

T1  
T2  
T3

BUENA VISTA CREEK 50 YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.00	0005.000					-1.000		185.89	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IEW	CHNIM	ITRACE
	4.0		-1.0							

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*PROF 4  
0

OCHV= .300 CEHV= .600

\*SECNO 4.727

4.727	8.39	185.89	.00	185.89	187.52	1.63	.00	.00	183.30
5100.0	410.5	4689.5	.0	176.4	439.2	.0	.0	.0	187.30
.00	2.33	10.68	.00	.040	.015	.000	.000	177.50	366.58
.001407	218.	218.	200.	0	0	0	.00	172.08	538.66

\*SECNO 4.728

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

VARIABLE COFQ WAS DECREASED TO 2. AFTER INITIAL RUN INDICATED SUBMERGED FLOW FOR THE 100 YR. OCCURANCE.

UPSTREAM REACH PART 2 OF 2

BRIDGE AT THUNDER DRIVE

4.728	8.35	185.55	185.55	.00	189.75	4.21	.01	1.54	191.20
5100.0	.0	5100.0	.0	.0	309.9	.0	.1	.0	191.20
.00	.00	16.46	.00	.000	.015	.000	.000	177.20	571.38
.002667	5.	5.	5.	4	5	0	.00	37.24	608.62

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 182.40 , NOT 185.55 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.60	2.00	.00	45.00	9.00	242.00	.00	177.20	177.20

\*SECNO 4.739

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.24

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
196.58	191.53	.00	880.	4223.	242.	252.	184.20	191.20	334.
4.739	14.55	191.75	.00	.00	193.11	1.37	3.36	.00	191.20
5100.0	9.5	5087.6	2.9	24.2	541.3	6.0	.6	.1	191.20
.00	.39	9.40	.48	.040	.015	.030	.000	177.20	485.77
.000533	54.	54.	54.	3	0	4	.00	144.83	630.60

CCHV= .300 CEHV= .600  
 \*SECNO 4.744

3470 ENCROACHMENT STATIONS=	863.5	921.5	TYPE=	1	TARGET=	58.000			
4.744	11.59	191.59	.00	191.74	193.41	1.83	.03	.28	192.60
5100.0	.0	5097.3	2.7	.0	469.7	1.7	1.1	.2	188.20
.00	.00	10.85	1.60	.000	.015	.015	.000	180.00	865.29
.000787	30.	39.	50.	2	0	0	.00	56.21	921.50

\*SECNO 4.758

3470 ENCROACHMENT STATIONS=	864.5	922.5	TYPE=	1	TARGET=	58.000			
4.758	10.96	191.56	.00	192.13	193.60	2.04	.06	.13	100000.00
5100.0	.0	5064.5	35.5	.0	440.5	9.1	1.8	.3	189.40
.00	.00	11.50	3.89	.000	.015	.015	.000	180.60	864.50
.000957	69.	69.	69.	2	0	0	.00	58.00	922.50

\*SECNO 4.767

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	953.5	1011.5	TYPE=	1	TARGET=	58.000			
4.767	10.36	191.36	.00	192.91	194.04	2.68	.05	.38	189.40
5100.0	60.5	5007.0	32.5	13.0	378.2	7.9	2.3	.4	189.60
.01	4.65	13.24	4.11	.015	.015	.015	.000	181.00	953.50
.001267	47.	47.	47.	2	0	0	.00	58.00	1011.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 4.814

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	801.5	938.0	TYPE=	1	TARGET=	136.500			
4.814	10.13	193.23	193.23	194.79	195.37	2.14	.30	.16	191.20
5100.0	19.0	4443.4	637.6	5.8	358.1	121.4	4.8	.8	190.80
.01	3.27	12.41	5.25	.015	.015	.015	.000	183.10	824.79
.001155	247.	247.	247.	20	8	0	.00	113.21	938.00

\*SECNO 4.829

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	779.5	916.0	TYPE=	1	TARGET=	136.500			
4.829	10.58	194.28	.00	194.94	195.66	1.38	.06	.23	191.40
5100.0	36.4	4173.3	890.3	12.6	411.7	175.1	5.7	1.1	190.70
.01	2.88	10.14	5.08	.015	.015	.015	.000	183.70	779.50
.000668	74.	74.	74.	8	0	0	.00	125.93	916.00

\*SECNO 4.876

7185 MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	754.5	891.0	TYPE=	1	TARGET=	136.500			
4.876	9.81	195.01	195.01	196.31	196.73	1.72	.20	.20	192.40
5100.0	470.7	4055.5	573.8	78.2	353.5	119.8	9.0	1.8	192.20
.02	6.02	11.47	4.79	.015	.015	.015	.000	185.20	754.50
.000985	250.	250.	250.	5	10	0	.00	136.50	891.00

\*SECNO 4.923

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	799.5	936.0	TYPE=	1	TARGET=	136.500			
4.923	9.82	196.32	196.32	197.78	198.28	1.96	.26	.15	194.20
5100.0	416.2	4413.5	270.3	73.1	370.2	71.2	12.0	2.6	194.60
.03	5.69	11.92	3.80	.015	.015	.015	.000	186.50	799.50
.001099	250.	250.	250.	20	5	0	.00	136.50	936.00

\*SECNO 4.971

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	620.5	694.0	TYPE=	1	TARGET=	73.500			
4.971	9.11	197.31	197.31	199.26	200.10	2.79	.33	.50	195.70
5100.0	299.0	4801.0	.0	52.3	349.2	.0	14.7	3.2	100000.00
.03	5.72	13.75	.00	.015	.015	.000	.000	188.20	620.50
.001622	251.	251.	251.	5	11	0	.00	73.50	694.00

\*SECNO 5.018

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .58

3470 ENCROACHMENT STATIONS=	667.4	758.9	TYPE=	1	TARGET=	91.500			
5.018	10.86	200.26	.00	202.91	201.28	1.02	.64	.53	203.20
5100.0	.0	5100.0	.0	.0	628.9	.0	17.6	3.6	100000.00
.04	.00	8.11	.00	.000	.050	.000	.000	189.40	670.67
.004882	250.	246.	230.	4	0	0	.00	74.87	745.54

\*SECNO 5.065

3470 ENCROACHMENT STATIONS=	669.6	845.1	TYPE=	1	TARGET=	175.500			
5.065	11.66	201.66	.00	204.66	202.49	.83	1.16	.06	204.70
5100.0	.0	5100.0	.0	.0	697.3	.0	21.4	4.1	100000.00
.05	.00	7.31	.00	.000	.050	.000	.000	190.00	740.10
.004494	250.	247.	240.	2	0	0	.00	94.45	834.55

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.113

3470 ENCROACHMENT STATIONS=	765.9	873.6	TYPE=	1	TARGET=	107.700			
5.113	12.30	202.90	.00	205.71	204.07	1.18	1.37	.21	207.50
5100.0	.0	5100.0	.0	.0	586.0	.0	25.1	4.6	202.80
.06	.00	8.70	.02	.000	.050	.050	.000	190.60	777.90
.006644	230.	254.	280.	2	0	0	.00	80.70	858.59

\*SECNO 5.160

5.160	12.98	204.68	.00	207.43	205.64	.96	1.50	.06	208.40
5100.0	.0	5100.0	.0	.0	647.3	.0	28.7	5.1	211.60
.07	.00	7.88	.00	.000	.050	.000	.000	191.70	737.82
.005152	240.	258.	270.	2	0	0	.00	87.09	824.91

\*SECNO 5.207

3301 HV CHANGED MORE THAN HVINS

5.207	12.86	206.06	.00	208.72	207.71	1.65	1.66	.41	211.00
5100.0	.0	5100.0	.0	.0	495.5	.0	31.9	5.5	209.90
.07	.00	10.29	.00	.000	.050	.000	.000	193.20	720.85
.009580	242.	242.	242.	2	0	0	.00	69.50	790.34

\*SECNO 5.258

5.258	13.31	208.51	.00	211.16	210.22	1.70	2.47	.03	215.50
5100.0	.0	5100.0	.0	.0	486.9	.0	34.9	5.9	212.90
.08	.00	10.47	.00	.000	.050	.000	.000	195.20	511.63
.009166	264.	264.	264.	2	0	0	.00	62.59	574.22

\*SECNO 5.267

5.267	13.45	209.05	.00	211.65	210.67	1.63	.43	.02	216.20
5100.0	.0	5100.0	.0	.0	498.2	.0	35.5	6.0	212.90
.08	.00	10.24	.00	.000	.050	.000	.000	195.60	512.75
.008548	49.	49.	49.	2	0	0	.00	62.40	575.14

OCHV= .350 CEHV= .550

\*SECNO 5.271

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.35

SUNSET DRIVE BRIDGE

5.271	13.37	208.97	.00	211.15	210.91	1.95	.06	.18	217.00
5100.0	.0	5100.0	.0	.0	455.5	.0	35.7	6.0	217.00
.08	.00	11.20	.00	.000	.020	.000	.000	195.60	482.93
.001547	21.	21.	21.	2	0	0	.00	34.15	517.07

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.91	2.80	34.40	42.00	5.25	661.50	.00	195.60	195.60

\*SECNO 5.276

CLASS A LOW FLOW

3420 BRIDGE W.S.= 208.38 BRIDGE VELOCITY= 10.86 CALCULATED CHANNEL AREA= 469.

EGPRS	EGLWC	H3	QWEIR	QLOW	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
.00	211.90	1.32	0.	5100.	662.	662.	213.60	217.50	0.
5.276	14.69	210.29	.00	214.47	211.90	1.61	.98	.00	217.00
5100.0	.0	5100.0	.0	.0	500.5	.0	35.9	6.0	217.00
.08	.00	10.19	.00	.000	.020	.000	.000	195.60	482.92
.001196	24.	24.	24.	0	0	0	.00	34.16	517.08

\*SECNO 5.278

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .31

3470 ENCROACHMENT STATIONS= .1 664.0 TYPE= 1 TARGET= 663.900

5.278	12.48	209.98	.00	215.75	212.39	2.40	.05	.44	216.30
5100.0	.0	5100.0	.0	.0	409.9	.0	36.1	6.1	100000.00
.08	.00	12.44	.00	.000	.045	.000	.000	197.50	595.59
.012364	19.	19.	19.	2	0	0	.00	60.14	655.73

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.302

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.91

5.302	14.01	212.71	.00	217.48	213.63	.92	.72	.52	219.90
5100.0	.0	5100.0	.0	.0	662.6	.0	37.7	6.3	213.50
.09	.00	7.70	.00	.000	.045	.000	.000	198.70	550.99
.003378	130.	124.	110.	3	0	0	.00	76.30	627.29

\*SECNO 5.349

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.349	15.24	217.24	217.24	218.20	218.38	1.14	1.08	.12	216.10
5100.0	8.7	3935.4	1155.9	4.9	409.0	364.5	41.7	7.5	215.60
.10	1.75	9.62	3.17	.045	.045	.045	.000	202.00	306.61
.006056	245.	245.	245.	20	9	0	.00	375.24	681.85

\*SECNO 5.397

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.397	15.21	218.71	218.71	219.91	219.87	1.17	1.47	.01	218.60
5100.0	.0	4059.7	1040.3	.0	422.5	377.2	46.2	9.8	217.30
.10	.03	9.61	2.76	.045	.045	.045	.000	203.50	43.05
.005952	245.	245.	245.	2	5	0	.00	415.67	458.72

\*SECNO 5.435

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .65

3470 ENCROACHMENT STATIONS=	.1	251.0	TYPE=	1	TARGET=	250.900			
5.435	13.62	220.42	.00	221.17	221.74	1.32	1.79	.08	220.30
5100.0	.0	4787.4	312.6	.0	509.6	54.6	49.4	11.1	222.00
.11	.04	9.39	5.72	.045	.045	.045	.000	206.80	21.44
.014142	215.	204.	203.	3	0	0	.00	162.76	227.97

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.463

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.42

3470 ENCROACHMENT STATIONS=	526.0	864.1	TYPE=	1	TARGET=	338.100			
5.463	15.35	222.15	.00	224.00	222.52	.37	.45	.33	220.30
5100.0	436.1	4412.1	251.8	180.7	847.6	151.5	52.5	11.9	220.50
.12	2.41	5.21	1.66	.045	.045	.045	.000	206.80	530.39
.001208	150.	157.	150.	2	0	0	.00	275.05	844.60

\*SECNO 5.491

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	446.2	718.0	TYPE=	1	TARGET=	271.800			
5.491	7.26	226.46	226.46	227.37	227.66	1.19	.41	.45	222.60
5100.0	1966.4	2287.8	845.7	305.1	208.5	131.7	55.6	12.7	222.30
.12	6.45	10.97	6.42	.045	.045	.045	.000	219.20	466.04
.011241	149.	149.	149.	20	13	0	.00	226.03	692.07

\*SECNO 5.539

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	442.8	691.1	TYPE=	1	TARGET=	248.300			
5.539	9.75	232.05	232.05	233.49	233.97	1.92	3.30	.40	229.70
5100.0	117.0	4951.6	31.4	23.0	439.8	6.2	58.8	13.8	229.40
.13	5.08	11.26	5.05	.040	.040	.040	.000	222.30	547.09
.015268	253.	253.	253.	7	14	0	.00	135.92	683.01

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.586

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.58

3470 ENCROACHMENT STATIONS=		772.0	900.0	TYPE=	1	TARGET=	128.000		
5.586	9.18	235.48	.00	236.65	236.51	1.03	2.23	.31	234.00
5100.0	.0	5100.0	.0	.0	627.4	.0	61.9	14.5	100000.00
.14	.00	8.13	.00	.000	.040	.000	.000	226.30	772.00
.006137	250.	242.	230.	2	0	0	.00	128.00	900.00

\*SECNO 5.598

3470 ENCROACHMENT STATIONS=		926.0	1280.9	TYPE=	1	TARGET=	354.900		
5.598	6.89	235.79	235.61	238.26	237.23	1.44	.49	.23	232.00
5100.0	2781.6	2317.4	1.0	331.6	212.0	.6	62.7	14.7	235.20
.14	8.39	10.93	1.75	.040	.040	.040	.000	228.90	1085.29
.012022	60.	59.	60.	4	15	0	.00	180.39	1265.68

\*SECNO 5.634

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.59

3470 ENCROACHMENT STATIONS=		935.1	1271.0	TYPE=	1	TARGET=	335.900		
5.634	8.26	238.06	.00	239.11	238.34	.28	.71	.40	234.70
5100.0	3728.8	1336.5	34.7	958.0	255.3	20.3	66.5	15.8	236.40
.15	3.89	5.24	1.71	.040	.040	.040	.000	229.80	944.41
.001789	190.	190.	190.	2	0	0	.00	316.65	1261.06

\*SECNO 5.670

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .66

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 1127.5 1395.3 TYPE= 1 TARGET= 267.800

5.670	8.32	238.42	.00	239.49	238.95	.53	.47	.14	237.90
4970.0	3538.7	1423.6	7.7	652.3	209.8	5.0	71.0	17.0	237.30
.16	5.42	6.79	1.56	.040	.040	.040	.000	230.10	1138.50
.003846	186.	186.	186.	2	0	0	.00	231.74	1370.24

\*SECNO 5.675

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 1116.7 1393.4 TYPE= 1 TARGET= 276.700

5.675	8.02	238.42	.00	239.51	239.21	.78	.12	.14	238.90
4970.0	2571.3	2378.4	20.3	451.5	283.2	10.0	71.5	17.1	237.20
.16	5.70	8.40	2.03	.040	.040	.040	.000	230.40	1128.19
.005766	26.	26.	26.	2	0	0	.00	230.29	1361.65

\*SECNO 5.681

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.11

3470 ENCROACHMENT STATIONS= 1250.3 1817.3 TYPE= 1 TARGET= 567.000

5.681	8.71	239.41	.00	240.77	239.50	.09	.05	.24	239.30
4970.0	.0	912.0	4058.0	.0	316.7	1763.2	72.6	17.4	236.60
.17	.00	2.88	2.30	.000	.040	.040	.000	230.70	1250.30
.000596	33.	33.	33.	2	0	0	.00	506.20	1756.50

\*SECNO 5.728

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .53

3470 ENCROACHMENT STATIONS= 1409.9 1984.8 TYPE= 1 TARGET= 574.900

5.728	7.21	239.61	.00	240.95	239.82	.21	.26	.06	236.90
4970.0	126.0	1313.2	3530.7	60.2	290.0	1058.8	82.7	20.4	237.70
.19	2.09	4.53	3.33	.040	.040	.040	.000	232.40	1416.23
.002121	254.	254.	254.	2	0	0	.00	511.00	1927.23

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.776

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .61

3470 ENCROACHMENT STATIONS=		1320.3	1908.6	TYPE=	1	TARGET=	588.300		
5.776	7.55	240.25	.00	241.37	240.82	.57	.80	.20	239.00
4970.0	53.1	1481.4	3435.5	24.2	179.4	705.1	89.3	22.9	239.20
.20	2.19	8.26	4.87	.040	.040	.040	.000	232.70	1500.44
.005727	245.	245.	245.	2	0	0	.00	399.56	1900.00

\*SECNO 5.823

5.823	7.71	241.91	.00	242.66	242.44	.53	1.60	.01	240.90
4970.0	8.9	1094.0	3867.1	4.5	171.2	679.3	94.3	25.1	241.90
.21	1.99	6.39	5.69	.040	.040	.040	.000	234.20	1331.86
.007225	250.	250.	250.	3	0	0	.00	368.60	1700.47

\*SECNO 5.870

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.870	7.92	244.22	244.22	244.90	245.18	.96	2.19	.23	241.90
4970.0	93.6	1770.9	3105.5	22.8	167.8	528.7	99.0	27.2	242.30
.22	4.11	10.55	5.87	.040	.040	.040	.000	236.30	898.87
.010104	250.	252.	260.	3	9	0	.00	324.98	1223.85

\*SECNO 5.918

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=		350.9	490.0	TYPE=	1	TARGET=	139.100		
5.918	9.97	249.27	249.27	250.54	251.06	1.79	2.78	.46	247.10
4970.0	319.2	4650.8	.0	59.4	422.8	.0	102.3	28.5	100000.00
.23	5.38	11.00	.00	.040	.040	.000	.000	239.30	350.90
.013360	270.	244.	230.	20	11	0	.00	139.10	490.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.965

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.78

3470 ENCROACHMENT STATIONS=	.1	573.4	TYPE=	1	TARGET=	573.300			
5.965	12.44	252.34	.00	254.11	253.13	.79	1.72	.35	250.40
4970.0	1023.6	2797.1	1149.3	269.7	323.5	225.8	106.0	29.7	249.30
.24	3.80	8.65	5.09	.040	.040	.040	.000	239.90	217.61
.004235	248.	248.	248.	2	0	0	.00	295.26	512.87

\*SECNO 6.012

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.012	9.78	255.18	255.18	255.89	256.28	1.10	1.35	.17	250.40
4970.0	1064.9	2887.4	1017.7	174.0	285.4	247.0	110.4	31.4	253.90
.24	6.12	10.12	4.12	.040	.040	.040	.000	245.40	223.63
.007062	250.	250.	250.	20	14	0	.00	289.20	512.83

\*SECNO 6.060

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.060	11.11	258.81	258.81	259.72	260.03	1.22	1.91	.06	256.50
4970.0	126.2	3238.2	1605.6	32.9	315.9	295.5	114.1	32.9	257.50
.25	3.83	10.25	5.43	.040	.040	.040	.000	247.70	132.51
.008805	250.	243.	240.	20	12	0	.00	248.26	380.77

\*SECNO 6.107

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.107	12.59	262.29	262.29	263.27	263.53	1.24	1.86	.01	259.60
4970.0	484.1	3451.3	1034.6	111.0	335.1	224.6	117.7	34.2	260.30
.26	4.36	10.30	4.61	.040	.040	.040	.000	249.70	163.21
.006857	200.	244.	240.	0	8	0	.00	250.75	413.96

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.154

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.154	12.19	265.49	265.49	266.55	266.76	1.26	1.65	.01	271.40
4970.0	.0	3624.5	1345.5	.0	354.0	316.8	121.8	35.7	262.40
.27	.00	10.24	4.25	.000	.040	.040	.000	253.30	125.72
.005854	250.	258.	270.	2	10	0	.00	235.66	361.39

\*SECNO 6.202

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.202	13.26	267.36	267.36	268.79	269.08	1.71	1.62	.25	269.70
4970.0	.0	4406.7	563.3	.0	398.2	140.6	125.1	36.8	265.00
.28	.00	11.07	4.01	.000	.040	.040	.000	254.10	186.40
.007370	250.	251.	230.	2	8	0	.00	176.36	362.76

\*SECNO 6.249

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.249	13.38	269.38	269.38	271.54	272.11	2.73	2.43	.56	270.80
4970.0	.0	4964.1	5.9	.0	374.0	4.3	127.8	37.6	269.00
.28	.00	13.27	1.39	.000	.040	.040	.000	256.00	177.97
.013123	252.	252.	252.	2	5	0	.00	84.36	262.33

\*SECNO 6.296

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.94

6.296	13.33	273.53	.00	275.70	274.26	.73	1.45	.70	275.80
4970.0	.0	3177.7	1792.3	.0	412.3	360.7	130.9	38.2	269.70
.29	.00	7.71	4.97	.000	.040	.040	.000	260.20	218.57
.003480	320.	248.	200.	3	0	0	.00	171.39	389.96

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.311

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.311	11.93	273.03	273.03	275.01	275.39	2.35	.14	.89	275.30
4970.0	.0	4513.5	456.5	.0	349.8	203.4	131.8	38.4	271.60
.29	.00	12.90	2.24	.000	.015	.040	.000	261.10	255.26
.001401	50.	79.	35.	3	15	0	.00	151.50	406.77

OCHV= .500 CEHV= .700

\*SECNO 6.313

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 250.5 478.3 TYPE= 1 TARGET= 227.800

END OF HACIENDA DRIVE -PRIVATE ROAD

VARIABLE COFQ WAS DECREASED TO 2. AFTER INITIAL RUN INDICATED SUBMERGED

FLOW FOR THE 100 YR. OCCURANCE.

