73	8.59	158.69	123.20
10470.000	90.00	0.00	0.00	442.00	2462.00	453.33	0.00	455.27	152.06	11.17	220.46	199.65
10470.000	90.00	0.00	0.00	442.00	3111.00	454.86	0.00	457.21	164.42	12.32	252.56	242.62
10470.000	90.00	0.00	0.00	442.00	5140.00	456.62	0.00	461.51	304.81	17.75	289.61	294.41
10505.000	35.00	474.80	464.40	442.10	1331.00	450.94	0.00	451.91	98.84	7.93	167.85	132.86
10505.000	35.00	474.80	464.40	442.10	2462.00	454.18	0.00	455.87	125.47	10.44	235.77	219.79
10505.000	35.00	474.80	464.40	442.10	3111.00	455.73	0.00	457.90	177.58	11.82	263.22	233.46
10505.000	35.00	474.80	464.40	442.10	5140.00	458.46	0.00	462.86	323.35	16.83	305.40	285.84
10600.000	95.00	0.00	0.00	442.60	1331.00	452.47	0.00	452.52	5.56	2.41	1234.80	564.53
10600.000	95.00	0.00	0.00	442.60	2462.00	456.75	0.00	456.78	2.52	2.10	2551.70	1551.99
10600.000	95.00	0.00	0.00	442.60	3111.00	459.01	0.00	459.04	1.90	2.03	3307.20	2258.66
10600.000	95.00	0.00	0.00	442.60	5140.00	465.06	0.00	465.09	1.17	1.98	5527.93	4756.86
10920.000	320.00	0.00	0.00	444.20	1331.00	452.70	0.00	452.81	14.37	3.46	843.31	351.12
10920.000	320.00	0.00	0.00	444.20	2462.00	456.84	0.00	456.89	4.57	2.61	2071.51	1151.30
10920.000	320.00	0.00	0.00	444.20	3111.00	459.08	0.00	459.12	3.10	2.42	2791.30	1766.65
10920.000	320.00	0.00	0.00	444.20	5140.00	465.10	0.00	465.13	1.63	2.23	4928.29	4027.71
11300.000	380.00	0.00	0.00	446.10	1331.00	453.42	0.00	453.70	38.59	5.06	526.22	214.27
11300.000	380.00	0.00	0.00	446.10	2462.00	457.06	0.00	457.15	10.19	3.52	1556.58	771.35
11300.000	380.00	0.00	0.00	446.10	3111.00	459.22	0.00	459.28	5.97	3.07	2222.66	1272.94
11300.000	380.00	0.00	0.00	446.10	5140.00	465.17	0.00	465.21	2.51	2.59	4245.92	3245.75
12000.000	700.00	0.00	0.00	449.70	1331.00	456.87	0.00	457.12	63.79	5.50	576.76	166.65
12000.000	700.00	0.00	0.00	449.70	2462.00	458.32	0.00	458.51	47.36	5.51	1076.91	357.74
12000.000	700.00	0.00	0.00	449.70	3111.00	459.91	0.00	460.01	21.66	5.26	1721.03	668.44
12000.000	700.00	0.00	0.00	449.70	5140.00	465.40	0.00	465.43	3.99	2.53	4492.31	2573.59
12630.000	630.00	0.00	0.00	452.40	1331.00	460.02	0.00	460.17	37.72	4.45	723.34	216.73
12630.000	630.00	0.00	0.00	452.40	2462.00	461.15	0.00	461.32	42.09	5.26	1126.59	379.51
12630.000	630.00	0.00	0.00	452.40	3111.00	461.71	0.00	461.89	42.18	5.53	1343.13	474.02
12630.000	630.00	0.00	0.00	452.40	5140.00	465.76	0.00	465.82	10.26	3.60	3222.03	1604.05
13260.000	630.00	0.00	0.00	455.10	1331.00	462.57	0.00	462.75	44.31	4.75	676.57	199.95
13260.000	630.00	0.00	0.00	455.10	2462.00	463.83	0.00	464.00	42.98	5.30	1117.56	375.52
13260.000	630.00	0.00	0.00	455.10	3111.00	464.39	0.00	464.57	42.81	5.56	1335.63	475.45
13260.000	630.00	0.00	0.00	455.10	5140.00	466.60	0.00	466.81	25.33	5.07	2341.39	1021.33

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWSEL	CWIS	EG	10K*5	VCH	AREA	.01K
14870.000	1610.00	0.00	0.00	460.00	1192.00	466.90	0.00	466.95	18.37	2.99	915.39	294.63
14870.000	1610.00	0.00	0.00	460.00	2211.00	468.34	0.00	468.41	18.16	3.67	1345.10	518.81
14870.000	1610.00	0.00	0.00	460.00	2797.00	469.00	0.00	469.08	19.03	3.99	1553.26	641.18
14870.000	1610.00	0.00	0.00	460.00	4633.00	470.53	0.00	470.65	22.33	4.87	2101.85	980.37
15000.000	130.00	0.00	0.00	460.40	1192.00	467.13	0.00	467.18	19.26	3.18	865.77	271.58
15000.000	130.00	0.00	0.00	460.40	2211.00	468.59	0.00	468.66	20.22	3.82	1296.91	491.67
15000.000	130.00	0.00	0.00	460.40	2797.00	469.26	0.00	469.34	20.81	4.12	1506.79	613.16
15000.000	130.00	0.00	0.00	460.40	4633.00	470.83	0.00	470.95	23.50	4.96	2063.94	855.78
15155.000	155.00	0.00	0.00	460.60	1192.00	467.42	0.00	467.64	31.40	3.75	317.56	212.71
15155.000	155.00	0.00	0.00	460.60	2211.00	468.85	0.00	469.28	43.49	5.29	418.21	335.27
15155.000	155.00	0.00	0.00	460.60	2797.00	469.49	0.00	470.06	49.69	6.04	463.26	396.78
15155.000	155.00	0.00	0.00	460.60	4633.00	471.10	0.00	471.22	14.01	3.74	2236.80	1237.96
15185.000	30.00	469.70	469.90	460.80	1192.00	467.43	0.00	467.67	35.83	3.91	305.17	199.13
15185.000	30.00	469.70	469.90	460.80	2211.00	468.88	0.00	469.34	47.81	5.44	406.37	319.76
15185.000	30.00	469.70	469.90	460.80	2797.00	470.40	0.00	470.61	20.88	4.18	972.93	612.04
15185.000	30.00	469.70	469.90	460.80	4633.00	472.32	0.00	472.41	8.73	3.20	2645.87	1567.78
15250.000	65.00	0.00	0.00	460.90	1192.00	467.62	0.00	467.93	32.11	4.17	710.83	210.35
15250.000	65.00	0.00	0.00	460.90	2211.00	469.57	0.00	469.66	22.77	4.15	1293.46	463.37
15250.000	65.00	0.00	0.00	460.90	2797.00	470.70	0.00	470.77	16.70	3.89	1716.74	684.37
15250.000	65.00	0.00	0.00	460.90	4633.00	472.40	0.00	472.49	17.43	4.46	2410.56	1109.72
15360.000	110.00	0.00	0.00	461.10	1192.00	468.16	0.00	468.26	27.59	3.92	754.81	224.93
15360.000	110.00	0.00	0.00	461.10	2211.00	469.82	0.00	469.90	21.97	4.09	1310.56	471.74
15360.000	110.00	0.00	0.00	461.10	2797.00	470.84	0.00	470.96	16.88	3.90	1710.55	680.87
15360.000	110.00	0.00	0.00	461.10	4633.00	472.59	0.00	472.68	17.49	4.46	2407.86	1107.94
17450.000	2090.00	0.00	0.00	464.30	1192.00	472.11	0.00	472.16	13.46	3.04	1504.57	324.85
17450.000	2090.00	0.00	0.00	464.30	2211.00	473.41	0.00	473.47	13.58	3.42	1760.12	599.95
17450.000	2090.00	0.00	0.00	464.30	2797.00	474.03	0.00	474.09	13.36	3.56	2091.73	765.31
17450.000	2090.00	0.00	0.00	464.30	4633.00	475.71	0.00	475.77	12.61	3.87	3017.81	1304.70
18330.000	880.00	0.00	0.00	467.30	1192.00	474.22	0.00	474.66	79.22	6.66	381.69	133.92
18330.000	880.00	0.00	0.00	467.30	2211.00	475.54	0.00	476.04	84.58	7.84	623.85	240.40
18330.000	880.00	0.00	0.00	467.30	2797.00	476.13	0.00	476.66	87.05	8.37	744.97	249.78
18330.000	880.00	0.00	0.00	467.30	4633.00	477.67	0.00	478.27	88.97	9.52	1099.68	491.19
19500.000	1170.00	0.00	0.00	471.20	988.00	478.52	0.00	478.58	16.38	3.19	873.51	244.12
19500.000	1170.00	0.00	0.00	471.20	1841.00	479.77	0.00	479.83	15.03	3.44	1480.38	474.94
19500.000	1170.00	0.00	0.00	471.20	2333.00	480.35	0.00	480.41	14.54	3.55	1785.21	611.89
19500.000	1170.00	0.00	0.00	471.20	3879.00	481.85	0.00	481.91	13.74	3.85	2546.78	1046.36
20000.000	500.00	0.00	0.00	472.90	984.00	479.67	0.00	479.98	49.61	5.22	341.80	140.27
20000.000	500.00	0.00	0.00	472.90	1841.00	480.66	0.00	481.16	50.40	5.93	773.59	259.31
20000.000	500.00	0.00	0.00	472.90	2333.00	481.40	0.00	481.68	47.82	6.06	986.22	337.36
20000.000	500.00	0.00	0.00	472.90	3879.00	482.83	0.00	483.07	41.27	6.30	1570.43	603.81
20145.000	145.00	0.00	0.00	473.40	988.00	480.35	0.00	480.74	49.01	5.01	197.13	141.14
20145.000	145.00	0.00	0.00	473.40	1841.00	481.58	0.00	482.49	91.71	7.67	240.17	192.24
20145.000	145.00	0.00	0.00	473.40	2333.00	482.06	0.00	482.20	22.78	4.24	1266.33	488.82
20145.000	145.00	0.00	0.00	473.40	3879.00	483.36	0.00	483.55	24.33	4.90	1826.02	786.48

