

-0.700 00.000  
00.000  
00.100

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

09

RUN

ROCKY  
RUN

C  
T1  
T2  
T3  
J1  
J2  
J3  
NC  
01  
X1  
GR  
GR  
GR  
01  
X1  
GR  
GR  
X1  
NC  
X1  
GR  
GR  
SB

0.000  
0.000  
0.000  
015.000  
000.000  
0.000  
0.000  
0.000  
014.000  
140.000  
0.000  
0.000  
0.000  
007.900  
0.000  
522.700

0.000 1.770 0.000 0.000 8.100 0.100 20.000 0.000 0.000

-0.700 0.000  
0.000  
1.00

\*\*\*\*\*  
HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
ERROR CORR - 01.02  
MODIFICATION - 50,51,52,53  
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Ø9  
ROCKY RUN

C  
T1 ORANGE CO FIA STUDY  
T2 ROCKY RUN  
T3 10-YR FLOOD MAR 1978 CWF

J1 ICHECK INQ NINV IDTR STRT METRIC IVINS 0 WSEL FO  
0. 2. 0. 0. 0.001000 0.00 0.0 0. 521.600 0.000

J2 NPROF IPILOT PREVS XSECV XSECH FN ALLDC IBW CHNTM ITRACE  
1.000 0.000 -1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

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

14.000 15.000 55.000 26.000 56.000 0.000 150.000 201.000 0.000 0.000  
NC 0.120 0.120 0.000 0.100 0.300 0.000 0.000 0.000 0.000 0.000  
OT 5.000 1673.000 2180.000 2310.000 2730.000 2310.000 0.000 0.000 0.000 0.000

SEVENMILE CREEK VALLEY SECTION

X1	2620.000	11.000	1000.000	1045.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	540.000	440.000	530.000	630.000	520.000	900.000	517.800	1000.000	511.700	1015.000
GR	510.800	1025.000	511.700	1035.000	517.800	1045.000	520.000	1160.000	530.000	1200.000
GR	540.000	1230.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OT	5.000	675.000	1180.000	1310.000	1730.000	1310.000	0.000	0.000	0.000	0.000

ORR- VALLEY

X1	810.000	10.000	1000.000	1027.000	2080.000	2080.000	2080.000	0.000	0.000	0.000
GR	544.400	915.000	521.000	985.000	520.200	1000.000	517.300	1003.000	517.500	1014.000
GR	518.800	1026.000	520.400	1027.000	523.200	1115.000	524.900	1131.000	542.600	1190.000

X1	1000.000	0.000	0.000	0.000	140.000	140.000	140.000	0.000	2.400	0.000
NC	0.000	0.000	0.000	0.600	0.800	0.000	0.000	0.000	0.000	0.000

ORR-2 1-85 DOWNSTREAM

X1	1245.000	9.000	1000.000	1008.000	245.000	245.000	245.000	0.000	5.500	0.000
GR	544.400	915.000	521.000	985.000	520.200	1000.000	517.300	1000.100	517.300	1007.900
GR	520.200	1008.000	523.200	1115.000	524.900	1131.000	542.600	1190.000	0.000	0.000
SB	0.000	1.770	0.000	0.000	0.100	0.100	56.000	0.000	528.000	522.700

ORR-2 1-85 UPSTREAM

X1	1000.000	0.000	0.000	0.000	140.000	140.000	140.000	0.000	2.400	0.000
NC	0.000	0.000	0.000	0.600	0.800	0.000	0.000	0.000	0.000	0.000

X1	1615.000	113.000	1000.000	1008.000	570.000	570.000	570.000	100.000	50.700	0.000
X2	0.000	0.000	1.000	135.000	580.000	0.000	0.000	0.000	0.000	0.000
GR	560.000	825.000	534.300	925.000	531.800	947.000	531.500	1000.000	528.700	1000.100
GR	528.700	1007.900	533.000	1008.000	533.000	1021.000	533.600	1036.000	536.000	1047.000
GR	552.200	1147.000	553.400	1156.000	560.000	1305.000	0.000	0.000	0.000	0.000

ORR-3 U.S. VALLEY

X1	1660.000	13.000	1000.000	1021.000	45.000	45.000	45.000	0.000	0.000	0.000
X5	3.000	0.000	541.200	540.200	555.900	0.000	0.000	0.000	0.000	0.000
GR	560.000	825.000	534.300	925.000	531.800	947.000	531.500	1000.000	528.700	1002.000
GR	528.700	1010.000	529.200	1010.000	533.000	1021.000	533.600	1036.000	536.000	1047.000
GR	552.200	1147.000	553.400	1156.000	560.000	1305.000	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	2000.000	0.000	0.000	0.000	340.000	340.000	340.000	0.000	2.200	0.000
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X1	2500.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	3.200	0.000
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X1	2700.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
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X1	3000.000	12.000	1000.000	1021.000	300.000	300.000	300.000	0.000	-1.300	0.000
GR	570.000	840.000	560.000	910.000	550.000	960.000	541.300	1000.000	539.200	1001.000
GR	538.800	1010.000	539.200	1020.000	541.500	1021.000	543.400	1100.500	550.000	1160.000
GR	560.000	1250.000	570.000	1350.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	3200.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
GR	500.000	630.000	1188.000	1512.000	2538.000	1512.000	0.000	0.000	0.000	0.000

X1	3640.000	10.000	1000.000	1021.000	440.000	440.000	440.000	0.000	0.000	0.000
GR	568.500	927.000	540.200	1000.000	542.100	1001.000	541.500	1010.000	542.100	1020.000
GR	544.400	1021.000	544.800	1027.000	545.900	1010.000	558.000	1127.000	565.700	1152.000

X1	4000.000	0.000	0.000	0.000	360.000	360.000	360.000	0.000	2.100	0.000
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X1	4300.000	0.000	0.000	0.000	300.000	300.000	300.000	0.000	1.700	0.000
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X1	4500.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.200	0.000
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X1	4800.000	0.000	0.000	0.000	300.000	300.000	300.000	0.000	1.700	0.000
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X1	5100.000	10.000	1000.000	1017.000	300.000	300.000	300.000	0.000	-3.700	0.000
GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.300	1003.000	552.800	1008.000
GR	552.900	1014.000	556.200	1017.000	557.400	1117.000	571.100	1217.000	576.100	1273.000

X1	5500.000	0.000	0.000	0.000	400.000	400.000	400.000	0.000	2.300	0.000
NC	0.000	0.000	0.000	0.900	0.600	0.000	0.000	0.000	0.000	0.000

ORR-4 VALLEY

X1	5610.000	13.000	1000.000	1023.000	110.000	110.000	110.000	0.000	-0.900	0.000
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09

GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.900	1003.000	553.200	1005.000
GR	552.800	1010.000	554.000	1015.000	554.500	1020.000	554.400	1022.900	556.400	1023.000
GR	557.400	1117.000	571.100	1217.000	576.100	1273.000	0.000	0.000	0.000	0.000
SH	0.000	1.600	2.800	0.000	12.000	0.100	113.300	1.220	552.000	551.900

X1	5630.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.100	0.000
X2	0.000	0.000	0.000	0.000	554.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	559.400	559.400	0.000
XT	10.000	817.000	574.200	0.000	917.000	565.200	0.000	949.000	560.800	0.000
Y1	1000.000	554.400	0.000	1000.100	554.400	557.800	1022.900	559.400	557.800	1023.000
Y2	559.400	0.000	1103.000	562.900	0.000	1217.000	570.200	0.000	1273.000	575.300
Y3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	5720.000	10.000	1000.000	1017.000	90.000	90.000	90.000	0.000	-0.600	0.000
GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.300	1003.000	552.800	1000.000
GR	552.900	1014.000	556.200	1017.000	557.400	1117.000	571.100	1217.000	576.100	1273.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000

ORA-5 SR 1135 (LOWER CROSSING)

X1	5820.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.600	0.000
X1	5900.000	0.000	0.000	0.000	80.000	80.000	80.000	0.000	1.300	0.000
X1	5990.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.700	0.000
X1	6000.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.700	0.000
X1	6125.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	2.000	0.000
X1	6250.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	2.000	0.000
X1	6500.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
X1	6750.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
X1	7000.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
X1	7500.000	12.000	1000.000	1016.000	500.000	500.000	500.000	0.000	-0.100	0.000
GR	613.300	767.000	601.100	867.000	592.700	930.000	591.700	967.000	589.800	1000.000
GR	988.000	1001.000	587.700	1011.000	588.000	1015.000	589.600	1016.000	602.300	1067.000
GR	612.800	1108.000	613.100	1117.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	8000.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	8.100	0.000
X1	8050.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000
X1	8100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000



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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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T1 ORANGE COUNTY FIA STUDY  
 T2 ROCKY RUN  
 T3 50-YR FLOOD MAR 1978 CWF

J1	JCHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSFL	FW
	-10.	3.	0.	0.	0.001100	0.00	0.0	0.	522.600	0.000
J2	NPRDF	IPLUT	PRFVB	XSELV	ZTECH	FW	ALLOC	IRK	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PRDF 2

CCHV= 0.100 CEHV= 0.500  
 \*SECD 2620.000

SECD	DEPTH	WSFL	CHNIM	WSELK	EG	HV	HL	LOSS	BANK	ELEV
U	QLOB	UCH	ORDH	ALOB	ACH	ARDB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLDBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

SEVENMILE CREEK VALLEY SECTION

2620.00	11.60	522.40	0.00	522.60	522.52	0.13	0.00	0.00	517.80	
2180.	366.	1429.	305.	428.	414.	414.	0.	0.	517.80	
0.00	0.26	3.45	0.93	0.120	0.060	0.120	0.000	510.80	835.24	
0.001095	0.	0.	0.	0	0	0	0.00	534.56	1169.59	

\*SECD 810.000

ORR-1 VALLY

810.00	7.78	525.08	0.00	0.00	525.22	0.14	2.69	0.00	520.20	
1180.	117.	716.	346.	92.	192.	305.	44.	120	520.40	
0.21	1.27	3.73	1.14	0.120	0.060	0.120	0.060	517.50	972.80	
0.001834	2080.	2080.	2080.	2	0	0	0.00	158.00	1131.60	

\*SECD 1000.000

1000.00	5.75	525.45	0.00	0.00	526.02	0.57	0.67	0.13	522.60	
1180.	88.	432.	160.	43.	137.	110.	46.	12.	522.80	
0.22	2.04	6.79	1.46	0.120	0.060	0.120	0.060	519.70	978.87	
0.009511	140.	140.	140.	2	0	0	0.00	131.35	1110.22	

CCHV= 0.600 CEHV= 0.800  
 \*SECD 1245.000

ORR-2 I-85 DOWNSTREAM

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

T1 ORANGE COUNTY FT STUDY  
 T2 ROCKY RUN  
 T3 100-YR FLOOD MAR 1978 CHF

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	D	WSEL	FW
	-10.	4.	0.	0.	0.001100	0.00	0.0	0.	523.000	0.000

  

J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	AN	ALLDC	IBW	CHNTM	ITRACE
	5.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 3

CCHV= 0.100 CEHV= 0.500  
 \*SECNO 2620.000

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

SEVENMILE CREEK VALLEY SECTION

2620.00	11.80	522.60	0.00	523.00	522.73	0.13	0.00	0.00	517.80
2310.	007.	1480.	423.	461.	423.	439.	0.	0.	517.80
0.00	0.88	3.50	0.96	0.120	0.060	0.120	0.000	510.80	829.81
0.001094	0.	0.	0.	0	0	4	0.00	340.59	1170.40

\*SECNO 810.000

ORR-1 VALLEY

810.00	8.02	525.52	0.00	0.00	525.47	0.15	2.74	1.01	520.20
1310.	133.	775.	402.	99.	199.	331.	47.	12.	520.40
0.20	1.34	3.90	1.22	0.120	0.060	0.120	0.060	517.30	972.97
0.001920	2080.	2080.	2080.	2	0	0	0.00	160.34	1132.41

\*SECNO 1000.000

1000.00	6.01	525.71	0.00	0.00	526.29	0.58	0.69	0.13	522.60
1310.	104.	998.	208.	49.	144.	133.	49.	13.	522.80
0.21	2.14	6.91	1.56	0.120	0.060	0.120	0.060	519.70	978.08
0.009204	140.	140.	140.	2	0	0	0.00	137.98	1116.06

CCHV= 0.600 CEHV= 0.800  
 \*SECNO 1245.000

ORR-2 1-85 DOWNSTREAM

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

T1 ORANGE COUNTY FIA STUDY  
 T2 ROCKY RUN  
 T3 500-YR FLOOD MAR 1978 CWF

J1	ICHECK	IND	NIMV	IDIR	STPT	METRIC	HVINS		WSFL	FW
	-10.	5.	0.	0.	0.001200	0.00	0.0		524.100	0.000

J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

\*PROF 4

CCHV= 0.100 CEHV= 0.500  
 \*SECNO 2620.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
0	OLDB	WCH	OROB	ALUB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMTN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	TOC	ICONT	CURAR	TOPWID	ENOST	

SEVENHILE CREEK VALLEY SECTION

2620.00	12.24	523.04	0.00	524.10	523.18	0.14	0.00	0.00	517.80	
2730.	526.	1669.	535.	538.	643.	494.	0.	0.	517.80	
0.00	0.98	3.77	1.08	0.120	0.060	0.120	0.000	510.80	818.04	
0.001146	0.	0.	0.	0	0	0	0.00	354.10	1172.14	