6.313	12.97	274.17	274.17	275.91	276.50	2.33	.02	.01	271.20
4970.0	35.4	3726.3	1208.3	17.0	265.8	359.8	131.9	38.4	271.20
.29	2.08	14.02	3.36	.040	.015	.040	.000	261.20	265.48
.001660	10.	10.	10.	20	8	0	.00	151.97	417.45

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 267.23 , NOT 274.17 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.53	2.00	.00	32.00	8.67	164.00	.00	261.20	261.20

\*SECNO 6.316

6870 D.S. ENERGY OF 276.50 IS HIGHER THAN COMPUTED ENERGY OF 276.20  
 PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
295.99	280.52	.00	3468.	1516.	164.	210.	270.20	271.50	173.
6.316	13.18	274.38	.00	276.25	276.50	2.11	.00	.00	271.20
4970.0	41.5	3653.2	1275.2	19.9	271.3	385.6	132.2	38.5	271.20
.29	2.09	13.47	3.31	.040	.015	.040	.000	261.20	264.21
.001492	16.	16.	16.	5	0	0	.00	154.88	419.09

\*SECNO 6.324

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .65

3470 ENCROACHMENT STATIONS=	206.0	476.3	TYPE=	1	TARGET=	270.300			
6.324	14.43	276.83	274.49	279.07	277.36	.54	.07	.79	277.50
4970.0	.0	2812.8	2157.2	.0	431.9	439.4	132.7	38.6	271.90
.29	.00	6.51	4.91	.000	.050	.050	.000	262.40	285.42
.003481	80.	41.	20.	19	10	0	.00	153.44	438.86

\*SECNO 6.366

6.366	10.45	277.75	.00	279.89	278.68	.92	1.04	.27	273.10
4970.0	1293.3	3676.7	.0	255.1	435.2	.0	137.1	39.5	285.70
.30	5.07	8.45	.00	.050	.050	.000	.000	267.30	170.04
.005656	450.	223.	160.	2	0	0	.00	144.06	314.10

\*SECNO 6.413

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .66

6.413	8.28	279.08	.00	280.85	280.37	1.29	1.44	.25	275.40
4970.0	1897.5	3040.7	31.8	267.0	298.2	13.4	139.3	40.0	277.90
.31	7.11	10.20	2.37	.050	.050	.050	.000	270.80	155.26
.012906	30.	243.	430.	2	0	0	.00	173.27	328.53

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.460

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.86

6.460	9.89	281.79	.00	283.10	282.31	.53	1.57	.38	275.50
4970.0	864.7	1598.2	2507.1	159.4	225.6	500.8	143.7	41.0	276.00
.32	5.42	7.09	5.01	.050	.050	.050	.000	271.90	133.44
.003750	160.	243.	350.	2	0	0	.00	187.97	321.41

\*SECNO 6.494

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .59

3470 ENCROACHMENT STATIONS= 89.0 332.4 TYPE= 1 TARGET= 243.400

6.494	9.08	282.38	.00	283.72	283.32	.93	.72	.28	287.20
4970.0	.0	1346.9	3623.1	.0	169.4	472.5	145.8	41.5	278.90
.33	.00	7.95	7.67	.000	.050	.050	.000	273.30	102.58
.010628	240.	174.	80.	2	0	0	.00	163.03	265.61

\*SECNO 6.522

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.53

6.522	8.98	283.48	.00	285.07	284.01	.52	.49	.20	282.60
4970.0	2.3	2707.7	2260.0	2.0	413.3	473.5	147.0	41.7	277.90
.33	1.15	6.55	4.77	.050	.050	.050	.000	274.50	182.67
.004555	90.	151.	20.	3	0	0	.00	216.12	398.79

\*SECNO 6.523

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.523	8.99	283.49	283.49	285.07	285.60	2.11	.05	1.11	282.70
4970.0	7.9	4470.2	492.0	3.5	369.7	76.4	147.1	41.8	279.40
.33	2.25	12.09	6.44	.050	.050	.050	.000	274.50	179.28
.017147	30.	8.	0.	3	5	0	.00	109.92	289.20

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.555

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.66

3470 ENCROACHMENT STATIONS=	6.555	11.96	286.96	371.6	1500.0	TYPE=	1	TARGET=	1128.400			
	4970.0	31.6	2442.1	2496.3	19.2	560.2	834.6	151.9	42.8	280.00		
	.34	1.65	4.36	2.99	.050	.050	.050	.000	275.00	386.29		
	.001280	85.	157.	300.	2	0	0	.00	279.32	665.60		

\*SECNO 6.602

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .44

3470 ENCROACHMENT STATIONS=	6.602	11.42	287.42	647.8	1013.3	TYPE=	1	TARGET=	365.500			
	4900.0	.4	1822.0	3077.6	.4	233.4	585.4	158.0	44.2	284.20		
	.35	1.04	7.81	5.26	.050	.050	.050	.000	276.00	665.73		
	.006572	190.	250.	230.	3	0	0	.00	242.14	907.87		

\*SECNO 6.650

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	6.650	12.43	289.63	779.0	998.1	TYPE=	1	TARGET=	219.100			
	4900.0	.0	3958.1	941.9	.0	362.9	178.0	163.2	45.9	285.30		
	.36	.00	10.91	5.29	.000	.050	.050	.000	277.20	784.72		
	.009932	45.	251.	400.	3	0	0	.00	142.78	927.50		

\*SECNO 6.697

3470 ENCROACHMENT STATIONS=	6.697	13.63	292.13	561.5	759.0	TYPE=	1	TARGET=	197.500			
	4900.0	.0	4245.7	654.3	.0	423.0	182.1	166.0	46.6	289.70		
	.37	.00	10.04	3.59	.000	.050	.050	.000	278.50	563.31		
	.009318	410.	245.	150.	4	0	0	.00	195.69	759.00		

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.725

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.72

3470 ENCROACHMENT STATIONS=		306.4	541.4	TYPE=	1	TARGET=	235.000		
6.725	14.77	294.07	.00	295.02	294.63	.56	.71	.41	293.00
4900.0	.0	4012.4	887.6	.0	627.4	238.4	168.3	47.0	289.00
.38	.00	6.40	3.72	.000	.050	.050	.000	279.30	306.40
.003138	200.	150.	90.	2	0	0	.00	161.62	468.02

\*SECNO 6.744

3470 ENCROACHMENT STATIONS=		731.8	903.3	TYPE=	1	TARGET=	171.500		
6.744	15.07	294.37	.00	295.44	294.98	.61	.32	.03	293.30
4900.0	.0	4821.9	78.1	.0	766.2	50.6	170.2	47.4	292.80
.38	.00	6.29	1.54	.000	.050	.050	.000	279.30	731.80
.003237	110.	100.	90.	3	0	0	.00	159.28	891.08

CCHV= .200 CEHV= .400

\*SECNO 6.747

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.56

3470 ENCROACHMENT STATIONS=		439.0	569.5	TYPE=	1	TARGET=	130.500		
BREEZE HILL DRIVE BRIDGE									
VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUN INDICATED SUBMERGED									
FLOW FOR THE 100 YR. OCCURANCE.									
6.747	18.30	294.60	.00	295.71	295.04	.43	.02	.03	290.30
4900.0	.0	4611.5	288.5	.0	851.4	140.8	170.4	47.4	290.30
.38	.00	5.42	2.05	.000	.050	.050	.000	276.30	439.00
.001338	11.	11.	11.	2	0	0	.00	118.90	557.90

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.79	1.50	.00	28.00	10.00	432.00	1.50	276.30	276.30

\*SECNO 6.750

3265 DIVIDED FLOW

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
298.18	295.22	.19	2652.	2255.	432.	432.	288.30	290.30	358.
6.750	18.79	295.09	.00	295.82	295.36	.27	.32	.00	290.30
4900.0	610.8	3987.4	301.8	386.6	882.9	167.9	170.9	47.5	290.30
.38	1.58	4.52	1.80	.050	.050	.050	.000	276.30	201.78
.000820	18.	18.	18.	2	0	3	.00	343.03	558.44

\*SECNO 6.775

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .41

3470 ENCROACHMENT STATIONS=	364.0	671.8	TYPE=	1	TARGET=	307.800
6.775	16.30	294.90	.00	296.08	295.84	.95
4900.0	12.7	4881.9	5.4	12.4	624.1	6.6
.39	1.03	7.82	.82	.050	.050	.050
.004912	110.	128.	140.	2	0	0
						.21
						.27
						173.9
						48.2
						.000
						278.60
						141.02
						515.85

OCHV= .350 CEHV= .600

\*SECNO 6.779

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 4.37

3470 ENCROACHMENT STATIONS= 188.2 796.3 TYPE= 1 TARGET= 608.100  
 FRONTAGE ROAD (HACIENDA DR ) BRIDGE  
 VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUN INDICATED SUBMERGED  
 FLOW FOR THE 100 YR. OCCURANCE.

6.779	13.89	295.19	.00	296.18	295.93	.74	.01	.07	294.30
4900.0	41.1	4846.3	12.6	84.6	696.8	36.5	174.3	48.3	294.30
.39	.49	6.96	.35	.050	.015	.050	.000	281.30	254.90
.000257	22.	22.	22.	2	0	0	.00	221.15	486.69

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.90	1.50	.00	68.00	18.00	450.00	.00	281.30	281.30

\*SECNO 6.799

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .22

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
298.68	296.67	.74	1469.	3434.	450.	450.	290.30	294.30	428.

3470 ENCROACHMENT STATIONS= 260.0 405.0 TYPE= 1 TARGET= 145.000

6.799	14.54	295.84	.00	296.51	296.90	1.06	.98	.00	294.30
4900.0	484.6	4415.4	.0	154.0	510.5	.0	176.0	48.7	100000.00
.39	3.15	8.65	.00	.045	.050	.000	.000	281.30	260.00
.005154	100.	100.	100.	3	0	2	.00	145.00	405.00

\*SECNO 6.803

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.34

3470 ENCROACHMENT STATIONS=	259.1	650.1	TYPE=	1	TARGET=	391.000			
6.803	14.77	297.07	.00	298.66	297.33	.26	.14	.28	290.60
4900.0	979.1	3812.2	108.7	305.0	879.0	92.9	177.7	49.0	295.30
.40	3.21	4.34	1.17	.045	.050	.045	.000	282.30	267.94
.000942	120.	70.	20.	2	0	0	.00	222.82	490.76

\*SECNO 6.822

3470 ENCROACHMENT STATIONS=	236.6	640.7	TYPE=	1	TARGET=	404.100			
6.822	14.71	297.21	.00	298.82	297.43	.22	.09	.01	292.80
4900.0	305.8	4371.6	222.6	133.3	1112.1	146.2	180.7	49.6	294.60
.40	2.29	3.93	1.52	.045	.050	.045	.000	282.50	254.23
.000819	98.	98.	98.	2	0	0	.00	239.13	493.36

\*SECNO 6.836

3470 ENCROACHMENT STATIONS=	225.0	770.0	TYPE=	1	TARGET=	545.000			
6.836	14.67	297.27	.00	298.92	297.49	.22	.06	.00	292.70
4900.0	203.0	4376.8	320.2	83.4	1106.8	229.7	183.1	50.0	294.90
.41	2.43	3.95	1.39	.045	.050	.045	.000	282.60	254.80
.000901	70.	73.	70.	0	0	0	.00	297.18	551.98

\*SECNO 6.884

3470 ENCROACHMENT STATIONS=	225.0	770.0	TYPE=	1	TARGET=	545.000			
6.884	13.90	297.50	.00	299.15	297.84	.34	.28	.07	294.50
4900.0	14.4	4639.2	246.5	9.4	968.8	146.5	190.4	51.5	295.40
.43	1.53	4.79	1.68	.045	.050	.045	.000	283.60	232.83
.001440	245.	250.	260.	1	0	0	.00	219.32	452.15

\*SECNO 6.931

3470 ENCROACHMENT STATIONS=	225.0	770.0	TYPE=	1	TARGET=	545.000			
6.931	12.90	297.90	.00	299.55	298.41	.51	.47	.10	295.80
4900.0	89.1	4667.5	143.3	34.4	795.5	71.7	196.2	52.6	296.80
.44	2.59	5.87	2.00	.045	.050	.045	.000	285.00	517.85
.002523	250.	250.	250.	2	0	0	.00	171.03	688.88

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.978

3470 ENCROACHMENT STATIONS=	.1	607.5	TYPE=	1	TARGET=	607.400			
6.978	12.09	298.59	.00	300.27	299.14	.55	.71	.02	303.10
4900.0	.0	4900.0	.0	.0	826.6	.0	201.1	53.5	100000.00
.45	.00	5.93	.00	.000	.050	.000	.000	286.50	476.37
.003331	240.	245.	245.	2	0	0	.00	125.58	601.95

\*SECNO 7.026

3470 ENCROACHMENT STATIONS=	.1	825.0	TYPE=	1	TARGET=	824.900			
7.026	10.31	299.51	.00	301.33	300.14	.63	.95	.05	301.80
4900.0	.0	4900.0	.0	.0	770.8	.0	205.7	54.2	100000.00
.46	.00	6.36	.00	.000	.050	.000	.000	289.20	692.78
.004302	251.	251.	251.	2	0	0	.00	128.23	821.01

OCHV= .500 CEHV= .700

\*SECNO 7.071

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.31

3470 ENCROACHMENT STATIONS=	854.8	905.2	TYPE=	1	TARGET=	50.400			
VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUN INDICATED SUBMERGED FLOW FOR THE 100 YR. OCCURANCE.									
7.071	9.57	299.57	.00	301.25	301.19	1.62	.36	.69	303.00
4900.0	.0	4900.0	.0	.0	479.8	.0	209.0	54.7	100000.00
.47	.00	10.21	.00	.000	.015	.000	.000	290.00	854.89
.000803	232.	232.	232.	2	0	0	.00	50.24	905.13

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.89	1.50	.00	68.00	18.00	450.00	.00	290.00	290.00

\*SECNO 7.088

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

PRESS FLOW BECAUSE EGLWC OF 303.69 EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.41

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
303.05	303.69	3.21	1.	4881.	450.	450.	299.00	303.00	93.

3470 ENCROACHMENT STATIONS=	800.0	1050.0	TYPE=	1	TARGET=	250.000			
7.088	12.00	302.00	.00	304.42	303.03	1.03	1.83	.00	303.00
4900.0	.0	4900.0	.0	.0	601.7	.0	210.1	54.8	301.00
.47	.00	8.14	.01	.000	.015	.045	.000	290.00	854.83
.000406	90.	90.	90.	3	0	0	.00	50.42	905.25

\*SECNO 7.091

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .62

3470 ENCROACHMENT STATIONS=	2050.0	2350.0	TYPE=	1	TARGET=	300.000			
7.091	10.88	302.98	.00	306.27	303.36	.38	.01	.32	302.30
4900.0	5.3	4757.6	137.1	9.0	943.7	101.9	210.6	54.8	302.10
.47	.59	5.04	1.34	.040	.035	.040	.000	292.10	2105.50
.001056	24.	24.	24.	3	0	0	.00	244.50	2350.00

\*SECNO 7.138

7.138	11.34	303.34	.00	306.55	303.64	.29	.23	.05	302.20
4900.0	25.2	3931.0	943.8	22.8	827.9	469.4	216.9	56.4	302.90
.49	1.10	4.75	2.01	.040	.035	.040	.000	292.00	697.13
.000860	270.	243.	200.	2	0	0	.00	358.84	1055.97

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 7.186

3470 ENCROACHMENT STATIONS=	.1	1120.0	TYPE=	1	TARGET=	1119.900			
7.186	11.19	303.59	.00	306.63	304.00	.41	.28	.08	302.50
4900.0	1.1	4631.0	267.9	1.2	877.7	155.5	223.9	58.3	303.00
.50	.89	5.28	1.72	.040	.035	.040	.000	292.40	764.02
.001473	230.	252.	270.	0	0	0	.00	281.87	1045.89

\*SECNO 7.233

7.233	10.33	303.93	.00	306.71	304.59	.67	.41	.18	302.70
4900.0	32.0	4866.2	1.8	18.8	739.5	1.6	229.1	59.5	302.50
.51	1.70	6.58	1.15	.040	.035	.040	.000	293.60	738.89
.001896	260.	247.	290.	2	0	0	.00	127.24	866.13

CCHV= .500 CEHV= .700

\*SECNO 7.263

3301 HV CHANGED MORE THAN HVINS

7.263	7.75	303.65	.00	306.20	306.12	2.47	.26	1.26	310.90
4900.0	.0	4900.0	.0	.0	388.3	.0	231.1	59.9	310.90
.51	.00	12.62	.00	.000	.015	.000	.000	295.90	104.91
.001512	157.	157.	157.	2	0	0	.00	50.17	155.09

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 299.53 , NOT 303.65 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	2.11	2.50	.00	68.00	18.00	450.00	.00	295.90	295.90

\*SECNO 7.300

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.51

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
307.53	307.45	.00	0.	4900.	450.	450.	304.90	310.90	0.
7.300	10.21	306.11	.00	312.01	307.53	1.42	1.41	.00	310.90
4900.0	.0	4900.0	.0	.0	511.7	.0	233.2	60.1	310.90
.52	.00	9.58	.00	.000	.015	.000	.000	295.90	104.88
.000664	200.	200.	200.	3	0	0	.00	50.24	155.12

\*SECNO 7.304

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.34

7.304	12.46	307.76	.00	313.53	308.09	.33	.01	.55	309.80
4900.0	.1	4899.9	.0	.5	1061.5	.0	233.8	60.2	308.20
.52	.15	4.62	.00	.040	.015	.000	.000	295.30	33.42
.000121	40.	33.	40.	3	0	0	.00	118.52	179.18

\*SECNO 7.351

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .64

3470 ENCROACHMENT STATIONS=	605.0	1100.0	TYPE=	1	TARGET=	495.000			
7.351	12.40	307.70	.00	313.48	308.37	.67	.04	.24	308.60
4900.0	.0	4900.0	.0	.0	743.8	.0	238.9	60.8	309.00
.53	.00	6.59	.00	.000	.015	.000	.000	295.30	647.36
.000293	260.	248.	90.	2	0	0	.00	92.03	739.38

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 7.375

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

7.375	12.04	307.54	.00	313.41	308.91	1.37	.05	.49	309.00
4900.0	.0	4900.0	.0	.0	521.8	.0	240.7	61.0	309.40
.54	.00	9.39	.00	.000	.015	.000	.000	295.50	550.06
.000605	140.	121.	100.	2	0	0	.00	61.87	611.93

T1  
T2  
T3

BUENA VISTA CREEK 500 YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.00	0006.000					-1.000		191.52	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IEW	CHNIM	ITRACE
	15.0		-1.0							

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*PROF 5  
0

OCHV= .300 CEHV= .600  
 \*SECNO 4.727  
 4.727 14.02 191.52 .00 191.52 194.15 2.63 .00 .00 183.30  
 18000.0 3433.0 13804.0 763.0 818.6 939.6 263.0 .0 .0 187.30  
 .00 4.19 14.69 2.90 .040 .015 .030 .000 177.50 307.46  
 .001017 218. 218. 200. 0 0 0 .00 359.55 667.01

\*SECNO 4.728

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

VARIABLE COFQ WAS DECREASED TO 2. AFTER INITIAL RUN INDICATED SUBMERGED FLOW FOR THE 100 YR. OCCURANCE.

UPSTREAM REACH PART 2 OF 2

BRIDGE AT THUNDER DRIVE

4.728	20.01	197.21	197.21	.00	199.15	1.94	.00	.21	191.20
18000.0	3293.0	10648.0	4059.0	1176.3	745.5	1175.8	.3	.1	191.20
.00	2.80	14.28	3.45	.040	.015	.030	.000	177.20	245.38
.000804	5.	5.	5.	20	13	0	.00	760.61	1087.03

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 189.25 , NOT 197.21 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.60	2.00	.00	45.00	9.00	242.00	.00	177.20	177.20

\*SECNO 4.739

6870 D.S. ENERGY OF 199.15 IS HIGHER THAN COMPUTED ENERGY OF 198.49

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
334.66	207.96	.00	16263.	1741.	242.	252.	184.20	191.20	843.
4.739	20.08	197.28	.00	.00	199.15	1.87	.00	.00	191.20
18000.0	3335.8	10537.0	4127.2	1201.0	748.3	1206.1	4.2	1.0	191.20
.00	2.78	14.08	3.42	.040	.015	.030	.000	177.20	242.70
.000777	54.	54.	54.	5	0	8	.00	769.26	1087.25

CCHV= .300 CEHV= .600  
 \*SECNO 4.744

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	863.5	921.5	TYPE=	1	TARGET=	58.000			
4.744	17.85	197.85	197.85	191.74	205.17	7.31	.04	3.27	192.60
18000.0	.4	17988.2	11.4	.5	828.5	4.8	6.0	1.4	188.20
.00	.83	21.71	2.37	.015	.015	.015	.000	180.00	863.50
.001543	30.	39.	50.	20	11	0	.00	58.00	921.50

\*SECNO 4.758  
 7185 MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	864.5	922.5	TYPE=	1	TARGET=	58.000			
4.758	17.63	198.23	198.23	192.13	205.72	7.49	.12	.11	100000.00
18000.0	.0	17673.4	326.6	.0	798.5	37.8	7.3	1.5	189.40
.00	.00	22.13	8.64	.000	.015	.015	.000	180.60	864.50
.001845	69.	69.	69.	2	5	0	.00	58.00	922.50

\*SECNO 4.767  
 7185 MINIMUM SPECIFIC ENERGY

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=	953.5	1011.5	TYPE=	1	TARGET=	58.000			
4.767	18.12	199.12	199.12	192.91	206.92	7.80	.08	.19	189.40
18000.0	624.3	17013.4	362.3	64.2	741.5	43.6	8.2	1.6	189.60
.00	9.72	22.94	8.31	.015	.015	.015	.000	181.00	953.50
.001552	47.	47.	47.	3	8	0	.00	58.00	1011.50

\*SECNO 4.814

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.44

3470 ENCROACHMENT STATIONS=	801.5	938.0	TYPE=	1	TARGET=	136.500			
4.814	25.11	208.21	.00	194.79	209.08	.87	.08	2.08	191.20
18000.0	2331.1	9090.4	6578.5	435.7	1057.2	1031.6	17.8	2.1	190.80
.01	5.35	8.60	6.38	.015	.015	.015	.000	183.10	801.50
.000131	247.	247.	247.	4	0	0	.00	136.50	938.00

\*SECNO 4.829

3470 ENCROACHMENT STATIONS=	779.5	916.0	TYPE=	1	TARGET=	136.500			
4.829	24.51	208.21	.00	194.94	209.10	.89	.01	.01	191.40
18000.0	2068.1	9426.0	6505.9	392.6	1090.0	1016.3	22.0	2.3	190.70
.02	5.27	8.65	6.40	.015	.015	.015	.000	183.70	779.50
.000133	74.	74.	74.	2	0	0	.00	136.50	916.00

\*SECNO 4.876

3470 ENCROACHMENT STATIONS=	754.5	891.0	TYPE=	1	TARGET=	136.500			
4.876	23.02	208.22	.00	196.31	209.18	.96	.04	.04	192.40
18000.0	3420.3	8539.2	6040.5	452.0	970.5	932.2	36.0	3.1	192.20
.02	7.57	8.80	6.48	.015	.015	.015	.000	185.20	754.50
.000151	250.	250.	250.	2	0	0	.00	136.50	891.00

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 4.923

3470 ENCROACHMENT STATIONS=	799.5	936.0	TYPE=	1	TARGET=	136.500			
4.923	21.67	208.17	.00	197.78	209.37	1.20	.04	.15	194.20
18000.0	3148.1	9593.4	5258.6	434.6	958.0	739.6	48.9	3.9	194.60
.03	7.24	10.01	7.11	.015	.015	.015	.000	186.50	799.50
.000218	250.	250.	250.	2	0	0	.00	136.50	936.00

\*SECNO 4.971

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .46

3470 ENCROACHMENT STATIONS=	620.5	694.0	TYPE=	1	TARGET=	73.500			
4.971	18.93	207.13	.00	199.26	211.19	4.06	.10	1.71	195.70
18000.0	4784.8	13215.2	.0	338.0	785.1	.0	58.2	4.5	10000.00
.04	14.16	16.83	.00	.015	.015	.000	.000	188.20	620.50
.001029	251.	251.	251.	3	0	0	.00	73.50	694.00

\*SECNO 5.018

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.63

5.018	22.96	212.36	.00	202.91	212.51	.14	.15	1.17	203.20
18000.0	9664.3	6638.8	1696.9	3915.1	1706.9	956.1	80.0	7.0	202.70
.06	2.47	3.89	1.77	.050	.050	.050	.000	189.40	142.10
.000389	250.	246.	230.	4	0	0	.00	801.90	944.00

\*SECNO 5.065

5.065	22.46	212.46	.00	204.66	212.64	.17	.11	.02	204.70
18000.0	8941.6	8089.6	968.8	3589.8	1916.2	592.5	116.1	11.7	208.70
.08	2.49	4.22	1.64	.050	.050	.050	.000	190.00	147.47
.000532	250.	247.	240.	2	0	0	.00	859.98	1007.45

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.113

5.113	21.99	212.59	.00	205.71	212.89	.30	.17	.08	207.50
18000.0	8897.9	8239.5	862.6	2917.5	1454.2	450.7	146.4	16.4	202.80
.10	3.05	5.67	1.91	.050	.050	.050	.000	190.60	206.78
.001009	230.	254.	280.	0	0	0	.00	822.14	1028.92

\*SECNO 5.160

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .62

5.160	21.08	212.78	.00	207.43	213.57	.78	.39	.29	208.40
18000.0	5297.7	12293.4	408.9	1516.9	1486.7	218.3	169.4	20.9	211.60
.11	3.49	8.27	1.87	.050	.050	.050	.000	191.70	230.02
.002656	240.	258.	270.	0	0	0	.00	772.95	1002.98

\*SECNO 5.207

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.207	20.58	213.78	213.78	208.72	215.30	1.52	.89	.44	211.00
18000.0	4178.8	12916.9	904.2	931.2	1136.5	346.3	185.1	25.2	209.90
.12	4.49	11.37	2.61	.050	.050	.050	.000	193.20	328.35
.005367	242.	242.	242.	2	6	0	.00	768.07	1096.42