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWSEL	CRINS	EG	10X*8	VCH	AREA	.01K
20175.000	30.00	482.90	480.50	473.40	988.00	480.35	0.00	480.74	20.10	3.34	591.03	220.40
20175.000	30.00	482.90	480.50	473.40	1841.00	482.80	0.00	482.85	8.11	2.70	1576.30	646.61
20175.000	30.00	482.90	480.50	473.40	2333.00	483.20	0.00	483.30	9.70	3.06	1761.22	749.16
20175.000	30.00	482.90	480.50	473.40	3879.00	484.22	0.00	484.33	14.70	4.05	2192.93	1011.67
20250.000	75.00	0.00	0.00	472.80	988.00	480.76	0.00	481.13	27.22	5.50	297.70	130.62
20250.000	75.00	0.00	0.00	472.80	1841.00	482.86	0.00	483.02	26.85	4.64	1015.03	355.27
20250.000	75.00	0.00	0.00	472.80	2333.00	483.31	0.00	483.40	29.23	5.02	1196.41	431.54
20250.000	75.00	0.00	0.00	472.80	3879.00	484.34	0.00	484.57	36.82	6.08	1626.79	639.25
20480.000	230.00	0.00	0.00	471.40	988.00	481.49	0.00	481.53	7.53	2.46	1027.04	360.09
20480.000	230.00	0.00	0.00	471.40	1841.00	483.27	0.00	483.31	6.66	2.65	1763.37	712.17
20480.000	230.00	0.00	0.00	471.40	2333.00	483.76	0.00	483.81	7.84	2.96	1978.90	833.17
20480.000	230.00	0.00	0.00	471.40	3879.00	484.93	0.00	485.01	11.15	3.79	2503.32	1161.82
21000.000	520.00	0.00	0.00	473.90	720.00	482.01	0.00	482.18	26.89	3.87	320.14	138.84
21000.000	520.00	0.00	0.00	473.90	1353.00	483.72	0.00	483.83	18.08	3.73	919.65	318.21
21000.000	520.00	0.00	0.00	473.90	1719.00	484.27	0.00	484.38	17.72	3.87	1143.00	408.53
21000.000	520.00	0.00	0.00	473.90	2877.00	485.61	0.00	485.72	18.04	4.30	1699.08	677.45
21760.000	760.00	0.00	0.00	477.80	720.00	484.24	0.00	484.36	30.50	3.66	404.57	130.30
21760.000	760.00	0.00	0.00	477.80	1353.00	485.38	0.00	485.48	26.63	4.08	879.96	262.18
21760.000	760.00	0.00	0.00	477.80	1719.00	485.89	0.00	485.99	25.67	4.21	1068.07	339.30
21760.000	760.00	0.00	0.00	477.80	2877.00	487.20	0.00	487.50	24.26	4.58	1575.99	584.09
22990.000	1230.00	0.00	0.00	483.00	720.00	488.88	0.00	489.04	48.52	4.34	406.97	103.36
22990.000	1230.00	0.00	0.00	483.00	1353.00	489.79	0.00	489.96	52.25	5.02	666.86	187.18
22990.000	1230.00	0.00	0.00	483.00	1719.00	490.22	0.00	490.39	52.65	5.27	794.64	236.90
22990.000	1230.00	0.00	0.00	483.00	2877.00	491.35	0.00	491.54	51.89	5.83	1150.29	399.39
24800.000	1810.00	0.00	0.00	490.80	720.00	496.66	0.00	496.81	38.23	4.04	397.19	116.44
24800.000	1810.00	0.00	0.00	490.80	1353.00	497.82	0.00	497.98	37.98	4.62	663.20	219.56
24800.000	1810.00	0.00	0.00	490.80	1719.00	498.33	0.00	498.50	38.58	4.91	790.04	276.75
24800.000	1810.00	0.00	0.00	490.80	2877.00	499.63	0.00	499.83	40.70	5.67	1131.74	450.74
24890.000	90.00	0.00	0.00	491.00	720.00	496.97	0.00	497.14	33.12	4.56	419.73	125.11
24890.000	90.00	0.00	0.00	491.00	1353.00	498.13	0.00	498.31	34.24	5.25	690.11	231.22
24890.000	90.00	0.00	0.00	491.00	1719.00	498.65	0.00	498.84	34.96	5.57	820.10	290.73
24890.000	90.00	0.00	0.00	491.00	2877.00	499.97	0.00	500.19	37.05	6.34	1171.42	472.63
24905.000	15.00	497.20	496.20	491.10	720.00	498.15	0.00	498.21	10.40	2.87	671.98	223.30
24905.000	15.00	497.20	496.20	491.10	1353.00	499.00	0.00	499.10	17.64	4.04	885.08	322.16
24905.000	15.00	497.20	496.20	491.10	1719.00	499.37	0.00	499.49	21.58	4.61	980.23	370.04
24905.000	15.00	497.20	496.20	491.10	2877.00	500.42	0.00	500.60	29.58	5.86	1270.89	528.97
24915.000	10.00	0.00	0.00	491.20	720.00	498.17	0.00	498.22	11.19	2.50	653.08	215.19
24915.000	10.00	0.00	0.00	491.20	1353.00	499.04	0.00	499.12	18.70	3.52	865.60	312.88
24915.000	10.00	0.00	0.00	491.20	1719.00	499.41	0.00	499.51	22.66	4.01	962.15	361.08
24915.000	10.00	0.00	0.00	491.20	2877.00	500.47	0.00	500.63	30.48	5.09	1256.77	521.13
24980.000	65.00	0.00	0.00	492.10	570.00	498.25	0.00	498.31	17.00	2.79	459.55	138.26
24980.000	65.00	0.00	0.00	492.10	1076.00	499.16	0.00	499.26	23.28	3.63	672.07	223.41
24980.000	65.00	0.00	0.00	492.10	1373.00	499.56	0.00	499.67	26.42	4.03	769.36	267.12
24980.000	65.00	0.00	0.00	492.10	2310.00	500.68	0.00	500.83	31.27	4.87	1061.88	413.08

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CASEL	CRWS	EG	10K*8	VCH	AREA	.01K
25045.000	65.00	0.00	0.00	493.00	570.00	498.33	0.00	498.53	48.91	4.25	284.49	81.51
25045.000	65.00	0.00	0.00	493.00	1078.00	499.30	0.00	499.51	50.96	4.93	494.06	151.00
25045.000	65.00	0.00	0.00	493.00	1373.00	499.72	0.00	499.94	52.61	5.26	591.40	189.29
25045.000	65.00	0.00	0.00	493.00	2310.00	500.88	0.00	501.12	52.37	5.92	878.56	319.22
25110.000	65.00	0.00	0.00	493.90	570.00	498.60	498.32	499.10	124.75	6.14	162.34	51.03
25110.000	65.00	0.00	0.00	493.90	1078.00	499.61	0.00	500.03	103.75	6.53	364.99	105.83
25110.000	65.00	0.00	0.00	493.90	1373.00	500.05	0.00	500.44	97.30	6.70	462.13	139.19
25110.000	65.00	0.00	0.00	493.90	2310.00	501.22	0.00	501.58	84.11	7.09	736.11	251.88
25175.000	65.00	0.00	0.00	494.80	570.00	499.42	499.21	499.97	139.84	6.42	150.09	48.20
25175.000	65.00	0.00	0.00	494.80	1078.00	500.29	0.00	500.84	138.67	7.33	319.04	91.54
25175.000	65.00	0.00	0.00	494.80	1373.00	500.69	0.00	501.22	133.33	7.58	404.47	118.91
25175.000	65.00	0.00	0.00	494.80	2310.00	501.77	0.00	502.25	116.09	8.04	651.21	214.39
25310.000	135.00	0.00	0.00	497.00	570.00	501.44	501.40	502.08	170.78	7.03	146.66	43.62
25310.000	135.00	0.00	0.00	497.00	1078.00	502.29	0.00	502.96	172.99	8.13	281.20	81.96
25310.000	135.00	0.00	0.00	497.00	1373.00	502.65	0.00	503.36	181.45	8.74	341.14	101.93
25310.000	135.00	0.00	0.00	497.00	2310.00	503.54	0.00	504.36	196.87	10.16	509.20	164.63
25600.000	290.00	0.00	0.00	501.00	570.00	505.69	0.00	506.12	114.91	6.03	184.01	53.17
25600.000	290.00	0.00	0.00	501.00	1078.00	506.61	0.00	507.06	116.67	6.98	334.97	99.80
25600.000	290.00	0.00	0.00	501.00	1373.00	507.05	0.00	507.51	114.32	7.31	415.08	128.41
25600.000	290.00	0.00	0.00	501.00	2310.00	508.14	0.00	508.64	112.96	8.22	656.44	217.34
25890.000	290.00	0.00	0.00	505.00	570.00	509.47	509.43	510.07	159.29	6.84	153.00	45.16
25890.000	290.00	0.00	0.00	505.00	1078.00	510.39	0.00	510.99	155.10	7.79	295.41	86.56
25890.000	290.00	0.00	0.00	505.00	1373.00	510.78	0.00	511.40	155.24	8.23	364.81	110.20
25890.000	290.00	0.00	0.00	505.00	2310.00	511.81	0.00	512.46	151.60	9.19	565.86	187.01
26200.000	310.00	0.00	0.00	509.40	570.00	514.19	0.00	514.84	147.60	6.87	128.29	46.42
26200.000	310.00	0.00	0.00	509.40	1078.00	515.21	0.00	516.02	165.69	8.45	228.72	85.75
26200.000	310.00	0.00	0.00	509.40	1373.00	515.66	0.00	516.55	172.38	9.13	277.37	104.57
26200.000	310.00	0.00	0.00	509.40	2310.00	516.76	0.00	517.88	192.80	10.91	405.75	166.36
26800.000	600.00	0.00	0.00	517.70	570.00	522.52	0.00	523.12	124.29	6.75	123.37	50.13
26800.000	600.00	0.00	0.00	517.70	1078.00	523.94	0.00	524.71	127.68	8.16	215.90	95.40
26800.000	600.00	0.00	0.00	517.70	1373.00	524.58	0.00	525.44	128.57	8.80	265.60	121.09
26800.000	600.00	0.00	0.00	517.70	2310.00	526.21	0.00	527.27	129.53	10.32	404.70	202.97



SUMMARY PRINTOUT TABLE 150

SECNO	U	CWSEL	DIFWSP	DIFWSX	DIFWNS	TOPWD	XLCH
99850.000	5354.00	395.33	0.00	0.00	-4.21	185.49	0.00
99850.000	6755.00	396.14	0.81	0.00	-4.66	192.96	0.00
99850.000	7556.00	396.51	0.37	0.00	-5.44	199.27	0.00
99850.000	10051.00	397.74	1.23	0.00	-7.26	213.54	0.00
0.000	1669.00	396.01	0.00	0.68	0.00	667.34	260.00
0.000	3070.00	396.96	0.95	0.83	0.00	694.50	260.00
0.000	3871.00	397.42	0.46	0.91	0.00	707.56	260.00
0.000	6366.00	398.88	1.42	1.11	0.00	740.88	260.00
50.000	1669.00	395.92	0.00	-0.09	0.00	433.08	50.00
50.000	3070.00	396.84	0.92	-0.13	0.00	480.25	50.00
50.000	3871.00	397.28	0.45	-0.14	0.00	512.16	50.00
50.000	6366.00	398.71	1.42	-0.14	0.00	584.61	50.00
* 100.000	1669.00	398.45	0.00	2.53	0.00	336.07	50.00
* 100.000	3070.00	399.26	0.80	2.42	0.00	386.15	50.00
* 100.000	3871.00	399.61	0.36	2.33	0.00	407.98	50.00
* 100.000	6366.00	400.44	0.83	1.73	0.00	457.16	50.00
* 150.000	1669.00	402.46	0.00	4.01	0.00	331.14	50.00
* 150.000	3070.00	403.24	0.78	3.98	0.00	378.75	50.00
* 150.000	3871.00	403.66	0.43	4.05	0.00	405.03	50.00
* 150.000	6366.00	404.42	0.76	3.99	0.00	450.61	50.00
* 200.000	1669.00	406.61	0.00	4.15	0.00	334.15	50.00
* 200.000	3070.00	407.40	0.79	4.17	0.00	382.78	50.00
* 200.000	3871.00	407.69	0.29	4.02	0.00	400.41	50.00
* 200.000	6366.00	408.58	0.89	4.16	0.00	453.99	50.00
* 250.000	1669.00	410.69	0.00	4.06	0.00	332.76	50.00
* 250.000	3070.00	411.47	0.78	4.07	0.00	380.86	50.00
* 250.000	3871.00	411.83	0.36	4.14	0.00	403.09	50.00
* 250.000	6366.00	412.66	0.82	4.07	0.00	452.42	50.00
* 290.000	1669.00	414.10	0.00	3.41	0.00	335.45	40.00
* 290.000	3070.00	414.89	0.79	3.42	0.00	381.85	40.00
* 290.000	3871.00	415.21	0.32	3.38	0.00	401.66	40.00
* 290.000	6366.00	416.07	0.86	3.41	0.00	453.20	40.00
* 340.000	1669.00	417.29	0.00	3.19	0.00	333.12	50.00
* 340.000	3070.00	418.08	0.79	3.19	0.00	381.56	50.00
* 340.000	3871.00	418.42	0.34	3.21	0.00	402.46	50.00
* 340.000	6366.00	419.26	0.84	3.19	0.00	452.82	50.00
* 385.000	1669.00	419.56	0.00	2.27	0.00	74.54	45.00
* 385.000	3070.00	421.07	1.51	2.99	0.00	91.82	45.00
* 385.000	3871.00	421.81	0.74	3.38	0.00	103.34	45.00
* 385.000	6366.00	424.37	2.56	5.10	0.00	476.09	45.00
400.000	1669.00	419.56	0.00	0.00	0.00	74.54	15.00
400.000	3070.00	421.75	2.19	0.69	0.00	102.56	15.00
400.000	3871.00	421.98	0.21	0.15	0.00	105.82	15.00
400.000	6366.00	424.53	2.57	0.16	0.00	492.49	15.00