\*SECNO 810.000

ORR-1 VALLEY

810.00	8.76	526.06	0.00	0.00	526.24	0.18	3.05	0.00	520.20	
1730.	184.	955.	591.	120.	218.	409.	53.	12.	520.40	
0.19	1.53	4.37	1.45	0.120	0.060	0.120	0.060	517.30	969.87	
0.002123	2080.	2080.	2080.	2	0	0	0.00	164.98	1134.86	

\*SECNO 1000.000

1000.00	6.80	526.50	0.00	0.00	527.06	0.56	0.00	0.11	522.60	
1730.	156.	1178.	396.	67.	166.	206.	6.	13.	522.80	
0.20	2.33	7.11	1.92	0.120	0.060	0.120	0.160	519.70	975.72	
0.008117	190.	190.	190.	2	0	0	0.00	147.76	1127.48	

CCHV= 0.600 CEHV= 0.800  
 \*SECNO 1245.000

ORR-2 1-85 DOWNSTREAM

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 HEC2 RELEASE DATED NOV 76 UPDATED AUG 77  
 ERROR CORR - 01,02  
 MODIFICATION - 50,51,52,53  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

FLOOD MAR 1976 CWF

SUMMARY PRINTOUT

SECTNO	CNSFL	EG	ELMIN	ELLC	TOPWID
2620.000	521.67	521.76	510.80	0.00	311.82
2620.000	522.40	522.52	510.80	0.00	334.36
2620.000	522.60	522.73	510.80	0.00	340.59
2620.000	523.04	523.18	510.80	0.00	354.10
810.000	523.47	524.07	517.30	0.00	146.18
810.000	525.08	525.22	517.30	0.00	158.80
810.000	525.32	525.47	517.30	0.00	160.34
810.000	526.06	526.24	517.30	0.00	164.98
1000.000	524.26	524.74	519.70	0.00	90.31
1000.000	525.45	526.02	519.70	0.00	131.35
1000.000	525.71	526.29	519.70	0.00	137.98
1000.000	526.50	527.06	519.70	0.00	147.76
1245.000	528.03	528.69	522.80	0.00	110.80
1245.000	528.98	529.56	522.80	0.00	140.07
1245.000	529.16	529.73	522.80	0.00	142.33
1245.000	529.67	530.25	522.80	0.00	148.56
* 1615.000	532.66	533.35	528.00	535.00	96.61
1615.000	541.17	541.19	528.00	535.00	187.77
1615.000	544.19	544.20	528.00	535.00	214.19
1615.000	555.90	555.90	528.00	535.00	389.95
1660.000	533.92	534.16	528.70	0.00	109.09
* 1660.000	541.20	541.22	528.70	0.00	180.95
* 1660.000	544.20	544.21	528.70	0.00	211.14
* 1660.000	555.90	555.90	528.70	0.00	371.49
2000.000	535.90	536.26	530.90	0.00	107.45
2000.000	541.29	541.34	530.90	0.00	159.69
2000.000	544.24	544.26	530.90	0.00	189.36
2000.000	555.90	555.91	530.90	0.00	313.38
2500.000	539.22	539.49	534.10	0.00	107.84
2500.000	541.71	541.86	534.10	0.00	131.74
2500.000	544.38	544.44	534.10	0.00	158.65
2500.000	555.92	555.92	534.10	0.00	274.67

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SECNO	CWSEL	EG	ELMIN	ELLC	TOPWID
2700.000	540.50	540.77	535.40	0.00	107.56
2700.000	542.27	542.49	535.40	0.00	124.97
2700.000	544.54	544.63	535.40	0.00	147.12
2700.000	555.92	555.93	535.40	0.00	261.67
3000.000	542.49	542.84	537.50	0.00	114.86
3000.000	543.70	544.07	537.50	0.00	131.51
3000.000	545.00	545.20	537.50	0.00	149.38
3000.000	555.94	555.95	537.50	0.00	301.30
3200.000	543.88	544.20	538.80	0.00	116.20
3200.000	545.02	545.39	538.80	0.00	131.77
3200.000	545.68	545.97	538.80	0.00	140.87
3200.000	555.95	555.96	538.80	0.00	263.29
3640.000	546.69	547.03	541.50	0.00	90.53
3640.000	547.98	548.44	541.50	0.00	99.44
3640.000	548.32	548.93	541.50	0.00	101.81
3640.000	555.99	556.09	541.50	0.00	154.56
4000.000	548.90	549.21	543.60	0.00	91.30
4000.000	550.39	550.77	543.60	0.00	101.58
4000.000	551.09	551.51	543.60	0.00	106.42
4000.000	556.30	556.47	543.60	0.00	142.30
4300.000	550.61	550.92	545.30	0.00	91.39
4300.000	552.11	552.46	545.30	0.00	101.70
4300.000	552.81	553.22	545.30	0.00	106.50
4300.000	556.76	557.00	545.30	0.00	133.75
4500.000	551.76	552.08	546.50	0.00	91.02
4500.000	553.26	553.65	546.50	0.00	101.30
4500.000	553.96	554.38	546.50	0.00	106.10
4500.000	557.22	557.52	546.50	0.00	128.65
4800.000	553.52	553.82	548.20	0.00	91.42
4800.000	555.01	555.39	548.20	0.00	101.69
4800.000	555.71	556.12	548.20	0.00	106.47
4800.000	558.20	558.59	548.20	0.00	123.66
5100.000	554.98	555.13	549.10	0.00	154.28
5100.000	556.47	556.62	549.10	0.00	176.18
5100.000	557.17	557.33	549.10	0.00	186.51
5100.000	559.34	559.49	549.10	0.00	218.51
5500.000	556.72	557.01	551.40	0.00	146.14
5500.000	558.01	558.29	551.40	0.00	165.06
5500.000	558.63	558.91	551.40	0.00	174.27
5500.000	560.47	560.73	551.40	0.00	201.21
5610.000	557.48	558.03	551.90	0.00	23.00
5610.000	558.64	559.49	551.90	0.00	23.00
5610.000	559.11	560.84	551.90	0.00	23.00
5610.000	560.92	561.16	551.90	0.00	200.50

SECNO	CHSEL	EG	ELMIN	ELLC	TOPWID
5630.000	557.74	558.85	552.00	557.80	23.00
5630.000	560.52	560.60	552.00	557.80	193.26
5630.000	561.19	561.28	552.00	557.80	203.04
5630.000	562.68	562.81	552.00	557.80	224.99
5720.000	558.65	558.74	552.20	0.00	162.67
5720.000	560.64	560.72	552.20	0.00	191.95
5720.000	561.31	561.40	552.20	0.00	201.90
5720.000	562.84	562.97	552.20	0.00	224.32
5820.000	558.85	558.98	552.80	0.00	156.82
5820.000	560.78	560.89	552.80	0.00	185.16
5820.000	561.46	561.55	552.80	0.00	195.19
5820.000	563.02	563.18	552.80	0.00	218.13
5900.000	558.99	559.49	554.10	0.00	139.82
5900.000	560.92	561.16	554.10	0.00	168.10
5900.000	561.61	561.84	554.10	0.00	178.19
5900.000	563.19	563.45	554.10	0.00	201.50
5950.000	559.55	560.15	554.80	0.00	137.87
5950.000	561.13	561.49	554.80	0.00	161.02
5950.000	561.80	562.13	554.80	0.00	170.89
5950.000	563.38	563.72	554.80	0.00	194.06
6000.000	560.25	560.86	555.50	0.00	137.69
6000.000	561.48	561.98	555.50	0.00	155.84
6000.000	562.11	562.56	555.50	0.00	165.05
6000.000	563.64	564.08	555.50	0.00	187.55
6125.000	562.10	562.85	557.50	0.00	135.62
6125.000	562.99	563.83	557.50	0.00	148.59
6125.000	563.43	564.28	557.50	0.00	155.07
6125.000	564.72	565.51	557.50	0.00	170.20
6250.000	564.22	564.85	559.50	0.00	137.24
6250.000	565.25	565.89	559.50	0.00	152.29
6250.000	565.66	566.34	559.50	0.00	158.47
6250.000	566.67	567.49	559.50	0.00	173.41
6500.000	568.11	568.85	563.50	0.00	135.75
6500.000	569.05	569.83	563.50	0.00	149.64
6500.000	569.50	570.29	563.50	0.00	156.24
6500.000	570.68	571.49	563.50	0.00	173.48
6750.000	572.21	572.85	567.50	0.00	137.09
6750.000	573.18	573.86	567.50	0.00	151.57
6750.000	573.61	574.32	567.50	0.00	157.75
6750.000	574.68	575.50	567.50	0.00	173.47
7000.000	576.12	576.85	571.50	0.00	135.87
7000.000	577.08	577.84	571.50	0.00	150.01
7000.000	577.53	578.30	571.50	0.00	156.64
7000.000	578.68	579.50	571.50	0.00	173.49

SECNO	CMSFL	EG	ELMIN	ELLC	TOPWTD
7500.000	584.13	584.83	579.60	0.00	79.42
7500.000	585.29	586.15	579.60	0.00	106.32
7500.000	585.77	586.71	579.60	0.00	111.88
7500.000	586.99	588.14	579.60	0.00	125.92
8000.000	592.12	592.89	587.70	0.00	70.61
8000.000	593.39	594.25	587.70	0.00	106.44
8000.000	593.96	594.84	587.70	0.00	112.99
8000.000	595.39	596.35	587.70	0.00	129.50
8050.000	593.08	593.54	588.10	0.00	97.90
8050.000	594.34	594.89	588.10	0.00	112.80
8050.000	594.89	595.49	588.10	0.00	119.02
8050.000	596.26	597.01	588.10	0.00	134.87
8100.000	595.57	593.99	588.50	0.00	99.25
8100.000	594.86	595.36	588.50	0.00	114.10
8100.000	595.42	595.97	588.50	0.00	120.62
8100.000	596.83	597.53	588.50	0.00	137.06
8150.000	594.00	594.41	588.90	0.00	99.67
8150.000	595.31	595.80	588.90	0.00	114.84
8150.000	595.90	596.42	588.90	0.00	121.55
8150.000	597.36	598.00	588.90	0.00	138.37
8200.000	594.41	594.81	589.30	0.00	99.79
8200.000	595.74	596.21	589.30	0.00	115.10
8200.000	596.33	596.84	589.30	0.00	121.93
8200.000	597.83	598.44	589.30	0.00	139.09
9800.000	607.22	607.51	601.90	0.00	159.32
9800.000	608.32	608.61	601.90	0.00	189.99
9800.000	608.83	609.12	601.90	0.00	202.75
9800.000	610.17	610.47	601.90	0.00	235.97
11000.000	616.69	616.98	611.70	0.00	147.32
11000.000	617.61	617.93	611.70	0.00	177.40
11000.000	618.02	618.36	611.70	0.00	187.60
11000.000	619.07	619.45	611.70	0.00	213.60
12150.000	625.63	625.87	621.00	0.00	112.35
12150.000	626.75	627.04	621.00	0.00	134.65
12150.000	627.26	627.57	621.00	0.00	144.77
12150.000	628.54	628.91	621.00	0.00	170.77
12260.000	626.57	627.52	622.00	0.00	18.00
12260.000	627.60	627.91	622.00	0.00	131.97
12260.000	628.11	628.45	622.00	0.00	142.06
12260.000	629.39	629.80	622.00	0.00	167.48
12280.000	627.85	627.94	622.20	625.70	133.04
* 12280.000	628.97	629.10	622.20	625.70	155.17
* 12280.000	629.43	629.59	622.20	625.70	164.44
12280.000	630.57	630.80	622.20	625.70	192.58

STANDARD MAP COMPANY, INC.