\*SECNO 5.258

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.258	20.58	215.78	215.78	211.16	217.98	2.20	1.73	.41	215.50
18000.0	20.1	13728.5	4251.5	14.3	1029.8	837.6	198.1	28.9	212.90
.12	1.40	13.33	5.08	.050	.050	.050	.000	195.20	459.70
.008139	264.	264.	264.	2	5	0	.00	459.69	919.39

\*SECNO 5.267

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.44

5.267	21.86	217.46	.00	211.65	218.58	1.11	.27	.33	216.20
18000.0	153.8	11075.5	6770.7	86.0	1094.7	1412.6	200.6	29.5	212.90
.12	1.79	10.12	4.79	.050	.050	.050	.000	195.60	401.63
.003933	49.	49.	49.	6	0	0	.00	535.99	937.62

OCHV= .350 CEHV= .550  
\*SECNO 5.271

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
3693 PROBABLE MINIMUM SPECIFIC ENERGY  
3720 CRITICAL DEPTH ASSUMED

SUNSET DRIVE BRIDGE

5.271	25.45	221.05	221.05	211.15	223.23	2.17	.05	.58	217.00
18000.0	1857.7	12341.2	3801.1	784.5	869.9	1438.2	202.0	29.8	217.00
.12	2.37	14.19	2.64	.050	.020	.050	.000	195.60	188.94
.001433	21.	21.	21.	20	9	0	.00	756.71	945.65

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.91	2.80	34.40	42.00	5.25	661.50	.00	195.60	195.60

\*SECNO 5.276  
6870 D.S. ENERGY OF 223.23 IS HIGHER THAN COMPUTED ENERGY OF 221.64  
PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
243.01	224.28	1.05	15192.	2933.	662.	662.	213.60	217.50	789.
5.276	25.68	221.28	.00	214.47	223.23	1.95	.00	.00	217.00
18000.0	2009.1	11960.2	4030.7	853.6	877.8	1537.9	203.7	30.2	217.00
.12	2.35	13.62	2.62	.050	.020	.050	.000	195.60	179.86
.001306	24.	24.	24.	3	0	4	.00	769.45	949.31

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.278

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.07

5.278	26.26	223.76	.00	215.75	223.88	.12	.01	.64	216.30
18000.0	3680.7	5628.2	8691.1	2117.2	1514.0	3665.6	206.0	30.6	214.10
.13	1.74	3.72	2.37	.045	.045	.045	.000	197.50	89.82
.000306	19.	19.	19.	3	0	0	.00	1066.24	1156.07

\*SECNO 5.302

5.302	25.08	223.78	.00	217.48	223.94	.16	.04	.02	219.90
18000.0	775.4	6669.8	10554.8	606.4	1609.0	4041.5	224.3	33.4	213.50
.14	1.28	4.15	2.61	.045	.045	.045	.000	198.70	227.29
.000376	130.	124.	110.	2	0	0	.00	939.68	1166.97

\*SECNO 5.349

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .62

5.349	21.87	223.87	.00	218.20	224.15	.28	.14	.07	216.10
18000.0	899.9	4171.8	12928.3	335.5	735.1	3422.2	254.5	37.9	215.60
.15	2.68	5.68	3.78	.045	.045	.045	.000	202.00	193.46
.000964	245.	245.	245.	0	0	0	.00	672.05	883.59

\*SECNO 5.397

5.397	20.61	224.11	.00	219.91	224.53	.43	.31	.08	218.60
18000.0	350.5	4857.8	12791.7	115.2	688.8	2879.7	277.5	41.5	217.30
.17	3.04	7.05	4.44	.045	.045	.045	.000	203.50	8.91
.001672	245.	245.	245.	2	0	0	.00	596.94	605.85

\*SECNO 5.435

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .67

5.435	17.69	224.49	.00	221.17	225.15	.66	.49	.13	220.30
18000.0	60.8	8184.6	9754.6	19.6	1081.3	1780.6	292.8	44.2	222.00
.18	3.10	7.57	5.48	.045	.045	.045	.000	206.80	12.33
.003701	215.	204.	203.	2	0	0	.00	583.01	617.64

\*SECNO 5.463

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

5.463	17.99	224.79	.00	224.00	226.06	1.27	.58	.34	220.30
18000.0	2215.7	11373.1	4411.2	367.9	1061.0	979.0	302.1	46.1	220.50
.18	6.02	10.72	4.51	.045	.045	.045	.000	206.80	504.91
.003797	150.	157.	150.	2	0	0	.00	493.65	1025.82

\*SECNO 5.491

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

5.491	9.58	228.78	228.78	227.37	230.60	1.83	.94	.31	222.60
18000.0	6443.7	4305.4	7250.9	627.1	294.1	858.9	309.3	47.8	222.30
.18	10.28	14.64	8.44	.045	.045	.045	.000	219.20	456.74
.012640	149.	149.	149.	20	11	0	.00	487.06	1048.98

\*SECNO 5.539

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.42

5.539	9.77	232.07	.00	233.49	233.08	1.01	2.19	.29	229.70
18000.0	215.4	3205.2	14579.4	82.4	442.1	1758.9	321.1	51.0	229.40
.19	2.61	7.25	8.29	.040	.040	.040	.000	222.30	225.79
.006285	253.	253.	253.	2	0	0	.00	636.94	1100.95

\*SECNO 5.586

3265 DIVIDED FLOW

5.586	7.34	233.64	.00	236.65	234.55	.91	1.44	.03	234.00
18000.0	.0	2510.6	15489.4	.0	394.1	1971.6	333.5	54.3	234.20
.20	.00	6.37	7.86	.000	.040	.040	.000	226.30	774.68
.006117	250.	242.	230.	3	0	0	.00	589.23	1405.79

\*SECNO 5.598

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL  
 3693 PROBABLE MINIMUM SPECIFIC ENERGY  
 3720 CRITICAL DEPTH ASSUMED

5.598	10.27	239.17	239.17	238.26	240.92	1.75	.44	.46	232.00
18000.0	12823.3	5033.1	143.7	1392.9	369.1	26.6	336.3	55.1	235.20
.20	9.21	13.64	5.39	.040	.040	.040	.000	228.90	679.69
.008928	60.	59.	60.	20	14	0	.00	543.27	1277.10

\*SECNO 5.634

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 5.79

5.634	11.75	241.55	.00	239.11	241.65	.09	.15	.58	234.70
18000.0	4506.7	1055.2	12438.1	2301.9	392.1	4769.7	356.5	59.5	236.40
.22	1.96	2.69	2.61	.040	.040	.040	.000	229.80	216.06
.000267	190.	190.	190.	2	0	0	.00	1473.02	1798.45

\*SECNO 5.670

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .58

5.670	11.48	241.58	.00	239.49	241.79	.21	.08	.06	237.90
17600.0	5017.6	1349.3	11233.1	1488.9	329.3	3045.4	382.8	64.5	237.30
.24	3.37	4.10	3.69	.040	.040	.040	.000	230.10	804.63
.000768	186.	186.	186.	2	0	0	.00	838.52	1848.91

\*SECNO 5.675

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.675	10.45	240.85	240.85	239.51	243.07	2.22	.05	1.11	238.90
17600.0	11175.4	5892.7	531.9	1036.0	412.7	100.4	384.8	64.8	237.20
.24	10.79	14.28	5.30	.040	.040	.040	.000	230.40	989.92
.010377	26.	26.	26.	3	8	0	.00	368.71	1810.45

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.681

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 5.10

5.681	13.01	243.71	.00	240.77	243.84	.13	.04	.73	239.30
17600.0	4449.6	1849.9	11300.4	1741.6	545.3	3750.8	387.6	65.3	236.60
.24	2.55	3.39	3.01	.040	.040	.040	.000	230.70	543.02
.000399	33.	33.	33.	3	0	0	.00	972.38	1774.30

\*SECNO 5.728

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .62

5.728	11.40	243.80	.00	240.95	244.07	.27	.15	.08	236.90
17600.0	2801.8	2771.1	12027.2	916.1	562.6	2827.4	417.8	70.4	237.70
.26	3.06	4.93	4.25	.040	.040	.040	.000	232.40	1020.05
.001037	254.	254.	254.	2	0	0	.00	759.96	1964.56

\*SECNO 5.776

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .69

5.776	11.35	244.05	.00	241.37	244.55	.49	.35	.12	239.00
17600.0	1902.8	2116.5	13580.8	503.2	298.1	2424.6	439.0	74.3	239.20
.27	3.78	7.10	5.60	.040	.040	.040	.000	232.70	1275.41
.002150	245.	245.	245.	2	0	0	.00	651.08	1999.77

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 5.823

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .53

5.823	10.37	244.57	.00	242.66	245.96	1.40	.92	.50	240.90
17600.0	285.3	3219.8	14094.9	58.9	321.6	1495.2	453.6	77.4	241.90
.28	4.85	10.01	9.43	.040	.040	.040	.000	234.20	1308.58
.007651	250.	250.	250.	2	0	0	.00	399.69	1708.27

\*SECNO 5.870

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.870	10.50	246.80	246.80	244.90	248.82	2.02	2.34	.34	241.90
17600.0	807.8	3670.9	13121.4	100.8	253.6	1242.0	463.9	79.7	242.30
.29	8.01	14.47	10.56	.040	.040	.040	.000	236.30	877.79
.010959	250.	252.	260.	3	5	0	.00	386.57	1368.88

\*SECNO 5.918

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

5.918	10.86	250.16	.00	250.54	251.48	1.32	2.42	.24	247.10
17600.0	1212.0	5461.5	10926.5	228.0	509.4	1251.2	473.6	82.5	247.20
.29	5.31	10.72	8.73	.040	.040	.040	.000	239.30	225.55
.009639	270.	244.	230.	4	0	0	.00	619.33	884.15

\*SECNO 5.965

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

5.965	14.85	254.75	254.75	254.11	256.31	1.56	2.07	.13	250.40
17600.0	6102.2	5871.5	5626.3	825.7	428.4	731.5	485.0	85.9	249.30
.30	7.39	13.71	7.69	.040	.040	.040	.000	239.90	93.90
.007320	248.	248.	248.	20	15	0	.00	607.30	730.51

\*SECNO 6.012

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.012	12.43	257.83	257.83	255.89	260.14	2.31	2.14	.41	250.40
17600.0	4031.1	6326.4	7242.5	363.8	410.0	782.6	495.1	88.7	253.90
.31	11.08	15.43	9.25	.040	.040	.040	.000	245.40	211.74
.010133	250.	250.	250.	20	9	0	.00	335.10	546.84

\*SECNO 6.060

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.060	14.27	261.97	261.97	259.72	264.24	2.28	2.40	.01	256.50
17600.0	1354.4	7322.1	8923.6	152.5	501.4	883.2	503.7	90.6	257.50
.31	8.88	14.60	10.10	.040	.040	.040	.000	247.70	117.35
.009657	250.	243.	240.	2	11	0	.00	365.73	485.90

\*SECNO 6.107

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.107	15.70	265.40	265.40	263.27	267.77	2.36	2.21	.05	259.60
17600.0	3539.8	7491.5	6568.7	390.4	489.9	667.0	512.0	92.4	260.30
.32	9.07	15.29	9.85	.040	.040	.040	.000	249.70	125.64
.009111	200.	244.	240.	2	8	0	.00	313.25	438.89

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.154

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.154	15.47	268.77	268.77	266.55	271.15	2.37	2.43	.00	271.40
17600.0	.0	7611.0	9989.0	.0	521.9	965.1	521.2	94.1	262.40
.32	.00	14.58	10.35	.000	.040	.040	.000	253.30	114.10
.009356	250.	258.	270.	2	6	0	.00	261.91	376.01

\*SECNO 6.202

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.202	17.36	271.46	271.46	268.79	273.88	2.43	2.11	.03	269.70
17600.0	141.8	9477.7	7980.5	52.3	651.0	829.2	529.5	95.8	265.00
.33	2.71	14.56	9.62	.040	.040	.040	.000	254.10	89.75
.008282	250.	251.	230.	2	8	0	.00	331.93	424.87

\*SECNO 6.249

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.249	19.99	275.99	275.99	271.54	279.05	3.07	1.94	.35	270.80
17600.0	2356.3	12799.6	2444.2	324.4	825.7	230.9	537.9	97.4	269.00
.33	7.26	15.50	10.59	.040	.040	.040	.000	256.00	17.04
.007177	252.	252.	252.	20	8	0	.00	219.16	281.97

\*SECNO 6.296

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.65

6.296	19.35	279.55	.00	275.70	280.70	1.15	.98	.67	275.80
17600.0	745.8	7700.7	9153.5	217.5	817.5	1117.4	547.7	98.9	269.70
.34	3.43	9.42	8.19	.040	.040	.040	.000	260.20	105.71
.002646	320.	248.	200.	4	0	0	.00	304.04	409.75

\*SECNO 6.311

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.311	18.07	279.17	279.17	275.01	283.02	3.86	.11	1.49	275.30
17600.0	451.8	12319.7	4828.5	191.1	664.9	898.3	550.0	99.3	271.60
.34	2.36	18.53	5.37	.040	.015	.040	.000	261.10	143.55
.001369	50.	79.	35.	5	11	0	.00	282.10	425.65

OCHV= .500 CEHV= .700

\*SECNO 6.313

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

END OF HACIENDA DRIVE -PRIVATE ROAD

VARIABLE COFQ WAS DECREASED TO 2. AFTER INITIAL RUN INDICATED SUBMERGED

FLOW FOR THE 100 YR. OCCURANCE.

6.313	18.98	280.18	280.18	275.91	283.61	3.43	.02	.21	271.20
17600.0	1302.8	8399.3	7898.0	320.6	412.5	1135.5	550.5	99.3	271.20
.34	4.06	20.36	6.96	.040	.015	.040	.000	261.20	159.75
.001950	10.	10.	10.	3	8	0	.00	281.58	441.33

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 275.21 , NOT 280.18 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.53	2.00	.00	32.00	8.67	164.00	.00	261.20	261.20

\*SECNO 6.316

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

6870 D.S. ENERGY OF 283.61 IS HIGHER THAN COMPUTED ENERGY OF 283.00  
 PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
553.80	304.11	.00	15875.	1786.	164.	210.	270.20	271.50	367.
6.316	19.35	280.55	.00	276.25	283.61	3.06	.00	.00	271.20
17600.0	1443.5	8188.3	7968.2	367.9	421.7	1188.2	551.2	99.4	271.20
.34	3.92	19.42	6.71	.040	.015	.040	.000	261.20	142.70
.001721	16.	16.	16.	5	0	7	.00	299.40	442.10

\*SECNO 6.324

3301 HV CHANGED MORE THAN HVINS

6.324	21.67	284.07	.00	279.07	284.83	.75	.07	1.15	277.50
17600.0	2426.7	6698.3	8475.1	681.9	845.3	1227.8	553.3	99.8	271.90
.34	3.56	7.92	6.90	.050	.050	.050	.000	262.40	75.19
.002196	80.	41.	20.	5	0	0	.00	397.87	473.05

\*SECNO 6.366

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

6.366	17.44	284.74	.00	279.89	286.02	1.28	.83	.36	273.10
17600.0	9080.6	8516.7	2.7	1135.4	845.4	2.6	569.3	102.3	285.70
.35	8.00	10.07	1.03	.050	.050	.050	.000	267.30	105.96
.004109	450.	223.	160.	2	0	0	.00	221.82	334.66

\*SECNO 6.413

6.413	14.89	285.69	.00	280.85	286.75	1.06	.62	.11	275.40
17600.0	8331.9	6409.0	2859.1	1070.3	662.7	503.1	576.7	103.3	277.90
.36	7.78	9.67	5.68	.050	.050	.050	.000	270.80	104.20
.004002	30.	243.	430.	2	0	0	.00	312.96	417.16

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.460

6.460	14.82	286.72	.00	283.10	287.99	1.27	1.09	.15	275.50
17600.0	3757.8	3959.6	9882.5	491.0	364.4	1133.2	589.0	105.0	276.00
.37	7.65	10.87	8.72	.050	.050	.050	.000	271.90	92.52
.004652	160.	243.	350.	0	0	0	.00	254.62	347.14

\*SECNO 6.494

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .69

6.494	13.92	287.22	.00	283.72	289.39	2.16	.77	.63	287.20
17600.0	.0	3961.2	13638.8	.0	374.2	1123.7	593.9	105.6	278.90
.37	.03	10.59	12.14	.000	.050	.050	.000	273.30	88.72
.009826	240.	174.	80.	2	0	0	.00	191.18	279.90

\*SECNO 6.522

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.80

6.522	14.95	289.45	.00	285.07	290.34	.88	.31	.64	282.60
17600.0	442.8	6982.1	10175.1	133.1	824.7	1459.2	596.7	106.0	277.90
.37	3.33	8.47	6.97	.050	.050	.050	.000	274.50	27.48
.003029	90.	151.	20.	3	0	0	.00	336.56	437.60

\*SECNO 6.523

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

6.523	14.61	289.11	289.11	285.07	292.74	3.63	.03	1.92	282.70
17600.0	1368.6	12361.2	3870.2	185.5	741.1	311.6	597.0	106.0	279.40
.37	7.38	16.68	12.42	.050	.050	.050	.000	274.50	130.14
.012905	30.	8.	0.	3	8	0	.00	170.79	300.93

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.555

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 4.15

6.555	19.54	294.54	.00	289.19	294.82	.28	.41	1.67	282.70
17600.0	1262.3	5431.6	10906.1	812.1	1062.1	2703.9	611.6	107.8	280.00
.39	1.55	5.11	4.03	.050	.050	.050	.000	275.00	21.81
.000751	85.	157.	300.	2	0	0	.00	708.37	730.18

\*SECNO 6.602

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .66

6.602	18.74	294.74	.00	289.52	295.13	.39	.23	.08	286.80
16000.0	650.0	2916.8	12433.2	406.5	490.8	2527.5	632.5	111.1	284.20
.40	1.60	5.94	4.92	.050	.050	.050	.000	276.00	251.22
.001414	190.	250.	230.	3	0	0	.00	647.68	1008.85

\*SECNO 6.650

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .68

6.650	18.12	295.32	.00	290.89	295.94	.62	.65	.16	293.30
16000.0	2525.8	5343.8	8130.4	866.3	651.2	1458.1	654.8	114.3	285.30
.41	2.92	8.21	5.58	.050	.050	.050	.000	277.20	389.18
.003043	45.	251.	400.	2	0	0	.00	698.06	1087.24

\*SECNO 6.697

3265 DIVIDED FLOW

6.697	17.57	296.07	.00	293.73	297.13	1.06	.88	.31	293.40
16000.0	1601.7	6716.1	7682.2	361.9	660.2	1118.3	668.7	118.1	289.70
.42	4.43	10.17	6.87	.050	.050	.050	.000	278.50	338.28
.005527	410.	245.	150.	2	0	0	.00	459.11	835.95

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.725

6.725	17.49	296.79	.00	295.02	298.05	1.26	.78	.14	293.00
16000.0	3508.1	8980.3	3511.6	663.8	839.8	502.9	675.3	119.5	289.00
.43	5.29	10.69	6.98	.050	.050	.050	.000	279.30	110.35
.005844	200.	150.	90.	2	0	0	.00	384.84	495.19

\*SECNO 6.744

3470 ENCROACHMENT STATIONS= 520.0 903.0 TYPE= 1 TARGET= 383.000

6.744	18.07	297.37	.00	295.44	298.62	1.25	.57	.00	293.30
16000.0	3833.8	10932.9	1233.2	722.0	1067.5	234.1	680.0	120.4	292.80
.43	5.31	10.24	5.27	.050	.050	.050	.000	279.30	532.06
.005435	110.	100.	90.	0	0	0	.00	365.50	897.56

OCHV= .200 CEHV= .400

\*SECNO 6.747

3265 DIVIDED FLOW

BREEZE HILL DRIVE BRIDGE  
 VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUN INDICATED SUBMERGED  
 FLOW FOR THE 100 YR. OCCURANCE.

6.747	21.47	297.77	.00	295.71	298.72	.95	.04	.06	290.30
16000.0	4549.1	9863.9	1587.0	1101.1	1054.5	320.6	680.5	120.5	290.30
.43	4.13	9.35	4.95	.050	.050	.050	.000	276.30	67.14
.002777	11.	11.	11.	2	0	0	.00	451.32	561.41

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 289.14 , NOT 297.77 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.79	1.50	.00	28.00	10.00	432.00	1.50	276.30	276.30

\*SECNO 6.750

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.44

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELITRD	WEIRLN
335.90	300.41	.00	12020.	3984.	432.	432.	288.30	290.30	519.
6.750	23.35	299.65	.00	295.82	300.13	.48	1.41	.00	290.30
16000.0	6050.6	8177.4	1772.0	1774.5	1174.7	432.2	681.8	120.7	290.30
.43	3.41	6.96	4.10	.050	.050	.050	.000	276.30	49.57
.001332	18.	18.	18.	2	0	5	.00	512.90	563.48

\*SECNO 6.775

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .64

6.775	21.11	299.71	.00	296.08	300.50	.79	.24	.12	294.20
16000.0	4805.2	8740.3	2454.5	1029.7	1004.6	579.3	690.1	122.2	294.40
.44	4.67	8.70	4.24	.050	.050	.050	.000	278.60	120.59
.003221	110.	128.	140.	2	0	0	.00	524.77	645.36

CCHV= .350 CEHV= .600

\*SECNO 6.779

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.93

FRONTAGE ROAD (HACIENDA DR ) BRIDGE  
 VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUN INDICATED SUBMERGED  
 FLOW FOR THE 100 YR. OCCURANCE.

6.779	17.61	298.91	298.63	296.18	301.78	2.87	.03	1.25	294.30
16000.0	1707.2	13204.7	1088.1	832.0	884.6	579.3	691.4	122.4	294.30
.44	2.05	14.93	1.88	.050	.015	.050	.000	281.30	118.04
.000861	22.	22.	22.	6	12	0	.00	563.09	681.13

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 289.30 , NOT 298.91 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.90	1.50	.00	68.00	18.00	450.00	.00	281.30	281.30

\*SECNO 6.799  
6870 D.S. ENERGY OF 301.78 IS HIGHER THAN COMPUTED ENERGY OF 301.55

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGERS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
336.21	306.39	.00	11774.	4255.	450.	450.	290.30	294.30	689.
6.799	20.17	301.47	.00	296.51	301.78	.31	.00	.00	294.30
16000.0	5712.4	5850.3	4437.2	1573.2	1013.5	1348.9	698.5	123.9	294.30
.44	3.63	5.77	3.29	.045	.050	.045	.000	281.30	54.18
.001193	100.	100.	100.	2	0	5	.00	687.03	757.25

\*SECNO 6.803

3265 DIVIDED FLOW

6.803	19.20	301.50	.00	298.66	301.97	.47	.09	.10	290.60
16000.0	4043.5	8286.2	3670.2	930.7	1235.4	1111.5	704.3	124.8	295.30
.45	4.34	6.71	3.30	.045	.050	.045	.000	282.30	119.77
.001431	120.	70.	20.	2	0	0	.00	568.84	721.31

\*SECNO 6.822

3265 DIVIDED FLOW

6.822	19.13	301.63	.00	298.82	302.12	.49	.14	.01	292.80
16000.0	1561.7	10309.1	4129.2	398.7	1593.9	1223.3	711.6	126.1	294.60
.45	3.92	6.47	3.38	.045	.050	.045	.000	282.50	90.61
.001372	98.	98.	98.	0	0	0	.00	528.88	736.44

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 6.836

3265 DIVIDED FLOW

6.836	19.13	301.73	.00	298.92	302.22	.49	.10	.00	292.70
16000.0	957.8	10347.5	4694.7	210.4	1623.8	1266.9	716.8	126.8	294.90
.45	4.55	6.37	3.71	.045	.050	.045	.000	282.60	79.31
.001403	70.	73.	70.	0	0	0	.00	432.62	668.93

\*SECNO 6.884

6.884	18.47	302.07	.00	299.15	302.79	.72	.43	.14	294.50
16000.0	208.3	11225.0	4566.7	60.1	1461.5	1075.3	733.4	129.3	295.40
.47	3.47	7.68	4.25	.045	.050	.045	.000	283.60	223.23
.002140	245.	250.	260.	1	0	0	.00	408.66	631.89

\*SECNO 6.931

3301 HV CHANGED MORE THAN HVINS

6.931	17.51	302.51	.00	299.55	303.95	1.43	.73	.42	295.80
16000.0	930.8	12752.4	2316.8	142.4	1248.2	345.9	745.9	131.0	296.80
.47	6.53	10.22	6.70	.045	.050	.045	.000	285.00	507.68
.004195	250.	250.	250.	0	0	0	.00	191.23	698.90

\*SECNO 6.978

6.978	17.12	303.62	.00	300.27	305.15	1.52	1.15	.05	303.10
16000.0	5.3	15321.3	673.4	5.4	1522.9	132.8	755.4	132.2	301.00
.48	.98	10.06	5.07	.045	.050	.045	.000	286.50	440.09
.005260	240.	245.	245.	2	0	0	.00	210.79	650.88

\*SECNO 7.026

7.026	16.13	305.33	.00	301.33	306.44	1.10	1.15	.15	301.80
16000.0	60.5	14688.4	1251.1	20.4	1700.1	217.5	765.8	133.4	301.60
.49	2.96	8.64	5.75	.045	.050	.045	.000	289.20	644.37
.003995	251.	251.	251.	2	0	0	.00	228.07	872.44

OCHV= .500 CEHV= .700

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 7.071

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY  
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 700.0 1718.0 TYPE= 1 TARGET= 1018.000  
 VARIABLE COFQ WAS DECREASED TO 1.5 AFTER INITIAL RUNINDICATED SUBMERGED  
 FLOW FOR THE 100 YR. OCCURANCE.