SECNO	U	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
440.000	1669.00	421.49	0.00	1.93	0.00	102.84	40.00
440.000	3070.00	423.87	1.98	1.72	0.00	361.10	40.00
440.000	3871.00	424.51	1.13	2.65	0.00	501.44	40.00
440.000	6366.00	426.04	1.43	1.51	0.00	611.91	40.00
500.000	1669.00	421.61	0.00	0.12	0.00	103.15	60.00
500.000	3070.00	423.63	2.02	0.15	0.00	368.81	60.00
500.000	3871.00	424.74	1.11	0.13	0.00	505.87	60.00
500.000	6366.00	426.21	1.47	0.17	0.00	615.45	60.00
1000.000	1669.00	421.91	0.00	0.30	0.00	457.17	500.00
1000.000	3070.00	424.10	2.19	0.47	0.00	476.87	500.00
1000.000	3871.00	425.18	1.08	0.44	0.00	486.64	500.00
1000.000	6366.00	426.78	1.60	0.57	0.00	501.00	500.00
1520.000	1669.00	421.94	0.00	0.03	0.00	561.35	520.00
1520.000	3070.00	424.14	2.20	0.04	0.00	385.51	520.00
1520.000	3871.00	425.22	1.09	0.04	0.00	537.46	520.00
1520.000	6366.00	426.84	1.62	0.06	0.00	415.29	520.00
2820.000	1669.00	422.03	0.00	0.09	0.00	101.19	1300.00
2820.000	3070.00	424.18	2.16	0.05	0.00	121.49	1300.00
2820.000	3871.00	425.25	1.06	0.02	0.00	131.50	1300.00
2820.000	6366.00	426.82	1.57	-0.03	0.00	146.32	1300.00
3900.000	1555.00	425.85	0.00	3.83	0.00	170.33	1080.00
3900.000	2865.00	428.10	2.25	3.92	0.00	213.92	1080.00
3900.000	3615.00	429.15	1.05	5.91	0.00	234.00	1080.00
3900.000	5954.00	431.69	2.54	4.87	0.00	284.52	1080.00
3980.000	1555.00	425.98	0.00	0.13	0.00	38.00	80.00
3980.000	2865.00	427.82	1.84	-0.28	0.00	38.00	80.00
3980.000	3615.00	428.59	0.77	-0.56	0.00	38.00	80.00
3980.000	5954.00	429.98	1.39	-1.71	0.00	38.00	80.00
4045.000	1555.00	426.41	0.00	0.45	0.00	38.00	65.00
4045.000	2865.00	428.49	2.07	0.66	0.00	38.00	65.00
4045.000	3615.00	429.45	0.97	0.86	0.00	38.00	65.00
4045.000	5954.00	431.55	2.10	1.57	0.00	38.00	65.00
4100.000	1555.00	427.10	0.00	0.64	0.00	520.84	55.00
4100.000	2865.00	429.69	2.79	1.40	0.00	489.04	55.00
4100.000	3615.00	431.31	1.42	1.86	0.00	527.13	55.00
4100.000	5954.00	435.22	3.91	3.67	0.00	645.70	55.00
4180.000	1555.00	427.20	0.00	0.10	0.00	505.40	80.00
4180.000	2865.00	429.94	2.74	0.06	0.00	444.93	80.00
4180.000	3615.00	431.35	1.41	0.04	0.00	508.51	80.00
4180.000	5954.00	435.24	3.89	0.02	0.00	633.82	80.00
5500.000	1403.00	430.11	0.00	2.91	0.00	264.63	1320.00
5500.000	2591.00	431.80	1.70	1.66	0.00	338.60	1320.00
5500.000	3273.00	432.74	0.99	1.44	0.00	390.15	1320.00
5500.000	5402.00	436.00	3.20	0.75	0.00	543.00	1320.00



SECNO	U	CNSTL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6630.000	1403.00	433.41	0.00	3.30	0.00	177.60	1130.00
6630.000	2591.00	435.04	1.63	3.23	0.00	205.34	1130.00
6630.000	3273.00	435.75	0.71	2.96	0.00	217.56	1130.00
6630.000	5402.00	437.81	2.06	1.82	0.00	252.78	1130.00
7000.000	1403.00	434.43	0.00	1.02	0.00	118.03	370.00
7000.000	2591.00	436.18	1.75	1.15	0.00	267.87	370.00
7000.000	3273.00	436.46	0.78	1.71	0.00	201.18	370.00
7000.000	5402.00	439.06	2.07	1.24	0.00	256.75	370.00
7115.000	1403.00	434.78	0.00	0.35	0.00	38.00	115.00
7115.000	2591.00	436.46	1.66	0.28	0.00	38.00	115.00
7115.000	3273.00	437.18	0.72	0.22	0.00	38.00	115.00
7115.000	5402.00	438.98	1.80	-0.06	0.00	38.00	115.00
7270.000	1403.00	435.87	0.00	1.10	0.00	39.00	155.00
7270.000	2591.00	438.36	2.48	1.90	0.00	36.00	155.00
7270.000	3273.00	439.65	1.29	2.47	0.00	39.00	155.00
7270.000	5402.00	443.25	3.60	4.27	0.00	38.00	155.00
7500.000	1403.00	436.21	0.00	0.34	0.00	60.43	30.00
7500.000	2591.00	439.17	2.96	0.81	0.00	72.26	30.00
7500.000	3273.00	440.81	1.64	1.16	0.00	75.88	30.00
7500.000	5402.00	445.72	4.91	2.47	0.00	96.76	30.00
7380.000	1403.00	436.80	0.00	0.58	0.00	198.81	80.00
7380.000	2591.00	440.01	3.21	0.84	0.00	248.75	80.00
7380.000	3273.00	441.71	1.70	0.90	0.00	270.90	80.00
7380.000	5402.00	446.68	4.97	0.96	0.00	355.45	80.00
7870.000	1403.00	438.03	0.00	1.23	0.00	166.58	490.00
7870.000	2591.00	440.72	2.69	0.71	0.00	229.34	490.00
7870.000	3273.00	442.24	1.53	0.53	0.00	249.18	490.00
7870.000	5402.00	446.95	4.71	0.27	0.00	310.54	490.00
8500.000	1403.00	440.59	0.00	2.56	0.00	160.01	630.00
8500.000	2591.00	442.60	2.01	1.88	0.00	214.64	630.00
8500.000	3273.00	443.67	1.07	1.43	0.00	251.38	630.00
8500.000	5402.00	447.61	3.93	0.65	0.00	282.50	630.00
9000.000	1403.00	442.82	0.00	2.23	0.00	160.79	500.00
9000.000	2591.00	444.74	1.92	2.13	0.00	212.76	500.00
9000.000	3273.00	445.57	0.84	1.90	0.00	227.43	500.00
9000.000	5402.00	448.59	3.01	0.98	0.00	266.62	500.00
9840.000	1331.00	447.00	0.00	4.18	0.00	99.69	840.00
9840.000	2462.00	446.92	1.92	4.19	0.00	150.08	840.00
9840.000	3111.00	449.79	0.78	4.13	0.00	170.63	840.00
9840.000	5140.00	451.55	1.85	2.97	0.00	218.62	840.00
10000.000	1331.00	448.08	0.00	1.08	0.00	25.00	160.00
10000.000	2462.00	450.09	2.01	1.16	0.00	25.00	160.00
10000.000	3111.00	450.88	0.79	1.17	0.00	25.00	160.00
10000.000	5140.00	452.47	1.59	0.92	0.00	25.00	160.00

SECNO	U	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
10040.000	1331.00	448.28	0.00	0.20	0.00	25.00	40.00
10040.000	2462.00	450.69	2.41	0.60	0.00	25.00	40.00
* 10040.000	3111.00	451.78	1.09	0.91	0.00	25.00	40.00
* 10040.000	5140.00	457.36	5.58	4.89	0.00	338.62	40.00
10100.000	1331.00	449.49	0.00	1.20	0.00	138.69	60.00
10100.000	2462.00	453.15	3.67	2.46	0.00	232.08	60.00
10100.000	3111.00	454.99	1.83	3.21	0.00	273.14	60.00
10100.000	5140.00	457.43	2.44	0.07	0.00	327.90	60.00
10380.000	1331.00	450.20	0.00	0.71	0.00	135.25	280.00
10380.000	2462.00	453.52	3.33	0.57	0.00	222.37	280.00
10380.000	3111.00	455.25	1.73	0.27	0.00	250.15	280.00
10380.000	5140.00	457.72	2.47	0.29	0.00	316.63	280.00
10470.000	1331.00	450.59	0.00	0.19	0.00	21.00	90.00
10470.000	2462.00	453.33	2.94	-0.19	0.00	21.00	90.00
10470.000	3111.00	454.86	1.53	-0.40	0.00	21.00	90.00
10470.000	5140.00	456.62	1.77	-1.10	0.00	21.00	90.00
10505.000	1331.00	450.94	0.00	0.55	0.00	21.00	35.00
10505.000	2462.00	454.18	3.24	0.85	0.00	21.00	35.00
10505.000	3111.00	455.73	1.56	0.88	0.00	21.00	35.00
10505.000	5140.00	458.46	2.73	1.84	0.00	21.00	35.00
10600.000	1331.00	452.47	0.00	1.53	0.00	291.20	95.00
10600.000	2462.00	456.75	4.28	2.57	0.00	329.00	95.00
10600.000	3111.00	459.01	2.26	3.20	0.00	342.89	95.00
10600.000	5140.00	465.06	6.05	6.60	0.00	394.99	95.00
10920.000	1331.00	452.70	0.00	0.23	0.00	280.36	320.00
10920.000	2462.00	456.84	4.14	0.09	0.00	313.10	320.00
10920.000	3111.00	459.08	2.24	0.07	0.00	330.78	320.00
10920.000	5140.00	465.10	6.02	0.04	0.00	378.43	320.00
11500.000	1331.00	453.42	0.00	0.72	0.00	255.43	380.00
11500.000	2462.00	457.06	3.64	0.22	0.00	299.81	380.00
11500.000	3111.00	459.22	2.16	0.14	0.00	316.89	380.00
11500.000	5140.00	465.15	5.95	0.07	0.00	363.90	380.00
12000.000	1331.00	456.87	0.00	3.45	0.00	309.09	700.00
12000.000	2462.00	458.32	1.45	1.26	0.00	374.93	700.00
12000.000	3111.00	459.91	1.59	0.69	0.00	433.26	700.00
12000.000	5140.00	465.40	5.49	0.23	0.00	570.03	700.00
12630.000	1331.00	460.02	0.00	3.15	0.00	332.13	630.00
12630.000	2462.00	461.15	1.13	2.83	0.00	379.75	630.00
12630.000	3111.00	461.71	0.56	1.80	0.00	400.07	630.00
12630.000	5140.00	465.76	4.05	0.36	0.00	514.93	630.00
13260.000	1331.00	462.57	0.00	2.55	0.00	323.46	630.00
13260.000	2462.00	463.83	1.25	2.68	0.00	378.88	630.00
13260.000	3111.00	464.39	0.56	2.68	0.00	394.38	630.00
13260.000	5140.00	466.68	2.29	0.92	0.00	472.98	630.00

RECNO	U	CKSEL	DIFWSP	DIFWSX	DIFKWB	TOPWID	XLCH
14870.000	1192.00	466.90	0.00	4.33	0.00	286.54	1610.00
14870.000	2211.00	468.34	1.44	4.51	0.00	309.51	1610.00
14870.000	2797.00	469.00	0.66	4.62	0.00	326.05	1610.00
14870.000	4633.00	470.53	1.53	3.85	0.00	362.56	1610.00
15000.000	1192.00	467.13	0.00	0.23	0.00	263.77	130.00
15000.000	2211.00	468.59	1.46	0.24	0.00	307.02	130.00
15000.000	2797.00	469.26	0.67	0.25	0.00	317.73	130.00
15000.000	4633.00	470.83	1.57	0.29	0.00	381.54	130.00
15155.000	1192.00	467.42	0.00	0.24	0.00	70.00	155.00
15155.000	2211.00	468.05	1.43	0.26	0.00	70.00	155.00
15155.000	2797.00	469.49	0.64	0.24	0.00	70.00	155.00
15155.000	4633.00	471.10	1.61	0.28	0.00	391.18	155.00
15185.000	1192.00	467.43	0.00	0.01	0.00	70.00	30.00
15185.000	2211.00	468.88	1.45	0.03	0.00	70.00	30.00
15185.000	2797.00	470.40	1.52	0.90	0.00	199.68	30.00
15185.000	4633.00	472.32	1.93	1.22	0.00	409.08	30.00
15250.000	1192.00	467.82	0.00	0.39	0.00	307.70	65.00
15250.000	2211.00	469.57	1.75	0.69	0.00	358.19	65.00
15250.000	2797.00	470.70	1.13	0.31	0.00	389.65	65.00
15250.000	4633.00	472.40	1.70	0.00	0.00	428.74	65.00
15360.000	1192.00	468.16	0.00	0.34	0.00	311.80	110.00
15360.000	2211.00	469.82	1.66	0.25	0.00	359.57	110.00
15360.000	2797.00	470.89	1.07	0.18	0.00	389.28	110.00
15360.000	4633.00	472.59	1.70	0.19	0.00	428.64	110.00
17450.000	1192.00	472.11	0.00	3.95	0.00	476.36	2090.00
17450.000	2211.00	473.41	1.30	3.59	0.00	528.06	2090.00
17450.000	2797.00	474.03	0.62	3.14	0.00	539.58	2090.00
17450.000	4633.00	475.71	1.67	3.11	0.00	570.52	2090.00
18330.000	1192.00	474.22	0.00	2.11	0.00	169.33	880.00
18330.000	2211.00	475.54	1.32	2.13	0.00	199.07	880.00
18330.000	2797.00	476.13	0.59	2.10	0.00	212.36	880.00
18330.000	4633.00	477.67	1.54	1.96	0.00	247.29	880.00
19500.000	988.00	478.52	0.00	4.30	0.00	450.60	1170.00
19500.000	1841.00	479.77	1.26	4.24	0.00	508.19	1170.00
19500.000	2333.00	480.35	0.58	4.22	0.00	520.94	1170.00
19500.000	3879.00	481.85	1.50	4.18	0.00	556.67	1170.00
20000.000	988.00	479.67	0.00	1.15	0.00	193.68	500.00
20000.000	1841.00	480.86	1.19	1.09	0.00	391.21	500.00
20000.000	2333.00	481.40	0.54	1.05	0.00	400.00	500.00
20000.000	3879.00	482.83	1.42	0.98	0.00	423.22	500.00
20145.000	988.00	480.35	0.00	0.68	0.00	35.00	145.00
20145.000	1841.00	481.56	1.23	0.72	0.00	35.00	145.00
20145.000	2333.00	482.06	0.47	0.65	0.00	410.42	145.00
20145.000	3879.00	483.36	1.33	0.56	0.00	432.09	145.00