SECNO CWSL EG ELNIN ELLC TOPNID

12310.000	627.98	628.01	622.20	0.00	131.89
12310.000	629.05	629.19	622.20	0.00	150.58
12310.000	629.53	629.69	622.20	0.00	164.30
12310.000	630.70	630.93	622.20	0.00	193.40
12500.000	628.52	628.74	623.70	0.00	114.08
12500.000	629.76	630.00	623.70	0.00	138.85
12500.000	630.30	630.56	623.70	0.00	149.58
12500.000	631.61	631.93	623.70	0.00	177.80

SUMMARY PRINTOUT

SECNO	LWSEL	BLDB	DCR	DRDB	VLOB	VCR	VRDB
2620.000	521.67	228.24	1195.49	249.27	0.72	3.13	0.77
2620.000	522.80	366.30	1428.55	385.17	0.86	3.45	0.93
2620.000	522.60	406.87	1479.90	423.23	0.88	3.50	0.96
2620.000	523.04	526.48	1668.69	534.83	0.98	3.77	1.08
810.000	525.97	59.77	467.42	147.81	0.94	2.88	0.76
810.000	525.08	117.20	716.35	346.46	1.27	3.73	1.14
810.000	525.32	132.55	775.24	402.21	1.34	3.90	1.22
810.000	526.06	183.70	955.25	591.05	1.53	4.37	1.45
1000.000	524.26	27.95	613.60	33.45	1.40	5.84	1.00
1000.000	525.45	87.91	931.69	160.40	2.04	6.79	1.46
1000.000	525.71	104.07	997.52	208.41	2.14	6.91	1.56
1000.000	526.90	155.74	1178.03	346.22	2.33	7.11	1.92
1245.000	528.03	97.63	357.69	219.68	3.00	8.60	2.26
1245.000	528.48	189.19	448.38	542.43	3.61	9.12	2.84
1245.000	529.16	209.81	466.87	633.32	3.71	9.22	3.00
1245.000	529.67	276.11	528.00	925.89	4.03	9.66	3.45
* 1615.000	532.66	337.80	330.27	6.93	3.34	8.95	1.11
1615.000	541.17	722.85	153.17	303.98	0.85	1.46	0.71
1615.000	544.19	785.93	144.56	379.51	0.61	1.12	0.55
1615.000	555.70	944.76	126.17	659.07	0.54	0.57	0.29
* 1660.000	533.92	214.16	454.46	6.38	1.53	4.73	0.67
* 1660.000	541.20	548.03	433.41	158.57	0.76	1.74	0.58
* 1660.000	544.20	662.77	426.37	220.85	0.60	1.37	0.47
* 1660.000	555.90	851.99	403.60	474.41	0.32	0.72	0.26
2000.000	535.98	207.01	463.34	4.65	1.58	4.96	0.62
2000.000	541.29	571.40	483.09	125.01	1.00	2.36	0.76
2000.000	544.24	656.87	463.76	189.35	0.76	1.74	0.59
2000.000	555.90	863.94	427.71	438.35	0.37	0.84	0.30
2500.000	534.22	208.77	461.16	5.07	1.57	4.90	0.64
2500.000	541.71	518.18	591.60	70.22	1.59	4.04	1.13
2500.000	544.38	633.63	539.58	126.79	1.13	2.67	0.86
2500.000	555.92	874.81	465.43	389.76	0.46	1.05	0.36
2700.000	540.50	207.54	462.64	4.77	1.57	4.94	0.62
2700.000	542.27	489.56	637.26	53.18	1.84	4.87	1.24
2700.000	544.54	615.71	580.72	113.57	1.35	3.26	0.91
2700.000	555.92	876.36	481.70	371.94	0.51	1.15	0.40
3000.000	542.49	16.84	524.81	133.35	1.19	5.37	1.26
3000.000	543.70	47.02	744.37	308.61	1.50	6.04	1.83
3000.000	545.00	70.76	699.00	540.22	1.23	4.64	1.58
3000.000	555.94	252.76	461.30	1015.92	0.43	1.21	0.50
3200.000	543.88	17.69	514.88	142.42	1.16	5.16	1.25
3200.000	545.02	47.28	742.29	390.43	1.49	6.00	1.82
3200.000	545.66	62.20	752.51	495.28	1.41	5.47	1.78
3200.000	555.95	239.56	486.04	1004.40	0.48	1.38	0.56

SECURITY INFORMATION

SECNO	CHSEL	OLGB	OCH	OROB	VLOB	VCH	VROR
3640.000	546.69	10.29	513.58	106.14	1.11	5.14	1.25
3640.000	547.88	33.46	817.03	337.52	1.56	6.43	2.01
3640.000	548.32	47.17	1001.80	463.03	1.85	7.46	2.42
3640.000	555.99	223.78	1074.74	1239.47	1.07	3.64	1.49
4000.000	548.90	10.94	505.12	113.94	1.08	4.94	1.24
4000.000	550.39	36.72	789.84	361.44	1.46	5.92	1.91
4000.000	551.09	55.92	938.77	517.31	1.62	6.31	2.17
4000.000	556.30	194.17	1151.51	192.32	1.29	4.47	1.80
4300.000	550.61	11.01	504.20	14.79	1.07	4.92	1.24
4300.000	552.11	36.90	768.43	62.67	1.46	5.89	1.91
4300.000	552.81	56.09	937.68	918.23	1.62	6.31	2.17
4300.000	556.76	172.26	1217.51	1154.23	1.49	5.26	2.09
4500.000	551.76	10.70	508.13	111.16	1.09	5.01	1.25
4500.000	553.26	36.30	793.25	354.46	1.47	5.96	1.92
4500.000	553.96	55.33	942.67	513.99	1.63	6.40	2.19
4500.000	557.22	158.65	1263.75	1115.61	1.64	5.85	2.29
4800.000	553.52	11.04	503.88	115.08	1.07	4.91	1.24
4800.000	555.01	36.89	788.55	362.56	1.46	5.89	1.91
4800.000	555.71	56.02	938.10	517.87	1.62	6.32	2.17
4800.000	558.20	144.90	1315.52	1077.38	1.01	6.55	2.52
5100.000	554.98	57.94	362.84	209.22	1.10	4.07	1.08
5100.000	556.47	132.42	518.17	537.41	1.29	4.53	1.40
5100.000	557.17	181.07	598.65	732.28	1.37	4.74	1.63
5100.000	559.34	363.47	804.38	1370.14	1.40	4.92	1.85
5500.000	556.72	52.57	417.20	160.23	1.37	5.23	1.20
5500.000	558.01	121.15	587.81	479.04	1.51	5.78	1.74
5500.000	558.63	166.13	672.77	673.11	1.70	5.99	1.93
5500.000	560.47	332.25	896.78	1308.97	1.05	6.25	2.26
5610.000	557.88	0.00	630.00	0.00	0.00	5.96	0.00
5610.000	558.64	0.00	1188.00	0.00	0.00	8.96	0.00
5610.000	559.11	0.00	1512.00	0.00	0.00	10.55	0.00
5610.000	560.92	314.88	1085.17	1137.95	1.78	5.87	2.13
5630.000	557.74	0.00	630.00	0.00	0.00	5.75	0.00
5630.000	560.52	140.96	532.34	514.70	0.92	3.07	1.09
5630.000	561.19	190.40	636.56	685.03	1.02	3.37	1.23
5630.000	562.68	358.44	951.29	1228.27	1.31	4.26	1.63
5720.000	558.65	62.90	321.49	245.61	0.90	3.25	0.96
5720.000	560.64	147.27	449.69	591.04	0.99	3.34	1.19
5720.000	561.31	198.70	531.71	781.59	1.09	3.69	1.33
5720.000	562.84	373.50	779.05	1385.45	1.38	4.58	1.74
5820.000	558.85	59.49	349.02	221.50	1.03	3.79	1.04
5820.000	560.78	141.01	475.90	571.09	1.10	3.81	1.30
5820.000	561.46	191.16	558.13	762.71	1.20	4.09	1.45
5820.000	563.02	362.81	806.12	1369.07	1.49	4.95	1.86

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SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
5900.000	558.99	47.68	472.32	110.00	1.65	6.52	1.23
5900.000	560.92	124.31	566.40	497.29	1.51	5.39	1.66
5900.000	561.61	171.02	646.32	694.66	1.58	5.53	1.82
5900.000	563.19	332.79	894.99	1310.23	1.84	6.23	2.25
5950.000	559.55	45.96	491.83	92.21	1.75	7.01	1.21
5950.000	561.13	116.83	619.83	451.34	1.76	6.39	1.85
5950.000	561.80	161.83	697.99	652.18	1.82	6.44	2.03
5950.000	563.38	318.70	944.99	1274.30	2.05	6.99	2.47
6000.000	560.25	45.80	493.62	90.57	1.76	7.05	1.21
6000.000	561.48	111.06	667.92	409.01	1.99	7.34	1.99
6000.000	562.11	154.18	748.19	609.62	2.05	7.36	2.21
6000.000	563.64	306.00	995.98	1236.02	2.27	7.80	2.64
6125.000	562.10	43.80	515.47	70.72	1.88	7.62	1.17
6125.000	562.99	102.33	752.55	333.12	2.41	9.11	2.20
6125.000	563.43	140.23	860.16	511.61	2.58	9.55	2.57
6125.000	564.72	278.72	1130.04	1129.23	2.86	10.07	3.24
6250.000	564.22	45.38	498.35	86.27	1.79	7.17	1.20
6250.000	565.25	106.90	706.48	374.61	2.18	8.13	2.10
6250.000	565.86	145.14	817.55	549.31	2.38	8.70	2.44
6250.000	566.67	277.05	1139.60	1121.35	2.90	10.24	3.28
6500.000	568.11	43.93	514.07	71.99	1.87	7.59	1.17
6500.000	569.05	103.66	738.80	345.54	2.34	8.82	2.17
6500.000	569.50	141.94	844.88	525.18	2.51	9.24	2.52
6500.000	570.68	277.18	1138.83	1121.99	2.90	10.23	3.28
6750.000	572.21	45.24	499.88	84.88	1.80	7.21	1.20
6750.000	573.18	106.04	714.90	367.06	2.22	8.31	2.12
6750.000	573.61	144.11	826.14	541.74	2.42	8.87	2.47
6750.000	574.68	277.17	1138.89	1121.94	2.90	10.23	3.28
7000.000	576.12	44.06	512.78	73.17	1.87	7.55	1.17
7000.000	577.08	104.12	734.07	349.81	2.31	8.71	2.16
7000.000	577.53	142.51	839.87	529.62	2.48	9.14	2.51
7000.000	578.68	277.21	1138.63	1122.15	2.90	10.22	3.28
7500.000	584.13	100.38	504.61	25.00	1.85	7.40	1.79
7500.000	585.29	340.14	779.81	68.05	2.57	4.01	2.37
7500.000	585.77	498.64	917.68	95.68	2.94	9.74	2.62
7500.000	586.99	1038.83	1304.81	194.36	3.83	11.47	3.22
8000.000	592.12	92.17	514.19	23.64	1.90	7.76	1.86
8000.000	593.39	341.42	778.35	68.22	2.56	8.96	2.36
8000.000	593.96	510.35	904.25	97.40	2.88	9.44	2.55
8000.000	595.39	1077.33	1258.47	202.20	3.60	10.60	3.00
8050.000	593.08	131.82	468.29	29.89	1.61	6.21	1.56
8050.000	594.34	398.45	712.25	76.30	2.27	7.45	2.01
8050.000	594.89	566.75	838.93	106.32	2.58	8.05	2.22
8050.000	596.26	1127.83	1196.67	213.50	3.30	9.48	2.71

SECNO	CWSEL	QLDB	QCH	QROB	VLOH	VCH	VRDB
8100.000	593.57	138.01	461.30	30.69	1.57	6.01	1.52
8100.000	594.86	409.83	700.31	77.86	2.22	7.19	1.95
8100.000	595.42	579.89	823.53	108.56	2.50	7.74	2.14
8100.000	596.85	1146.33	1173.69	217.98	3.19	9.08	2.61
8150.000	594.00	140.74	458.22	31.04	1.56	5.93	1.50
8150.000	595.31	415.42	693.75	78.73	2.19	7.05	1.92
8150.000	595.90	587.20	814.94	109.86	2.46	7.57	2.10
8150.000	597.36	1156.67	1160.51	220.62	3.12	8.85	2.55
8200.000	594.41	141.54	457.32	31.14	1.55	5.90	1.50
8200.000	595.74	417.51	691.45	79.04	2.18	7.00	1.90
8200.000	596.33	596.17	811.44	110.40	2.45	7.50	2.08
8200.000	597.87	1162.50	1153.85	222.06	3.09	8.73	2.52
9800.000	607.29	217.89	384.29	27.82	1.39	5.42	1.10
9800.000	608.31	564.13	538.03	85.84	1.90	6.08	1.42
9800.000	608.83	771.01	614.08	126.90	2.09	6.35	1.54
9800.000	611.17	1431.18	824.93	281.88	2.52	6.98	1.83
11000.000	616.69	144.78	344.53	17.69	1.21	5.24	0.99
11000.000	617.61	410.55	493.82	57.63	1.78	6.14	1.36
11000.000	618.02	572.44	567.77	85.79	2.01	6.53	1.51
11000.000	619.07	1100.64	774.48	192.87	2.55	7.47	1.87
12150.000	625.63	9.23	305.13	193.64	0.99	4.92	1.47
12150.000	626.75	29.10	465.31	467.59	1.37	5.83	1.96
12150.000	627.26	44.50	548.44	633.06	1.52	6.24	2.16
12150.000	628.54	104.96	786.18	1176.85	1.91	7.25	2.62
12260.000	626.57	0.00	587.00	10.00	0.00	7.83	0.00
12260.000	627.60	25.39	497.30	439.31	1.39	5.98	2.00
12260.000	628.11	39.38	587.97	598.65	1.54	6.37	2.19
12260.000	629.39	94.13	850.64	1123.23	1.91	7.37	2.64
12280.000	627.85	13.69	259.88	233.43	0.72	3.09	1.04
* 12280.000	628.97	37.73	424.02	500.25	1.02	4.07	1.44
* 12280.000	629.43	53.94	512.60	659.87	1.17	4.59	1.63
12280.000	630.57	123.03	769.69	1175.28	1.64	5.78	2.11
12310.000	627.92	14.40	252.36	240.24	0.74	3.23	1.07
12310.000	629.05	40.22	404.17	517.61	1.05	4.19	1.46
12310.000	629.55	57.71	485.35	682.95	1.20	4.67	1.67
12310.000	630.70	132.54	718.51	1216.96	1.67	5.85	2.14
12500.000	628.52	8.72	300.73	197.56	0.96	4.70	1.41
12500.000	629.76	31.40	452.29	478.31	1.28	5.40	1.83
12500.000	630.30	47.73	532.89	645.39	1.43	5.77	2.01
12500.000	631.61	113.74	765.79	1188.48	1.84	6.76	2.45