7.071	17.34	307.34	307.34	301.25	310.57	3.23	.39	1.49	303.00
16000.0	937.6	13606.2	1456.2	372.9	870.9	725.0	776.2	135.3	301.00
.49	2.51	15.62	2.01	.045	.015	.045	.000	290.00	756.62
.000929	232.	232.	232.	3	8	0	.00	488.59	1245.21

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 298.00 , NOT 307.34 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.89	1.50	.00	68.00	18.00	450.00	.00	290.00	290.00

\*SECNO 7.088

6870 D.S. ENERGY OF 310.57 IS HIGHER THAN COMPUTED ENERGY OF 310.25  
 PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
344.44	315.46	.00	11543.	4478.	450.	450.	299.00	303.00	1123.

3470 ENCROACHMENT STATIONS= 700.0 1718.0 TYPE= 1 TARGET= 1018.000

7.088	17.54	307.54	.00	304.42	310.57	3.03	.00	.00	303.00
16000.0	986.5	13418.3	1595.2	393.4	881.4	796.9	780.4	136.4	301.00
.49	2.51	15.22	2.00	.045	.015	.045	.000	290.00	755.88
.000868	90.	90.	90.	6	0	0	.00	501.03	1256.91

\*SECNO 7.091

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.67

3470 ENCROACHMENT STATIONS=	2060.0	2850.0	TYPE=	1	TARGET=	790.000			
7.091	19.87	311.97	.00	306.27	312.05	.08	.01	1.47	302.30
16000.0	898.8	6296.2	8805.0	543.2	2136.4	4858.2	783.0	136.7	302.10
.50	1.65	2.95	1.81	.040	.035	.040	.000	292.10	2061.08
.000121	24.	24.	24.	3	0	0	.00	745.26	2806.34

\*SECNO 7.138

3470 ENCROACHMENT STATIONS=	660.0	1350.0	TYPE=	1	TARGET=	690.000			
7.138	19.99	311.99	.00	306.55	312.11	.12	.03	.02	302.20
16000.0	561.3	6243.4	9195.3	285.9	1760.8	4350.6	817.6	140.1	302.90
.52	1.96	3.55	2.11	.040	.035	.040	.000	292.00	681.81
.000175	270.	243.	200.	2	0	0	.00	664.36	1346.18

\*SECNO 7.186

3265 DIVIDED FLOW

7.186	19.62	312.02	.00	306.63	312.23	.21	.06	.07	302.50
16000.0	187.3	9337.1	6475.7	101.7	2130.1	2677.5	851.7	144.1	303.00
.54	1.84	4.38	2.42	.040	.035	.040	.000	292.40	412.38
.000312	230.	252.	270.	0	0	0	.00	641.56	1423.25

\*SECNO 7.233

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .48

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
7.233	18.27	311.87	.00	306.71	313.09	1.22	.15	.71	302.70
16000.0	1177.0	14572.9	250.1	240.3	1588.4	84.0	872.4	146.7	302.50
.55	4.90	9.17	2.98	.040	.035	.040	.000	293.60	611.43
.001330	260.	247.	290.	2	0	0	.00	183.11	960.20

OCHV= .500 CEHV= .700  
 \*SECNO 7.263

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

7.263	14.52	310.42	310.42	306.20	317.91	7.49	.28	4.39	310.90
16000.0	.0	16000.0	.0	.0	728.6	.0	877.2	147.1	310.90
.55	.00	21.96	.00	.000	.015	.000	.000	295.90	104.81
.002542	157.	157.	157.	3	15	0	.00	50.38	155.19

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 303.90 , NOT 310.42 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	2.11	2.50	.00	68.00	18.00	450.00	.00	295.90	295.90

\*SECNO 7.300

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.45

PRESSURE AND WEIR FLOW, Weir Submergence Based on TRAPEZOIDAL Shape

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
351.84	325.61	.00	9022.	7110.	450.	450.	304.90	310.90	397.
7.300	18.08	313.98	.00	312.01	318.60	4.62	.69	.00	310.90
16000.0	146.2	15773.4	80.4	73.0	908.0	53.0	881.2	147.6	310.90
.55	2.00	17.37	1.52	.040	.015	.040	.000	295.90	64.51
.001205	200.	200.	200.	4	0	0	.00	147.79	212.30

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WIN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

\*SECNO 7.304

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 4.41

7.304	24.89	320.19	.00	313.53	320.68	.48	.01	2.07	309.80
16000.0	511.5	14857.0	631.5	414.3	2574.7	579.7	883.0	147.8	308.20
.56	1.23	5.77	1.09	.040	.015	.040	.000	295.30	9.33
.000062	40.	33.	40.	3	0	0	.00	342.18	351.51

\*SECNO 7.351

3265 DIVIDED FLOW

7.351	24.82	320.12	.00	313.48	320.91	.79	.02	.22	308.60
16000.0	1239.1	14578.8	182.1	1092.1	1950.6	154.8	901.2	149.9	309.00
.57	1.13	7.47	1.18	.040	.015	.040	.000	295.30	207.46
.000113	260.	248.	90.	2	0	0	.00	518.77	788.83

\*SECNO 7.375

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7.375	24.48	319.98	.00	313.41	321.29	1.31	.02	.36	309.00
16000.0	382.5	14865.2	752.3	298.4	1562.2	335.6	908.9	151.2	309.40
.57	1.28	9.52	2.24	.040	.015	.040	.000	295.50	134.78
.000216	140.	121.	100.	2	0	0	.00	366.00	657.11

THIS RUN EXECUTED 26JUL12 22:10:05

\*\*\*\*\*  
 HEC-2 WATER SURFACE PROFILES  
 Version 4.6.2; May 1991  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

BUENA VISTA CREEK,EL CAM

SUMMARY PRINTOUT TABLE 150

	SEENO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	4.727	.00	.00	.00	177.50	8000.00	187.40	.00	189.46	13.72	12.25	887.36	2160.16
	4.727	.00	.00	.00	177.50	8000.00	187.73	.00	190.48	16.18	13.31	601.20	1988.61
*	4.727	.00	.00	.00	177.50	1700.00	181.84	181.84	183.62	23.47	10.69	158.99	350.93
	4.727	.00	.00	.00	177.50	5100.00	185.89	.00	187.52	14.07	10.68	615.54	1359.75
	4.727	.00	.00	.00	177.50	18000.00	191.52	.00	194.15	10.17	14.69	2021.21	5645.63
*	4.728	5.00	.00	.00	177.20	8000.00	188.49	188.49	194.14	27.43	19.06	419.64	1527.52
*	4.728	5.00	.00	.00	177.20	8000.00	188.48	188.48	194.14	27.54	19.09	419.05	1524.48
*	4.728	5.00	.00	.00	177.20	1700.00	182.81	.00	183.85	9.67	8.17	208.15	546.65
*	4.728	5.00	.00	.00	177.20	5100.00	185.55	185.55	189.75	26.67	16.46	309.85	987.60
*	4.728	5.00	.00	.00	177.20	18000.00	197.21	197.21	199.15	8.04	14.28	3097.53	6349.97
*	4.739	54.00	191.20	184.20	177.20	8000.00	191.69	.00	195.09	13.30	14.81	563.80	2193.48
*	4.739	54.00	191.20	184.20	177.20	8000.00	191.65	.00	195.09	13.73	14.88	537.76	2159.27
*	4.739	54.00	191.20	184.20	177.20	1700.00	184.26	.00	184.91	4.86	6.49	261.94	771.31
*	4.739	54.00	191.20	184.20	177.20	5100.00	191.75	.00	193.11	5.33	9.40	571.42	2208.45
*	4.739	54.00	191.20	184.20	177.20	18000.00	197.28	.00	199.15	7.77	14.08	3155.40	6457.48
*	4.744	39.00	.00	.00	180.00	8000.00	191.74	191.74	196.08	18.34	16.71	480.16	1867.94
*	4.744	39.00	.00	.00	180.00	8000.00	191.74	191.74	196.08	18.34	16.71	480.16	1867.94
*	4.744	39.00	.00	.00	180.00	1700.00	185.09	185.09	187.05	23.11	11.22	151.58	353.60
	4.744	39.00	.00	.00	180.00	5100.00	191.59	.00	193.41	7.87	10.85	471.43	1817.93
*	4.744	39.00	.00	.00	180.00	18000.00	197.85	197.85	205.17	15.43	21.71	833.84	4583.06
*	4.758	69.00	.00	.00	180.60	8000.00	192.13	192.13	196.50	19.02	16.84	482.51	1834.47
*	4.758	69.00	.00	.00	180.60	8000.00	192.13	192.13	196.50	19.02	16.84	482.51	1834.47
*	4.758	69.00	.00	.00	180.60	1700.00	185.59	185.59	187.58	23.42	11.30	150.47	351.26
	4.758	69.00	.00	.00	180.60	5100.00	191.56	.00	193.60	9.57	11.50	449.61	1648.24
*	4.758	69.00	.00	.00	180.60	18000.00	198.23	198.23	205.72	18.45	22.13	836.24	4190.67

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	4.767	47.00	.00	.00	181.00	8000.00	192.91	192.91	197.36	16.89	17.18	488.95	1946.55
*	4.767	47.00	.00	.00	181.00	8000.00	192.91	192.91	197.36	16.89	17.18	488.95	1946.55
*	4.767	47.00	.00	.00	181.00	1700.00	186.09	186.09	188.12	22.96	11.42	148.83	354.79
	4.767	47.00	.00	.00	181.00	5100.00	191.36	.00	194.04	12.67	13.24	399.16	1432.57
*	4.767	47.00	.00	.00	181.00	18000.00	199.12	199.12	206.92	15.52	22.94	849.32	4569.07
*	4.814	247.00	.00	.00	183.10	8000.00	194.79	194.79	197.39	11.82	14.20	694.05	2327.16
*	4.814	247.00	.00	.00	183.10	8000.00	194.79	194.79	197.39	11.82	14.20	694.05	2327.16
*	4.814	247.00	.00	.00	183.10	1700.00	188.55	188.55	190.54	23.04	11.34	149.98	354.13
*	4.814	247.00	.00	.00	183.10	5100.00	193.23	193.23	195.37	11.55	12.41	485.34	1500.57
*	4.814	247.00	.00	.00	183.10	18000.00	208.21	.00	209.08	1.31	8.60	2524.45	15728.04
*	4.829	74.00	.00	.00	183.70	8000.00	194.94	194.94	197.53	11.66	14.08	687.34	2342.50
*	4.829	74.00	.00	.00	183.70	8000.00	194.94	194.94	197.53	11.66	14.08	687.34	2342.50
	4.829	74.00	.00	.00	183.70	1700.00	189.61	.00	190.88	12.85	9.05	187.74	474.22
	4.829	74.00	.00	.00	183.70	5100.00	194.28	.00	195.66	6.68	10.14	599.48	1972.88
	4.829	74.00	.00	.00	183.70	18000.00	208.21	.00	209.10	1.33	8.65	2498.85	15619.31
*	4.876	250.00	.00	.00	185.20	8000.00	196.31	196.31	198.59	11.17	13.58	729.50	2393.76
*	4.876	250.00	.00	.00	185.20	8000.00	196.31	196.31	198.59	11.17	13.58	729.50	2393.76
*	4.876	250.00	.00	.00	185.20	1700.00	190.57	190.57	192.51	23.02	11.18	152.09	354.34
*	4.876	250.00	.00	.00	185.20	5100.00	195.01	195.01	196.73	9.85	11.47	551.47	1625.21
	4.876	250.00	.00	.00	185.20	18000.00	208.22	.00	209.18	1.51	8.80	2354.73	14661.23
*	4.923	250.00	.00	.00	186.50	8000.00	197.78	197.78	200.21	11.55	13.77	714.14	2353.91
*	4.923	250.00	.00	.00	186.50	8000.00	197.78	197.78	200.21	11.55	13.77	714.14	2353.91
*	4.923	250.00	.00	.00	186.50	1700.00	191.64	191.64	193.57	22.73	11.15	152.50	356.61
*	4.923	250.00	.00	.00	186.50	5100.00	196.32	196.32	198.28	10.99	11.92	514.48	1538.28
	4.923	250.00	.00	.00	186.50	18000.00	208.17	.00	209.37	2.18	10.01	2132.28	12185.73
*	4.971	251.00	.00	.00	188.20	8000.00	199.26	199.26	202.91	17.21	16.04	544.60	1928.41
*	4.971	251.00	.00	.00	188.20	8000.00	199.26	199.26	202.91	17.21	16.04	544.60	1928.41
*	4.971	251.00	.00	.00	188.20	1700.00	192.70	192.70	194.65	24.58	11.19	151.98	342.88
*	4.971	251.00	.00	.00	188.20	5100.00	197.31	197.31	200.10	16.22	13.75	401.45	1266.29
*	4.971	251.00	.00	.00	188.20	18000.00	207.13	.00	211.19	10.29	16.83	1123.05	5611.45
*	5.018	246.00	.00	.00	189.40	8000.00	202.91	.00	204.31	59.29	9.50	842.29	1038.99
*	5.018	246.00	.00	.00	189.40	8000.00	202.91	.00	204.31	59.11	9.50	842.32	1040.50
	5.018	246.00	.00	.00	189.40	1700.00	195.40	.00	195.91	49.26	5.73	296.78	242.23
*	5.018	246.00	.00	.00	189.40	5100.00	200.26	.00	201.28	48.82	8.11	628.86	729.89
*	5.018	246.00	.00	.00	189.40	18000.00	212.36	.00	212.51	3.89	3.89	6578.09	9129.36
	5.065	247.00	.00	.00	190.00	8000.00	204.66	.00	205.64	41.06	7.95	1005.92	1248.43
	5.065	247.00	.00	.00	190.00	8000.00	204.66	.00	205.64	41.09	7.96	1005.64	1247.96
	5.065	247.00	.00	.00	190.00	1700.00	196.65	.00	197.16	52.48	5.73	296.91	234.66
	5.065	247.00	.00	.00	190.00	5100.00	201.66	.00	202.49	44.94	7.31	697.28	760.80
	5.065	247.00	.00	.00	190.00	18000.00	212.46	.00	212.64	5.32	4.22	6098.45	7805.64

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K	
5.113	254.00	.00	.00	190.60	8000.00	205.71	.00	207.17	58.93	9.70	831.16	1042.17	
5.113	254.00	.00	.00	190.60	8000.00	205.71	.00	207.17	59.29	9.72	824.06	1038.94	
5.113	254.00	.00	.00	190.60	1700.00	198.22	.00	198.91	81.16	6.69	254.27	188.70	
5.113	254.00	.00	.00	190.60	5100.00	202.90	.00	204.07	66.44	8.70	585.99	625.70	
5.113	254.00	.00	.00	190.60	18000.00	212.59	.00	212.89	10.09	5.67	4822.39	5666.92	
5.160	258.00	.00	.00	191.70	8000.00	207.43	.00	208.64	50.39	8.83	906.33	1127.03	
5.160	258.00	.00	.00	191.70	8000.00	207.45	.00	208.66	50.09	8.81	908.27	1130.31	
5.160	258.00	.00	.00	191.70	1700.00	200.08	.00	200.58	49.55	5.69	298.88	241.52	
5.160	258.00	.00	.00	191.70	5100.00	204.68	.00	205.64	51.52	7.88	647.30	710.55	
*	5.160	258.00	.00	.00	191.70	18000.00	212.78	.00	213.57	26.56	8.27	3221.85	3492.96
5.207	242.00	.00	.00	193.20	8000.00	208.72	.00	210.77	94.01	11.50	695.66	825.08	
5.207	242.00	.00	.00	193.20	8000.00	208.73	.00	210.78	93.68	11.48	696.57	826.54	
5.207	242.00	.00	.00	193.20	1700.00	201.52	.00	202.41	92.64	7.55	225.22	176.62	
5.207	242.00	.00	.00	193.20	5100.00	206.06	.00	207.71	95.80	10.29	495.48	521.07	
*	5.207	242.00	.00	.00	193.20	18000.00	213.78	213.78	215.30	53.67	11.37	2414.07	2456.99
5.258	264.00	.00	.00	195.20	8000.00	211.16	.00	213.41	96.82	12.02	665.36	813.04	
5.258	264.00	.00	.00	195.20	8000.00	211.16	.00	213.41	96.54	12.02	665.62	814.21	
5.258	264.00	.00	.00	195.20	1700.00	203.82	.00	204.65	76.69	7.31	232.66	194.13	
5.258	264.00	.00	.00	195.20	5100.00	208.51	.00	210.22	91.66	10.47	486.94	532.69	
*	5.258	264.00	.00	.00	195.20	18000.00	215.78	215.78	217.98	81.39	13.33	1881.65	1995.22
5.267	49.00	.00	.00	195.60	8000.00	211.65	.00	213.87	91.72	11.98	667.77	835.34	
5.267	49.00	.00	.00	195.60	8000.00	211.54	.00	214.07	103.93	12.78	626.20	784.72	
5.267	49.00	.00	.00	195.60	1700.00	204.21	.00	205.10	96.27	7.58	224.37	173.26	
5.267	49.00	.00	.00	195.60	5100.00	209.05	.00	210.67	85.48	10.24	498.24	551.62	
*	5.267	49.00	.00	.00	195.60	18000.00	217.46	.00	218.58	39.33	10.12	2593.37	2870.16
*	5.271	21.00	.00	.00	195.60	8000.00	211.15	.00	214.68	25.17	15.09	530.16	1594.46
*	5.271	21.00	.00	.00	195.60	8000.00	211.19	.00	214.71	25.00	15.05	531.56	1600.11
*	5.271	21.00	.00	.00	195.60	1700.00	204.83	.00	205.28	4.87	5.41	314.37	770.63
*	5.271	21.00	.00	.00	195.60	5100.00	208.97	.00	210.91	15.47	11.20	455.48	1296.69
*	5.271	21.00	.00	.00	195.60	18000.00	221.05	221.05	223.23	14.33	14.19	3092.59	4754.55
5.276	24.00	217.50	213.60	195.60	8000.00	214.47	.00	216.87	15.01	12.43	643.71	2065.20	
5.276	24.00	217.50	213.60	195.60	8000.00	214.48	.00	216.88	15.00	12.42	643.87	2065.88	
5.276	24.00	217.50	213.60	195.60	1700.00	205.00	.00	205.43	4.63	5.31	319.98	790.36	
5.276	24.00	217.50	213.60	195.60	5100.00	210.29	.00	211.90	11.96	10.19	500.51	1474.96	
5.276	24.00	217.50	213.60	195.60	18000.00	221.28	.00	223.23	13.06	13.62	3269.33	4981.15	
*	5.278	19.00	.00	.00	197.50	8000.00	215.75	.00	217.24	44.70	9.78	817.95	1196.59
*	5.278	19.00	.00	.00	197.50	8000.00	215.49	.00	217.17	49.95	10.41	768.68	1131.88
*	5.278	19.00	.00	.00	197.50	1700.00	204.58	204.58	206.60	211.50	11.40	149.07	116.90
*	5.278	19.00	.00	.00	197.50	5100.00	209.98	.00	212.39	123.64	12.44	409.93	458.66
*	5.278	19.00	.00	.00	197.50	18000.00	223.76	.00	223.88	3.06	3.72	7296.77	10296.63

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
*	5.302	124.00	.00	.00	198.70	8000.00	217.48	.00	217.87	11.56	5.65	1980.49	2353.45
*	5.302	124.00	.00	.00	198.70	8000.00	216.84	.00	217.83	24.55	8.01	1000.90	1614.74
*	5.302	124.00	.00	.00	198.70	1700.00	207.47	.00	207.93	29.97	5.42	313.91	310.51
*	5.302	124.00	.00	.00	198.70	5100.00	212.71	.00	213.63	33.78	7.70	662.65	877.45
	5.302	124.00	.00	.00	198.70	18000.00	223.78	.00	223.94	3.76	4.15	6256.93	9286.98
*	5.349	245.00	.00	.00	202.00	8000.00	218.20	218.20	219.38	63.64	10.61	1194.82	1002.82
*	5.349	245.00	.00	.00	202.00	8000.00	218.15	218.15	219.87	83.40	12.11	911.27	876.02
*	5.349	245.00	.00	.00	202.00	1700.00	210.93	210.93	213.16	215.93	12.00	141.63	115.69
*	5.349	245.00	.00	.00	202.00	5100.00	217.24	217.24	218.38	60.56	9.62	778.46	655.34
*	5.349	245.00	.00	.00	202.00	18000.00	223.87	.00	224.15	9.64	5.68	4492.81	5796.38
	5.397	245.00	.00	.00	203.50	8000.00	219.91	.00	220.83	49.49	9.57	1348.30	1137.22
	5.397	245.00	.00	.00	203.50	8000.00	220.30	.00	221.72	62.07	10.99	986.38	1015.46
*	5.397	245.00	.00	.00	203.50	1700.00	215.01	.00	215.70	42.48	6.67	255.04	260.84
*	5.397	245.00	.00	.00	203.50	5100.00	218.71	218.71	219.87	59.52	9.61	799.74	661.06
	5.397	245.00	.00	.00	203.50	18000.00	224.11	.00	224.53	16.72	7.05	3683.59	4402.21
*	5.435	204.00	.00	.00	206.80	8000.00	221.17	221.17	223.34	192.14	12.09	692.48	577.13
*	5.435	204.00	.00	.00	206.80	8000.00	221.89	.00	223.85	141.78	11.24	712.41	671.86
*	5.435	204.00	.00	.00	206.80	1700.00	216.03	.00	217.19	91.98	8.62	197.33	177.25
*	5.435	204.00	.00	.00	206.80	5100.00	220.42	.00	221.74	141.42	9.39	564.25	428.86
*	5.435	204.00	.00	.00	206.80	18000.00	224.49	.00	225.15	37.01	7.57	2881.59	2958.73
*	5.463	157.00	.00	.00	206.80	8000.00	224.00	.00	224.44	12.62	5.93	1768.87	2251.83
*	5.463	157.00	.00	.00	206.80	8000.00	224.25	.00	224.87	15.65	6.69	1342.15	2022.22
*	5.463	157.00	.00	.00	206.80	1700.00	217.67	.00	217.85	8.67	3.41	499.16	577.31
*	5.463	157.00	.00	.00	206.80	5100.00	222.15	.00	222.52	12.08	5.21	1179.85	1467.54
	5.463	157.00	.00	.00	206.80	18000.00	224.79	.00	226.06	37.97	10.72	2407.89	2921.10
*	5.491	149.00	.00	.00	219.20	8000.00	227.37	227.37	228.94	120.85	12.58	854.49	727.73
*	5.491	149.00	.00	.00	219.20	8000.00	227.38	227.38	228.95	120.39	12.56	853.54	729.11
*	5.491	149.00	.00	.00	219.20	1700.00	224.66	224.66	225.51	110.87	8.43	272.39	161.45
*	5.491	149.00	.00	.00	219.20	5100.00	226.46	226.46	227.66	112.41	10.97	645.25	481.03
*	5.491	149.00	.00	.00	219.20	18000.00	228.78	228.78	230.60	126.40	14.64	1780.08	1601.05
*	5.539	253.00	.00	.00	222.30	8000.00	233.49	233.49	235.77	122.53	12.42	684.52	722.72
*	5.539	253.00	.00	.00	222.30	8000.00	233.52	233.52	235.84	128.80	12.48	673.70	704.90
*	5.539	253.00	.00	.00	222.30	1700.00	229.94	229.94	231.01	231.76	8.30	204.85	111.67
*	5.539	253.00	.00	.00	222.30	5100.00	232.05	232.05	233.97	152.68	11.26	468.99	412.74
*	5.539	253.00	.00	.00	222.30	18000.00	232.07	.00	233.08	62.85	7.25	2283.47	2270.40
	5.586	242.00	.00	.00	226.30	8000.00	236.65	.00	238.29	75.86	10.30	776.60	918.53
*	5.586	242.00	.00	.00	226.30	8000.00	236.99	.00	238.12	51.06	8.87	1012.82	1119.58
*	5.586	242.00	.00	.00	226.30	1700.00	232.98	.00	233.41	47.53	5.30	320.79	246.58
*	5.586	242.00	.00	.00	226.30	5100.00	235.48	.00	236.51	61.37	8.13	627.36	651.04
	5.586	242.00	.00	.00	226.30	18000.00	233.64	.00	234.55	61.17	6.37	2365.72	2301.46