SECNO	Q	CWSEL	DIFWBP	DIFWSX	DIFKWS	TOPWID	XLCH
20175.000	988.00	480.35	0.00	0.00	0.00	382.63	30.00
20175.000	1841.00	482.00	2.05	1.22	0.00	422.56	30.00
20175.000	2333.00	483.23	0.43	1.16	0.00	429.64	30.00
20175.000	3879.00	484.22	0.99	0.84	0.00	443.83	30.00
20250.000	988.00	480.70	0.00	0.41	0.00	139.92	75.00
20250.000	1841.00	482.86	2.10	0.06	0.00	400.86	75.00
20250.000	2333.00	483.31	0.45	0.07	0.00	408.19	75.00
20250.000	3879.00	484.34	1.03	0.12	0.00	425.09	75.00
20480.000	988.00	481.49	0.00	0.73	0.00	401.35	230.00
20480.000	1841.00	483.27	1.78	0.91	0.00	430.32	230.00
20480.000	2333.00	483.76	0.49	0.45	0.00	438.42	230.00
20480.000	3879.00	484.43	1.17	0.59	0.00	452.53	230.00
21000.000	720.00	482.01	0.00	0.52	0.00	165.29	520.00
21000.000	1353.00	483.72	1.71	0.45	0.00	396.95	520.00
21000.000	1719.00	484.27	0.56	0.51	0.00	406.05	520.00
21000.000	2877.00	485.61	1.34	0.68	0.00	427.87	520.00
21760.000	720.00	485.24	0.00	2.23	0.00	329.77	760.00
21760.000	1353.00	485.36	1.14	1.66	0.00	364.96	760.00
21760.000	1719.00	485.89	0.51	1.62	0.00	374.81	760.00
21760.000	2877.00	487.20	1.31	1.59	0.00	400.21	760.00
22990.000	720.00	488.88	0.00	4.64	0.00	266.49	1230.00
22990.000	1353.00	489.79	0.91	4.41	0.00	298.11	1230.00
22990.000	1719.00	490.22	0.42	4.33	0.00	304.25	1230.00
22990.000	2877.00	491.35	1.13	4.15	0.00	322.42	1230.00
24800.000	720.00	496.66	0.00	7.78	0.00	219.36	1810.00
24800.000	1353.00	497.82	1.16	8.02	0.00	241.48	1810.00
24800.000	1719.00	498.33	0.52	8.11	0.00	251.35	1810.00
24800.000	2877.00	499.63	1.30	8.28	0.00	270.75	1810.00
24890.000	720.00	496.97	0.00	0.31	0.00	221.78	90.00
24890.000	1353.00	498.19	1.16	0.31	0.00	244.07	90.00
24890.000	1719.00	498.69	0.52	0.32	0.00	254.00	90.00
24890.000	2877.00	499.97	1.32	0.34	0.00	280.24	90.00
24905.000	720.00	498.15	0.00	1.19	0.00	242.85	15.00
24905.000	1353.00	499.00	0.65	0.88	0.00	258.63	15.00
24905.000	1719.00	499.37	0.36	0.72	0.00	265.74	15.00
24905.000	2877.00	500.42	1.05	0.45	0.00	288.41	15.00
24915.000	720.00	498.17	0.00	0.02	0.00	240.66	10.00
24915.000	1353.00	499.04	0.86	0.03	0.00	257.04	10.00
24915.000	1719.00	499.41	0.37	0.04	0.00	264.14	10.00
24915.000	2877.00	500.47	1.07	0.05	0.00	287.25	10.00
24980.000	570.00	498.25	0.00	0.07	0.00	224.74	65.00
24980.000	1078.00	499.16	0.91	0.12	0.00	242.18	65.00
24980.000	1373.00	499.56	0.40	0.15	0.00	249.76	65.00
24980.000	2310.00	500.68	1.12	0.21	0.00	271.28	65.00

SECNO	D	CWSEL	DIFWSP	DIFW5X	DIFKWS	TOPWID	XLCH
25045.000	570.00	498.32	0.00	0.09	0.00	204.28	65.00
25045.000	1078.00	499.30	0.97	0.14	0.00	227.66	65.00
25045.000	1373.00	499.72	0.42	0.16	0.00	235.71	65.00
25045.000	2310.00	500.88	1.16	0.20	0.00	258.01	65.00
25110.000	570.00	498.60	0.00	0.27	0.00	163.22	65.00
25110.000	1078.00	499.61	1.01	0.33	0.00	216.53	65.00
25110.000	1373.00	500.05	0.44	0.33	0.00	224.96	65.00
25110.000	2310.00	501.22	1.16	0.34	0.00	247.20	65.00
25175.000	570.00	499.42	0.00	0.62	0.00	155.19	65.00
25175.000	1078.00	500.29	0.87	0.68	0.00	212.42	65.00
25175.000	1373.00	500.69	0.40	0.64	0.00	219.99	65.00
25175.000	2310.00	501.77	1.07	0.55	0.00	240.53	65.00
25310.000	570.00	501.44	0.00	2.02	0.00	142.44	135.00
25310.000	1078.00	502.29	0.86	2.00	0.00	167.54	135.00
25310.000	1373.00	502.65	0.56	1.96	0.00	177.31	135.00
25310.000	2310.00	503.54	0.88	1.77	0.00	202.67	135.00
25600.000	570.00	505.69	0.00	4.25	0.00	149.77	290.00
25600.000	1078.00	506.61	0.92	4.31	0.00	176.31	290.00
25600.000	1373.00	507.05	0.44	4.40	0.00	188.89	290.00
25600.000	2310.00	508.14	1.09	4.60	0.00	219.93	290.00
25890.000	570.00	509.47	0.00	3.78	0.00	143.71	290.00
25890.000	1078.00	510.39	0.92	3.78	0.00	169.76	290.00
25890.000	1373.00	510.78	0.40	3.73	0.00	181.10	290.00
25890.000	2310.00	511.81	1.02	3.67	0.00	210.53	290.00
26200.000	570.00	514.19	0.00	4.72	0.00	93.20	310.00
26200.000	1078.00	515.21	1.02	4.82	0.00	104.86	310.00
26200.000	1373.00	515.66	0.45	4.88	0.00	110.07	310.00
26200.000	2310.00	516.76	1.10	4.95	0.00	122.75	310.00
26800.000	570.00	522.52	0.00	8.33	0.00	57.61	600.00
26800.000	1078.00	523.94	1.42	8.73	0.00	71.92	600.00
26800.000	1373.00	524.58	0.64	8.92	0.00	78.24	600.00
26800.000	2310.00	526.21	1.63	9.45	0.00	94.39	600.00

SUMMARY OF ERRORS

CAUTION	SECNO=	100.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	100.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	100.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	100.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	100.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	100.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	100.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	100.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	100.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	100.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	100.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	100.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	150.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	150.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY



2 Oct 78  
Duf

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HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
ERROR CORR - 01,02  
MODIFICATION - 50,51,52,57  
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T1 ORANGE COUNTY FIA STUDY  
T2 STONY CREEK  
T3 100YR NATURAL PROFILE JUN 1978 CWF

J1	ICHECK	IND	NINV	IDIR	SIPT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	396.500	0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECF	FN	ALLDC	IBW	CHNIM	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	55.000	0.000	200.000	0.000	0.000	0.000
NC	0.120	0.120	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	5.000	5354.000	6755.000	7556.000	10051.000	7556.000	0.000	0.000	0.000	0.000

END RIVER VALLEY SECTION

X1	99850.000	15.000	1000.000	1170.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	430.000	600.000	420.000	720.000	410.000	820.000	400.000	950.000	594.000	1000.000
GR	390.000	1050.000	386.000	1060.000	384.700	1085.000	386.000	1110.000	390.000	1120.000
GR	394.000	1170.000	400.000	1190.000	410.000	1300.000	420.000	1000.000	450.000	1700.000
OT	5.000	1669.000	5070.000	5871.000	6366.000	5871.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

X1	0.000	13.000	1000.000	1032.000	260.000	260.000	260.000	0.000	-24.000	0.000
GR	430.000	600.000	421.700	917.000	418.700	978.000	409.900	1000.000	409.600	1002.000
GR	409.000	1015.000	409.500	1027.000	412.300	1052.000	414.100	1317.000	415.800	1417.000
GR	417.600	1517.000	419.800	1617.000	430.000	1700.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

X1	50.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

X1	100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

X1	150.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000



ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000
X1	250.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	4.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

OS-1 VALLEY

X1	290.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	3.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1300.000	0.000	0.000

X1	340.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	3.200	0.000
NC	0.000	0.000	0.000	0.000	0.600	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1065.000	0.000	0.000

X1	385.000	18.000	1005.000	1055.000	45.000	45.000	45.000	0.000	0.000	0.000
GR	430.900	862.000	430.000	881.000	425.100	962.000	420.600	1000.000	418.500	1005.000
GR	416.500	1011.000	416.500	1019.000	415.500	1019.100	415.500	1029.000	416.500	1029.100
GR	416.500	1055.000	425.400	1119.000	424.300	1184.000	423.200	1284.000	422.300	1384.000
GR	423.300	1484.000	427.000	1584.000	431.700	1684.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.700	0.000	45.100	0.100	360.000	0.000	415.500	415.500
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1065.000	0.000	0.000

OS-2 DRIVEWAY

X1	400.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	423.500	422.300	0.000	0.000	0.000	0.000	0.000
BT	14.000	862.000	430.900	0.000	907.000	428.500	0.000	984.000	426.600	0.000
BT	1005.000	426.100	0.000	1005.100	426.100	423.500	1054.900	426.100	423.500	1055.000
BT	426.100	0.000	1084.000	425.900	0.000	1184.000	424.300	0.000	1284.000	423.200
BT	0.000	1584.000	422.300	0.000	1484.000	423.300	0.000	1584.000	427.000	0.000
BT	1684.000	431.700	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	990.000	1370.000	0.000	0.000

OS-3 VALLEY

X1	440.000	17.000	1000.000	1062.000	40.000	40.000	40.000	0.000	0.000	0.000
GR	430.900	862.000	425.100	962.000	420.600	1000.000	415.800	1011.000	414.100	1021.000
GR	413.300	1031.000	412.300	1041.000	414.600	1051.000	415.300	1060.000	416.000	1062.000
GR	425.400	1119.000	424.300	1184.000	423.200	1284.000	422.500	1384.000	423.300	1484.000
GR	427.000	1584.000	431.700	1684.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	990.000	1370.000	0.000	0.000

X1	500.000	0.000	0.000	0.000	60.000	60.000	60.000	0.000	0.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	815.000	1215.000	0.000	0.000

X1	1000.000	13.000	830.000	1200.000	500.000	500.000	500.000	0.000	0.000	0.000
GR	440.000	730.000	430.000	770.000	420.000	810.000	416.000	830.000	415.000	1000.000
GR	413.000	1005.000	412.500	1030.000	413.000	1050.000	415.000	1055.000	416.000	1200.000
GR	420.000	1250.000	430.000	1300.000	440.000	1360.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	775.000	1085.000	0.000	0.000

X1	1520.000	12.000	790.000	1070.000	520.000	520.000	520.000	0.000	0.000	0.000
GR	440.000	620.000	430.000	680.000	420.000	770.000	416.000	790.000	415.000	1000.000
GR	413.500	1005.000	412.700	1025.000	413.500	1045.000	415.000	1050.000	416.000	1070.000
GR	420.000	1110.000	440.000	1150.000	0.000	0.000	0.000	0.000	0.000	0.000