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	W	CWSEL	CRWS	EG	10K*9	VCH	AREA	.01K
2620.000	0.00	0.00	0.00	510.80	1673.00	521.67	0.00	521.78	10.09	3.13	1020.65	526.65
2620.000	0.00	0.00	0.00	510.80	2180.00	522.40	0.00	522.52	10.95	3.49	1255.55	630.73
2620.000	0.00	0.00	0.00	510.80	2310.00	522.60	0.00	522.73	10.94	3.50	1323.43	698.50
2620.000	0.00	0.00	0.00	510.80	2730.00	523.04	0.00	523.18	11.96	3.77	1414.77	789.50
810.000	2080.00	0.00	0.00	517.30	675.00	523.97	0.00	524.07	13.70	2.88	420.21	182.34
810.000	2080.00	0.00	0.00	517.30	1180.00	525.08	0.00	525.22	14.34	3.75	589.20	275.56
810.000	2080.00	0.00	0.00	517.30	1310.00	525.32	0.00	525.47	14.20	3.90	624.87	290.99
810.000	2080.00	0.00	0.00	517.30	1730.00	526.06	0.00	526.24	21.23	4.97	747.49	375.49
1000.000	190.00	0.00	0.00	519.70	675.00	524.26	0.00	524.74	100.56	5.84	158.29	67.31
1000.000	190.00	0.00	0.00	519.70	1180.00	525.45	0.00	526.02	45.11	6.74	240.43	120.99
1000.000	190.00	0.00	0.00	519.70	1310.00	525.71	0.00	526.29	92.04	6.91	326.31	136.55
1000.000	190.00	0.00	0.00	519.70	1730.00	526.50	0.00	527.06	81.17	7.91	438.94	192.02
1245.000	245.00	0.00	0.00	522.80	675.00	528.03	0.00	528.69	272.85	8.48	171.17	40.92
1245.000	245.00	0.00	0.00	522.80	1180.00	528.98	0.00	529.56	244.53	9.12	242.36	75.46
1245.000	245.00	0.00	0.00	522.80	1310.00	529.16	0.00	529.73	240.48	9.22	318.32	84.48
1245.000	245.00	0.00	0.00	522.80	1730.00	529.67	0.00	530.25	238.43	9.66	391.38	112.04
1615.000	370.00	580.00	535.00	528.00	675.00	532.66	0.00	533.35	389.97	8.95	144.22	30.18
1615.000	370.00	580.00	535.00	528.00	1180.00	541.17	0.00	541.19	2.16	1.46	1381.76	737.16
1615.000	370.00	580.00	535.00	528.00	1310.00	544.19	0.00	544.20	1.14	1.12	1995.13	1224.53
1615.000	370.00	580.00	535.00	528.00	1730.00	555.90	0.00	555.90	0.14	0.57	5325.82	4592.91
1660.000	45.00	0.00	0.00	528.70	675.00	533.92	0.00	534.16	57.59	4.73	245.51	86.95
1660.000	45.00	0.00	0.00	528.70	1180.00	541.20	0.00	541.22	2.19	1.74	1299.43	797.33
1660.000	45.00	0.00	0.00	528.70	1310.00	544.20	0.00	544.21	1.00	1.37	1887.56	1310.38
1660.000	45.00	0.00	0.00	528.70	1730.00	555.90	0.00	555.90	0.13	0.72	5102.90	4813.15
2000.000	340.00	0.00	0.00	530.90	675.00	535.94	0.00	536.26	65.56	4.96	232.18	83.36
2000.000	340.00	0.00	0.00	530.90	1180.00	541.29	0.00	541.34	9.23	2.36	939.69	515.82
2000.000	340.00	0.00	0.00	530.90	1310.00	544.24	0.00	544.26	2.00	1.74	1454.31	926.74
2000.000	340.00	0.00	0.00	530.90	1730.00	555.90	0.00	555.91	0.19	0.84	4351.13	3433.40
2500.000	500.00	0.00	0.00	534.10	675.00	539.22	0.00	539.49	63.53	4.90	235.36	84.69
2500.000	500.00	0.00	0.00	534.10	1180.00	541.71	0.00	541.86	24.01	4.04	534.96	240.80
2500.000	500.00	0.00	0.00	534.10	1310.00	544.38	0.00	544.44	6.77	2.67	923.17	503.63
2500.000	500.00	0.00	0.00	534.10	1730.00	555.92	0.00	555.92	0.37	1.05	3420.91	2860.28
2700.000	200.00	0.00	0.00	535.40	675.00	540.50	0.00	540.77	64.95	4.94	233.13	83.76
2700.000	200.00	0.00	0.00	535.40	1180.00	542.27	0.00	542.49	40.51	4.87	440.09	185.39
2700.000	200.00	0.00	0.00	535.40	1310.00	544.54	0.00	544.63	11.95	3.26	748.02	378.99
2700.000	200.00	0.00	0.00	535.40	1730.00	555.92	0.00	555.93	0.48	1.15	3074.61	2488.45
3000.000	300.00	0.00	0.00	537.50	675.00	542.49	0.00	542.84	71.56	5.37	217.67	79.79
3000.000	300.00	0.00	0.00	537.50	1180.00	543.70	0.00	543.87	66.40	6.04	367.54	144.81
3000.000	300.00	0.00	0.00	537.50	1310.00	545.00	0.00	545.20	30.00	4.64	550.85	239.19
3000.000	300.00	0.00	0.00	537.50	1730.00	555.94	0.00	555.95	0.60	1.21	3010.46	2238.40
3200.000	200.00	0.00	0.00	538.80	675.00	543.88	0.00	544.20	64.25	5.16	229.00	84.21
3200.000	200.00	0.00	0.00	538.80	1180.00	545.02	0.00	545.39	65.33	6.00	370.03	143.99
3200.000	200.00	0.00	0.00	538.80	1310.00	545.68	0.00	545.97	47.02	5.4	460.64	191.05
3200.000	200.00	0.00	0.00	538.80	1730.00	555.95	0.00	555.96	0.85	1.8	2634.51	1874.02

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CNSL	CRWS	EG	10K+S	VCH	AREA	.01K
3640.000	440.00	0.00	0.00	541.50	630.00	546.69	0.00	547.03	64.01	5.14	195.77	78.75
3640.000	440.00	0.00	0.00	541.50	1188.00	547.98	0.00	548.48	72.65	4.43	316.60	139.38
3640.000	440.00	0.00	0.00	541.50	1512.00	548.32	0.00	548.93	90.86	3.46	351.14	158.62
3640.000	440.00	0.00	0.00	541.50	2538.00	555.99	0.00	556.09	7.57	3.64	1332.82	922.47
4000.000	360.00	0.00	0.00	543.60	630.00	548.90	0.00	549.21	57.31	4.94	203.91	83.22
4000.000	360.00	0.00	0.00	543.60	1188.00	550.39	0.00	550.77	57.46	5.92	347.80	156.73
4000.000	360.00	0.00	0.00	543.60	1512.00	551.09	0.00	551.51	57.24	6.33	420.83	194.84
4000.000	360.00	0.00	0.00	543.60	2538.00	556.30	0.00	556.47	13.65	4.47	1068.63	686.76
4300.000	300.00	0.00	0.00	545.30	630.00	550.61	0.00	550.92	56.62	4.92	205.04	83.72
4300.000	300.00	0.00	0.00	545.30	1188.00	552.11	0.00	552.48	56.75	5.89	349.53	157.71
4300.000	300.00	0.00	0.00	545.30	1512.00	552.81	0.00	553.22	56.77	6.31	422.20	200.68
4300.000	300.00	0.00	0.00	545.30	2538.00	556.76	0.00	557.00	21.77	5.26	897.41	543.97
4500.000	200.00	0.00	0.00	546.50	630.00	551.76	0.00	552.08	59.63	5.01	200.24	81.59
4500.000	200.00	0.00	0.00	546.50	1188.00	553.26	0.00	553.65	59.21	5.98	343.67	154.39
4500.000	200.00	0.00	0.00	546.50	1512.00	553.96	0.00	554.38	58.99	6.40	415.97	196.87
4500.000	200.00	0.00	0.00	546.50	2538.00	557.22	0.00	557.52	29.57	5.85	800.26	466.75
4800.000	300.00	0.00	0.00	548.20	630.00	553.52	0.00	553.82	56.38	4.91	205.44	83.90
4800.000	300.00	0.00	0.00	548.20	1188.00	555.01	0.00	555.39	56.81	5.89	349.38	157.62
4800.000	300.00	0.00	0.00	548.20	1512.00	555.71	0.00	556.12	56.95	6.32	421.67	200.36
4800.000	300.00	0.00	0.00	548.20	2538.00	558.20	0.00	558.59	40.87	6.55	708.81	396.98
5100.000	300.00	0.00	0.00	549.10	630.00	554.98	0.00	555.13	54.07	4.07	335.41	107.94
5100.000	300.00	0.00	0.00	549.10	1188.00	556.47	0.00	556.62	30.21	4.53	581.42	216.14
5100.000	300.00	0.00	0.00	549.10	1512.00	557.17	0.00	557.33	28.98	4.74	708.71	280.89
5100.000	300.00	0.00	0.00	549.10	2538.00	559.34	0.00	559.49	22.24	4.92	1149.31	538.21
5500.000	400.00	0.00	0.00	551.40	630.00	556.72	0.00	557.01	65.31	5.23	252.88	77.95
5500.000	400.00	0.00	0.00	551.40	1188.00	558.01	0.00	558.29	57.82	5.78	452.13	156.24
5500.000	400.00	0.00	0.00	551.40	1512.00	558.63	0.00	558.91	54.36	5.99	558.51	205.08
5500.000	400.00	0.00	0.00	551.40	2538.00	560.47	0.00	560.73	42.71	6.25	902.47	388.37
5610.000	110.00	0.00	0.00	551.90	630.00	557.48	0.00	558.03	96.41	5.96	105.78	64.16
5610.000	110.00	0.00	0.00	551.90	1188.00	558.64	0.00	559.89	170.36	8.98	132.32	91.02
5610.000	110.00	0.00	0.00	551.90	1512.00	559.11	0.00	560.84	215.62	10.55	143.33	102.97
5610.000	110.00	0.00	0.00	551.90	2538.00	560.92	0.00	561.18	39.81	5.87	895.47	402.27
5630.000	20.00	559.40	557.80	552.00	630.00	557.74	0.00	558.25	66.42	5.75	109.52	67.77
5630.000	20.00	559.40	557.80	552.00	1188.00	560.52	0.00	560.60	11.83	3.07	798.57	345.45
5630.000	20.00	559.40	557.80	552.00	1512.00	561.19	0.00	561.28	12.76	3.37	930.37	423.30
5630.000	20.00	559.40	557.80	552.00	2538.00	562.68	0.00	562.81	16.33	4.26	1249.67	628.07
5720.000	40.00	0.00	0.00	552.20	630.00	558.65	0.00	558.74	18.96	3.25	425.76	144.68
5720.000	40.00	0.00	0.00	552.20	1188.00	560.64	0.00	560.72	13.91	3.39	778.72	318.57
5720.000	40.00	0.00	0.00	552.20	1512.00	561.31	0.00	561.40	14.74	3.69	911.84	393.84
5720.000	40.00	0.00	0.00	552.20	2538.00	562.84	0.00	562.97	18.24	4.58	1236.76	594.28
5820.000	100.00	0.00	0.00	552.80	630.00	558.85	0.00	558.98	28.30	3.79	362.22	118.42
5820.000	100.00	0.00	0.00	552.80	1188.00	560.78	0.00	560.89	19.08	3.81	691.73	271.97
5820.000	100.00	0.00	0.00	552.80	1512.00	561.46	0.00	561.58	19.52	4.09	821.40	342.20
5820.000	100.00	0.00	0.00	552.80	2538.00	563.02	0.00	563.18	22.53	4.95	1143.68	534.65