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	5.598	59.00	.00	.00	228.90	8000.00	238.26	.00	238.93	36.25	8.01	1257.27	1328.75
	5.598	59.00	.00	.00	228.90	8000.00	237.31	.00	238.54	76.97	10.59	927.09	911.83
*	5.598	59.00	.00	.00	228.90	1700.00	233.86	233.86	234.73	98.15	8.54	249.80	171.59
	5.598	59.00	.00	.00	228.90	5100.00	235.79	235.61	237.23	120.22	10.93	544.21	465.15
*	5.598	59.00	.00	.00	228.90	18000.00	239.17	239.17	240.92	89.28	13.64	1788.61	1905.02
	5.634	190.00	.00	.00	229.80	8000.00	239.11	.00	239.54	20.79	6.24	1573.50	1754.62
*	5.634	190.00	.00	.00	229.80	8000.00	239.08	.00	239.29	8.95	4.08	2244.35	2674.80
	5.634	190.00	.00	.00	229.80	1700.00	235.63	.00	237.36	133.36	10.57	160.89	147.21
*	5.634	190.00	.00	.00	229.80	5100.00	238.06	.00	238.34	17.89	5.24	1233.52	1205.93
*	5.634	190.00	.00	.00	229.80	18000.00	241.55	.00	241.65	2.67	2.69	7463.62	11023.02
	5.670	186.00	.00	.00	230.10	7800.00	239.49	.00	240.27	42.72	8.04	1120.10	1193.42
*	5.670	186.00	.00	.00	230.10	7800.00	239.26	.00	239.61	20.74	5.47	1659.68	1712.59
*	5.670	186.00	.00	.00	230.10	1650.00	238.14	.00	239.24	62.88	8.40	196.37	208.08
*	5.670	186.00	.00	.00	230.10	4970.00	238.42	.00	238.95	38.46	6.79	867.09	801.40
*	5.670	186.00	.00	.00	230.10	17600.00	241.58	.00	241.79	7.68	4.10	4863.65	6349.25
	5.675	26.00	.00	.00	230.40	7800.00	239.51	.00	240.53	59.32	9.50	1005.73	1012.75
*	5.675	26.00	.00	.00	230.40	7800.00	238.88	238.88	240.48	106.24	11.88	810.02	756.75
*	5.675	26.00	.00	.00	230.40	1650.00	239.16	.00	239.57	19.56	5.12	322.11	373.04
	5.675	26.00	.00	.00	230.40	4970.00	238.42	.00	239.21	57.66	8.40	744.67	654.51
*	5.675	26.00	.00	.00	230.40	17600.00	240.85	240.85	243.07	103.77	14.28	1549.12	1727.73
	5.681	33.00	.00	.00	230.70	7800.00	240.77	.00	240.89	5.86	3.22	2770.68	3221.10
*	5.681	33.00	.00	.00	230.70	7800.00	240.92	.00	241.05	6.07	3.38	2667.09	3165.24
	5.681	33.00	.00	.00	230.70	1650.00	239.21	.00	239.66	23.15	5.40	305.62	342.94
*	5.681	33.00	.00	.00	230.70	4970.00	239.41	.00	239.50	5.96	2.88	2079.89	2035.78
*	5.681	33.00	.00	.00	230.70	17600.00	243.71	.00	243.84	3.99	3.39	6037.80	8805.75
	5.728	254.00	.00	.00	232.40	7800.00	240.95	.00	241.17	14.78	4.50	2111.00	2029.02
*	5.728	254.00	.00	.00	232.40	7800.00	241.07	.00	241.48	25.11	5.72	1547.65	1556.60
	5.728	254.00	.00	.00	232.40	1650.00	239.96	.00	240.28	21.73	4.71	389.33	353.97
*	5.728	254.00	.00	.00	232.40	4970.00	239.61	.00	239.82	21.21	4.53	1408.99	1079.20
*	5.728	254.00	.00	.00	232.40	17600.00	243.80	.00	244.07	10.37	4.93	4306.11	5464.74
	5.776	245.00	.00	.00	232.70	7800.00	241.37	.00	241.93	42.32	7.99	1396.83	1199.04
*	5.776	245.00	.00	.00	232.70	7800.00	241.74	.00	242.66	58.71	9.28	1032.35	1017.94
*	5.776	245.00	.00	.00	232.70	1650.00	240.43	.00	241.67	71.00	8.94	184.65	195.82
*	5.776	245.00	.00	.00	232.70	4970.00	240.25	.00	240.82	57.27	8.26	908.67	656.75
*	5.776	245.00	.00	.00	232.70	17600.00	244.05	.00	244.55	21.50	7.10	3225.95	3795.60
	5.823	250.00	.00	.00	234.20	7800.00	242.66	.00	243.40	73.60	7.47	1133.70	909.21
	5.823	250.00	.00	.00	234.20	7800.00	243.37	.00	244.32	74.16	8.19	995.34	905.78
	5.823	250.00	.00	.00	234.20	1650.00	242.76	.00	243.57	69.22	7.31	234.74	198.32
	5.823	250.00	.00	.00	234.20	4970.00	241.91	.00	242.44	72.25	6.39	854.93	584.72
*	5.823	250.00	.00	.00	234.20	17600.00	244.57	.00	245.96	76.51	10.01	1875.67	2012.07

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG	10*KS	VCH	AREA	.01K
*	5.870	252.00	.00	.00	236.30	7800.00	244.90	244.90	246.15	110.53	12.00	941.77	741.90
	5.870	252.00	.00	.00	236.30	7800.00	245.42	.00	246.80	103.55	11.56	860.89	766.50
	5.870	252.00	.00	.00	236.30	1650.00	244.40	.00	245.58	74.56	8.93	200.29	191.09
*	5.870	252.00	.00	.00	236.30	4970.00	244.22	244.22	245.18	101.04	10.55	719.36	494.44
*	5.870	252.00	.00	.00	236.30	17600.00	246.80	246.80	248.82	109.59	14.47	1596.47	1681.22
*	5.918	244.00	.00	.00	239.30	7800.00	250.54	250.54	252.86	128.09	12.67	658.08	689.18
*	5.918	244.00	.00	.00	239.30	7800.00	249.55	249.55	251.41	137.12	11.78	734.81	666.11
	5.918	244.00	.00	.00	239.30	1650.00	247.25	.00	248.07	130.91	7.28	226.99	144.21
*	5.918	244.00	.00	.00	239.30	4970.00	249.27	249.27	251.06	133.60	11.00	482.22	429.99
	5.918	244.00	.00	.00	239.30	17600.00	250.16	.00	251.48	96.39	10.72	1988.66	1792.68
*	5.965	248.00	.00	.00	239.90	7800.00	254.11	.00	254.71	26.68	7.92	1415.82	1510.13
*	5.965	248.00	.00	.00	239.90	7800.00	252.63	252.63	254.34	86.00	12.64	842.91	841.10
	5.965	248.00	.00	.00	239.90	1650.00	249.43	.00	250.44	67.26	8.13	221.89	201.19
*	5.965	248.00	.00	.00	239.90	4970.00	252.34	.00	253.13	42.35	8.65	819.05	763.68
*	5.965	248.00	.00	.00	239.90	17600.00	254.75	254.75	256.31	73.20	13.71	1985.50	2057.15
*	6.012	250.00	.00	.00	245.40	7800.00	255.89	255.89	257.38	87.24	12.11	923.21	835.12
*	6.012	250.00	.00	.00	245.40	7800.00	256.09	256.09	257.99	97.73	13.07	783.70	789.02
*	6.012	250.00	.00	.00	245.40	1650.00	252.31	252.31	253.74	126.36	9.89	183.61	146.79
*	6.012	250.00	.00	.00	245.40	4970.00	255.18	255.18	256.28	70.62	10.12	706.37	591.43
*	6.012	250.00	.00	.00	245.40	17600.00	257.83	257.83	260.14	101.33	15.43	1556.46	1748.39
*	6.060	243.00	.00	.00	247.70	7800.00	259.72	259.72	261.22	92.85	11.68	878.62	809.46
*	6.060	243.00	.00	.00	247.70	7800.00	259.76	259.76	261.87	125.27	13.17	712.31	696.91
*	6.060	243.00	.00	.00	247.70	1650.00	256.15	256.15	257.76	179.38	10.16	162.39	123.20
*	6.060	243.00	.00	.00	247.70	4970.00	258.81	258.81	260.03	88.05	10.25	644.36	529.66
*	6.060	243.00	.00	.00	247.70	17600.00	261.97	261.97	264.24	96.57	14.60	1537.08	1791.01
*	6.107	244.00	.00	.00	249.70	7800.00	263.27	263.27	264.74	73.78	11.69	925.31	908.10
*	6.107	244.00	.00	.00	249.70	7800.00	263.31	263.31	265.36	92.77	13.16	751.78	809.82
*	6.107	244.00	.00	.00	249.70	1650.00	259.72	.00	260.71	76.52	7.99	206.80	188.62
*	6.107	244.00	.00	.00	249.70	4970.00	262.29	262.29	263.53	68.57	10.30	670.75	600.19
*	6.107	244.00	.00	.00	249.70	17600.00	265.40	265.40	267.77	91.11	15.29	1547.24	1843.82
*	6.154	258.00	.00	.00	253.30	7800.00	266.55	266.55	268.00	67.82	11.47	924.64	947.13
*	6.154	258.00	.00	.00	253.30	7800.00	266.68	266.68	268.52	78.76	12.42	788.97	878.91
	6.154	258.00	.00	.00	253.30	1650.00	261.47	.00	262.60	65.31	8.53	193.53	204.17
*	6.154	258.00	.00	.00	253.30	4970.00	265.49	265.49	266.76	58.54	10.24	670.73	649.57
*	6.154	258.00	.00	.00	253.30	17600.00	268.77	268.77	271.15	93.56	14.58	1487.04	1819.58
*	6.202	251.00	.00	.00	254.10	7800.00	268.79	268.79	270.54	76.33	11.89	834.74	892.81
*	6.202	251.00	.00	.00	254.10	7800.00	268.62	268.62	271.08	99.65	13.49	666.33	781.35
	6.202	251.00	.00	.00	254.10	1650.00	263.16	.00	264.09	49.51	7.74	213.15	234.49
*	6.202	251.00	.00	.00	254.10	4970.00	267.36	267.36	269.08	73.70	11.07	538.75	578.94
*	6.202	251.00	.00	.00	254.10	17600.00	271.46	271.46	273.88	82.82	14.56	1532.49	1933.96

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	6.249	252.00	.00	.00	256.00	7800.00	271.54	271.54	274.48	110.78	14.11	595.26	741.06
*	6.249	252.00	.00	.00	256.00	7800.00	271.41	271.41	274.59	122.36	14.59	565.21	705.14
*	6.249	252.00	.00	.00	256.00	1650.00	264.67	.00	266.40	123.16	10.57	156.11	148.68
*	6.249	252.00	.00	.00	256.00	4970.00	269.38	269.38	272.11	131.23	13.27	378.31	433.84
*	6.249	252.00	.00	.00	256.00	17600.00	275.99	275.99	279.05	71.77	15.50	1380.98	2077.52
*	6.296	248.00	.00	.00	260.20	7800.00	275.70	.00	276.41	27.67	7.43	1170.85	1482.75
*	6.296	248.00	.00	.00	260.20	7800.00	275.85	.00	276.70	31.10	7.93	1060.17	1398.60
*	6.296	248.00	.00	.00	260.20	1650.00	267.87	.00	269.68	138.31	10.78	153.02	140.30
*	6.296	248.00	.00	.00	260.20	4970.00	273.53	.00	274.26	34.80	7.71	773.05	842.51
*	6.296	248.00	.00	.00	260.20	17600.00	279.55	.00	280.70	26.46	9.42	2152.45	3421.48
*	6.311	79.00	.00	.00	261.10	7800.00	275.01	275.01	277.63	13.51	14.25	863.74	2122.02
*	6.311	79.00	.00	.00	261.10	7800.00	275.03	275.03	278.11	15.04	15.06	740.13	2011.40
*	6.311	79.00	.00	.00	261.10	1650.00	268.13	.00	270.14	21.43	11.38	144.93	356.44
*	6.311	79.00	.00	.00	261.10	4970.00	273.03	273.03	275.39	14.01	12.90	553.25	1327.62
*	6.311	79.00	.00	.00	261.10	17600.00	279.17	279.17	283.02	13.69	18.53	1754.29	4757.34
*	6.313	10.00	.00	.00	261.20	7800.00	275.91	275.91	278.70	18.50	16.33	924.50	1813.65
*	6.313	10.00	.00	.00	261.20	7800.00	276.08	276.08	279.28	19.79	17.05	830.45	1753.44
*	6.313	10.00	.00	.00	261.20	1650.00	268.41	268.41	271.08	32.31	13.10	125.95	290.27
*	6.313	10.00	.00	.00	261.20	4970.00	274.17	274.17	276.50	16.60	14.02	642.64	1219.84
*	6.313	10.00	.00	.00	261.20	17600.00	280.18	280.18	283.61	19.50	20.36	1868.61	3985.98
*	6.316	16.00	271.50	270.20	261.20	7800.00	276.25	.00	278.70	16.03	15.48	983.71	1947.98
*	6.316	16.00	271.50	270.20	261.20	7800.00	277.27	.00	279.28	11.98	14.08	1020.81	2253.93
*	6.316	16.00	271.50	270.20	261.20	1650.00	269.35	.00	271.26	19.97	11.11	148.53	369.23
*	6.316	16.00	271.50	270.20	261.20	4970.00	274.38	.00	276.50	14.92	13.47	676.78	1286.88
*	6.316	16.00	271.50	270.20	261.20	17600.00	280.55	.00	283.61	17.21	19.42	1977.87	4242.08
*	6.324	41.00	.00	.00	262.40	7800.00	279.07	.00	279.69	29.12	6.93	1283.08	1445.36
*	6.324	41.00	.00	.00	262.40	7800.00	279.30	.00	280.00	31.58	7.21	1173.34	1387.98
*	6.324	41.00	.00	.00	262.40	1650.00	270.66	270.66	272.70	262.40	11.44	144.28	101.86
*	6.324	41.00	.00	.00	262.40	4970.00	276.83	274.49	277.36	34.81	6.51	871.29	842.40
*	6.324	41.00	.00	.00	262.40	17600.00	284.07	.00	284.83	21.96	7.92	2754.92	3755.63
*	6.366	223.00	.00	.00	267.30	7800.00	279.89	.00	280.88	49.37	8.97	1031.36	1110.05
*	6.366	223.00	.00	.00	267.30	7800.00	280.15	.00	281.15	46.28	8.80	1001.47	1146.61
*	6.366	223.00	.00	.00	267.30	1650.00	274.89	.00	275.32	37.25	5.40	339.36	270.34
*	6.366	223.00	.00	.00	267.30	4970.00	277.75	.00	278.68	56.56	8.45	690.27	660.87
*	6.366	223.00	.00	.00	267.30	17600.00	284.74	.00	286.02	41.09	10.07	1983.33	2745.62
*	6.413	243.00	.00	.00	270.80	7800.00	280.85	.00	282.11	89.06	10.23	928.64	826.54
*	6.413	243.00	.00	.00	270.80	7800.00	281.03	.00	282.79	109.74	11.54	746.33	744.59
*	6.413	243.00	.00	.00	270.80	1650.00	276.67	276.67	277.63	158.41	8.35	231.41	131.09
*	6.413	243.00	.00	.00	270.80	4970.00	279.08	.00	280.37	129.06	10.20	578.60	437.49
*	6.413	243.00	.00	.00	270.80	17600.00	285.69	.00	286.75	40.02	9.67	2236.00	2782.16

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	6.460	243.00	.00	.00	271.90	7800.00	283.10	.00	283.86	43.82	8.48	1146.73	1178.28
*	6.460	243.00	.00	.00	271.90	7800.00	283.92	.00	284.74	38.12	8.37	1095.19	1263.28
*	6.460	243.00	.00	.00	271.90	1650.00	279.19	.00	279.44	30.00	4.88	446.05	301.22
*	6.460	243.00	.00	.00	271.90	4970.00	281.79	.00	282.31	37.50	7.09	885.73	811.58
	6.460	243.00	.00	.00	271.90	17600.00	286.72	.00	287.99	46.52	10.87	1988.62	2580.36
*	6.494	174.00	.00	.00	273.30	7800.00	283.72	.00	284.98	104.57	8.80	864.28	762.77
	6.494	174.00	.00	.00	273.30	7800.00	284.48	.00	285.45	67.82	7.48	988.76	947.14
*	6.494	174.00	.00	.00	273.30	1650.00	279.85	.00	280.54	169.96	7.48	250.90	126.56
*	6.494	174.00	.00	.00	273.30	4970.00	282.38	.00	283.32	106.28	7.95	641.87	482.09
*	6.494	174.00	.00	.00	273.30	17600.00	287.22	.00	289.39	98.26	10.59	1497.89	1775.51
*	6.522	151.00	.00	.00	274.50	7800.00	285.07	.00	285.72	40.91	7.26	1248.54	1219.43
	6.522	151.00	.00	.00	274.50	7800.00	284.93	.00	286.50	87.80	10.50	780.76	832.41
*	6.522	151.00	.00	.00	274.50	1650.00	281.13	.00	281.41	38.46	4.70	424.55	266.05
*	6.522	151.00	.00	.00	274.50	4970.00	283.48	.00	284.01	45.55	6.55	888.80	736.37
*	6.522	151.00	.00	.00	274.50	17600.00	289.45	.00	290.34	30.29	8.47	2416.97	3198.01
*	6.523	8.00	.00	.00	274.50	7800.00	285.07	285.07	287.68	158.29	13.71	635.93	619.97
*	6.523	8.00	.00	.00	274.50	7800.00	285.08	285.08	287.76	160.40	13.82	627.02	615.88
*	6.523	8.00	.00	.00	274.50	1650.00	280.99	.00	281.89	122.30	7.66	222.84	149.20
*	6.523	8.00	.00	.00	274.50	4970.00	283.49	283.49	285.60	171.47	12.09	449.52	379.54
*	6.523	8.00	.00	.00	274.50	17600.00	289.11	289.11	292.74	129.05	16.68	1238.20	1549.27
*	6.555	157.00	.00	.00	275.00	7800.00	289.19	.00	289.43	10.55	4.62	2073.80	2401.38
*	6.555	157.00	.00	.00	275.00	7800.00	289.19	.00	289.65	17.08	5.88	1465.28	1887.61
*	6.555	157.00	.00	.00	275.00	1650.00	282.91	.00	283.15	29.91	4.32	458.18	301.69
*	6.555	157.00	.00	.00	275.00	4970.00	286.96	.00	287.18	12.80	4.36	1414.05	1389.19
*	6.555	157.00	.00	.00	275.00	17600.00	294.54	.00	294.82	7.51	5.11	4578.12	6423.18
*	6.602	250.00	.00	.00	276.00	7300.00	289.52	.00	289.98	32.84	6.63	1379.25	1273.89
*	6.602	250.00	.00	.00	276.00	7300.00	289.72	.00	290.50	46.90	8.04	1048.75	1065.99
*	6.602	250.00	.00	.00	276.00	1500.00	284.71	284.71	285.49	114.66	7.96	264.10	140.08
*	6.602	250.00	.00	.00	276.00	4900.00	287.42	.00	288.05	65.72	7.81	819.17	604.44
*	6.602	250.00	.00	.00	276.00	16000.00	294.74	.00	295.13	14.14	5.94	3424.73	4255.16
*	6.650	251.00	.00	.00	277.20	7300.00	290.89	.00	292.73	108.13	12.23	750.06	702.02
	6.650	251.00	.00	.00	277.20	7300.00	291.47	.00	293.10	86.87	11.30	755.16	783.25
*	6.650	251.00	.00	.00	277.20	1500.00	286.91	.00	287.46	45.86	6.05	264.69	221.49
	6.650	251.00	.00	.00	277.20	4900.00	289.63	.00	291.21	99.32	10.91	540.88	491.67
*	6.650	251.00	.00	.00	277.20	16000.00	295.32	.00	295.94	30.43	8.21	2975.62	2900.64
	6.697	245.00	.00	.00	278.50	7300.00	293.73	.00	294.96	74.73	10.03	918.88	844.45
	6.697	245.00	.00	.00	278.50	7300.00	293.52	.00	295.37	104.57	11.72	736.91	713.87
	6.697	245.00	.00	.00	278.50	1500.00	288.32	.00	289.08	83.07	7.01	214.07	164.58
	6.697	245.00	.00	.00	278.50	4900.00	292.13	.00	293.51	93.18	10.04	605.14	507.62
	6.697	245.00	.00	.00	278.50	16000.00	296.07	.00	297.13	55.27	10.17	2140.43	2152.11