OS-4 VALLEY

X1	2820.000	12.000	1000.000	1045.000	1300.000	1300.000	1300.000	0.000	0.000	0.000
GR	441.000	800.000	431.500	900.000	419.700	968.000	419.300	1000.000	418.000	1003.000
GR	413.900	1013.000	413.200	1023.000	414.700	1033.000	418.400	1043.000	419.100	1045.000
GR	434.100	1100.000	439.900	1118.000	0.000	0.000	0.000	0.000	0.000	0.000
BT	5.000	1555.000	2865.000	3615.000	5954.000	3615.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	910.000	1050.000	0.000	0.000

X1	3900.000	12.000	1000.000	1038.000	1080.000	1080.000	1080.000	0.000	0.000	0.000
GR	450.000	450.000	440.000	680.000	430.000	830.000	425.000	900.000	421.800	1000.000
GR	418.900	1006.000	417.900	1011.000	418.300	1022.000	422.000	1038.000	435.600	1110.000
GR	439.600	1143.000	446.600	1215.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1041.000	0.000	0.000

X1	3980.000	19.000	1003.000	1041.000	80.000	80.000	80.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	440.700	441.000	0.000
GR	450.500	440.000	447.200	515.000	442.800	615.000	440.000	680.000	437.700	715.000
GR	430.000	830.000	426.000	900.000	422.000	1003.000	418.500	1008.000	418.300	1013.000
GR	418.200	1018.000	416.100	1023.000	418.500	1028.000	421.500	1033.000	421.000	1038.000
GR	422.000	1041.000	455.900	1110.000	440.000	1143.000	448.000	1215.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	12.000	0.000	456.000	0.000	418.200	418.100
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1041.000	0.000	0.000

OS-5 US HWY 70

X1	4045.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	430.000	445.300	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	445.300	445.700	0.000
BT	19.000	440.000	450.500	450.500	515.000	450.000	447.200	615.000	448.400	442.800
BT	680.000	447.500	440.000	715.000	447.100	437.700	530.000	445.900	430.000	900.000
BT	445.400	426.000	1003.000	445.600	422.000	1008.000	445.600	429.000	1013.000	445.700
BT	433.300	1018.000	445.700	435.500	1025.000	445.700	438.000	1028.000	445.300	434.900
BT	1033.000	445.800	431.900	1038.000	445.900	425.600	1041.000	445.900	422.000	1110.000
BT	446.300	435.900	1143.000	446.800	440.000	1215.000	448.000	448.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	790.000	1050.000	0.000	0.000

X1	4100.000	15.000	1000.000	1058.000	55.000	55.000	55.000	0.000	-0.500	0.000
GR	451.000	350.000	438.100	410.000	433.100	510.000	430.300	610.000	420.400	710.000
GR	425.800	810.000	423.900	910.000	423.200	1000.000	420.300	1006.000	419.300	1011.000
GR	419.700	1022.000	423.000	1058.000	437.000	1110.000	441.000	1143.000	448.000	1215.000
MC	0.000	0.000	0.000	0.100	0.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	800.000	1050.000	0.000	0.000

OS-6 VALLEY

X1	4180.000	0.000	0.000	0.000	80.000	80.000	80.000	0.000	0.500	0.000
BT	5.000	1403.000	2591.000	3273.000	5402.000	3273.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	880.000	1050.000	0.000	0.000

X1	5500.000	0.000	0.000	0.000	1320.000	1320.000	1320.000	0.000	3.800	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	900.000	1055.000	0.000	0.000

X1	6630.000	13.000	1000.000	1040.000	1130.000	1130.000	1150.000	0.000	0.000	0.000
GR	460.000	570.000	450.000	670.000	440.000	800.000	432.000	900.000	429.000	1000.000
GR	427.000	1004.000	426.400	1012.000	427.000	1020.000	427.900	1023.000	429.000	1040.000

GR	440.000	1090.000	450.000	1130.000	400.000	1100.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	905.000	1055.000	0.000	0.000
X1	7000.000	0.000	0.000	0.000	370.000	370.000	370.000	0.000	1.000	0.000
NC	0.000	0.000	0.000	0.500	0.700	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1038.000	0.000	0.000

OS-6A 1-85

X1	7115.000	20.000	1000.000	1038.000	115.000	115.000	115.000	0.000	-0.800	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	451.000	451.700	0.000
GR	460.000	570.000	454.900	800.000	452.200	919.000	451.400	954.000	431.100	1000.000
GR	428.300	1005.000	428.200	1010.000	428.800	1015.000	430.500	1020.000	430.500	1025.000
GR	430.300	1030.000	430.100	1035.000	430.100	1038.000	431.100	1040.000	439.200	1054.000
GR	450.400	1074.000	452.200	1119.000	456.000	1219.000	460.000	1319.000	463.000	1400.000
SN	0.000	1.680	2.800	0.000	11.700	0.000	443.000	0.000	428.200	427.700
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1038.000	0.000	0.000

OS-7 VALLEY

X1	7270.000	0.000	0.000	0.000	155.000	155.000	155.000	0.000	0.500	0.000
X2	0.000	0.000	1.000	446.100	454.900	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	454.900	457.100	0.000
BT	20.000	570.000	460.000	0.000	800.000	455.900	455.900	919.000	455.200	452.200
BT	954.000	455.800	451.400	1000.000	456.500	431.100	1005.000	456.600	438.900	1010.000
BT	456.600	443.100	1015.000	456.700	445.000	1020.000	456.800	446.100	1025.000	456.800
BT	445.100	1030.000	456.900	442.100	1035.000	457.000	436.100	1038.000	457.100	430.100
BT	1040.000	457.100	431.100	1054.000	457.400	439.200	1074.000	457.700	450.400	1119.000
BT	458.400	452.200	1219.000	460.300	456.000	1319.000	461.400	460.000	1400.000	463.000
BT	463.000	0.000	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	985.000	1050.000	0.000	0.000

OS-7 VALLEY

X1	7300.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	935.000	1065.000	0.000	0.000
X1	7380.000	12.000	1000.000	1023.000	80.000	80.000	80.000	0.000	-2.200	0.000
GR	460.000	670.000	450.000	800.000	440.000	890.000	433.400	1000.000	431.400	1004.000
GR	430.800	1012.000	431.400	1020.000	432.200	1023.000	433.300	1040.000	440.000	1110.000
GR	450.000	1150.000	460.000	1210.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	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	1055.000	0.000	0.000

X1	7870.000	0.000	0.000	0.000	490.000	490.000	490.000	0.000	2.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1055.000	0.000	0.000

X1	6500.000	0.000	0.000	0.000	630.000	630.000	630.000	0.000	2.800	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1055.000	0.000	0.000

X1	9000.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	2.200	0.000
BT	5.000	1531.000	2062.000	3111.000	5140.000	5111.000	0.000	0.000	0.000	0.000

OS-8 VALLEY

X1	9840.000	14.000	1000.000	1032.000	840.000	840.000	840.000	0.000	0.000	0.000
GR	466.100	643.000	463.500	743.000	459.500	843.000	450.200	943.000	444.400	1000.000
GR	440.600	1007.000	439.500	1017.000	440.800	1029.000	444.400	1032.000	445.100	1043.000
GR	451.200	1143.000	459.800	1243.000	465.300	1329.000	474.000	1450.000	0.000	0.000

ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1030.000	0.000	0.000
X1	10000.000	16.000	1005.000	1030.000	160.000	160.000	160.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	454.000	454.000	0.000
GR	466.100	643.000	463.500	743.000	459.500	843.000	451.000	943.000	444.300	1005.000
GR	440.500	1010.000	440.400	1015.000	440.300	1020.000	440.600	1025.000	443.000	1030.000
GR	445.200	1032.000	445.900	1043.000	452.000	1143.000	459.800	1243.000	465.300	1329.000
GR	474.000	1450.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.050	1.600	2.800	0.000	21.400	1.500	279.000	0.160	440.500	440.300
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1030.000	0.000	0.000

05-9 SR 1712

X1	10040.000	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	453.000	455.100	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	455.300	455.300	0.000
BT	16.000	643.000	466.100	0.000	743.000	463.500	0.000	843.000	459.500	0.000
BT	885.000	458.100	456.000	985.000	455.400	446.800	1005.000	455.100	444.300	1005.100
BT	455.100	453.000	1029.900	455.100	453.000	1030.000	455.100	443.000	1032.000	455.200
BT	445.200	1085.000	455.800	447.900	1185.000	460.900	455.300	1229.000	464.100	458.900
BT	1243.000	464.700	459.800	1329.000	468.500	460.300	1450.000	474.000	474.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1085.000	0.000	0.000

X1	10100.000	14.000	1000.000	1032.000	60.000	60.000	60.000	0.000	1.000	0.000
GR	466.100	643.000	463.500	743.000	459.500	843.000	450.200	943.000	444.400	1000.000
GR	440.600	1007.000	439.500	1017.000	440.800	1029.000	444.400	1032.000	445.100	1043.000
GR	451.200	1143.000	459.800	1243.000	465.300	1329.000	474.000	1450.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1085.000	0.000	0.000

X1	10380.000	0.000	0.000	0.000	280.000	280.000	280.000	0.000	0.800	0.000
NC	0.000	0.000	0.000	0.500	0.700	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1025.000	0.000	0.000

X1	10470.000	18.000	1004.000	1025.000	90.000	90.000	90.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	470.300	469.600	0.000
GR	480.000	650.000	466.500	689.000	450.400	772.000	449.400	789.000	448.200	889.000
GR	446.400	989.000	445.200	1004.000	444.000	1004.100	442.400	1010.000	442.000	1015.000
GR	442.700	1020.000	444.200	1024.900	445.100	1025.000	446.100	1040.000	464.000	1089.000
GR	466.500	1119.000	474.800	1212.000	480.000	1270.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	18.700	0.000	393.000	0.000	442.100	442.000
ET	0.000	0.000	0.000	0.000	0.000	7.110	999.000	1025.000	0.000	0.000

05-10 SOUTHERN RR

X1	10505.000	0.000	0.000	0.000	35.000	35.000	35.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	464.400	474.800	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	476.200	474.800	0.000
BT	18.000	650.000	480.000	480.000	689.000	479.400	466.500	772.000	478.400	450.400
BT	789.000	478.300	449.400	889.000	477.300	448.200	989.000	476.300	446.400	1004.000
BT	476.200	445.200	1004.100	476.200	454.800	1010.000	476.100	462.800	1015.000	476.100
BT	464.400	1020.000	476.100	463.400	1024.900	476.000	454.800	1025.000	476.000	445.100
BT	1040.000	475.800	446.100	1089.000	475.600	464.000	1119.000	475.300	466.500	212.000
BT	474.800	474.800	1270.000	480.000	480.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	850.000	1040.000	0.000	0.000

X1	10600.000	15.000	1000.000	1028.000	95.000	95.000	95.000	0.000	-1.600	0.000
GR	466.100	643.000	463.500	743.000	459.500	843.000	450.200	943.000	444.400	1000.000

	487,500	1028,000	460,000	1280,000	480,200	1280,000	100,000	1110,000	410,000	1270,000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	850.000	1040.000	0.000	0.000
OS-11 VALLEY										
X1	10920.000	0.000	0.000	0.000	320.000	320.000	320.000	0.000	1.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	830.000	1040.000	0.000	0.000
X1	11300.000	0.000	0.000	0.000	380.000	380.000	380.000	0.000	1.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	820.000	1040.000	0.000	0.000
X1	12000.000	16.000	1000.000	1021.000	700.000	700.000	700.000	0.000	-5.400	0.000
GR	483.900	566.000	473.100	666.000	463.400	727.000	460.900	766.000	460.800	866.000
GR	459.600	966.000	460.200	1000.000	456.100	1003.000	455.100	1010.000	456.100	1017.000
GR	461.400	1021.000	462.600	1066.000	465.900	1166.000	471.700	1266.000	478.200	1365.000
GR	482.100	1441.000	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	790.000	1040.000	0.000	0.000
X1	12630.000	0.000	0.000	0.000	630.000	630.000	630.000	0.000	2.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	780.000	1040.000	0.000	0.000
OS-12 VALLEY										
X1	13260.000	0.000	0.000	0.000	630.000	630.000	630.000	0.000	2.700	0.000
OT	5.000	1192.000	2211.000	2797.000	4633.000	2797.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	890.000	1060.000	0.000	0.000
OS-13 VALLEY										
X1	14870.000	14.000	1000.000	1018.000	1610.000	1610.000	1610.000	0.000	0.000	0.000
GR	489.100	703.000	474.300	803.000	463.100	857.000	463.100	903.000	463.600	1000.000
SR	461.200	1003.000	460.000	1009.000	461.600	1015.000	463.300	1018.000	464.900	1103.000
GR	469.400	1153.000	469.300	1180.000	470.400	1203.000	487.000	1294.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	890.000	1060.000	0.000	0.000
X1	15000.000	0.000	0.000	0.000	130.000	130.000	130.000	0.000	0.400	0.000
NC	0.000	0.000	0.000	0.300	0.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1040.000	0.000	0.000
X1	15155.000	17.000	970.000	1040.000	155.000	155.000	155.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	470.700	469.700	0.000
GR	490.000	500.000	473.000	766.000	464.000	857.000	463.600	970.000	463.600	985.000
GR	462.300	990.000	462.400	995.000	460.900	1000.000	461.000	1005.000	460.600	1010.000
GR	461.400	1015.000	463.200	1020.000	464.400	1025.000	464.700	1040.000	465.900	1103.000
GR	469.700	1166.000	487.000	1294.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	1.250	1.600	2.800	0.000	20.100	1.000	401.000	2.580	460.800	460.600
ET	0.000	0.000	0.000	0.000	0.000	7.110	970.000	1120.000	0.000	0.000
OS-14 SR 1710										
X1	15185.000	0.000	0.000	0.000	30.000	30.000	30.000	0.000	0.200	0.000
X2	0.000	0.000	1.000	469.900	469.700	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	471.500	469.700	0.000
BT	8.000	500.000	490.000	0.000	766.000	473.000	473.000	866.000	471.700	0.000
ET	970.000	471.500	469.700	1000.000	470.800	469.700	1040.000	470.500	0.000	1160.000