SECNO	XLCH	ELTRD	ELLC	ELMIN	U	CWSEL	CRWS	EG	10K+S	VCH	AREA	01K
5900.000	80.00	0.00	0.00	554.10	630.00	558.99	0.00	559.49	115.30	6.52	190.85	58.67
5900.000	80.00	0.00	0.00	554.10	1188.00	560.92	0.00	561.16	47.99	5.39	486.81	171.58
5900.000	80.00	0.00	0.00	554.10	1512.00	561.61	0.00	561.84	43.96	5.53	605.62	228.85
5900.000	80.00	0.00	0.00	554.10	2538.00	563.19	0.00	563.45	42.21	6.23	906.41	390.65
5950.000	50.00	0.00	0.00	554.80	630.00	559.55	559.40	560.15	138.93	7.01	172.41	53.45
5950.000	50.00	0.00	0.00	554.80	1188.00	561.13	0.00	561.49	75.21	6.39	407.61	136.99
5950.000	50.00	0.00	0.00	554.80	1512.00	561.80	0.00	562.13	65.83	6.44	518.97	186.36
5950.000	50.00	0.00	0.00	554.80	2538.00	563.38	0.00	563.72	57.80	6.99	806.40	333.84
6000.000	50.00	0.00	0.00	555.50	630.00	560.25	560.10	560.86	141.29	7.09	170.78	53.00
6000.000	50.00	0.00	0.00	555.50	1188.00	561.48	0.00	561.98	108.01	7.34	351.82	114.31
6000.000	50.00	0.00	0.00	555.50	1512.00	562.11	0.00	562.56	93.71	7.36	432.34	156.20
6000.000	50.00	0.00	0.00	555.50	2538.00	563.64	0.00	564.08	77.71	7.80	721.95	287.91
6125.000	125.00	0.00	0.00	557.50	630.00	562.10	562.10	562.85	173.07	7.62	151.49	47.89
6125.000	125.00	0.00	0.00	557.50	1188.00	562.99	0.00	563.83	189.23	9.11	276.78	86.36
6125.000	125.00	0.00	0.00	557.50	1512.00	563.43	0.00	564.28	185.08	9.55	343.70	111.14
6125.000	125.00	0.00	0.00	557.50	2538.00	564.72	0.00	565.51	153.69	10.07	557.82	204.72
6250.000	125.00	0.00	0.00	559.50	630.00	564.22	564.12	564.85	147.70	7.17	166.50	51.84
6250.000	125.00	0.00	0.00	559.50	1188.00	565.25	0.00	565.89	140.93	8.13	314.64	100.07
6250.000	125.00	0.00	0.00	559.50	1512.00	565.66	0.00	566.34	145.00	8.70	379.97	123.56
6250.000	125.00	0.00	0.00	559.50	2538.00	566.67	0.00	567.49	160.62	10.24	548.49	200.26
6500.000	250.00	0.00	0.00	563.50	630.00	568.11	568.11	568.85	170.85	7.54	152.70	48.20
6500.000	250.00	0.00	0.00	563.50	1188.00	569.05	0.00	569.83	173.71	8.82	287.44	90.14
6500.000	250.00	0.00	0.00	563.50	1512.00	569.50	0.00	570.29	169.89	9.24	356.12	116.00
6500.000	250.00	0.00	0.00	563.50	2538.00	570.68	0.00	571.49	160.05	10.23	549.24	200.62
6750.000	250.00	0.00	0.00	567.50	630.00	572.21	572.12	572.85	149.83	7.21	165.13	51.47
6750.000	250.00	0.00	0.00	567.50	1188.00	573.18	0.00	573.86	148.99	8.31	307.24	97.33
6750.000	250.00	0.00	0.00	567.50	1512.00	573.61	0.00	574.32	152.32	8.87	372.22	122.43
6750.000	250.00	0.00	0.00	567.50	2538.00	574.68	0.00	575.50	160.09	10.23	549.18	200.59
7000.000	250.00	0.00	0.00	571.50	630.00	576.12	576.11	576.85	168.83	7.55	153.81	48.49
7000.000	250.00	0.00	0.00	571.50	1188.00	577.08	0.00	577.84	168.60	8.71	291.22	91.49
7000.000	250.00	0.00	0.00	571.50	1512.00	577.53	0.00	578.30	165.11	9.16	360.33	117.67
7000.000	250.00	0.00	0.00	571.50	2538.00	578.68	0.00	579.50	159.91	10.22	549.43	200.71
7500.000	500.00	0.00	0.00	579.60	630.00	584.13	0.00	584.83	150.82	7.40	136.44	51.30
7500.000	500.00	0.00	0.00	579.60	1188.00	585.29	0.00	586.15	162.71	9.01	247.69	93.13
7500.000	500.00	0.00	0.00	579.60	1512.00	585.77	0.00	586.71	169.40	9.74	300.42	116.17
7500.000	500.00	0.00	0.00	579.60	2538.00	586.99	0.00	588.14	182.98	11.47	445.34	187.62
8000.000	500.00	0.00	0.00	587.70	630.00	592.12	0.00	592.84	171.86	7.76	127.46	48.06
8000.000	500.00	0.00	0.00	587.70	1188.00	593.39	0.00	594.25	161.01	8.98	248.86	93.62
8000.000	500.00	0.00	0.00	587.70	1512.00	593.96	0.00	594.84	155.81	9.44	311.27	121.13
8000.000	500.00	0.00	0.00	587.70	2538.00	595.39	0.00	596.35	147.57	10.60	485.07	208.93
8050.000	50.00	0.00	0.00	588.10	630.00	593.06	0.00	593.54	92.91	6.21	176.44	65.36
8050.000	50.00	0.00	0.00	588.10	1188.00	594.34	0.00	594.89	47.56	7.45	304.41	120.28
8050.000	50.00	0.00	0.00	588.10	1512.00	594.89	0.00	595.49	101.41	8.05	372.03	150.15
8050.000	50.00	0.00	0.00	588.10	2538.00	596.26	0.00	597.01	108.91	9.48	546.68	243.19

SECNO	XLCH	ELTRD	ELLC	ELMTN	0	CWSEL	CRWS	EG	10K*8	VCH	AREA	.01K
8100.000	50.00	0.00	0.00	588.50	630.00	593.37	0.00	593.99	85.07	6.01	184.61	68.30
8100.000	50.00	0.00	0.00	588.50	1188.00	594.86	0.00	595.36	88.61	7.19	322.21	126.20
8100.000	50.00	0.00	0.00	588.50	1512.00	595.42	0.00	595.97	91.09	7.74	388.66	158.43
8100.000	50.00	0.00	0.00	588.50	2538.00	596.85	0.00	597.53	96.76	9.08	572.59	258.02
8150.000	50.00	0.00	0.00	588.90	630.00	594.00	0.00	594.41	81.84	5.93	188.24	69.64
8150.000	50.00	0.00	0.00	588.90	1188.00	595.31	0.00	595.80	83.98	7.05	329.53	129.64
8150.000	50.00	0.00	0.00	588.90	1512.00	595.90	0.00	596.42	85.69	7.57	398.39	163.33
8150.000	50.00	0.00	0.00	588.90	2538.00	597.36	0.00	598.00	90.28	8.85	588.28	267.11
8200.000	50.00	0.00	0.00	589.30	630.00	594.41	0.00	594.81	80.43	5.90	189.31	70.03
8200.000	50.00	0.00	0.00	589.30	1188.00	595.74	0.00	596.21	82.40	7.00	332.15	130.87
8200.000	50.00	0.00	0.00	589.30	1512.00	596.33	0.00	596.84	83.57	7.50	402.46	165.40
8200.000	50.00	0.00	0.00	589.30	2538.00	597.83	0.00	598.44	86.95	8.73	596.95	272.17
9800.000	1600.00	0.00	0.00	601.90	630.00	607.22	0.00	607.51	77.66	5.42	253.10	71.49
9800.000	1600.00	0.00	0.00	601.90	1188.00	608.32	0.00	608.61	72.75	6.08	446.49	139.28
9800.000	1600.00	0.00	0.00	601.90	1512.00	608.83	0.00	609.12	70.50	6.35	547.35	180.07
9800.000	1600.00	0.00	0.00	601.90	2538.00	610.17	0.00	610.47	69.38	6.98	640.61	313.88
11000.000	1200.00	0.00	0.00	611.70	507.00	616.69	0.00	616.98	90.56	5.24	203.00	56.49
11000.000	1200.00	0.00	0.00	611.70	962.00	617.61	0.00	617.93	84.40	6.14	353.43	104.71
11000.000	1200.00	0.00	0.00	611.70	1226.00	618.02	0.00	618.36	85.90	6.53	428.32	132.28
11000.000	1200.00	0.00	0.00	611.70	2068.00	619.07	0.00	619.45	88.89	7.47	638.25	219.35
12150.000	1150.00	0.00	0.00	621.00	507.00	625.63	0.00	625.87	74.11	4.92	202.32	58.89
12150.000	1150.00	0.00	0.00	621.00	962.00	626.75	0.00	627.04	74.32	5.83	339.74	111.59
12150.000	1150.00	0.00	0.00	621.00	1226.00	627.26	0.00	627.57	74.87	6.24	410.27	141.68
12150.000	1150.00	0.00	0.00	621.00	2068.00	628.54	0.00	628.91	76.38	7.25	612.74	236.62
12260.000	110.00	0.00	0.00	622.00	507.00	626.57	0.00	627.52	216.48	7.83	64.78	34.46
12260.000	110.00	0.00	0.00	622.00	962.00	627.60	0.00	627.91	82.49	5.98	321.51	105.92
12260.000	110.00	0.00	0.00	622.00	1226.00	628.11	0.00	628.45	81.42	6.37	391.20	135.87
12260.000	110.00	0.00	0.00	622.00	2068.00	629.39	0.00	629.80	81.03	7.37	589.63	229.74
12280.000	20.00	627.00	625.70	622.20	507.00	627.85	0.00	627.94	21.67	3.09	320.67	108.92
* 12280.000	20.00	627.00	625.70	622.20	962.00	628.97	0.00	629.10	28.26	4.07	489.50	180.95
* 12280.000	20.00	627.00	625.70	622.20	1226.00	629.43	0.00	629.59	31.90	4.55	564.16	217.08
12280.000	20.00	627.00	625.70	622.20	2068.00	630.57	0.00	630.80	41.24	5.78	766.27	322.02
12310.000	30.00	0.00	0.00	622.20	507.00	627.92	0.00	628.01	25.48	3.23	321.94	104.62
12310.000	30.00	0.00	0.00	622.20	962.00	629.05	0.00	629.19	29.99	4.19	484.81	175.65
12310.000	30.00	0.00	0.00	622.20	1226.00	629.53	0.00	629.69	33.50	4.67	561.36	211.83
12310.000	30.00	0.00	0.00	622.20	2068.00	630.70	0.00	630.93	42.26	5.85	770.17	310.12
12500.000	190.00	0.00	0.00	623.70	507.00	628.52	0.00	628.74	65.10	4.70	212.69	62.84
12500.000	190.00	0.00	0.00	623.70	962.00	629.76	0.00	630.00	60.00	5.40	368.98	124.20
12500.000	190.00	0.00	0.00	623.70	1226.00	630.30	0.00	630.56	60.20	5.77	446.17	158.02
12500.000	190.00	0.00	0.00	623.70	2068.00	631.61	0.00	631.93	62.78	6.76	659.98	261.00

SUMMARY PRINTOUT TABLE 150

SECNO	D	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLEN
2620.000	1673.00	521.67	0.00	0.00	0.07	311.82	0.00
2620.000	2180.00	522.40	0.73	0.00	-0.20	334.36	0.00
2620.000	2310.00	522.60	0.20	0.00	-0.40	340.59	0.00
2620.000	2730.00	523.04	0.44	0.00	-1.06	354.10	0.00
810.000	675.00	523.97	0.00	2.30	0.00	146.18	2080.00
810.000	1180.00	525.08	1.11	2.68	0.00	158.80	2080.00
810.000	1310.00	525.32	0.24	2.72	0.00	160.34	2080.00
810.000	1730.00	526.06	0.73	3.02	0.00	164.98	2080.00
1000.000	675.00	524.26	0.00	0.28	0.00	90.31	190.00
1000.000	1180.00	525.45	1.19	0.37	0.00	131.35	190.00
1000.000	1310.00	525.71	0.26	0.39	0.00	137.98	190.00
1000.000	1730.00	526.50	0.79	0.44	0.00	147.76	190.00
1245.000	675.00	528.03	0.00	3.78	0.00	110.00	245.00
1245.000	1180.00	528.98	0.95	3.53	0.00	140.07	245.00
1245.000	1310.00	529.16	0.18	3.45	0.00	142.33	245.00
1245.000	1730.00	529.67	0.51	3.17	0.00	148.56	245.00
* 1615.000	675.00	532.66	0.00	4.62	0.00	96.61	370.00
1615.000	1180.00	541.17	8.52	12.19	0.00	187.77	370.00
1615.000	1310.00	544.19	3.02	15.03	0.00	218.19	370.00
1615.000	1730.00	555.90	11.70	26.23	0.00	389.95	370.00
1660.000	675.00	533.92	0.00	1.26	0.00	109.09	45.00
* 1660.000	1180.00	541.20	7.28	0.03	0.00	180.95	45.00
* 1660.000	1310.00	544.20	3.00	0.01	0.00	211.14	45.00
* 1660.000	1730.00	555.90	11.70	0.00	0.00	371.49	45.00
2000.000	675.00	535.90	0.00	2.07	0.00	107.45	340.00
2000.000	1180.00	541.29	5.31	0.09	0.00	159.69	340.00
2000.000	1310.00	544.24	2.95	0.04	0.00	189.36	340.00
2000.000	1730.00	555.90	11.66	0.00	0.00	313.36	340.00
2500.000	675.00	539.22	0.00	3.23	0.00	107.84	500.00
2500.000	1180.00	541.71	2.49	0.42	0.00	131.74	500.00
2500.000	1310.00	544.30	2.67	0.14	0.00	158.65	500.00
2500.000	1730.00	555.92	11.53	0.01	0.00	274.67	500.00
2700.000	675.00	540.50	0.00	1.20	0.00	107.56	200.00
2700.000	1180.00	542.27	1.77	0.56	0.00	124.97	200.00
2700.000	1310.00	544.54	2.27	0.15	0.00	147.12	200.00
2700.000	1730.00	555.92	11.38	0.01	0.00	261.67	200.00
3000.000	675.00	542.49	0.00	1.99	0.00	114.36	300.00
3000.000	1180.00	543.70	1.21	1.43	0.00	131.51	300.00
3000.000	1310.00	545.00	1.31	0.46	0.00	149.38	300.00
3000.000	1730.00	555.94	10.94	0.02	0.00	301.30	300.00
3200.000	675.00	543.88	0.00	1.39	0.00	116.20	200.00
3200.000	1180.00	545.02	1.14	1.32	0.00	131.77	200.00
3200.000	1310.00	545.68	0.66	0.68	0.00	140.87	200.00
3200.000	1730.00	555.95	10.27	0.01	0.00	283.29	200.00