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	6.725	150.00	.00	.00	279.30	7300.00	295.02	.00	295.90	44.25	8.12	1023.31	1097.36
*	6.725	150.00	.00	.00	279.30	7300.00	295.77	.00	296.66	36.81	7.94	1002.37	1203.27
*	6.725	150.00	.00	.00	279.30	1500.00	289.69	.00	290.06	35.66	4.87	312.34	251.19
*	6.725	150.00	.00	.00	279.30	4900.00	294.07	.00	294.63	31.38	6.40	865.82	874.77
	6.725	150.00	.00	.00	279.30	16000.00	296.79	.00	298.05	58.44	10.69	2006.47	2092.89
	6.744	100.00	.00	.00	279.30	7300.00	295.44	.00	296.38	44.05	7.96	987.45	1099.90
	6.744	100.00	.00	.00	279.30	7300.00	296.13	.00	297.08	39.64	7.82	933.44	1159.50
	6.744	100.00	.00	.00	279.30	1500.00	290.16	.00	290.41	23.70	4.00	375.04	308.13
	6.744	100.00	.00	.00	279.30	4900.00	294.37	.00	294.98	32.37	6.29	816.75	861.19
	6.744	100.00	.00	.00	279.30	16000.00	297.37	.00	298.62	54.35	10.24	2023.62	2170.23
*	6.747	11.00	.00	.00	276.30	7300.00	295.71	.00	296.45	21.64	7.20	1124.22	1569.09
*	6.747	11.00	.00	.00	276.30	7300.00	296.48	.00	297.16	18.63	6.87	1142.34	1691.13
*	6.747	11.00	.00	.00	276.30	1500.00	290.34	.00	290.45	4.75	2.59	578.73	688.49
*	6.747	11.00	.00	.00	276.30	4900.00	294.60	.00	295.04	13.38	5.42	992.20	1339.72
	6.747	11.00	.00	.00	276.30	16000.00	297.77	.00	298.72	27.77	9.35	2476.18	3036.23
	6.750	18.00	290.30	288.30	276.30	7300.00	295.82	.00	296.78	28.00	7.85	929.57	1379.66
	6.750	18.00	290.30	288.30	276.30	7300.00	296.27	.00	297.17	25.68	7.62	958.08	1440.65
	6.750	18.00	290.30	288.30	276.30	1500.00	290.57	.00	290.67	4.37	2.53	594.88	717.61
	6.750	18.00	290.30	288.30	276.30	4900.00	295.09	.00	295.36	8.20	4.52	1437.37	1710.72
*	6.750	18.00	290.30	288.30	276.30	16000.00	299.65	.00	300.13	13.32	6.96	3381.40	4384.10
*	6.775	128.00	.00	.00	278.60	7300.00	296.08	.00	297.46	62.30	9.67	858.99	924.88
*	6.775	128.00	.00	.00	278.60	7300.00	296.39	.00	297.89	61.56	9.83	744.36	930.39
*	6.775	128.00	.00	.00	278.60	1500.00	290.54	.00	290.88	26.82	4.64	323.17	289.64
*	6.775	128.00	.00	.00	278.60	4900.00	294.90	.00	295.84	49.12	7.82	643.03	699.17
*	6.775	128.00	.00	.00	278.60	16000.00	299.71	.00	300.50	32.21	8.70	2613.67	2819.38
*	6.779	22.00	.00	.00	281.30	7300.00	296.18	.00	297.50	4.29	9.41	1069.86	3523.75
*	6.779	22.00	.00	.00	281.30	7300.00	296.54	.00	297.95	4.44	9.54	783.98	3462.61
*	6.779	22.00	.00	.00	281.30	1500.00	290.79	.00	290.94	.77	3.15	475.46	1706.05
*	6.779	22.00	.00	.00	281.30	4900.00	295.19	.00	295.93	2.57	6.96	817.86	3057.22
*	6.779	22.00	.00	.00	281.30	16000.00	298.91	298.63	301.78	8.61	14.93	2295.90	5454.11
*	6.799	100.00	294.30	290.30	281.30	7300.00	296.51	.00	298.30	86.93	11.50	762.09	782.97
*	6.799	100.00	294.30	290.30	281.30	7300.00	297.58	.00	298.42	28.91	7.79	1081.32	1357.59
*	6.799	100.00	294.30	290.30	281.30	1500.00	290.97	.00	291.12	8.13	3.10	484.44	526.21
*	6.799	100.00	294.30	290.30	281.30	4900.00	295.84	.00	296.90	51.54	8.65	664.51	682.50
*	6.799	100.00	294.30	290.30	281.30	16000.00	301.47	.00	301.78	11.93	5.77	3935.64	4632.49
*	6.803	70.00	.00	.00	282.30	7300.00	298.66	.00	298.99	10.81	5.08	1752.96	2220.47
*	6.803	70.00	.00	.00	282.30	7300.00	298.30	.00	298.71	13.26	5.52	1482.60	2004.92
	6.803	70.00	.00	.00	282.30	1500.00	291.02	.00	291.23	16.28	3.67	413.08	371.76
*	6.803	70.00	.00	.00	282.30	4900.00	297.07	.00	297.33	9.42	4.34	1276.90	1596.25
	6.803	70.00	.00	.00	282.30	16000.00	301.50	.00	301.97	14.31	6.71	3277.72	4229.06

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
6.822	98.00	.00	.00	282.50	7300.00	298.82	.00	299.11	9.23	4.60	1889.93	2402.33
6.822	98.00	.00	.00	282.50	7300.00	298.44	.00	298.84	12.80	5.30	1504.19	2040.68
6.822	98.00	.00	.00	282.50	1500.00	291.24	.00	291.39	12.32	3.09	485.49	427.39
6.822	98.00	.00	.00	282.50	4900.00	297.21	.00	297.43	8.19	3.93	1391.64	1712.42
6.822	98.00	.00	.00	282.50	16000.00	301.63	.00	302.12	13.72	6.47	3215.98	4319.91
6.836	73.00	.00	.00	282.60	7300.00	298.92	.00	299.18	9.30	4.47	1978.13	2393.73
6.836	73.00	.00	.00	282.60	7300.00	298.56	.00	298.95	13.16	5.20	1557.18	2011.96
6.836	73.00	.00	.00	282.60	1500.00	291.34	.00	291.51	16.33	3.33	450.96	371.17
6.836	73.00	.00	.00	282.60	4900.00	297.27	.00	297.49	9.01	3.95	1419.92	1632.42
6.836	73.00	.00	.00	282.60	16000.00	301.73	.00	302.22	14.03	6.37	3101.18	4271.04
6.884	250.00	.00	.00	283.60	7300.00	299.15	.00	299.57	15.14	5.50	1550.32	1875.87
6.884	250.00	.00	.00	283.60	7300.00	298.88	.00	299.47	20.17	6.24	1221.84	1625.24
6.884	250.00	.00	.00	283.60	1500.00	291.80	.00	292.03	23.32	3.85	389.74	310.60
6.884	250.00	.00	.00	283.60	4900.00	297.50	.00	297.84	14.40	4.79	1124.64	1291.33
6.884	250.00	.00	.00	283.60	16000.00	302.07	.00	302.79	21.40	7.68	2596.95	3458.38
6.931	250.00	.00	.00	285.00	7300.00	299.55	.00	300.20	26.29	6.78	1189.03	1423.72
6.931	250.00	.00	.00	285.00	7300.00	299.40	.00	300.33	35.04	7.74	944.75	1233.14
6.931	250.00	.00	.00	285.00	1500.00	292.54	.00	292.91	46.22	4.90	305.99	220.63
6.931	250.00	.00	.00	285.00	4900.00	297.90	.00	298.41	25.23	5.87	901.49	975.48
6.931	250.00	.00	.00	285.00	16000.00	302.51	.00	303.95	41.95	10.22	1736.59	2470.37
6.978	245.00	.00	.00	286.50	7300.00	300.27	.00	301.03	37.51	6.99	1044.83	1191.97
6.978	245.00	.00	.00	286.50	7300.00	300.55	.00	301.25	33.83	6.74	1082.95	1255.01
6.978	245.00	.00	.00	286.50	1500.00	293.70	.00	294.04	45.60	4.73	317.14	222.12
6.978	245.00	.00	.00	286.50	4900.00	298.59	.00	299.14	33.31	5.93	826.59	848.97
6.978	245.00	.00	.00	286.50	16000.00	303.62	.00	305.15	52.60	10.06	1661.10	2206.21
7.026	251.00	.00	.00	289.20	7300.00	301.33	.00	302.11	48.75	7.13	1024.05	1045.52
7.026	251.00	.00	.00	289.20	7300.00	301.51	.00	302.26	46.01	6.92	1054.21	1076.21
7.026	251.00	.00	.00	289.20	1500.00	294.98	.00	295.40	60.53	5.20	288.60	192.81
7.026	251.00	.00	.00	289.20	4900.00	299.51	.00	300.14	43.02	6.36	770.83	747.05
7.026	251.00	.00	.00	289.20	16000.00	305.33	.00	306.44	39.95	8.64	1938.08	2531.29
*	7.071	232.00	.00	290.00	7300.00	301.25	.00	303.85	11.05	12.93	564.41	2196.07
*	7.071	232.00	.00	290.00	7300.00	301.43	.00	303.95	10.61	12.75	572.40	2241.00
*	7.071	232.00	.00	290.00	1500.00	295.22	.00	295.73	4.76	5.74	261.42	687.51
*	7.071	232.00	.00	290.00	4900.00	299.57	.00	301.19	8.03	10.21	479.77	1729.05
*	7.071	232.00	.00	290.00	16000.00	307.34	307.34	310.57	9.29	15.62	1968.86	5249.63
*	7.088	90.00	303.00	299.00	290.00	7300.00	304.42	.00	305.92	4.78	893.46	3338.61
*	7.088	90.00	303.00	299.00	290.00	7300.00	304.47	.00	305.98	5.12	830.20	3227.74
*	7.088	90.00	303.00	299.00	290.00	1500.00	295.93	.00	296.32	3.22	296.69	836.02
*	7.088	90.00	303.00	299.00	290.00	4900.00	302.00	.00	303.03	4.06	601.68	2432.09
*	7.088	90.00	303.00	299.00	290.00	16000.00	307.54	.00	310.57	8.68	2071.65	5430.23

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
	7.091	24.00	.00	.00	292.10	7300.00	306.27	.00	306.54	4.97	4.46	1939.68	3273.78
	7.091	24.00	.00	.00	292.10	7300.00	306.18	.00	306.56	6.80	5.09	1542.01	2798.43
*	7.091	24.00	.00	.00	292.10	1500.00	295.83	.00	296.63	74.37	7.19	208.70	173.94
*	7.091	24.00	.00	.00	292.10	4900.00	302.98	.00	303.36	10.56	5.04	1054.61	1507.59
*	7.091	24.00	.00	.00	292.10	16000.00	311.97	.00	312.05	1.21	2.95	7537.77	14520.73
	7.138	243.00	.00	.00	292.00	7300.00	306.55	.00	306.70	3.23	3.67	2839.98	4060.74
	7.138	243.00	.00	.00	292.00	7300.00	306.35	.00	306.74	7.35	5.34	1594.90	2692.92
*	7.138	243.00	.00	.00	292.00	1500.00	297.50	.00	297.98	34.81	5.57	269.48	254.25
	7.138	243.00	.00	.00	292.00	4900.00	303.34	.00	303.64	8.60	4.75	1320.06	1670.52
	7.138	243.00	.00	.00	292.00	16000.00	311.99	.00	312.11	1.75	3.55	6397.40	12082.01
	7.186	252.00	.00	.00	292.40	7300.00	306.63	.00	306.88	5.85	4.39	2016.87	3017.30
	7.186	252.00	.00	.00	292.40	7300.00	306.58	.00	306.94	7.60	4.98	1601.32	2648.41
	7.186	252.00	.00	.00	292.40	1500.00	298.37	.00	298.73	22.03	4.83	310.77	319.57
	7.186	252.00	.00	.00	292.40	4900.00	303.59	.00	304.00	14.73	5.28	1034.46	1276.74
	7.186	252.00	.00	.00	292.40	16000.00	312.02	.00	312.23	3.12	4.38	4909.31	9062.76
*	7.233	247.00	.00	.00	293.60	7300.00	306.71	.00	307.40	12.85	6.79	1129.52	2036.57
	7.233	247.00	.00	.00	293.60	7300.00	306.72	.00	307.48	14.46	7.03	1038.21	1919.49
	7.233	247.00	.00	.00	293.60	1500.00	299.05	.00	299.57	42.24	5.78	259.52	230.81
	7.233	247.00	.00	.00	293.60	4900.00	303.93	.00	304.59	18.96	6.58	759.98	1125.39
*	7.233	247.00	.00	.00	293.60	16000.00	311.87	.00	313.09	13.30	9.17	1912.71	4387.47
	7.263	157.00	.00	.00	295.90	7300.00	306.20	.00	309.30	14.35	14.14	516.31	1927.13
	7.263	157.00	.00	.00	295.90	7300.00	306.25	.00	309.32	14.15	14.07	518.82	1940.96
*	7.263	157.00	.00	.00	295.90	1500.00	299.27	.00	300.50	18.91	8.90	168.51	344.94
	7.263	157.00	.00	.00	295.90	4900.00	303.65	.00	306.12	15.12	12.62	388.31	1260.09
*	7.263	157.00	.00	.00	295.90	16000.00	310.42	310.42	317.91	25.42	21.96	728.62	3173.47
*	7.300	200.00	310.90	304.90	295.90	7300.00	312.01	.00	313.27	3.78	9.01	828.08	3754.92
*	7.300	200.00	310.90	304.90	295.90	7300.00	312.04	.00	313.29	3.76	8.99	830.30	3766.49
*	7.300	200.00	310.90	304.90	295.90	1500.00	300.49	.00	301.15	7.14	6.54	229.53	561.39
*	7.300	200.00	310.90	304.90	295.90	4900.00	306.11	.00	307.53	6.64	9.58	511.73	1902.02
*	7.300	200.00	310.90	304.90	295.90	16000.00	313.98	.00	318.60	12.05	17.37	1033.97	4608.41
*	7.304	33.00	.00	.00	295.30	7300.00	313.53	.00	313.78	.50	4.03	2051.14	10306.11
*	7.304	33.00	.00	.00	295.30	7300.00	313.52	.00	313.79	.53	4.14	1765.03	10018.04
*	7.304	33.00	.00	.00	295.30	1500.00	301.13	.00	301.37	2.38	3.95	380.11	972.77
*	7.304	33.00	.00	.00	295.30	4900.00	307.76	.00	308.09	1.21	4.62	1062.05	4458.71
*	7.304	33.00	.00	.00	295.30	16000.00	320.19	.00	320.68	.62	5.77	3568.70	20303.89
*	7.351	248.00	.00	.00	295.30	7300.00	313.48	.00	313.95	1.05	5.52	1415.54	7111.88
*	7.351	248.00	.00	.00	295.30	7300.00	313.48	.00	313.96	1.08	5.60	1306.37	7011.92
*	7.351	248.00	.00	.00	295.30	1500.00	301.12	.00	301.72	6.61	6.22	241.18	583.60
*	7.351	248.00	.00	.00	295.30	4900.00	307.70	.00	308.37	2.93	6.59	743.83	2861.18
	7.351	248.00	.00	.00	295.30	16000.00	320.12	.00	320.91	1.13	7.47	3197.49	15064.99

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10*KS	VCH	AREA	.01K
*	7.375	121.00	.00	.00	295.50	7300.00	313.41	.00	314.18	2.21	7.14	1132.09	4909.91
*	7.375	121.00	.00	.00	295.50	7300.00	313.39	.00	314.22	2.48	7.32	998.55	4639.02
	7.375	121.00	.00	.00	295.50	1500.00	301.09	.00	302.09	9.99	8.04	186.61	474.47
*	7.375	121.00	.00	.00	295.50	4900.00	307.54	.00	308.91	6.05	9.39	521.79	1991.58
	7.375	121.00	.00	.00	295.50	16000.00	319.98	.00	321.29	2.16	9.52	2196.14	10875.59