BT	0.000	1160.000	494.200	0.000	1200.000	497.200	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	800.000	1040.000	0.000	0.000
X1	20250.000	14.000	1000.000	1022.000	75.000	75.000	75.000	0.000	1.400	0.000
GR	500.600	560.000	483.800	660.000	479.900	701.000	479.800	760.000	479.800	860.000
GR	479.200	960.000	477.300	1000.000	472.600	1002.000	471.400	1009.000	475.000	1019.000
GR	476.200	1022.000	477.100	1060.000	494.200	1160.000	497.200	1200.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	750.000	1050.000	0.000	0.000

08-18 VALLEY

X1	20480.000	0.000	0.000	0.000	230.000	230.000	230.000	0.000	-1.400	0.000
BT	5.000	720.000	1353.000	1719.000	2877.000	1719.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	805.000	1040.000	0.000	0.000

X1	21000.000	0.000	0.000	0.000	520.000	520.000	520.000	0.000	2.500	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	970.000	1150.000	0.000	0.000

08-19 VALLEY

X1	21760.000	15.000	1000.000	1017.000	760.000	760.000	760.000	0.000	0.000	0.000
GR	502.400	742.000	494.200	842.000	485.100	897.000	483.000	942.000	481.200	1000.000
GR	477.800	1004.000	478.100	1009.000	477.900	1013.000	481.600	1017.000	482.300	1042.000
GR	483.400	1142.000	484.000	1242.000	491.500	1342.000	498.700	1542.000	502.400	1490.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1145.000	0.000	0.000

08-20 VALLEY

X1	22990.000	14.000	1000.000	1017.000	1230.000	1230.000	1230.000	0.000	0.000	0.000
GR	508.300	761.000	501.700	861.000	490.700	961.000	487.100	984.000	487.100	1000.000
GR	483.000	1004.000	483.100	1009.000	483.000	1015.000	487.600	1017.000	487.200	1061.000
GR	487.400	1161.000	489.300	1261.000	501.700	1361.000	507.500	1406.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	897.000	1035.000	0.000	0.000

X1	24800.000	16.000	1000.000	1020.000	1810.000	1810.000	1810.000	0.000	-0.400	0.000
GR	518.600	500.000	513.100	600.000	508.400	700.000	499.900	800.000	496.300	826.000
GR	495.500	900.000	494.800	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000
GR	495.400	1020.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.800	1317.000
GR	515.200	1355.000	0.000	0.000	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	7.100	888.000	1035.000	0.000	0.000

X1	24890.000	21.000	1004.000	1018.000	90.000	90.000	90.000	0.000	-0.200	0.000
X5	10.000	0.000	0.000	0.000	0.000	0.000	0.000	496.700	496.700	0.000
GR	518.600	500.000	513.100	600.000	508.400	700.000	506.900	717.000	505.100	740.000
GR	499.900	800.000	496.300	826.000	496.200	840.000	495.500	900.000	495.200	940.000
GR	494.800	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000	495.400	1020.000
GR	497.700	1048.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.800	1317.000
GR	515.200	1355.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.000	1.600	2.800	0.000	11.400	0.000	57.000	0.000	491.200	491.100
ET	0.000	0.000	0.000	0.000	0.000	7.110	870.000	1035.000	0.000	0.000

08-21 UNNAMED ROAD

X1	24905.000	0.000	0.000	0.000	15.000	15.000	15.000	0.000	0.100	0.000
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X1	10.000	0.000	0.000	0.000	0.000	0.000	0.000	497.200	497.200	0.000
BT	21.000	500.000	510.600	510.600	600.000	513.100	513.100	700.000	506.900	506.900
BT	717.000	505.100	505.100	740.000	506.200	505.100	800.000	502.000	499.900	826.000
BT	500.200	496.300	840.000	499.200	496.200	900.000	498.100	495.500	940.000	497.200
BT	495.200	1000.000	497.200	494.800	1004.000	497.200	491.900	1011.000	497.200	496.200
BT	1018.000	497.200	491.200	1020.000	497.300	495.400	1048.000	497.700	497.700	1100.000
BT	502.100	502.100	1160.000	530.800	503.800	1240.000	504.700	504.700	1317.000	506.800
BT	506.800	1355.000	515.200	515.200	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	880.000	1035.000	0.000	0.000

OS-21A VALLEY

X1	24915.000	16.000	1000.000	1020.000	10.000	10.000	10.000	0.000	0.000	0.000
GR	510.600	500.000	513.100	600.000	508.400	700.000	499.900	800.000	496.300	826.000
GR	495.500	900.000	494.800	1000.000	491.900	1004.000	491.300	1011.000	491.200	1018.000
GR	495.400	1020.000	502.100	1100.000	503.800	1160.000	504.700	1240.000	506.800	1317.000
GR	515.200	1355.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
NT	5.000	570.000	1078.000	1373.000	2310.000	1373.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	895.000	1035.000	0.000	0.000

X1	24980.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	920.000	1035.000	0.000	0.000

X1	25045.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1035.000	0.000	0.000

X1	25110.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	950.000	1035.000	0.000	0.000

X1	25175.000	0.000	0.000	0.000	65.000	65.000	65.000	0.000	0.900	0.000
ET	0.000	0.000	0.000	0.000	0.000	5.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1035.000	0.000	0.000

X1	25310.000	11.000	1000.000	1018.000	135.000	135.000	135.000	0.000	-4.000	0.000
GR	530.000	780.000	520.000	830.000	505.000	900.000	504.500	1000.000	501.500	1003.000
GR	501.000	1010.000	501.300	1016.000	504.500	1018.000	510.000	1150.000	520.000	1350.000
GR	530.000	1450.000	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	7.400	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1035.000	0.000	0.000

X1	25600.000	0.000	0.000	0.000	290.000	290.000	290.000	0.000	4.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1018.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1035.000	0.000	0.000

X1	25890.000	0.000	0.000	0.000	290.000	290.000	290.000	0.000	4.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	974.000	1024.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	974.000	1034.000	0.000	0.000

X1	26200.000	12.000	1000.000	1018.000	310.000	310.000	310.000	0.000	0.000	0.000
GR	540.000	780.000	530.000	850.000	520.000	910.000	514.000	943.000	513.000	1000.000
GR	510.000	1003.000	509.400	1010.000	509.800	1016.000	513.000	1018.000	513.000	1028.000
GR	530.000	1130.000	540.000	1190.000	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	974.000	1034.000	0.000	0.000

X1	26800.000	9.000	1000.000	1017.000	600.000	600.000	600.000	0.000	0.000	0.000
GR	543.500	800.000	534.100	900.000	521.100	520.800	520.800	1000.000	518.200	1003.000
GR	517.700	1009.000	518.000	1015.000	520.400	540.900	540.900	1100.000	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

*Handwritten mark*

*Handwritten mark*

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

T1 ORANGE COUNTY FIA STUDY  
 T2 STONY CREEK  
 T3 100YR FLOODWAY PROFILE JUN 1978 CWF

T1	ICHECK	IND	NINV	IDIR	STLT	METRIC	HVINS	D	WSEL	FD
	-10	0	0	0	0.000000	0.00	0.0	0	396.500	0.000

T2	NPROF	IPLGT	PREVS	XSECV	XSECH	FN	ALLDC	TBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

\*PROF 2

\*SECNO 99850.000

SECNO	DEPTH	CWSEL	CRINS	WSEL	FG	HV	HL	OLOSS	BANK ELEV
Q	DLOB	QCH	QROB	ALOB	ACH	AROB	VOI	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CURAP	TOPWID	ENDST

END RIVER VALLEY SECTION

99850.00	11.80	396.50	0.00	396.50	397.13	0.63	0.00	0.00	394.00
7556.00	27.	7519.	10.	26.	1178.	10.	0.	0.	394.00
0.00	1.02	6.39	1.00	0.120	0.060	0.120	0.000	384.70	979.17
0.005110	0.	0.	0.	0	0	0	0.00	199.17	1178.33

FLOW DISTRIBUTION FOR SECNO= 99850.00 CWSEL= 396.50

STA=	979.	1000.	1170.	1178.
PER Q=	0.4	99.5	0.1	
AREA=	26.0	1177.5	10.4	
VEL=	1.0	6.4	1.0	

\*SECNO .000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	986.0	1300.0	TYPE=	1	TARGET=	314.000	
0.00	12.53	397.53	0.00	397.42	397.59	0.05	
3871.	116.	1135.	2620.	124.	385.	2248.	
0.04	0.93	2.96	1.17	0.120	0.060	0.120	
0.000540	260.	260.	260.	2	0	0.00	
							0.46
							0.00
							385.90
							2.
							388.30
							385.00.
							986.00
							314.00
							1300.00

FLOW DISTRIBUTION FOR SECNO= 0.00 CWSEL= 397.53

STA=	986.	1000.	1032.	1300.
PER Q=	3.0	29.3	67.7	

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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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	ELIC	ELMIN	10K4S	Q
99850.000	396.50	397.13	0.00	384.70	51.10	7556.00
99850.000	396.50	397.13	0.00	384.70	51.10	7556.00
0.000	397.42	397.44	0.00	385.00	2.96	3871.00
0.000	397.53	397.59	0.00	385.00	5.40	3871.00
50.000	397.28	397.48	0.00	389.10	35.12	3871.00
50.000	397.38	397.65	0.00	389.10	40.76	3871.00
* 100.000	399.61	400.52	0.00	393.20	172.90	3871.00
* 100.000	399.58	400.59	0.00	393.20	187.82	3871.00
* 150.000	403.66	404.61	0.00	397.30	181.98	3871.00
* 150.000	403.55	404.70	0.00	397.30	215.69	3871.00
* 200.000	407.69	408.72	0.00	401.40	197.44	3871.00
* 200.000	407.72	408.79	0.00	401.40	200.88	3871.00
* 250.000	411.83	412.81	0.00	405.50	180.31	3871.00
* 250.000	411.79	412.89	0.00	405.50	207.23	3871.00
* 290.000	415.21	416.21	0.00	409.90	193.12	3871.00
* 290.000	415.20	416.29	0.00	409.90	204.16	3871.00
* 340.000	418.42	419.41	0.00	413.10	190.40	3871.00
* 340.000	418.39	419.49	0.00	413.10	205.57	3871.00
* 385.000	421.81	424.03	0.00	415.50	293.41	3871.00
* 385.000	421.88	424.39	0.00	415.50	310.81	3871.00
* 400.000	421.96	424.03	423.50	415.50	263.86	3871.00
400.000	422.03	424.39	423.50	415.50	280.73	3871.00
440.000	424.61	424.94	0.00	418.30	21.03	3871.00
440.000	425.07	425.40	0.00	418.30	19.02	3871.00
500.000	424.74	425.06	0.00	418.40	20.53	3871.00
500.000	425.19	425.51	0.00	418.40	18.80	3871.00