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SECNO	D	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3640.000	630.00	546.69	0.00	2.81	0.00	90.53	440.00
3640.000	1188.00	547.98	1.30	2.97	0.00	99.44	440.00
3640.000	1512.00	548.32	0.34	2.64	0.00	101.81	440.00
3640.000	2538.00	555.99	7.66	0.04	0.00	154.56	440.00
4000.000	630.00	548.90	0.00	2.21	0.00	91.30	360.00
4000.000	1188.00	550.39	1.49	2.41	0.00	101.58	360.00
4000.000	1512.00	551.09	0.70	2.77	0.00	106.42	360.00
4000.000	2538.00	556.30	5.21	0.32	0.00	142.30	360.00
4300.000	630.00	550.61	0.00	1.71	0.00	91.39	300.00
4300.000	1188.00	552.11	1.50	1.72	0.00	101.70	300.00
4300.000	1512.00	552.81	0.70	1.71	0.00	106.50	300.00
4300.000	2538.00	556.76	3.95	0.46	0.00	133.75	300.00
4500.000	630.00	551.76	0.00	1.15	0.00	91.02	200.00
4500.000	1188.00	553.26	1.49	1.15	0.00	101.30	200.00
4500.000	1512.00	553.96	0.70	1.15	0.00	106.10	200.00
4500.000	2538.00	557.22	3.27	0.46	0.00	128.65	200.00
4800.000	630.00	553.52	0.00	1.76	0.00	91.42	300.00
4800.000	1188.00	555.01	1.49	1.75	0.00	101.69	300.00
4800.000	1512.00	555.71	0.70	1.75	0.00	106.47	300.00
4800.000	2538.00	558.70	2.49	0.98	0.00	123.66	300.00
5100.000	630.00	554.98	0.00	1.46	0.00	154.28	300.00
5100.000	1188.00	556.47	1.49	1.45	0.00	176.18	300.00
5100.000	1512.00	557.17	0.70	1.46	0.00	186.51	300.00
5100.000	2538.00	559.34	2.17	1.14	0.00	218.51	300.00
5500.000	630.00	556.72	0.00	1.74	0.00	146.14	400.00
5500.000	1188.00	558.01	1.29	1.54	0.00	165.06	400.00
5500.000	1512.00	558.63	0.63	1.47	0.00	174.27	400.00
5500.000	2538.00	560.47	1.83	1.12	0.00	201.21	400.00
5610.000	630.00	557.48	0.00	0.76	0.00	23.00	110.00
5610.000	1188.00	558.64	1.15	0.63	0.00	23.00	110.00
5610.000	1512.00	559.11	0.48	0.48	0.00	23.00	110.00
5610.000	2538.00	560.92	1.80	0.45	0.00	200.50	110.00
5630.000	630.00	557.74	0.00	0.25	0.00	23.00	20.00
5630.000	1188.00	560.52	2.79	1.89	0.00	193.26	20.00
5630.000	1512.00	561.19	0.67	2.08	0.00	203.04	20.00
5630.000	2538.00	562.68	1.49	1.76	0.00	224.99	20.00
5720.000	630.00	558.65	0.00	0.91	0.00	162.67	90.00
5720.000	1188.00	560.64	1.99	0.11	0.00	191.95	90.00
5720.000	1512.00	561.31	0.67	0.12	0.00	201.90	90.00
5720.000	2538.00	562.84	1.53	0.16	0.00	224.32	90.00
5820.000	630.00	558.85	0.00	0.20	0.00	156.82	100.00
5820.000	1188.00	560.76	1.94	0.14	0.00	185.16	100.00
5820.000	1512.00	561.46	0.68	0.15	0.00	195.19	100.00
5820.000	2538.00	563.02	1.56	0.18	0.00	218.13	100.00

SECNO	D	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5900.000	630.00	558.99	0.00	0.15	0.00	139.82	80.00
5900.000	1188.00	560.92	1.93	0.14	0.00	168.10	80.00
5900.000	1512.00	561.61	0.69	0.14	0.00	178.19	80.00
5900.000	2538.00	563.19	1.58	0.17	0.00	201.50	80.00
5950.000	630.00	559.55	0.00	0.56	0.00	137.87	50.00
5950.000	1188.00	561.13	1.58	0.21	0.00	161.02	50.00
5950.000	1512.00	561.80	0.67	0.20	0.00	170.89	50.00
5950.000	2538.00	563.38	1.58	0.19	0.00	194.06	50.00
6000.000	630.00	560.25	0.00	0.64	0.00	137.69	50.00
6000.000	1188.00	561.48	1.23	0.35	0.00	155.84	50.00
6000.000	1512.00	562.11	0.63	0.30	0.00	165.05	50.00
6000.000	2538.00	563.64	1.54	0.27	0.00	187.55	50.00
6125.000	630.00	562.10	0.00	1.86	0.00	135.62	125.00
6125.000	1188.00	562.99	0.89	1.51	0.00	148.59	125.00
6125.000	1512.00	563.43	0.44	1.32	0.00	155.07	125.00
6125.000	2538.00	564.72	1.38	1.08	0.00	174.20	125.00
6250.000	630.00	564.22	0.00	2.11	0.00	137.24	125.00
6250.000	1188.00	565.25	1.03	2.26	0.00	152.29	125.00
6250.000	1512.00	565.66	0.41	2.23	0.00	158.47	125.00
6250.000	2538.00	566.67	1.01	1.94	0.00	173.41	125.00
6500.000	630.00	568.11	0.00	3.90	0.00	135.75	250.00
6500.000	1188.00	569.05	0.94	3.80	0.00	149.64	250.00
6500.000	1512.00	569.50	0.45	3.84	0.00	156.24	250.00
6500.000	2538.00	570.68	1.18	4.01	0.00	173.48	250.00
6750.000	630.00	572.21	0.00	4.09	0.00	137.09	250.00
6750.000	1188.00	573.18	0.98	4.13	0.00	151.57	250.00
6750.000	1512.00	573.61	0.42	4.10	0.00	157.75	250.00
6750.000	2538.00	574.68	1.07	4.00	0.00	173.47	250.00
7000.000	630.00	576.12	0.00	3.92	0.00	135.87	250.00
7000.000	1188.00	577.08	0.96	3.90	0.00	150.01	250.00
7000.000	1512.00	577.53	0.45	3.93	0.00	156.64	250.00
7000.000	2538.00	578.68	1.15	4.00	0.00	173.49	250.00
7500.000	630.00	584.13	0.00	8.01	0.00	79.42	500.00
7500.000	1188.00	585.29	1.16	8.21	0.00	106.32	500.00
7500.000	1512.00	585.77	0.48	8.24	0.00	111.88	500.00
7500.000	2538.00	586.99	1.22	8.31	0.00	125.92	500.00
8000.000	630.00	592.12	0.00	7.98	0.00	74.61	500.00
8000.000	1188.00	593.39	1.27	8.10	0.00	106.44	500.00
8000.000	1512.00	593.96	0.57	8.19	0.00	112.99	500.00
8000.000	2538.00	595.39	1.03	8.41	0.00	129.50	500.00
8050.000	630.00	593.08	0.00	0.97	0.00	97.90	50.00
8050.000	1188.00	594.34	1.26	0.95	0.00	112.80	50.00
8050.000	1512.00	594.89	0.54	0.92	0.00	119.02	50.00
8050.000	2538.00	596.26	1.38	0.87	0.00	134.87	50.00

SECNO	Q	WSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
8100.000	630.00	593.57	0.00	0.48	0.00	99.25	50.00
8100.000	1188.00	594.86	1.29	0.51	0.00	114.10	50.00
8100.000	1512.00	595.42	0.57	0.54	0.00	120.62	50.00
8100.000	2538.00	596.85	1.43	0.59	0.00	137.06	50.00
8150.000	630.00	594.00	0.00	0.43	0.00	99.67	50.00
8150.000	1188.00	595.31	1.32	0.46	0.00	114.84	50.00
8150.000	1512.00	595.90	0.58	0.47	0.00	121.55	50.00
8150.000	2538.00	597.36	1.46	0.51	0.00	138.37	50.00
8200.000	630.00	594.41	0.00	0.41	0.00	99.79	50.00
8200.000	1188.00	595.74	1.33	0.42	0.00	115.10	50.00
8200.000	1512.00	596.33	0.59	0.44	0.00	121.93	50.00
8200.000	2538.00	597.83	1.49	0.46	0.00	139.09	50.00
9800.000	630.00	607.22	0.00	12.81	0.00	159.32	1600.00
9800.000	1188.00	608.32	1.10	12.58	0.00	189.99	1600.00
9800.000	1512.00	608.83	0.51	12.50	0.00	202.75	1600.00
9800.000	2538.00	610.17	1.34	12.34	0.00	235.97	1600.00
11000.000	507.00	616.69	0.00	9.47	0.00	147.32	1200.00
11000.000	962.00	617.61	0.93	9.29	0.00	177.40	1200.00
11000.000	1226.00	618.02	0.41	9.19	0.00	187.60	1200.00
11000.000	2068.00	619.07	1.05	8.90	0.00	213.60	1200.00
12150.000	507.00	625.63	0.00	8.95	0.00	112.35	1150.00
12150.000	962.00	626.75	1.12	9.14	0.00	134.65	1150.00
12150.000	1226.00	627.26	0.51	9.24	0.00	144.77	1150.00
12150.000	2068.00	628.54	1.28	9.47	0.00	170.77	1150.00
12260.000	507.00	626.57	0.00	0.94	0.00	18.00	110.00
12260.000	962.00	627.69	1.02	0.85	0.00	131.97	110.00
12260.000	1226.00	628.11	0.51	0.84	0.00	142.06	110.00
12260.000	2068.00	629.39	1.28	0.85	0.00	167.48	110.00
12280.000	507.00	627.85	0.00	1.28	0.00	133.04	20.00
* 12280.000	962.00	628.97	1.12	1.37	0.00	155.17	20.00
* 12280.000	1226.00	629.43	0.47	1.33	0.00	164.44	20.00
12280.000	2068.00	630.57	1.14	1.18	0.00	192.58	20.00
12310.000	507.00	627.92	0.00	0.06	0.00	131.89	30.00
12310.000	962.00	629.05	1.14	0.09	0.00	154.68	30.00
12310.000	1226.00	629.53	0.46	0.10	0.00	164.30	30.00
12310.000	2068.00	630.70	1.17	0.13	0.00	193.40	30.00
12500.000	507.00	628.52	0.00	0.61	0.00	114.08	190.00
12500.000	962.00	629.76	1.24	0.71	0.00	138.85	190.00
12500.000	1226.00	630.30	0.54	0.76	0.00	149.58	190.00
12500.000	2068.00	631.61	1.31	0.91	0.00	177.80	190.00

SUMMARY OF ERRORS

CAUTION SECNO= 1615.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF  
CAUTION SECNO= 1615.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
NOTE SECNO= 1660.000 PROFILE= 2 WSEL BASED ON X5 CARD  
NOTE SECNO= 1660.000 PROFILE= 3 WSEL BASED ON X5 CARD

MAY 16 1977  
KERON

ENCHR. TAKEN  
OFF - PASADENA SUPERVISOR

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

C	11	12	13	14	15	16	17	18	19	20	21	22
	ORANGE CO FIA STUDY	ROCKY MOUNTAIN	100-YR NATURAL PROFILE MAY 1978 CRF									
J1	ICHECK	IND	NIRV	IDIR	STRT	METRIC	RVINS	G	WSEL	PG		
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	522.000	0.000		
J2	KPKOF	IPLUT	KRPVS	XSECV	XSECH	FN	ALDGC	IBR	CHNIM	ITRAGE		
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	13.000		
J3	VARIABLE CODES FOR SUMMARY PRINTOUT											
	38.000	1.000	2.000	41.000	42.000	5.000	43.000	0.000	38.000	1.000		
	53.000	21.000	22.000	54.000	4.000	0.000	200.000	0.000	0.000	0.000		
NC	0.120	0.120	0.060	0.100	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GT	5.000	1673.000	2186.000	2310.000	2736.000	2310.000	0.000	0.000	0.000	0.000	0.000	0.000

SEVENMILE CREEK VALLEY SECTION

X1	2620.000	11.000	1000.000	1045.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	540.000	440.000	538.000	630.000	520.000	900.000	517.800	1000.000	511.700	1615.000	
GR	510.800	1025.000	511.700	1035.000	517.800	1045.000	520.000	1160.000	530.000	1200.000	
GR	540.000	1230.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
GT	5.000	675.000	1180.000	1310.000	1730.000	1310.000	0.000	0.000	0.000	0.000	
ET	0.000	0.000	0.000	0.000	0.000	7.100	588.000	1068.000	0.000	0.000	

GRR-1 VALLEY

X1	810.000	10.000	1000.000	1027.000	2080.000	2080.000	2080.000	0.000	0.000	0.000
GR	544.400	915.000	521.000	985.000	520.200	1000.000	517.300	1000.000	517.500	1614.000
GR	518.800	1026.000	520.400	1027.000	523.200	1115.000	524.900	1131.000	542.600	1190.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	588.000	1068.000	0.000	0.000

X1	1000.000	0.000	0.000	0.000	190.000	190.000	190.000	0.000	2.400	0.000
NC	0.000	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	979.000	1059.000	0.000	0.000

GRR-2 1.85 DOWNSTREAM

X1	1245.000	9.000	1000.000	1000.000	245.000	245.000	245.000	0.000	5.500	0.000
GR	544.400	915.000	521.000	985.000	520.200	1000.000	517.300	1000.100	517.300	1007.900
GR	520.200	1000.000	523.200	1115.000	524.900	1131.000	542.600	1190.000	0.000	0.000
SB	0.000	11.770	0.000	0.000	8.100	0.100	96.000	0.000	528.000	1522.700

QRR-2 I-85 UPSTREAM

X1	1615.000	13.000	1000.000	1008.000	370.000	370.000	370.000	0.000	20.700	0.000
X2	0.000	0.000	1.000	935.000	580.000	0.000	0.000	0.000	0.000	0.000
GR	560.000	825.000	534.300	925.000	531.800	947.000	531.500	1000.000	528.700	1000.100
GR	528.700	1007.900	533.000	1008.000	533.000	1021.000	533.600	1036.000	536.000	1047.000
GR	552.200	1147.000	553.400	1156.000	560.000	1305.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	935.000	1035.000	0.000	0.000

QRR-3 U.S. VALLEY

X1	1660.000	13.000	1000.000	1021.000	45.000	45.000	45.000	0.000	0.000	0.000
X5	3.000	0.000	541.200	544.200	535.900	0.000	0.000	0.000	0.000	0.000
GR	560.000	825.000	534.300	925.000	531.800	947.000	531.500	1000.000	529.000	1002.000
GR	528.700	1017.000	529.200	1018.000	535.000	1021.000	535.600	1036.000	536.000	1047.000
GR	552.200	1147.000	553.400	1156.000	560.000	1305.000	0.000	0.000	0.000	0.000
RE	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	935.000	1035.000	0.000	0.000

X1	2000.000	0.000	0.000	0.000	340.000	340.000	340.000	0.000	2.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	935.000	1035.000	0.000	0.000

X1	2500.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	2.200	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	940.000	1035.000	0.000	0.000

X1	2700.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	985.000	1070.000	0.000	0.000

X1	3600.000	12.000	1000.000	1021.000	300.000	300.000	300.000	0.000	1.300	0.000
GR	570.000	840.000	560.000	910.000	550.000	960.000	541.300	1000.000	539.200	1001.000
GR	538.800	1016.000	539.200	1020.000	541.500	1021.000	541.400	1160.000	556.000	1160.000
GR	560.000	1250.000	570.000	1350.000	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	1065.000	0.000	0.000

X1	3200.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	987.000	1057.000	0.000	0.000

X1	3640.000	10.000	1000.000	1021.000	440.000	440.000	440.000	0.000	0.000	0.000
GR	568.500	927.000	544.200	1000.000	542.100	1001.000	541.500	1010.000	542.100	1020.000
GR	544.400	1021.000	544.600	1027.000	545.900	1040.000	558.000	1127.000	565.700	1152.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1061.000	0.000	0.000

X1	4000.000	0.000	0.000	0.000	360.000	360.000	360.000	0.000	2.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1061.000	0.000	0.000

X1	4300.000	0.000	0.000	0.000	360.000	300.000	300.000	0.000	1.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1061.000	0.000	0.000

X1	4500.000	0.000	0.000	0.000	200.000	200.000	200.000	0.000	1.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	986.000	1061.000	0.000	0.000

ET	0.000	0.000	0.000	0.000	0.000	7.100	984.000	1084.000	0.000	0.000
X1	5100.000	10.000	1000.000	1017.000	300.000	300.000	300.000	0.000	2.700	0.000
GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.300	1003.000	552.800	1008.000
GR	552.900	1014.000	556.200	1017.000	557.400	1117.000	571.100	1217.000	576.100	1273.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	984.000	1084.000	0.000	0.000

X1	5500.000	0.000	0.000	0.000	400.000	400.000	400.000	0.000	2.300	0.000
NC	0.000	0.000	0.000	0.400	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	984.000	1084.000	0.000	0.000

ORR-4 VALLEY

X1	5610.000	13.000	1000.000	1023.000	110.000	110.000	110.000	0.000	-0.900	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	550.000	550.000	0.000
GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.900	1003.000	553.200	1009.000
GR	552.800	1010.000	554.000	1015.000	554.500	1020.000	554.400	1022.900	556.400	1023.000
GR	557.400	1117.000	571.100	1217.000	576.100	1273.000	0.000	0.000	0.000	0.000
SB	0.000	1.800	2.800	0.000	12.000	0.100	113.300	1.220	552.000	551.900
ET	0.000	0.000	0.000	0.000	0.000	7.110	986.000	1086.000	0.000	0.000

X1	5130.000	0.000	0.000	0.000	20.000	20.000	20.000	0.000	0.100	0.000
X2	0.000	0.000	1.000	557.800	559.400	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	559.400	559.400	0.000
BT	10.000	817.000	574.200	0.000	917.000	565.200	0.000	949.000	560.800	0.000
BT	1000.000	559.400	0.000	1000.100	559.400	557.000	1022.900	559.400	557.000	1023.000
BT	559.400	0.000	1103.000	562.900	0.000	1217.000	570.200	0.000	1273.000	575.300
BT	0.000	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	984.000	1084.000	0.000	0.000

X1	5720.000	10.000	1000.000	1017.000	90.000	90.000	90.000	0.000	0.600	0.000
GR	575.100	817.000	566.100	917.000	554.900	1000.000	553.300	1003.000	552.800	1008.000
GR	552.900	1014.000	556.200	1017.000	557.400	1117.000	571.100	1217.000	576.100	1273.000
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	984.000	1084.000	0.000	0.000

ORR-5 SR 1135 (LOWER CROSSING)

X1	5820.000	0.000	0.000	0.000	100.000	100.000	100.000	0.000	0.600	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	984.000	1084.000	0.000	0.000

X1	5900.000	0.000	0.000	0.000	80.000	80.000	80.000	0.000	1.300	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	984.000	1084.000	0.000	0.000

X1	5950.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	984.000	1079.000	0.000	0.000

X1	6000.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.700	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	978.000	1073.000	0.000	0.000

X1	6125.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	2.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	978.000	1073.000	0.000	0.000

X1	6250.000	0.000	0.000	0.000	125.000	125.000	125.000	0.000	2.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	978.000	1073.000	0.000	0.000

XI	6500.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	978.000	1073.000	0.000	0.000

XI	6750.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	978.000	1073.000	0.000	0.000

XI	7000.000	0.000	0.000	0.000	250.000	250.000	250.000	0.000	4.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	953.000	1033.000	0.000	0.000

XI	7500.000	12.000	1000.000	1016.000	500.000	500.000	500.000	0.000	-8.100	0.000
GR	613.300	767.000	601.100	667.000	592.700	939.000	591.700	967.000	509.000	1000.000
GR	588.000	1001.000	587.700	1011.000	588.000	1015.000	589.600	1016.000	602.300	1067.000
GR	612.800	1108.000	613.100	1117.000	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	953.000	1033.000	0.000	0.000

ORR-6 U.S. VALLEY

XI	8000.000	0.000	0.000	0.000	500.000	500.000	500.000	0.000	0.100	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	958.000	1033.000	0.000	0.000

XI	8050.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	958.000	1033.000	0.000	0.000

XI	8100.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1033.000	0.000	0.000

XI	8150.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	958.000	1033.000	0.000	0.000

XI	8200.000	0.000	0.000	0.000	50.000	50.000	50.000	0.000	0.400	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	955.000	1033.000	0.000	0.000

ORR-7 VALLEY

XI	9800.000	14.000	1000.000	1016.000	1500.000	1400.000	1400.000	0.000	0.000	0.000
GR	620.200	592.000	621.500	692.000	614.200	792.000	607.500	875.000	606.800	892.000
GR	604.900	592.000	605.100	1000.000	607.700	1007.000	601.500	1000.000	602.700	1013.000
GR	605.200	1016.000	611.300	1092.000	622.300	1192.000	625.600	1237.000	0.000	0.000
BT	5.000	507.000	502.000	1226.000	2000.000	1220.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	943.000	1033.000	0.000	0.000

XI	11000.000	0.000	0.000	0.000	1200.000	1200.000	1200.000	0.000	9.800	0.000
ET	0.000	0.000	0.000	0.000	0.000	7.100	983.000	1068.000	0.000	0.000

XI	12150.000	12.000	1000.000	1016.000	1150.000	1150.000	1150.000	0.000	1.300	0.000
GR	645.300	777.000	638.800	877.000	629.800	977.000	625.100	1000.000	622.900	1003.000
GR	622.300	1000.000	623.000	1014.000	625.100	1016.000	625.200	1077.000	631.800	1177.000
GR	643.800	1277.000	646.300	1304.000	0.000	0.000	0.000	0.000	0.000	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	984.000	1064.000	0.000	0.000



HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR = 01.02

MODIFICATION = 50,51,52,53

T1 ORANGE COUNTY FIA STUDY

T2 ROCKY RUN

T3 100-YR FLOODWAY PROFILE MAY 1978 CWF

J1	ICHECK	INO	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	522.600	0.000

J2	NPROK	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000

\*PROF 2

CCHV= 0.100 CEHV= 0.300

\*SECTO 2620.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	GLOB	QCH	GRUB	ALOB	ACH	ARUB	VOL	TRA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLGRB	ITRIAL	IDC	ICONT	EDRAN	TCPWID	ENBGT

GEVERMILE CREEK VALLEY SECTION

2620.00	11.00	522.60	0.00	522.60	522.73	0.13	0.00	0.00	517.80
2310.	407.	1480.	423.	461.	423.	439.	0.	0.	517.80
0.00	0.88	3.56	0.96	0.120	0.060	0.120	0.000	510.80	829.80
0.001093	0.	0.	0.	0	0	0	0.00	340.60	1170.40

FLOW DISTRIBUTION FOR SECTO= 2620.00 CWSEL= 522.60

STA=	830.	900.	1000.	1045.	1100.	1170.
PER Q=	1.9	15.7	64.1	16.0	0.3	
AREA=	91.3	370.0	423.2	425.5	13.5	
VEL=	0.5	1.0	3.5	1.0	0.5	

\*SECTO 810.000

3470 ENCROACHMENT STATIONS= 988.0 1068.0 TYPE= 1 TARGET= 80.000

ORR-1 VALLEY

810.00	8.19	525.49	0.00	525.52	525.74	0.24	2.98	0.03	520.20
1310.	86.	931.	291.	60.	203.	182.	42.	10.	520.00
0.16	1.47	4.58	1.60	0.120	0.060	0.120	0.060	517.30	988.00
0.002567	2000.	2000.	2000.	2	0	0	0.60	80.00	1068.00

FLOW DISTRIBUTION FOR SECNO= 810.00 CWSEL= 525.49

STA= 988. 1000. 1027. 1068.

PER Q=

HEC2 RELEASE DATED NOV 76 UPDATED AUG 77

ERROR CORR = 01,02

MODIFICATION = 50,51,52,53

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

R NATURAL PROFILE MAY 1

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELLC	ELMIN	10K*5	G
2620.000	522.60	522.73	0.00	510.80	10.93	2310.00
2620.000	522.60	522.73	0.00	510.80	10.93	2310.00
810.000	525.32	525.47	0.00	517.30	19.26	1310.00
810.000	525.49	525.74	0.00	517.30	25.67	1310.00
1000.000	525.71	526.29	0.00	519.70	92.04	1310.00
1000.000	526.07	526.61	0.00	519.70	77.22	1310.00
1245.000	529.16	529.73	0.00	522.80	240.48	1310.00
1245.000	529.24	529.98	0.00	522.80	269.68	1310.00
1615.000	544.19	544.20	535.00	528.00	1.14	1310.00
1615.000	544.27	544.28	535.00	528.00	2.31	1310.00
1660.000	544.20	544.21	0.00	528.70	1.00	1310.00
1660.000	544.27	544.30	0.00	528.70	1.71	1310.00
2000.000	544.24	544.26	0.00	530.90	2.00	1310.00
2000.000	544.34	544.38	0.00	530.90	3.01	1310.00
2500.000	544.38	544.44	0.00	534.10	6.77	1310.00
2500.000	544.55	544.62	0.00	534.10	8.29	1310.00
2700.000	544.54	544.63	0.00	535.40	11.95	1310.00
2700.000	544.73	544.85	0.00	535.46	14.07	1310.00
3000.000	545.00	545.20	0.00	537.50	30.60	1310.00
3000.000	545.26	545.53	0.00	537.50	35.58	1310.00
3200.000	545.68	545.97	0.00	538.80	47.02	1310.00
3200.000	546.03	546.41	0.00	538.80	51.01	1310.00
3640.000	548.32	548.53	0.00	541.50	90.86	1512.00
3640.000	548.76	549.45	0.00	541.50	87.56	1512.00
4000.000	551.09	551.51	0.00	543.60	57.24	1512.00
4000.000	551.50	551.99	0.00	543.60	57.37	1512.00