PRINTED



SECNO	CWSEL	EG	ELLC	ELMIN	10K*9	0
1000.000	425.18	429.20	0.00	412.50	0.72	3871.00
1000.000	425.62	425.64	0.00	412.50	0.68	3871.00
1520.000	425.22	425.25	0.00	412.70	1.22	3871.00
1520.000	425.66	425.69	0.00	412.70	1.15	3871.00
2820.000	425.25	425.90	0.00	413.20	41.24	3871.00
2820.000	425.63	426.33	0.00	413.20	40.23	3871.00
3900.000	429.15	429.47	0.00	417.90	26.29	3615.00
3900.000	429.53	429.90	0.00	417.90	26.92	3615.00
3980.000	428.59	430.26	0.00	418.10	114.91	3615.00
3980.000	429.15	430.63	0.00	418.10	116.17	3615.00
4045.000	429.45	431.11	436.00	418.20	151.92	3615.00
4045.000	430.04	431.46	436.00	418.20	141.99	3615.00
4100.000	431.31	431.36	0.00	418.80	5.88	3615.00
4100.000	431.62	431.70	0.00	418.80	7.15	3615.00
4180.000	431.35	431.42	0.00	419.30	7.32	3615.00
4180.000	431.67	431.77	0.00	419.30	8.76	3615.00
5500.000	432.79	432.97	0.00	423.10	22.13	3273.00
5500.000	433.35	433.61	0.00	423.10	25.55	3273.00
6630.000	435.75	436.07	0.00	426.40	33.84	3273.00
6630.000	436.35	436.65	0.00	426.40	28.01	3273.00
7000.000	436.96	437.26	0.00	427.40	34.24	3273.00
7000.000	437.38	437.69	0.00	427.40	28.23	3273.00
7115.000	437.18	438.84	0.00	427.40	125.80	3273.00
7115.000	437.64	439.13	0.00	427.40	133.91	3273.00
7270.000	439.65	440.94	446.10	427.90	121.43	3273.00
7270.000	440.10	441.21	446.10	427.90	112.13	3273.00
7300.000	440.81	441.43	0.00	428.20	30.65	3273.00
7300.000	440.99	441.61	0.00	428.20	29.67	3273.00
7380.000	441.71	441.81	0.00	428.60	8.61	3273.00
7380.000	441.79	441.98	0.00	428.60	13.78	3273.00
7870.000	442.24	442.42	0.00	430.80	17.65	3273.00
7870.000	442.60	442.97	0.00	430.80	28.24	3273.00
8500.000	443.67	443.99	0.00	433.60	35.56	3273.00
8500.000	444.58	445.04	0.00	433.60	37.55	3273.00
9000.000	445.57	445.95	0.00	435.80	42.31	3273.00
9000.000	446.53	447.01	0.00	435.80	41.23	3273.00
9840.000	449.70	450.54	0.00	439.50	69.46	3111.00
9840.000	450.27	450.92	0.00	439.50	51.84	3111.00

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SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	0
10000.000	450.88	453.39	0.00	440.30	175.44	3111.00
10000.000	451.25	453.58	0.00	440.30	212.34	3111.00
10040.000	451.78	453.97	453.00	440.50	142.85	3111.00
10040.000	452.39	454.34	453.00	440.50	167.30	3111.00
10100.000	454.99	455.13	0.00	440.50	9.20	3111.00
10100.000	455.10	455.39	0.00	440.50	14.85	3111.00
10380.000	455.25	455.42	0.00	441.30	11.05	3111.00
10380.000	455.52	455.83	0.00	441.30	16.61	3111.00
10470.000	454.86	457.21	0.00	442.00	164.42	3111.00
10470.000	455.32	457.51	0.00	442.00	210.49	3111.00
10505.000	455.73	457.90	464.40	442.10	177.58	3111.00
10505.000	456.33	458.35	464.40	442.10	223.49	3111.00
10600.000	459.01	459.04	0.00	442.60	1.90	3111.00
10600.000	459.38	459.43	0.00	442.60	3.16	3111.00
10920.000	459.08	459.12	0.00	442.20	3.10	3111.00
10920.000	459.49	459.56	0.00	442.20	4.75	3111.00
11300.000	459.22	459.28	0.00	442.10	5.97	3111.00
11300.000	459.69	459.78	0.00	442.10	7.24	3111.00
12000.000	459.91	460.01	0.00	442.70	21.66	3111.00
12000.000	460.52	460.68	0.00	442.70	26.72	3111.00
12630.000	461.71	461.89	0.00	452.40	42.18	3111.00
12630.000	462.43	462.61	0.00	452.40	35.28	3111.00
13260.000	464.39	464.57	0.00	452.10	42.81	3111.00
13260.000	464.81	465.01	0.00	452.10	40.89	3111.00
14870.000	469.00	469.08	0.00	461.00	19.03	2797.00
14870.000	469.95	470.10	0.00	461.00	24.53	2797.00
15000.000	469.26	469.34	0.00	461.00	20.81	2797.00
15000.000	470.27	470.42	0.00	461.00	25.51	2797.00
15155.000	469.49	470.06	0.00	461.60	49.69	2797.00
15155.000	470.61	471.02	0.00	461.60	36.22	2797.00
15185.000	470.40	470.61	469.90	461.80	20.88	2797.00
15185.000	471.40	471.56	469.90	461.80	14.93	2797.00
15250.000	470.70	470.77	0.00	461.90	16.70	2797.00
15250.000	471.62	471.68	0.00	461.90	12.32	2797.00
15360.000	470.89	470.96	0.00	461.10	16.88	2797.00
15360.000	471.75	471.82	0.00	461.10	12.68	2797.00
17450.000	474.03	474.09	0.00	461.30	13.36	2797.00
17450.000	474.69	474.78	0.00	461.30	15.85	2797.00

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SECNO	CWSEL	EG	ELLC	ELMIN	10K+S	0
18330.000	476.13	476.66	0.00	467.30	87.05	2797.00
18330.000	476.90	477.32	0.00	467.30	60.40	2797.00
19500.000	480.35	480.41	0.00	471.20	18.54	2333.00
19500.000	480.88	480.98	0.00	471.20	17.24	2333.00
20000.000	481.40	481.68	0.00	472.90	47.82	2333.00
20000.000	482.06	482.44	0.00	472.90	51.09	2333.00
20145.000	482.06	482.20	0.00	473.40	22.78	2333.00
20145.000	482.80	483.00	0.00	473.40	23.62	2333.00
20175.000	483.23	483.30	480.50	473.40	9.70	2333.00
20175.000	483.62	483.75	480.50	473.40	14.67	2333.00
20250.000	483.31	483.48	0.00	472.80	29.23	2333.00
20250.000	483.73	484.01	0.00	472.80	37.42	2333.00
20480.000	483.76	483.81	0.00	471.40	7.84	2333.00
20480.000	484.33	484.40	0.00	471.40	8.67	2333.00
21000.000	484.27	484.38	0.00	472.90	17.72	1719.00
21000.000	484.89	485.04	0.00	472.90	19.78	1719.00
21760.000	485.89	485.99	0.00	477.80	25.67	1719.00
21760.000	486.65	486.80	0.00	477.80	27.35	1719.00
22990.000	490.22	490.39	0.00	483.00	52.65	1719.00
22990.000	490.99	491.21	0.00	483.00	48.51	1719.00
24800.000	498.33	498.50	0.00	491.80	38.58	1719.00
24800.000	498.93	499.16	0.00	491.80	39.99	1719.00
24890.000	498.65	498.84	0.00	491.00	34.96	1719.00
24890.000	499.27	499.50	0.00	491.00	34.96	1719.00
24905.000	499.37	499.49	496.20	491.10	21.58	1719.00
24905.000	499.66	499.83	496.20	491.10	25.38	1719.00
24915.000	499.41	499.51	0.00	491.20	22.66	1719.00
24915.000	499.70	499.86	0.00	491.20	28.03	1719.00
24980.000	499.56	499.67	0.00	492.10	26.42	1373.00
24980.000	499.89	500.06	0.00	492.10	32.04	1373.00
25045.000	499.72	499.94	0.00	492.00	52.61	1373.00
25045.000	500.04	500.41	0.00	492.00	68.04	1373.00
25110.000	500.05	500.44	0.00	492.90	97.30	1373.00
25110.000	500.42	501.09	0.00	492.90	124.01	1373.00
25175.000	500.69	501.22	0.00	491.80	133.33	1373.00
25175.000	501.19	502.02	0.00	491.80	151.38	1373.00
25310.000	502.65	503.36	0.00	497.00	161.45	1373.00
25310.000	503.30	504.00	0.00	497.00	138.97	1373.00

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SECNO	CWSEL	EG	ELLC	ELMIN	.10K*8	0
25600.000	507.05	507.51	0.00	501.00	114.32	1373.00
25600.000	507.31	508.00	0.00	501.00	137.42	1373.00
25890.000	510.78	511.40	0.00	505.00	155.24	1373.00
25890.000	511.31	512.00	0.00	505.00	138.38	1373.00
26200.000	515.66	516.55	0.00	509.40	172.38	1373.00
26200.000	515.93	517.07	0.00	509.40	185.27	1373.00
26800.000	524.58	525.44	0.00	517.70	128.57	1373.00
26800.000	524.88	525.72	0.00	517.70	114.48	1373.00

R NATURAL PROFILE JUN 1

SUMMARY PRINTOUT

SECNO	CWSEL	SSIA	STCHL	STCHR	ENDST	TOPWD
99850.000	396.50	979.17	1000.00	1170.00	1178.33	199.17
99850.000	396.50	979.17	1000.00	1170.00	1178.33	199.17
0.000	397.42	922.76	1000.00	1030.00	1630.15	707.39
0.000	397.53	986.00	1000.00	1030.00	1300.00	314.00
50.000	397.28	981.80	1000.00	1030.00	1493.57	511.76
50.000	397.38	986.00	1000.00	1030.00	1300.00	314.00
* 100.000	399.61	986.22	1000.00	1030.00	1394.20	407.98
* 100.000	399.58	986.29	1000.00	1030.00	1300.00	313.71
* 150.000	403.66	986.54	1000.00	1030.00	1391.38	405.04
* 150.000	403.55	986.63	1000.00	1030.00	1300.00	313.37
* 200.000	407.69	986.53	1000.00	1030.00	1586.93	400.41
* 200.000	407.72	986.46	1000.00	1030.00	1300.00	313.54
* 250.000	411.83	986.42	1000.00	1030.00	1389.51	403.02
* 250.000	411.79	986.55	1000.00	1030.00	1300.00	313.47
* 290.000	415.21	986.46	1000.00	1030.00	1388.15	401.66
* 290.000	415.20	986.50	1000.00	1030.00	1300.00	313.50
* 340.000	418.82	986.44	1000.00	1030.00	1388.20	402.40
* 340.000	418.39	986.51	1000.00	1030.00	1300.00	313.49
* 385.000	421.61	989.82	1005.00	1030.00	1093.15	103.34
* 385.000	421.62	990.00	1005.00	1030.00	1065.00	75.60
* 400.000	421.98	988.40	1005.00	1030.00	1094.50	102.32
400.000	422.05	990.00	1005.00	1030.00	1065.00	75.00
440.000	424.61	986.17	1000.00	1030.00	1519.51	501.36
440.000	425.07	990.00	1000.00	1030.00	1370.00	326.00
500.000	424.74	985.00	1000.00	1030.00	1520.50	505.87
500.000	425.19	990.00	1000.00	1030.00	1370.00	360.19
1000.000	425.18	789.27	830.00	1030.00	1275.91	436.64
1000.000	425.62	815.00	830.00	1030.00	1215.00	400.00
1520.000	425.22	722.99	790.00	1030.00	1120.45	347.46
1520.000	425.66	775.00	790.00	1030.00	1085.00	310.00
2820.000	425.25	936.04	1000.00	1040.00	1067.54	131.50
2820.000	425.63	970.00	1000.00	1040.00	1060.00	90.00
3900.000	429.15	841.87	1000.00	1030.00	1075.86	254.00
3900.000	429.53	910.00	1000.00	1030.00	1050.00	140.00
3980.000	428.59	1003.00	1003.00	1041.00	1041.00	38.00
3980.000	429.15	1003.00	1003.00	1041.00	1041.00	38.00