SECNO	CHSEL	CG	CLCC	ELMIN	TKMS	G
4300.000	552.81	553.22	0.00	545.30	56.77	1512.00
4300.000	553.22	553.70	0.00	545.30	56.84	1512.00
4500.000	553.96	554.38	0.00	546.50	58.99	1512.00
4500.000	554.37	554.80	0.00	546.50	58.67	1512.00
4800.000	555.71	556.12	0.00	548.20	58.55	1512.00
4800.000	556.12	556.60	0.00	548.20	57.18	1512.00
5100.000	557.17	557.33	0.00	549.10	28.98	1512.00
5100.000	557.68	557.92	0.00	549.10	33.84	1512.00
5500.000	558.63	558.91	0.00	551.40	54.36	1512.00
5500.000	559.26	559.59	0.00	551.40	51.16	1512.00
5610.000	559.22	559.47	0.00	551.90	45.12	1512.00
5610.000	559.82	560.12	0.00	551.90	43.07	1512.00
5630.000	561.23	561.31	557.80	552.00	12.50	1512.00
5630.000	561.55	561.71	557.80	552.00	18.29	1512.00
5720.000	561.34	561.43	0.00	552.20	14.47	1512.00
5720.000	561.72	561.89	0.00	552.20	21.09	1512.00
5820.000	561.49	561.61	0.00	552.80	19.15	1512.00
5820.000	561.93	562.13	0.00	552.80	25.50	1512.00
5900.000	561.63	561.86	0.00	554.10	43.03	1512.00
5900.000	562.12	562.43	0.00	554.10	46.51	1512.00
5950.000	561.83	562.15	0.00	554.80	64.55	1512.00
5950.000	562.33	562.73	0.00	554.80	62.97	1512.00
6000.000	562.12	562.57	0.00	555.50	92.28	1512.00
6000.000	562.61	563.14	0.00	555.50	88.20	1512.00
6125.000	563.43	564.28	0.00	557.50	185.47	1512.00
6125.000	563.82	564.70	0.00	557.50	162.55	1512.00
6250.000	565.66	566.34	0.00	559.50	144.79	1512.00
6250.000	565.85	566.72	0.00	559.50	159.68	1512.00
6500.000	569.50	570.29	0.00	563.50	170.64	1512.00
6500.000	569.85	570.72	0.00	563.50	160.18	1512.00
6750.000	573.61	574.32	0.00	567.50	152.41	1512.00
6750.000	573.86	574.72	0.00	567.50	160.32	1512.00
7000.000	577.53	578.20	0.00	571.50	165.19	1512.00
7000.000	577.86	578.72	0.00	571.50	159.26	1512.00
7500.000	585.77	586.71	0.00	579.60	169.34	1512.00
7500.000	585.92	586.82	0.00	579.60	167.40	1512.00
8000.000	593.96	594.84	0.00	587.70	155.85	1512.00
8000.000	594.10	595.06	0.00	587.70	157.88	1512.00

SECNO	CHSEL	EG	ELLC	ELMIN	10K*3	0
8050.000	594.89	595.49	0.00	588.10	101.41	1512.00
8050.000	594.98	595.75	0.00	588.10	116.26	1512.00
8100.000	595.42	595.97	0.00	588.50	91.09	1512.00
8100.000	595.61	596.29	0.00	588.50	95.86	1512.00
8150.000	595.90	596.42	0.00	588.90	85.69	1512.00
8150.000	596.18	596.77	0.00	588.90	85.66	1512.00
8200.000	596.33	596.84	0.00	589.30	83.57	1512.00
8200.000	596.39	597.21	0.00	589.30	89.17	1512.00
9800.000	608.65	609.12	0.00	601.90	70.30	1512.00
9800.000	609.40	609.78	0.00	601.90	69.43	1512.00
11000.000	618.02	618.36	0.00	611.70	85.90	1226.00
11000.000	618.48	618.91	0.00	611.70	85.33	1226.00
12150.000	627.26	627.57	0.00	621.00	74.87	1226.00
12150.000	627.76	628.17	0.00	621.00	76.06	1226.00
12260.000	628.11	628.45	0.00	622.00	81.42	1226.00
12260.000	628.61	629.06	0.00	622.00	84.26	1226.00
12280.000	629.45	629.59	625.70	622.20	31.90	1226.00
12280.000	629.47	629.71	625.70	622.20	41.20	1226.00
12310.000	629.53	629.69	0.00	622.20	33.50	1226.00
12310.000	629.60	629.64	0.00	622.20	42.74	1226.00
12500.000	630.30	630.56	0.00	623.70	66.29	1226.00
12500.000	630.53	630.90	0.00	623.70	70.48	1226.00

R NATURAL PROFILE MAY 1

SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	SICHR	ENDST	TOPWID
2620.000	522.60	829.80	1000.00	1045.00	1170.40	340.60
2620.000	522.60	829.80	1000.00	1045.00	1170.40	340.60
810.000	525.32	972.07	1000.00	1027.00	1132.41	160.34
810.000	525.49	988.00	1000.00	1027.00	1068.00	80.00
1000.000	525.71	978.08	1000.00	1027.00	1116.06	137.98
1000.000	526.07	988.00	1000.00	1027.00	1068.00	80.00
1245.000	529.16	977.03	1000.00	1008.00	1119.36	142.33
1245.000	529.24	979.00	1000.00	1008.00	1059.00	80.00
1615.000	544.19	883.75	1000.00	1008.00	1101.94	218.19
1615.000	544.27	935.00	1000.00	1008.00	1035.00	100.00
1660.000	544.20	836.48	1000.00	1021.00	1097.62	211.14
1660.000	544.27	935.00	1000.00	1021.00	1035.00	100.00
2000.000	544.24	894.90	1000.00	1021.00	1084.26	189.36
2000.000	544.34	935.00	1000.00	1021.00	1035.00	100.00
2500.000	544.38	906.77	1000.00	1021.00	1065.42	158.65
2500.000	544.55	935.00	1000.00	1021.00	1035.00	100.00
2700.000	544.54	911.23	1000.00	1021.00	1058.35	147.12
2700.000	544.73	940.00	1000.00	1021.00	1035.00	95.00
3000.000	545.00	977.00	1000.00	1021.00	1126.38	145.38
3000.000	545.26	985.00	1000.00	1021.00	1070.00	85.00
3200.000	545.68	979.86	1000.00	1021.00	1120.73	140.87
3200.000	546.03	985.00	1000.00	1021.00	1065.00	80.00
3640.000	548.32	987.61	1000.00	1021.00	1089.42	101.81
3640.000	548.76	987.00	1000.00	1021.00	1057.00	70.00
4000.000	551.09	985.60	1000.00	1021.00	1092.02	106.42
4000.000	551.50	986.00	1000.00	1021.00	1061.00	75.00
4360.000	552.81	985.56	1000.00	1021.00	1092.07	106.50
4360.000	553.22	986.00	1000.00	1021.00	1061.00	75.00
4500.000	553.96	985.74	1000.00	1021.00	1091.84	106.10
4500.000	554.37	986.00	1000.00	1021.00	1061.00	75.00
4800.000	555.71	985.58	1000.00	1021.00	1092.05	106.47
4800.000	556.12	986.00	1000.00	1021.00	1061.00	75.00
5100.000	557.17	955.79	1000.00	1017.00	1142.30	186.51
5100.000	557.68	984.00	1000.00	1017.00	1084.00	100.00
5500.000	558.63	961.96	1000.00	1017.00	1136.22	174.27
5500.000	559.26	984.00	1000.00	1017.00	1084.00	100.00

SECNO	LNSEL	SSTA	STCHL	STCHK	ENDST	TOPWID
5610.000	559.22	961.32	1000.00	1023.00	1136.85	175.52
5610.000	559.82	986.00	1000.00	1023.00	1086.00	100.00
5630.000	561.23	947.20	1000.00	1023.00	1150.76	203.56
5630.000	561.55	986.00	1000.00	1023.00	1086.00	100.00
5720.000	561.34	947.81	1000.00	1017.00	1150.16	202.35
5720.000	561.72	984.00	1000.00	1017.00	1084.00	100.00
5820.000	561.49	951.19	1000.00	1017.00	1146.83	195.64
5820.000	561.93	984.00	1000.00	1017.00	1084.00	100.00
5900.000	561.83	955.77	1000.00	1017.00	1136.37	178.00
5900.000	562.12	984.00	1000.00	1017.00	1084.00	100.00
5950.000	561.83	963.49	1000.00	1017.00	1134.72	171.23
5950.000	562.33	984.00	1000.00	1017.00	1084.00	100.00
6000.000	562.12	966.48	1000.00	1017.00	1131.77	165.30
6000.000	562.61	984.00	1000.00	1017.00	1079.00	95.00
6125.000	563.43	971.64	1000.00	1017.00	1126.68	155.04
6125.000	563.82	978.00	1000.00	1017.00	1073.00	95.00
6250.000	565.86	969.90	1000.00	1017.00	1128.40	156.49
6250.000	565.85	978.00	1000.00	1017.00	1073.00	95.00
6500.000	569.50	971.64	1000.00	1017.00	1127.27	156.23
6500.000	569.85	978.00	1000.00	1017.00	1073.00	95.00
6750.000	573.61	970.27	1000.00	1017.00	1128.63	157.76
6750.000	573.86	978.00	1000.00	1017.00	1073.00	95.00
7000.000	577.53	970.84	1000.00	1017.00	1127.47	156.63
7000.000	577.86	978.00	1000.00	1017.00	1073.00	95.00
7500.000	585.77	921.25	1000.00	1016.00	1033.13	111.89
7500.000	585.92	953.00	1000.00	1016.00	1033.00	80.00
8000.000	593.96	920.53	1000.00	1016.00	1053.52	112.99
8000.000	594.10	953.00	1000.00	1016.00	1053.00	80.00
8050.000	594.89	916.60	1000.00	1016.00	1035.62	115.02
8050.000	594.98	958.00	1000.00	1016.00	1033.00	75.00
8100.000	595.42	915.56	1000.00	1016.00	1036.10	120.62
8100.000	595.61	958.00	1000.00	1016.00	1033.00	75.00
8150.000	595.90	914.96	1000.00	1016.00	1036.59	121.55
8150.000	596.18	953.00	1000.00	1016.00	1033.00	80.00
8200.000	596.33	914.71	1000.00	1016.00	1036.64	121.93
8200.000	596.59	958.00	1000.00	1016.00	1033.00	75.00
9800.000	608.83	858.50	1000.00	1016.00	1061.25	262.75
9800.000	609.40	933.00	1000.00	1016.00	1033.00	100.00

SECNO	CRSEL	SSIA	STEML	STCHR	ENDST	TOPRIO
11000.000	618.02	866.06	1000.00	1016.00	1033.63	187.60
11000.000	618.48	943.00	1000.00	1016.00	1033.00	90.00
12150.000	627.26	983.09	1000.00	1016.00	1127.85	144.77
12150.000	627.76	983.00	1000.00	1016.00	1068.00	85.00
12280.000	628.11	983.52	999.00	1017.00	1125.58	142.00
12280.000	628.61	984.00	999.00	1017.00	1064.00	80.00
* 12280.000	629.43	978.24	999.00	1017.00	1142.68	164.44
12280.000	629.47	983.00	999.00	1017.00	1078.00	95.00
12310.000	629.53	978.32	1000.00	1016.00	1142.62	164.30
12310.000	629.60	983.00	1000.00	1016.00	1078.00	95.00
12500.000	630.30	981.91	1000.00	1016.00	1131.49	149.58
12500.000	630.53	983.00	1000.00	1016.00	1073.00	90.00

SUMMARY OF ERRORS

NOTE SECNO= 1660.000 PROFILE= 1 WSEL BASED ON X5 CARD

CAUTION SECNO=12280.000 PROFILE= 1 HYDRAULIC JUMP U.S.

FLUDDWAY DATA, R NATURAL PROFILE MAY 1

PROFILE NO. 2

STATION	WIDTH	SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION	WIDTH WITHOUT FLUDDWAY	ELEVATION DIFFERENCE
2620.000	341.	1324.	1.7	522.6	522.6	0.0
010.000	80.	445.	2.9	525.3	525.3	0.2
1000.000	80.	299.	4.4	526.1	525.7	0.4
1245.000	80.	255.	3.8	529.3	529.2	0.1
1615.000	100.	1305.	1.0	544.3	544.2	0.1
1060.000	100.	1270.	1.0	544.3	544.2	0.1
2000.000	100.	1065.	1.2	544.3	544.2	0.1
2500.000	100.	765.	1.7	544.8	544.4	0.2
2700.000	95.	628.	2.1	544.7	544.5	0.2
3000.000	83.	429.	3.1	545.3	545.0	0.3
3200.000	80.	368.	3.6	546.1	545.7	0.4
3840.000	70.	309.	4.9	548.7	548.3	0.4
4000.000	75.	370.	4.1	551.5	551.1	0.4
4500.000	75.	372.	4.1	553.2	552.8	0.4
4500.000	75.	367.	4.1	554.4	554.0	0.4
4800.000	75.	371.	4.1	556.1	555.7	0.4
5100.000	100.	541.	2.8	557.7	557.2	0.5
5300.000	100.	470.	3.2	559.2	558.8	0.6
5610.000	100.	479.	3.2	559.6	559.2	0.6
5630.000	100.	641.	2.9	561.5	561.2	0.3
5120.000	100.	636.	2.4	561.7	561.3	0.4
5820.000	100.	596.	2.5	561.9	561.5	0.4
5900.000	100.	485.	3.1	562.1	561.6	0.5
5950.000	100.	457.	3.5	562.3	561.8	0.5
6000.000	95.	380.	4.0	562.6	562.1	0.5
6125.000	95.	303.	5.0	563.8	563.4	0.4
6250.000	95.	305.	5.0	565.9	565.7	0.2
6500.000	95.	364.	5.0	569.8	569.5	0.3
6750.000	95.	304.	5.0	573.8	573.6	0.2
7000.000	95.	305.	5.0	577.8	577.5	0.3
7500.000	80.	214.	5.5	585.9	585.8	0.1
8000.000	80.	200.	5.4	594.1	594.0	0.1
8050.000	75.	306.	4.9	595.0	594.9	0.1
8100.000	75.	325.	4.7	595.6	595.4	0.1
8150.000	80.	350.	4.3	596.2	595.9	0.3
8200.000	75.	326.	4.2	598.6	598.3	0.3
9800.000	100.	434.	3.5	609.4	608.8	0.6
11000.000	90.	524.	2.7	618.5	618.0	0.5
12150.000	85.	337.	3.6	627.8	627.3	0.5
12200.000	80.	312.	3.9	628.6	628.1	0.5
12280.000	95.	427.	2.9	629.4	629.4	0.0
12510.000	95.	36.	2.9	629.6	629.5	0.1
12500.000	90.	355.	3.5	630.5	630.3	0.2