SECNO	CWSEL	SSTA	STCHL	TCHR	ENDST	TOPWID
4045.000	429.45	1003.00	1003.00	1041.00	1041.00	38.00
4045.000	430.04	1003.00	1003.00	1041.00	1041.00	38.00
4100.000	431.31	556.17	1000.00	1030.00	1083.29	527.13
4100.000	431.62	790.00	1000.00	1030.00	1050.00	260.00
4180.000	431.35	572.44	1000.00	1030.00	1080.95	508.51
4180.000	431.67	800.00	1000.00	1030.00	1050.00	250.00
5500.000	432.79	678.68	1000.00	1030.00	1068.85	390.15
5500.000	433.35	880.00	1000.00	1030.00	1050.00	170.00
6630.000	435.75	853.12	1000.00	1040.00	1070.68	217.56
6630.000	436.35	900.00	1000.00	1040.00	1055.00	155.00
7000.000	436.96	850.47	1000.00	1040.00	1071.65	221.18
7000.000	437.38	965.00	1000.00	1040.00	1055.00	150.00
7115.000	437.18	1000.00	1000.00	1030.00	1038.00	38.00
7115.000	437.64	1000.00	1000.00	1030.00	1038.00	38.00
7270.000	439.65	1000.00	1000.00	1030.00	1038.00	38.00
7270.000	440.10	1000.00	1000.00	1030.00	1038.00	38.00
7300.000	440.81	978.00	1000.00	1030.00	1056.88	78.88
7300.000	440.99	985.00	1000.00	1030.00	1050.00	65.00
7380.000	441.71	854.76	1000.00	1020.00	1125.66	270.90
7380.000	441.79	935.00	1000.00	1020.00	1065.00	130.00
7870.000	442.24	869.80	1000.00	1020.00	1118.98	249.18
7870.000	442.60	955.00	1000.00	1020.00	1055.00	100.00
8500.000	443.67	882.12	1000.00	1020.00	1113.50	231.38
8500.000	444.58	955.00	1000.00	1020.00	1055.00	100.00
DI 9000.000	445.57	884.86	1000.00	1023.00	1112.28	227.43
9000.000	446.53	955.00	1000.00	1023.00	1055.00	100.00
9840.000	449.70	947.87	1000.00	1032.00	1118.49	170.63
9840.000	450.31	980.00	1000.00	1032.00	1090.00	110.00
10000.000	450.88	1005.00	1005.00	1030.00	1030.00	25.00
10000.000	451.36	1005.00	1005.00	1030.00	1030.00	25.00
* 10040.000	451.78	1005.00	1005.00	1030.00	1030.00	25.00
10040.000	452.55	1005.00	1005.00	1030.00	1030.00	25.00
10100.000	454.99	902.27	1000.00	1032.00	1175.42	273.14
10100.000	455.17	985.00	1000.00	1032.00	1085.00	100.00
10380.000	455.25	908.04	1000.00	1032.00	1169.18	261.15
10380.000	455.59	985.00	1000.00	1032.00	1085.00	100.00
10470.000	454.86	1004.00	1004.00	1025.00	1025.00	21.00
10470.000	455.39	1004.00	1004.00	1025.00	1025.00	21.00

2 Oct 78 Revisión

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
10505.000	455.73	1004.00	1004.00	1025.00	1025.00	21.00
10505.000	456.33	1004.00	1004.00	1025.00	1025.00	21.00
10600.000	459.01	730.72	1000.00	1020.00	1073.61	302.89
10600.000	459.38	850.00	1000.00	1020.00	1040.00	190.00
10920.000	459.08	738.61	1000.00	1020.00	1069.39	330.78
10920.000	459.49	850.00	1000.00	1020.00	1040.00	190.00
11300.000	459.22	747.67	1000.00	1020.00	1064.56	316.89
11300.000	459.69	830.00	1000.00	1020.00	1040.00	210.00
12000.000	459.91	714.97	1000.00	1021.00	1148.23	433.26
12000.000	460.52	820.00	1000.00	1021.00	1040.00	220.00
12630.000	461.71	720.67	1000.00	1021.00	1120.74	400.07
12630.000	462.43	790.00	1000.00	1021.00	1040.00	250.00
13260.000	464.39	720.79	1000.00	1021.00	1120.17	399.38
13260.000	464.81	780.00	1000.00	1021.00	1040.00	260.00
14870.000	469.00	828.54	1000.00	1018.00	1148.59	320.05
14870.000	469.95	890.00	1000.00	1018.00	1060.00	170.00
15000.000	469.26	829.24	1000.00	1018.00	1146.97	317.73
15000.000	470.27	890.00	1000.00	1018.00	1060.00	170.00
15155.000	469.49	970.00	970.00	1040.00	1040.00	70.00
15155.000	470.61	970.00	970.00	1040.00	1040.00	70.00
15185.000	470.40	970.00	970.00	1040.00	1169.68	199.68
15185.000	471.40	970.00	970.00	1040.00	1120.00	150.00
15250.000	470.70	662.10	1000.00	1016.00	1051.75	389.65
15250.000	471.62	750.00	1000.00	1016.00	1026.00	276.00
15360.000	470.89	662.41	1000.00	1016.00	1051.69	389.28
15360.000	471.75	750.00	1000.00	1016.00	1026.00	276.00
17450.000	474.03	947.60	1000.00	1018.00	1487.18	539.58
17450.000	474.69	985.00	1000.00	1018.00	1270.00	285.00
18330.000	476.13	932.28	1000.00	1018.00	1144.66	212.38
18330.000	476.90	960.00	1000.00	1018.00	1110.00	150.00
19500.000	480.35	950.27	1000.00	1018.00	1479.22	528.94
19500.000	480.86	985.00	1000.00	1018.00	1260.00	275.00
20000.000	481.40	685.18	1000.00	1022.00	1085.18	400.00
20000.000	482.06	825.00	1000.00	1022.00	1040.00	215.00
20145.000	482.06	678.34	985.00	1020.00	1088.76	410.42
20145.000	482.80	798.00	985.00	1020.00	1038.00	240.00
20175.000	483.23	665.95	985.00	1020.00	1095.59	429.64
20175.000	483.62	798.00	985.00	1020.00	1038.00	240.00

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID
20250.000	483.31	679.91	1000.00	1022.00	1088.11	408.19
20250.000	483.73	800.00	1000.00	1022.00	1040.00	240.00
20480.000	483.76	660.49	1000.00	1022.00	1098.91	438.42
20480.000	484.33	750.00	1000.00	1022.00	1050.00	300.00
21000.000	484.27	681.29	1000.00	1022.00	1087.34	406.05
21000.000	484.89	805.00	1000.00	1022.00	1040.00	235.00
21760.000	485.89	892.28	1000.00	1017.00	1267.09	374.81
21760.000	486.65	970.00	1000.00	1017.00	1150.00	180.00
22990.000	490.22	964.11	1000.00	1017.00	1268.36	304.25
22990.000	490.99	985.00	1000.00	1017.00	1145.00	160.00
24800.000	498.33	808.44	1000.00	1020.00	1059.78	251.35
24800.000	498.93	897.00	1000.00	1020.00	1035.00	138.00
24890.000	498.65	807.58	1004.00	1018.00	1061.59	254.00
24890.000	499.27	888.00	1004.00	1018.00	1035.00	147.00
24905.000	499.37	803.13	1004.00	1018.00	1068.87	265.74
24905.000	499.66	870.00	1004.00	1018.00	1035.00	165.00
24915.000	499.41	803.61	1000.00	1020.00	1067.76	264.14
24915.000	499.70	880.00	1000.00	1020.00	1035.00	155.00
24980.000	499.56	809.03	1000.00	1020.00	1058.80	249.76
24980.000	499.89	895.00	1000.00	1020.00	1035.00	140.00
25045.000	499.72	814.33	1000.00	1020.00	1050.04	233.71
25045.000	500.04	920.00	1000.00	1020.00	1035.00	115.00
25110.000	500.05	818.38	1000.00	1020.00	1043.34	224.46
25110.000	500.42	940.00	1000.00	1020.00	1035.00	95.00
25175.000	500.69	820.25	1000.00	1020.00	1040.25	219.99
25175.000	501.19	930.00	1000.00	1020.00	1035.00	85.00
25310.000	502.05	892.30	1000.00	1010.00	1069.61	177.51
25310.000	503.30	940.00	1000.00	1010.00	1035.00	95.00
25600.000	507.05	890.41	1000.00	1010.00	1079.50	188.89
25600.000	507.51	940.00	1000.00	1010.00	1035.00	95.00
25890.000	510.76	891.66	1000.00	1010.00	1072.78	181.18
25890.000	511.51	940.00	1000.00	1010.00	1035.00	95.00
26200.000	515.66	933.86	1000.00	1010.00	1045.95	110.07
26200.000	515.93	974.00	1000.00	1010.00	1035.00	60.00
26800.000	524.58	955.67	1000.00	1010.00	1033.91	78.24
26800.000	524.86	974.00	1000.00	1010.00	1034.00	60.00

SUMMARY OF ERRORS

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

PRINTED IN U.S.A.

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

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
99850.000	199	1214	6.2	396.5	396.5	0.0
0.000	314	2754	1.4	397.5	397.4	0.1
50.000	314	1421	2.7	397.4	397.3	0.1
100.000	314	824	4.7	399.6	399.6	0.0
150.000	313	781	5.0	405.7	405.7	0.0
200.000	314	803	4.8	407.7	407.7	0.0
250.000	313	793	4.9	411.8	411.8	0.0
290.000	314	798	4.9	415.2	415.2	0.0
340.000	313	796	4.9	418.4	418.4	0.0
385.000	75	338	11.5	421.4	421.8	0.1
400.000	75	350	11.1	422.1	422.0	0.1
440.000	380	1269	3.1	425.1	424.6	0.5
500.000	380	1278	3.0	425.1	424.7	0.4
1000.000	400	4142	0.9	425.6	425.2	0.4
1520.000	310	3210	1.2	425.6	425.2	0.4
2020.000	90	712	5.4	425.6	425.2	0.4
3900.000	140	1030	3.5	429.6	429.2	0.4
3980.000	38	370	9.8	429.2	428.6	0.6
4045.000	38	377	9.6	430.1	429.5	0.6
4100.000	260	2150	1.7	431.6	431.3	0.3
4180.000	250	1979	1.8	431.7	431.4	0.3
5500.000	170	1103	3.0	435.4	432.8	0.6
6630.000	155	1019	3.2	436.4	435.8	0.6
7000.000	150	1002	3.3	437.4	437.0	0.4
7115.000	38	334	9.8	437.7	437.2	0.5
7270.000	38	387	8.5	440.0	439.6	0.4
7300.000	65	621	5.3	441.0	440.8	0.2
7380.000	130	1279	2.6	441.8	441.7	0.1
7870.000	100	908	3.6	442.6	442.2	0.4
8500.000	100	824	4.0	444.6	443.7	0.9
9000.000	100	799	4.1	446.6	445.6	1.0
9840.000	110	639	4.9	450.3	449.7	0.6
10000.000	25	257	12.1	451.4	450.9	0.5
10040.000	25	282	11.0	452.6	451.8	0.8
10100.000	100	992	3.1	455.2	455.0	0.2
10380.000	100	953	3.3	455.6	455.3	0.3
10470.000	21	264	11.8	455.4	454.9	0.5
10505.000	21	274	11.4	456.3	455.7	0.6
10600.000	190	2295	1.4	459.4	459.0	0.4
10920.000	190	2011	1.5	459.5	459.1	0.4
11300.000	210	1826	1.7	459.7	459.2	0.5
12000.000	220	1292	2.4	460.5	459.9	0.6
12630.000	250	1242	2.5	462.4	461.7	0.7
13260.000	260	1201	2.6	464.8	464.4	0.4
14870.000	170	1149	2.4	469.9	469.0	0.9
15000.000	170	1134	2.5	470.3	469.3	1.0
15155.000	70	541	5.2	470.6	469.5	1.1
15185.000	150	1036	2.7	471.4	470.4	1.0
15250.000	276	1725	1.6	471.6	470.7	0.9
15360.000	276	1710	1.6	471.8	470.9	0.9

2.067 7.8

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

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
17450.000	285	1588	1.8	474.7	474.0	0.7
18330.000	150	776	3.6	476.9	476.1	0.8
19500.000	275	1351	1.7	480.9	480.4	0.5
20000.000	215	775	3.0	482.1	481.4	0.7
20145.000	240	1020	2.3	482.8	482.1	0.7
20175.000	240	1216	1.9	483.6	483.2	0.4
20250.000	240	902	2.6	483.7	483.3	0.4
20480.000	300	1684	1.4	484.4	483.8	0.6
21000.000	235	904	1.9	484.9	484.3	0.6
21760.000	180	805	2.1	486.7	485.9	0.8
22990.000	160	650	2.6	491.0	490.2	0.8
24800.000	138	627	2.7	498.9	498.3	0.6
24890.000	147	680	2.5	499.2	498.6	0.6
24905.000	165	797	2.2	499.7	499.4	0.3
24915.000	155	745	2.3	499.7	499.4	0.3
24980.000	140	584	2.4	499.9	499.6	0.3
25045.000	115	411	3.3	500.0	499.7	0.3
25110.000	95	302	4.5	500.5	500.1	0.4
25175.000	85	266	5.2	501.2	500.7	0.5
25310.000	95	302	4.6	503.3	502.7	0.6
25600.000	95	303	4.5	507.3	507.0	0.3
25890.000	95	302	4.5	511.3	510.8	0.5
26200.000	60	218	6.3	516.0	515.7	0.3
26800.000	60	254	5.4	524.9	524.6	0.3