BUENA VISTA CREEK, EL CAM

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	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	4.727	8000.00	187.40	.00	.00	.00	190.53	.00
	4.727	8000.00	187.73	.33	.00	.33	89.30	.00
*	4.727	1700.00	181.84	-5.89	.00	.00	45.20	.00
	4.727	5100.00	185.89	4.05	.00	.00	172.08	.00
	4.727	18000.00	191.52	5.63	.00	.00	359.55	.00
* 4.728	8000.00	188.49	.00	1.09	.00	37.32	5.00	
* 4.728	8000.00	188.48	-.02	.75	-.02	37.32	5.00	
* 4.728	1700.00	182.81	-5.66	.97	.00	37.16	5.00	
* 4.728	5100.00	185.55	2.73	-.34	.00	37.24	5.00	
* 4.728	18000.00	197.21	11.66	5.69	.00	760.61	5.00	
* 4.739	8000.00	191.69	.00	3.20	.00	140.06	54.00	
* 4.739	8000.00	191.65	-.04	3.18	-.04	37.40	54.00	
* 4.739	1700.00	184.26	-7.39	1.45	.00	37.20	54.00	
* 4.739	5100.00	191.75	7.49	6.20	.00	144.83	54.00	
* 4.739	18000.00	197.28	5.53	.07	.00	769.26	54.00	
* 4.744	8000.00	191.74	.00	.05	.00	56.47	39.00	
* 4.744	8000.00	191.74	.00	.09	.00	56.47	39.00	
* 4.744	1700.00	185.09	-6.65	.83	-6.65	39.39	39.00	
	4.744	5100.00	191.59	6.49	-.16	-.16	56.21	39.00
* 4.744	18000.00	197.85	6.27	.57	6.11	58.00	39.00	
* 4.758	8000.00	192.13	.00	.39	.00	58.00	69.00	
* 4.758	8000.00	192.13	.00	.39	.00	58.00	69.00	
* 4.758	1700.00	185.59	-6.53	.50	-6.53	38.89	69.00	
	4.758	5100.00	191.56	5.97	-.03	-.57	58.00	69.00
* 4.758	18000.00	198.23	6.67	.38	6.10	58.00	69.00	
* 4.767	8000.00	192.91	.00	.78	.00	58.00	47.00	
* 4.767	8000.00	192.91	.00	.78	.00	58.00	47.00	
* 4.767	1700.00	186.09	-6.82	.50	-6.82	36.75	47.00	
	4.767	5100.00	191.36	5.27	-.20	-1.55	58.00	47.00
* 4.767	18000.00	199.12	7.76	.89	6.21	58.00	47.00	
* 4.814	8000.00	194.79	.00	1.88	.00	136.50	247.00	
* 4.814	8000.00	194.79	.00	1.88	.00	136.50	247.00	
* 4.814	1700.00	188.55	-6.24	2.46	-6.24	38.15	247.00	
* 4.814	5100.00	193.23	4.68	1.87	-1.56	113.21	247.00	
* 4.814	18000.00	208.21	14.98	9.09	13.42	136.50	247.00	
* 4.829	8000.00	194.94	.00	.15	.00	136.50	74.00	
* 4.829	8000.00	194.94	.00	.15	.00	136.50	74.00	
	4.829	1700.00	189.61	-5.33	1.06	-5.33	43.25	74.00
	4.829	5100.00	194.28	4.67	1.05	-.66	125.93	74.00
	4.829	18000.00	208.21	13.93	.00	13.27	136.50	74.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	4.876	8000.00	196.31	.00	1.37	.00	136.50	250.00
*	4.876	8000.00	196.31	.00	1.37	.00	136.50	250.00
*	4.876	1700.00	190.57	-5.75	.95	-5.75	39.82	250.00
*	4.876	5100.00	195.01	4.44	.72	-1.30	136.50	250.00
	4.876	18000.00	208.22	13.21	.01	11.91	136.50	250.00
*	4.923	8000.00	197.78	.00	1.46	.00	136.50	250.00
*	4.923	8000.00	197.78	.00	1.46	.00	136.50	250.00
*	4.923	1700.00	191.64	-6.13	1.08	-6.13	39.53	250.00
*	4.923	5100.00	196.32	4.67	1.31	-1.46	136.50	250.00
	4.923	18000.00	208.17	11.85	-.05	10.39	136.50	250.00
*	4.971	8000.00	199.26	.00	1.48	.00	73.50	251.00
*	4.971	8000.00	199.26	.00	1.48	.00	73.50	251.00
*	4.971	1700.00	192.70	-6.55	1.06	-6.55	39.49	251.00
*	4.971	5100.00	197.31	4.61	.99	-1.95	73.50	251.00
*	4.971	18000.00	207.13	9.82	-1.04	7.87	73.50	251.00
*	5.018	8000.00	202.91	.00	3.65	.00	91.18	246.00
*	5.018	8000.00	202.91	.00	3.65	.00	91.28	246.00
	5.018	1700.00	195.40	-7.51	2.69	-7.51	61.88	246.00
*	5.018	5100.00	200.26	4.86	2.95	-2.65	74.87	246.00
*	5.018	18000.00	212.36	12.11	5.24	9.46	801.90	246.00
	5.065	8000.00	204.66	.00	1.75	.00	111.96	247.00
	5.065	8000.00	204.66	.00	1.75	.00	111.94	247.00
	5.065	1700.00	196.65	-8.00	1.26	-8.01	65.91	247.00
	5.065	5100.00	201.66	5.01	1.40	-3.00	94.45	247.00
	5.065	18000.00	212.46	10.80	.10	7.80	859.98	247.00
	5.113	8000.00	205.71	.00	1.05	.00	93.65	254.00
	5.113	8000.00	205.71	.00	1.05	.00	88.42	254.00
	5.113	1700.00	198.22	-7.49	1.56	-7.49	61.09	254.00
	5.113	5100.00	202.90	4.68	1.24	-2.81	80.70	254.00
	5.113	18000.00	212.59	9.69	.12	6.88	822.14	254.00
	5.160	8000.00	207.43	.00	1.72	.00	100.70	258.00
	5.160	8000.00	207.45	.02	1.75	.02	100.80	258.00
	5.160	1700.00	200.08	-7.37	1.86	-7.36	64.38	258.00
	5.160	5100.00	204.68	4.60	1.78	-2.76	87.09	258.00
*	5.160	18000.00	212.78	8.11	.20	5.35	772.95	258.00
	5.207	8000.00	208.72	.00	1.29	.00	81.15	242.00
	5.207	8000.00	208.73	.01	1.28	.01	81.20	242.00
	5.207	1700.00	201.52	-7.21	1.45	-7.20	49.60	242.00
	5.207	5100.00	206.06	4.54	1.39	-2.66	69.50	242.00
*	5.207	18000.00	213.78	7.72	1.00	5.06	768.07	242.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	5.258	8000.00	211.16	.00	2.44	.00	72.04	264.00
	5.258	8000.00	211.16	.00	2.43	.00	71.85	264.00
	5.258	1700.00	203.82	-7.35	2.29	-7.35	45.55	264.00
	5.258	5100.00	208.51	4.70	2.45	-2.65	62.59	264.00
*	5.258	18000.00	215.78	7.27	2.00	4.62	459.69	264.00
	5.267	8000.00	211.65	.00	.48	.00	68.53	49.00
	5.267	8000.00	211.54	-.11	.37	-.11	58.90	49.00
	5.267	1700.00	204.21	-7.33	.39	-7.43	50.15	49.00
	5.267	5100.00	209.05	4.83	.53	-2.60	62.40	49.00
*	5.267	18000.00	217.46	8.42	1.68	5.82	535.99	49.00
*	5.271	8000.00	211.15	.00	-.50	.00	34.17	21.00
*	5.271	8000.00	211.19	.04	-.35	.04	34.17	21.00
*	5.271	1700.00	204.83	-6.36	.62	-6.32	34.10	21.00
*	5.271	5100.00	208.97	4.14	-.08	-2.18	34.15	21.00
*	5.271	18000.00	221.05	12.09	3.59	9.91	756.71	21.00
	5.276	8000.00	214.47	.00	3.33	.00	34.25	24.00
	5.276	8000.00	214.48	.00	3.29	.00	34.25	24.00
	5.276	1700.00	205.00	-9.48	.17	-9.48	34.10	24.00
	5.276	5100.00	210.29	5.29	1.32	-4.19	34.16	24.00
	5.276	18000.00	221.28	10.99	.23	6.81	769.45	24.00
*	5.278	8000.00	215.75	.00	1.28	.00	76.43	19.00
*	5.278	8000.00	215.49	-.26	1.01	-.26	69.07	19.00
*	5.278	1700.00	204.58	-10.91	-.42	-11.18	37.89	19.00
*	5.278	5100.00	209.98	5.41	-.30	-5.77	60.14	19.00
*	5.278	18000.00	223.76	13.78	2.48	8.01	1066.24	19.00
*	5.302	8000.00	217.48	.00	1.73	.00	422.67	124.00
*	5.302	8000.00	216.84	-.64	1.35	-.64	85.38	124.00
*	5.302	1700.00	207.47	-9.36	2.90	-10.01	57.03	124.00
*	5.302	5100.00	212.71	5.24	2.73	-4.77	76.30	124.00
	5.302	18000.00	223.78	11.07	.02	6.30	939.68	124.00
*	5.349	8000.00	218.20	.00	.72	.00	473.97	245.00
*	5.349	8000.00	218.15	-.05	1.32	-.05	239.39	245.00
*	5.349	1700.00	210.93	-7.23	3.45	-7.28	31.73	245.00
*	5.349	5100.00	217.24	6.31	4.53	-.97	375.24	245.00
*	5.349	18000.00	223.87	6.63	.09	5.66	672.05	245.00
	5.397	8000.00	219.91	.00	1.71	.00	487.00	245.00
	5.397	8000.00	220.30	.39	2.14	.39	227.75	245.00
*	5.397	1700.00	215.01	-5.29	4.09	-4.90	40.13	245.00
*	5.397	5100.00	218.71	3.69	1.47	-1.21	415.67	245.00
	5.397	18000.00	224.11	5.40	.24	4.19	596.94	245.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	5.435	8000.00	221.17	.00	1.26	.00	175.59	204.00
*	5.435	8000.00	221.89	.72	1.59	.72	142.30	204.00
*	5.435	1700.00	216.03	-5.86	1.02	-5.14	39.29	204.00
*	5.435	5100.00	220.42	4.39	1.72	-.75	162.76	204.00
*	5.435	18000.00	224.49	4.07	.38	3.32	583.01	204.00
*	5.463	8000.00	224.00	.00	2.83	.00	323.76	157.00
*	5.463	8000.00	224.25	.24	2.36	.24	160.50	157.00
*	5.463	1700.00	217.67	-6.58	1.63	-6.34	70.89	157.00
*	5.463	5100.00	222.15	4.48	1.73	-1.86	275.05	157.00
*	5.463	18000.00	224.79	2.64	.30	.78	493.65	157.00
*	5.491	8000.00	227.37	.00	3.37	.00	232.41	149.00
*	5.491	8000.00	227.38	.01	3.13	.01	228.46	149.00
*	5.491	1700.00	224.66	-2.72	7.00	-2.71	161.51	149.00
*	5.491	5100.00	226.46	1.80	4.31	-.91	226.03	149.00
*	5.491	18000.00	228.78	2.31	3.99	1.40	487.06	149.00
*	5.539	8000.00	233.49	.00	6.12	.00	167.61	253.00
*	5.539	8000.00	233.52	.03	6.14	.03	160.98	253.00
*	5.539	1700.00	229.94	-3.58	5.28	-3.55	111.60	253.00
*	5.539	5100.00	232.05	2.10	5.59	-1.45	135.92	253.00
*	5.539	18000.00	232.07	.02	3.29	-1.42	636.94	253.00
*	5.586	8000.00	236.65	.00	3.15	.00	128.00	242.00
*	5.586	8000.00	236.99	.34	3.47	.34	249.50	242.00
*	5.586	1700.00	232.98	-4.01	3.03	-3.67	104.29	242.00
*	5.586	5100.00	235.48	2.51	3.44	-1.16	128.00	242.00
*	5.586	18000.00	233.64	-1.84	1.57	-3.01	589.23	242.00
*	5.598	8000.00	238.26	.00	1.61	.00	321.80	59.00
*	5.598	8000.00	237.31	-.95	.32	-.95	264.00	59.00
*	5.598	1700.00	233.86	-3.45	.88	-4.40	122.62	59.00
*	5.598	5100.00	235.79	1.93	.31	-2.46	180.39	59.00
*	5.598	18000.00	239.17	3.38	5.54	.92	543.27	59.00
*	5.634	8000.00	239.11	.00	.86	.00	324.13	190.00
*	5.634	8000.00	239.08	-.03	1.78	-.03	396.32	190.00
*	5.634	1700.00	235.63	-3.45	1.77	-3.48	38.09	190.00
*	5.634	5100.00	238.06	2.43	2.27	-1.05	316.65	190.00
*	5.634	18000.00	241.55	3.49	2.38	2.44	1473.02	190.00
*	5.670	7800.00	239.49	.00	.37	.00	242.77	186.00
*	5.670	7800.00	239.26	-.23	.18	-.23	364.43	186.00
*	5.670	1650.00	238.14	-1.12	2.51	-1.34	34.80	186.00
*	5.670	4970.00	238.42	.27	.36	-1.07	231.74	186.00
*	5.670	17600.00	241.58	3.17	.03	2.10	838.52	186.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	5.675	7800.00	239.51	.00	.02	.00	250.28	26.00
*	5.675	7800.00	238.88	-.63	-.38	-.63	223.59	26.00
*	5.675	1650.00	239.16	.28	1.01	-.35	53.40	26.00
	5.675	4970.00	238.42	-.73	.01	-1.08	230.29	26.00
*	5.675	17600.00	240.85	2.43	-.73	1.35	368.71	26.00
	5.681	7800.00	240.77	.00	1.26	.00	513.74	33.00
*	5.681	7800.00	240.92	.15	2.04	.15	462.00	33.00
	5.681	1650.00	239.21	-1.71	.05	-1.56	53.08	33.00
*	5.681	4970.00	239.41	.20	.98	-1.36	506.20	33.00
*	5.681	17600.00	243.71	4.30	2.85	2.94	972.38	33.00
	5.728	7800.00	240.95	.00	.18	.00	533.58	254.00
*	5.728	7800.00	241.07	.12	.16	.12	343.40	254.00
	5.728	1650.00	239.96	-1.11	.75	-.99	115.16	254.00
*	5.728	4970.00	239.61	-.35	.21	-1.34	511.00	254.00
*	5.728	17600.00	243.80	4.19	.09	2.85	759.96	254.00
	5.776	7800.00	241.37	.00	.42	.00	471.81	245.00
*	5.776	7800.00	241.74	.37	.66	.37	235.11	245.00
*	5.776	1650.00	240.43	-1.31	.47	-.94	31.30	245.00
*	5.776	4970.00	240.25	-.18	.64	-1.12	399.56	245.00
*	5.776	17600.00	244.05	3.80	.26	2.68	651.08	245.00
	5.823	7800.00	242.66	.00	1.28	.00	377.35	250.00
	5.823	7800.00	243.37	.71	1.63	.71	256.17	250.00
	5.823	1650.00	242.76	-.61	2.33	.10	72.92	250.00
	5.823	4970.00	241.91	-.85	1.66	-.75	368.60	250.00
*	5.823	17600.00	244.57	2.66	.51	1.91	399.69	250.00
	5.870	7800.00	244.90	.00	2.24	.00	331.87	252.00
	5.870	7800.00	245.42	.52	2.05	.52	233.13	252.00
	5.870	1650.00	244.40	-1.02	1.64	-.50	54.45	252.00
*	5.870	4970.00	244.22	-.18	2.31	-.68	324.98	252.00
*	5.870	17600.00	246.80	2.58	2.23	1.90	386.57	252.00
	5.918	7800.00	250.54	.00	5.64	.00	139.10	244.00
*	5.918	7800.00	249.55	-.98	4.13	-.98	192.00	244.00
	5.918	1650.00	247.25	-2.30	2.85	-3.29	101.84	244.00
*	5.918	4970.00	249.27	2.02	5.05	-1.26	139.10	244.00
	5.918	17600.00	250.16	.89	3.36	-.38	619.33	244.00
	5.965	7800.00	254.11	.00	3.57	.00	435.92	248.00
*	5.965	7800.00	252.63	-1.48	3.08	-1.48	238.04	248.00
	5.965	1650.00	249.43	-3.20	2.18	-4.68	103.58	248.00
*	5.965	4970.00	252.34	2.90	3.06	-1.78	295.26	248.00
*	5.965	17600.00	254.75	2.41	4.59	.64	607.30	248.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	6.012	7800.00	255.89	.00	1.78	.00	316.35	250.00
*	6.012	7800.00	256.09	.20	3.46	.20	201.94	250.00
*	6.012	1650.00	252.31	-3.79	2.87	-3.59	70.58	250.00
*	6.012	4970.00	255.18	2.87	2.84	-.72	289.20	250.00
*	6.012	17600.00	257.83	2.65	3.08	1.94	335.10	250.00
*	6.060	7800.00	259.72	.00	3.83	.00	264.81	243.00
*	6.060	7800.00	259.76	.04	3.66	.04	171.53	243.00
*	6.060	1650.00	256.15	-3.60	3.85	-3.56	52.07	243.00
*	6.060	4970.00	258.81	2.66	3.64	-.91	248.26	243.00
*	6.060	17600.00	261.97	3.15	4.14	2.25	365.73	243.00
*	6.107	7800.00	263.27	.00	3.55	.00	270.40	244.00
*	6.107	7800.00	263.31	.04	3.55	.04	166.74	244.00
*	6.107	1650.00	259.72	-3.60	3.56	-3.56	52.40	244.00
*	6.107	4970.00	262.29	2.58	3.48	-.98	250.75	244.00
*	6.107	17600.00	265.40	3.11	3.44	2.13	313.25	244.00
*	6.154	7800.00	266.55	.00	3.28	.00	244.13	258.00
*	6.154	7800.00	266.68	.13	3.37	.13	168.20	258.00
*	6.154	1650.00	261.47	-5.21	1.76	-5.08	35.35	258.00
*	6.154	4970.00	265.49	4.02	3.20	-1.06	235.66	258.00
*	6.154	17600.00	268.77	3.28	3.37	2.22	261.91	258.00
*	6.202	7800.00	268.79	.00	2.24	.00	227.72	251.00
*	6.202	7800.00	268.62	-.17	1.94	-.17	126.80	251.00
*	6.202	1650.00	263.16	-5.46	1.69	-5.63	35.56	251.00
*	6.202	4970.00	267.36	4.20	1.87	-1.43	176.36	251.00
*	6.202	17600.00	271.46	4.09	2.68	2.67	331.93	251.00
*	6.249	7800.00	271.54	.00	2.74	.00	117.34	252.00
*	6.249	7800.00	271.41	-.13	2.79	-.13	94.50	252.00
*	6.249	1650.00	264.67	-6.74	1.51	-6.87	33.51	252.00
*	6.249	4970.00	269.38	4.71	2.01	-2.16	84.36	252.00
*	6.249	17600.00	275.99	6.61	4.53	4.45	219.16	252.00
*	6.296	7800.00	275.70	.00	4.17	.00	193.53	248.00
*	6.296	7800.00	275.85	.15	4.44	.15	151.56	248.00
*	6.296	1650.00	267.87	-7.97	3.20	-7.83	36.08	248.00
*	6.296	4970.00	273.53	5.66	4.16	-2.17	171.39	248.00
*	6.296	17600.00	279.55	6.02	3.56	3.85	304.04	248.00
*	6.311	7800.00	275.01	.00	-.69	.00	161.76	79.00
*	6.311	7800.00	275.03	.02	-.81	.02	122.23	79.00
*	6.311	1650.00	268.13	-6.91	.26	-6.88	33.51	79.00
*	6.311	4970.00	273.03	4.91	-.50	-1.98	151.50	79.00
*	6.311	17600.00	279.17	6.13	-.38	4.16	282.10	79.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	6.313	7800.00	275.91	.00	.90	.00	170.60	10.00
*	6.313	7800.00	276.08	.17	1.05	.17	133.22	10.00
*	6.313	1650.00	268.41	-7.67	.29	-7.50	24.14	10.00
*	6.313	4970.00	274.17	5.75	1.13	-1.74	151.97	10.00
*	6.313	17600.00	280.18	6.01	1.01	4.27	281.58	10.00
*	6.316	7800.00	276.25	.00	.34	.00	174.08	16.00
*	6.316	7800.00	277.27	1.02	1.19	1.02	130.00	16.00
*	6.316	1650.00	269.35	-7.92	.93	-6.90	24.17	16.00
*	6.316	4970.00	274.38	5.04	.22	-1.86	154.88	16.00
*	6.316	17600.00	280.55	6.16	.37	4.30	299.40	16.00
	6.324	7800.00	279.07	.00	2.82	.00	206.62	41.00
*	6.324	7800.00	279.30	.23	2.03	.23	138.00	41.00
*	6.324	1650.00	270.66	-8.63	1.32	-8.40	35.69	41.00
*	6.324	4970.00	276.83	6.16	2.44	-2.24	153.44	41.00
	6.324	17600.00	284.07	7.25	3.53	5.01	397.87	41.00
	6.366	7800.00	279.89	.00	.82	.00	175.24	223.00
	6.366	7800.00	280.15	.26	.85	.26	133.69	223.00
*	6.366	1650.00	274.89	-5.26	4.23	-4.99	100.38	223.00
	6.366	4970.00	277.75	2.86	.93	-2.13	144.06	223.00
	6.366	17600.00	284.74	6.99	.67	4.86	221.82	223.00
	6.413	7800.00	280.85	.00	.97	.00	221.54	243.00
*	6.413	7800.00	281.03	.17	.88	.17	119.00	243.00
*	6.413	1650.00	276.67	-4.36	1.77	-4.19	115.28	243.00
*	6.413	4970.00	279.08	2.41	1.33	-1.77	173.27	243.00
	6.413	17600.00	285.69	6.61	.95	4.84	312.96	243.00
*	6.460	7800.00	283.10	.00	2.25	.00	207.73	243.00
*	6.460	7800.00	283.92	.82	2.90	.82	146.00	243.00
*	6.460	1650.00	279.19	-4.74	2.52	-3.91	151.41	243.00
*	6.460	4970.00	281.79	2.60	2.71	-1.31	187.97	243.00
	6.460	17600.00	286.72	4.93	1.03	3.62	254.62	243.00
*	6.494	7800.00	283.72	.00	.62	.00	170.73	174.00
	6.494	7800.00	284.48	.77	.56	.77	168.34	174.00
*	6.494	1650.00	279.85	-4.63	.66	-3.87	136.93	174.00
*	6.494	4970.00	282.38	2.53	.60	-1.33	163.03	174.00
*	6.494	17600.00	287.22	4.84	.50	3.50	191.18	174.00
*	6.522	7800.00	285.07	.00	1.35	.00	237.10	151.00
	6.522	7800.00	284.93	-.14	.44	-.14	113.00	151.00
*	6.522	1650.00	281.13	-3.79	1.28	-3.94	179.45	151.00
*	6.522	4970.00	283.48	2.35	1.10	-1.59	216.12	151.00
*	6.522	17600.00	289.45	5.97	2.23	4.38	336.56	151.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	6.523	7800.00	285.07	.00	.00	.00	126.97	8.00
*	6.523	7800.00	285.08	.02	.16	.02	119.00	8.00
*	6.523	1650.00	280.99	-4.09	-.14	-4.07	72.76	8.00
*	6.523	4970.00	283.49	2.50	.01	-1.57	109.92	8.00
*	6.523	17600.00	289.11	5.62	-.34	4.05	170.79	8.00
*	6.555	7800.00	289.19	.00	4.12	.00	315.68	157.00
*	6.555	7800.00	289.19	.01	4.11	.01	161.00	157.00
*	6.555	1650.00	282.91	-6.28	1.92	-6.28	176.01	157.00
*	6.555	4970.00	286.96	4.05	3.47	-2.23	279.32	157.00
*	6.555	17600.00	294.54	7.58	5.43	5.35	708.37	157.00
*	6.602	7300.00	289.52	.00	.33	.00	285.13	250.00
*	6.602	7300.00	289.72	.20	.53	.20	162.31	250.00
*	6.602	1500.00	284.71	-5.01	1.80	-4.81	164.33	250.00
*	6.602	4900.00	287.42	2.71	.46	-2.10	242.14	250.00
*	6.602	16000.00	294.74	7.31	.20	5.22	647.68	250.00
*	6.650	7300.00	290.89	.00	1.37	.00	190.02	251.00
	6.650	7300.00	291.47	.58	1.75	.58	122.15	251.00
*	6.650	1500.00	286.91	-4.56	2.20	-3.98	71.64	251.00
	6.650	4900.00	289.63	2.72	2.21	-1.25	142.78	251.00
*	6.650	16000.00	295.32	5.69	.59	4.44	698.06	251.00
	6.697	7300.00	293.73	.00	2.84	.00	197.50	245.00
	6.697	7300.00	293.52	-.21	2.05	-.21	160.00	245.00
	6.697	1500.00	288.32	-5.20	1.41	-5.41	46.86	245.00
	6.697	4900.00	292.13	3.81	2.50	-1.60	195.69	245.00
	6.697	16000.00	296.07	3.94	.75	2.34	459.11	245.00
	6.725	7300.00	295.02	.00	1.29	.00	172.46	150.00
*	6.725	7300.00	295.77	.75	2.25	.75	123.00	150.00
*	6.725	1500.00	289.69	-6.08	1.37	-5.33	78.89	150.00
*	6.725	4900.00	294.07	4.38	1.94	-.95	161.62	150.00
	6.725	16000.00	296.79	2.72	.72	1.77	384.84	150.00
	6.744	7300.00	295.44	.00	.42	.00	161.59	100.00
	6.744	7300.00	296.13	.70	.36	.70	97.80	100.00
	6.744	1500.00	290.16	-5.97	.47	-5.28	77.68	100.00
	6.744	4900.00	294.37	4.21	.30	-1.06	159.28	100.00
	6.744	16000.00	297.37	2.99	.58	1.93	365.50	100.00
*	6.747	7300.00	295.71	.00	.27	.00	120.12	11.00
*	6.747	7300.00	296.48	.77	.34	.77	94.00	11.00
*	6.747	1500.00	290.34	-6.14	.18	-5.37	65.98	11.00
*	6.747	4900.00	294.60	4.26	.23	-1.10	118.90	11.00
	6.747	16000.00	297.77	3.17	.40	2.06	451.32	11.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	6.750	7300.00	295.82	.00	.11	.00	64.00	18.00
	6.750	7300.00	296.27	.45	-.21	.45	64.00	18.00
	6.750	1500.00	290.57	-5.70	.23	-5.25	76.65	18.00
	6.750	4900.00	295.09	4.53	.49	-.72	343.03	18.00
*	6.750	16000.00	299.65	4.56	1.88	3.83	512.90	18.00
*	6.775	7300.00	296.08	.00	.26	.00	222.65	128.00
*	6.775	7300.00	296.39	.32	.13	.32	80.00	128.00
*	6.775	1500.00	290.54	-5.85	-.03	-5.54	56.27	128.00
*	6.775	4900.00	294.90	4.36	-.20	-1.18	141.02	128.00
*	6.775	16000.00	299.71	4.82	.06	3.64	524.77	128.00
*	6.779	7300.00	296.18	.00	.10	.00	278.45	22.00
*	6.779	7300.00	296.54	.36	.15	.36	60.00	22.00
*	6.779	1500.00	290.79	-5.75	.25	-5.39	50.22	22.00
*	6.779	4900.00	295.19	4.40	.29	-.99	221.15	22.00
*	6.779	16000.00	298.91	3.73	-.80	2.73	563.09	22.00
*	6.799	7300.00	296.51	.00	.33	.00	145.00	100.00
*	6.799	7300.00	297.58	1.07	1.04	1.07	140.00	100.00
*	6.799	1500.00	290.97	-6.61	.18	-5.54	50.23	100.00
*	6.799	4900.00	295.84	4.87	.66	-.67	145.00	100.00
*	6.799	16000.00	301.47	5.63	2.56	4.96	687.03	100.00
*	6.803	7300.00	298.66	.00	2.14	.00	368.40	70.00
*	6.803	7300.00	298.30	-.36	.72	-.36	186.89	70.00
	6.803	1500.00	291.02	-7.28	.05	-7.63	99.10	70.00
*	6.803	4900.00	297.07	6.05	1.23	-1.59	222.82	70.00
	6.803	16000.00	301.50	4.43	.03	2.84	568.84	70.00
	6.822	7300.00	298.82	.00	.17	.00	366.23	98.00
	6.822	7300.00	298.44	-.39	.14	-.39	176.00	98.00
	6.822	1500.00	291.24	-7.20	.22	-7.58	93.08	98.00
	6.822	4900.00	297.21	5.96	.14	-1.62	239.13	98.00
	6.822	16000.00	301.63	4.42	.13	2.81	528.88	98.00
	6.836	7300.00	298.92	.00	.10	.00	374.06	73.00
	6.836	7300.00	298.56	-.36	.12	-.36	209.00	73.00
	6.836	1500.00	291.34	-7.22	.09	-7.58	95.75	73.00
	6.836	4900.00	297.27	5.93	.06	-1.65	297.18	73.00
	6.836	16000.00	301.73	4.46	.10	2.81	432.62	73.00
	6.884	7300.00	299.15	.00	.23	.00	299.70	250.00
	6.884	7300.00	298.88	-.27	.32	-.27	138.00	250.00
	6.884	1500.00	291.80	-7.09	.46	-7.36	86.56	250.00
	6.884	4900.00	297.50	5.71	.23	-1.65	219.32	250.00
	6.884	16000.00	302.07	4.57	.34	2.92	408.66	250.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
6.931	7300.00	299.55	.00	.39	.00	178.24	250.00	
6.931	7300.00	299.40	-.15	.51	-.15	99.00	250.00	
6.931	1500.00	292.54	-6.86	.74	-7.01	78.49	250.00	
6.931	4900.00	297.90	5.36	.40	-1.65	171.03	250.00	
6.931	16000.00	302.51	4.61	.45	2.97	191.23	250.00	
6.978	7300.00	300.27	.00	.72	.00	135.26	245.00	
6.978	7300.00	300.55	.28	1.15	.28	136.89	245.00	
6.978	1500.00	293.70	-6.85	1.16	-6.57	86.00	245.00	
6.978	4900.00	298.59	4.90	.69	-1.67	125.58	245.00	
6.978	16000.00	303.62	5.03	1.11	3.36	210.79	245.00	
7.026	7300.00	301.33	.00	1.06	.00	157.63	251.00	
7.026	7300.00	301.51	.19	.97	.19	162.34	251.00	
7.026	1500.00	294.98	-6.53	1.28	-6.35	84.14	251.00	
7.026	4900.00	299.51	4.53	.91	-1.82	128.23	251.00	
7.026	16000.00	305.33	5.82	1.71	4.01	228.07	251.00	
*	7.071	7300.00	301.25	.00	-.07	.00	50.36	232.00
*	7.071	7300.00	301.43	.18	-.08	.18	50.16	232.00
*	7.071	1500.00	295.22	-6.21	.24	-6.03	50.12	232.00
*	7.071	4900.00	299.57	4.35	.07	-1.68	50.24	232.00
*	7.071	16000.00	307.34	7.77	2.01	6.09	488.59	232.00
*	7.088	7300.00	304.42	.00	3.17	.00	224.94	90.00
*	7.088	7300.00	304.47	.05	3.04	.05	138.12	90.00
	7.088	1500.00	295.93	-8.54	.70	-8.49	50.13	90.00
*	7.088	4900.00	302.00	6.07	2.42	-2.42	50.42	90.00
*	7.088	16000.00	307.54	5.55	.20	3.12	501.03	90.00
	7.091	7300.00	306.27	.00	1.85	.00	275.22	24.00
	7.091	7300.00	306.18	-.09	1.71	-.09	208.65	24.00
*	7.091	1500.00	295.83	-10.35	-.10	-10.45	75.09	24.00
*	7.091	4900.00	302.98	7.15	.98	-3.29	244.50	24.00
*	7.091	16000.00	311.97	8.99	4.43	5.70	745.26	24.00
	7.138	7300.00	306.55	.00	.28	.00	628.97	243.00
	7.138	7300.00	306.35	-.21	.17	-.21	210.00	243.00
*	7.138	1500.00	297.50	-8.85	1.67	-9.05	79.80	243.00
	7.138	4900.00	303.34	5.84	.36	-3.21	358.84	243.00
	7.138	16000.00	311.99	8.65	.02	5.44	664.36	243.00
	7.186	7300.00	306.63	.00	.08	.00	345.85	252.00
	7.186	7300.00	306.58	-.05	.24	-.05	214.00	252.00
	7.186	1500.00	298.37	-8.22	.87	-8.26	81.09	252.00
	7.186	4900.00	303.59	5.22	.25	-3.04	281.87	252.00
	7.186	16000.00	312.02	8.43	.03	5.39	641.56	252.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	7.233	7300.00	306.71	.00	.08	.00	138.40	247.00
	7.233	7300.00	306.72	.01	.13	.01	107.00	247.00
	7.233	1500.00	299.05	-7.66	.69	-7.65	83.68	247.00
	7.233	4900.00	303.93	4.87	.34	-2.78	127.24	247.00
*	7.233	16000.00	311.87	7.94	-.16	5.16	183.11	247.00
	7.263	7300.00	306.20	.00	-.51	.00	50.24	157.00
	7.263	7300.00	306.25	.05	-.47	.05	50.25	157.00
*	7.263	1500.00	299.27	-6.98	.21	-6.93	50.07	157.00
	7.263	4900.00	303.65	4.38	-.28	-2.55	50.17	157.00
*	7.263	16000.00	310.42	6.77	-1.44	4.22	50.38	157.00
*	7.300	7300.00	312.01	.00	5.81	.00	76.79	200.00
*	7.300	7300.00	312.04	.03	5.79	.03	77.29	200.00
*	7.300	1500.00	300.49	-11.56	1.22	-11.53	50.10	200.00
*	7.300	4900.00	306.11	5.62	2.46	-5.90	50.24	200.00
*	7.300	16000.00	313.98	7.87	3.56	1.97	147.79	200.00
*	7.304	7300.00	313.53	.00	1.52	.00	194.05	33.00
*	7.304	7300.00	313.52	-.01	1.48	-.01	123.00	33.00
*	7.304	1500.00	301.13	-12.39	.64	-12.40	89.49	33.00
*	7.304	4900.00	307.76	6.63	1.65	-5.78	118.52	33.00
*	7.304	16000.00	320.19	12.44	6.21	6.66	342.18	33.00
*	7.351	7300.00	313.48	.00	-.05	.00	132.99	248.00
*	7.351	7300.00	313.48	-.01	-.05	-.01	98.00	248.00
*	7.351	1500.00	301.12	-12.36	-.02	-12.37	60.68	248.00
*	7.351	4900.00	307.70	6.58	-.06	-5.79	92.03	248.00
	7.351	16000.00	320.12	12.42	-.07	6.64	518.77	248.00
*	7.375	7300.00	313.41	.00	-.07	.00	126.04	121.00
*	7.375	7300.00	313.39	-.02	-.08	-.02	86.00	121.00
	7.375	1500.00	301.09	-12.30	-.02	-12.32	42.09	121.00
*	7.375	4900.00	307.54	6.45	-.16	-5.87	61.87	121.00
	7.375	16000.00	319.98	12.44	-.14	6.57	366.00	121.00

## SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO=	4.727	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.728	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.728	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.728	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.728	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.728	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.728	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	4.728	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	4.728	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.728	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.728	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.728	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.728	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.739	PROFILE=	1	HYDRAULIC JUMP D.S.
WARNING SECNO=	4.739	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	4.739	PROFILE=	2	HYDRAULIC JUMP D.S.
WARNING SECNO=	4.739	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	4.739	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	4.739	PROFILE=	4	HYDRAULIC JUMP D.S.
WARNING SECNO=	4.739	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	4.739	PROFILE=	5	HYDRAULIC JUMP D.S.
CAUTION SECNO=	4.744	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.744	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.744	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.744	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.744	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.744	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.744	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.744	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.744	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.744	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.758	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.758	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.758	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.758	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.758	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.758	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.758	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.758	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.767	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.767	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.767	PROFILE=	2	CRITICAL DEPTH ASSUMED

CAUTION SECNO=	4.767	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.767	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.767	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.767	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.767	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.814	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.814	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.814	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.814	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.814	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.814	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.814	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.814	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.814	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.814	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	4.814	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	4.829	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.829	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.829	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.829	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.876	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.876	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.876	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.876	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.876	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.876	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.876	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.876	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.876	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.876	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.876	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.923	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.923	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.923	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.923	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.923	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.923	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.923	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.923	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.923	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.923	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.923	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.971	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.971	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.971	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.971	PROFILE=	2	CRITICAL DEPTH ASSUMED

CAUTION SECNO=	4.971	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.971	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	4.971	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.971	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	4.971	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	4.971	PROFILE=	4	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	4.971	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.018	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.018	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.018	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.018	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.160	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.207	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.207	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.258	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.258	PROFILE=	5	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.267	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.271	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.271	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.271	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.271	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.271	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.271	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.271	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	5.278	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.278	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.278	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.278	PROFILE=	3	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.278	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.278	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.302	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.302	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.302	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.302	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.349	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.349	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.349	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.349	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.349	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.349	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.349	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.349	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=	5.349	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.349	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.349	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.349	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	5.349	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.397	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.397	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.397	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.435	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.435	PROFILE=	1	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.435	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.435	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.435	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.435	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.463	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.463	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.463	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.463	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.491	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.491	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.491	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.491	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.491	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.491	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.491	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.491	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.491	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.491	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.491	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.491	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.491	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.491	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.491	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.539	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.539	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.539	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.539	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.539	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.539	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.539	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.539	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.539	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.539	PROFILE=	4	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.539	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.586	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=	5.586	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.586	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.598	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.598	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.598	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.598	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.598	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.598	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.598	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	5.634	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.634	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.634	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.670	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.670	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.670	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.670	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.670	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.675	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.675	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.675	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.675	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.675	PROFILE=	5	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.681	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.681	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.681	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.681	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.728	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.728	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.728	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.728	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.776	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.776	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.776	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.776	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.776	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	5.823	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.870	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.870	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.870	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.870	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.870	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.870	PROFILE=	5	MINIMUM SPECIFIC ENERGY

CAUTION SECNO=	5.918	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.918	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.918	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	5.918	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.918	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.918	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.918	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.918	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	5.965	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.965	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.965	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	5.965	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	5.965	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	5.965	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	5.965	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.012	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.012	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.012	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.012	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.012	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.012	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.012	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.012	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.012	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.012	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.012	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.012	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.012	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.060	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.060	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.060	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.060	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.060	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.060	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.060	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.060	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.060	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.060	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.060	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.107	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.107	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.107	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.107	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.107	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.107	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.107	PROFILE=	4	MINIMUM SPECIFIC ENERGY

CAUTION SECNO=	6.107	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.107	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.154	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.154	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.154	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.154	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.154	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.154	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.154	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.154	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.154	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.202	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.202	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.202	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.202	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.202	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.202	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.202	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.202	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.249	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.249	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.249	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.249	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.249	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.249	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.249	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.249	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.249	PROFILE=	5	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.249	PROFILE=	5	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	6.296	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.296	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.296	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.296	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.311	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.311	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.311	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.311	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.311	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.311	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.311	PROFILE=	4	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.311	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.311	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.313	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.313	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.313	PROFILE=	2	CRITICAL DEPTH ASSUMED

CAUTION SECNO=	6.313	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.313	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.313	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.313	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.313	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.313	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.313	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=	6.313	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.313	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.316	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION SECNO=	6.316	PROFILE=	2	HYDRAULIC JUMP D.S.
CAUTION SECNO=	6.316	PROFILE=	3	HYDRAULIC JUMP D.S.
CAUTION SECNO=	6.316	PROFILE=	4	HYDRAULIC JUMP D.S.
CAUTION SECNO=	6.316	PROFILE=	5	HYDRAULIC JUMP D.S.
WARNING SECNO=	6.324	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.324	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.324	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.324	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO=	6.324	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.366	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.413	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.413	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.413	PROFILE=	3	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.413	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.460	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.460	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.460	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.460	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.494	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.494	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.494	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.494	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.522	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.522	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.522	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.522	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.523	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.523	PROFILE=	1	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	6.523	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.523	PROFILE=	2	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.523	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.523	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.523	PROFILE=	4	MINIMUM SPECIFIC ENERGY

CAUTION SECNO=	6.523	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.523	PROFILE=	5	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.555	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.555	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.555	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.555	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.555	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.602	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.602	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.602	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	6.602	PROFILE=	3	MINIMUM SPECIFIC ENERGY
WARNING SECNO=	6.602	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.602	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.650	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.650	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.650	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.725	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.725	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.725	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.747	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.747	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.747	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.747	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.750	PROFILE=	5	HYDRAULIC JUMP D.S.
WARNING SECNO=	6.750	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.775	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.775	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.775	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.775	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.775	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.779	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.779	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.779	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.779	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.779	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.799	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.799	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.799	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.799	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	6.799	PROFILE=	5	HYDRAULIC JUMP D.S.
WARNING SECNO=	6.803	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=	6.803	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	6.803	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.071	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.071	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.071	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.071	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.071	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	7.071	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	7.088	PROFILE=	1	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.088	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.088	PROFILE=	2	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.088	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.088	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.088	PROFILE=	5	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.091	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.091	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.091	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.138	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.233	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.233	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.263	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.263	PROFILE=	5	CRITICAL DEPTH ASSUMED
CAUTION SECNO=	7.263	PROFILE=	5	MINIMUM SPECIFIC ENERGY
CAUTION SECNO=	7.300	PROFILE=	1	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.300	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.300	PROFILE=	2	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.300	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.300	PROFILE=	3	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.300	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.300	PROFILE=	4	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.300	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=	7.300	PROFILE=	5	HYDRAULIC JUMP D.S.
WARNING SECNO=	7.300	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.304	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.304	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.304	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.304	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.304	PROFILE=	5	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.351	PROFILE=	1	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.351	PROFILE=	2	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.351	PROFILE=	3	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=	7.351	PROFILE=	4	CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=	7.375	PROFILE=	1	CONVEYANCE	CHANGE	OUTSIDE	ACCEPTABLE	RANGE
WARNING SECNO=	7.375	PROFILE=	2	CONVEYANCE	CHANGE	OUTSIDE	ACCEPTABLE	RANGE
WARNING SECNO=	7.375	PROFILE=	4	CONVEYANCE	CHANGE	OUTSIDE	ACCEPTABLE	RANGE

# WSPGW INPUT

T1	1160 Hacienda Drive										0
T2	Existing Triple 12'x12' RCBS										
T3	Capacity Analysis										
SO	810.000	259.830	1						259.830		
R	970.000	260.951	1	.014						3.153	.000 0
R	1031.100	261.379	1	.014						21.880	.000 0
R	1054.500	261.543	1	.014						.000	.000 0
R	1183.900	262.449	1	.014						48.143	.000 0
R	1205.400	262.600	1	.014						.000	.000 0
WE	1205.400	262.600	2	.500							
SH	1205.400	262.600	2						262.600		
CD	1	3	2	1.000	12.000	38.000	.000	.000	.00		
CD	2	2	0	.000	16.600	38.000	.000	.000	.00		
Q		7400.000	.0								

# WSPGW OUTPUT

FILE: culvert.WSW

W S P G W - CIVILDESIGN Version 14.06  
 Program Package Serial Number: 1559  
 WATER SURFACE PROFILE LISTING

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Date: 1-20-2025 Time: 9: 2: 4

1160 Hacienda Drive  
 Existing Triple 12'x12' RCBS  
 Capacity Analysis

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd.El.	Super Elev	Critical Depth	Flow Top Width	Height/Dia.-FT	Base Wt/or I.D.	ZL	No Wth Prs/Pip
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type Ch
810.000	259.830	9.761	269.591	7400.00	21.06	6.89	276.48	.17	10.95	38.00	12.000	38.000	.00	2 1.0
160.000	.0070					.0067	1.08	9.93	1.22	9.67	.014	.00	.00	BOX
970.000	260.951	9.867	270.818	7400.00	20.83	6.74	277.56	12.00	10.95	38.00	12.000	38.000	.00	2 1.0
61.100	.0070					.0066	.40	12.00	1.20	9.67	.014	.00	.00	BOX
1031.100	261.379	9.937	271.316	7400.00	20.69	6.64	277.96	.00	10.95	38.00	12.000	38.000	.00	2 1.0
23.400	.0070					.0065	.15	9.94	1.19	9.67	.014	.00	.00	BOX
1054.500	261.543	9.972	271.515	7400.00	20.61	6.60	278.11	12.00	10.95	38.00	12.000	38.000	.00	2 1.0
3.658	.0070					.0065	.02	12.00	1.18	9.67	.014	.00	.00	BOX
1058.158	261.569	9.978	271.547	7400.00	20.60	6.59	278.14	12.00	10.95	38.00	12.000	38.000	.00	2 1.0
125.742	.0070					.0061	.77	12.00	1.18	9.67	.014	.00	.00	BOX
1183.900	262.449	10.465	272.914	7400.00	19.64	5.99	278.90	.00	10.95	38.00	12.000	38.000	.00	2 1.0
21.500	.0070					.0054	.12	10.47	1.10	9.66	.014	.00	.00	BOX
1205.400	262.600	10.948	273.548	7400.00	18.78	5.47	279.02	.00	10.95	38.00	12.000	38.000	.00	2 1.0
WALL ENTRANCE														
----- WARNING - Flow depth near top of box conduit -----														
1205.400	262.600	16.819	279.419	7400.00	11.58	2.08	281.50	.00	10.56	38.00	16.600	38.000	.00	0 .0

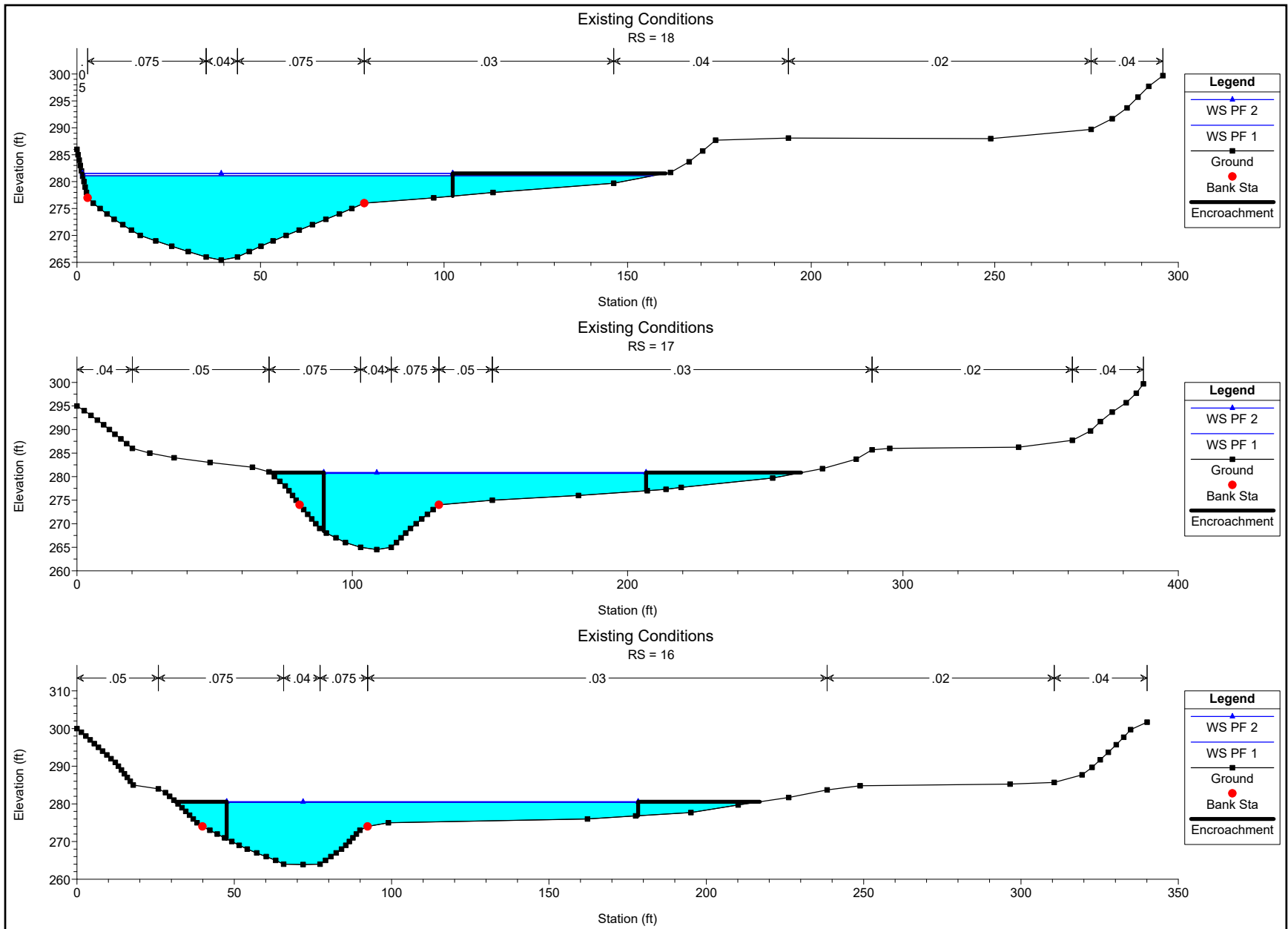
# Existing Conditions

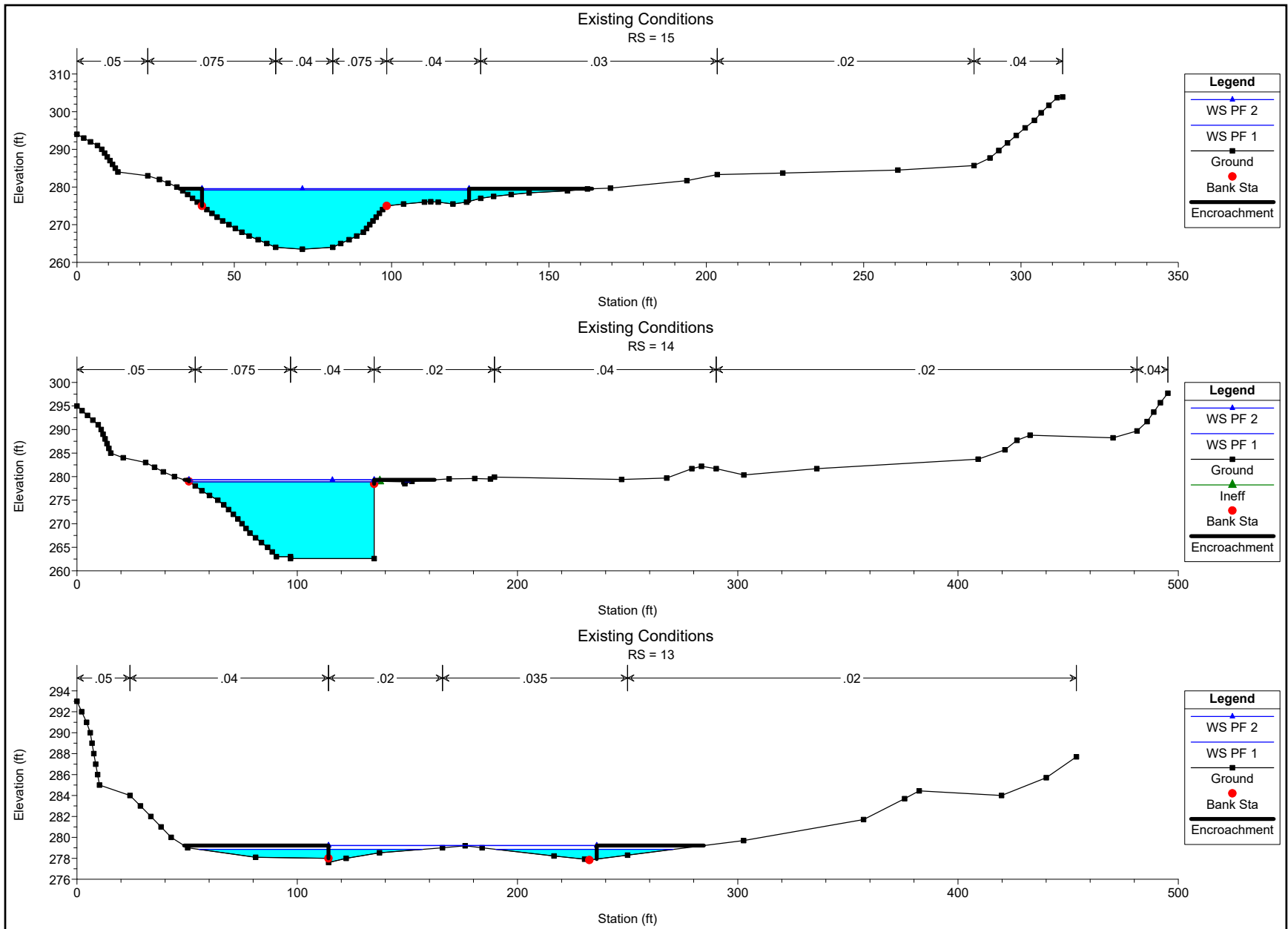
HEC-RAS Plan: Exist Cond River: RIVER-1 Reach: Reach-1

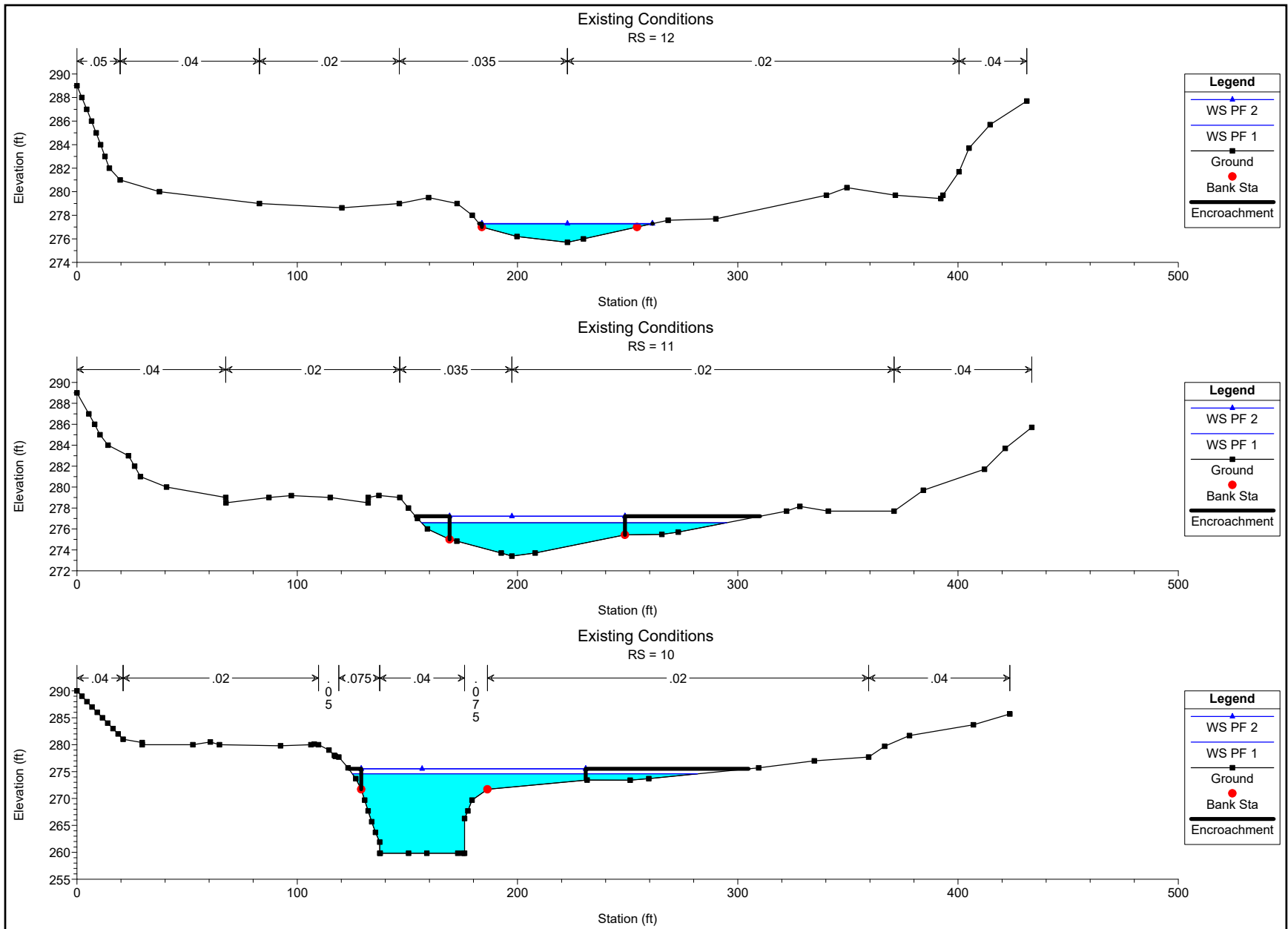
Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Wdth Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach-1	18	PF 1	281.08		281.94	155.36	4.70	6043.02	1752.29		2.92	78.28	
Reach-1	18	PF 2	281.53	0.45	282.54	100.82	6.30	6649.32	1144.38	1.53	2.92	78.28	102.35
Reach-1	17	PF 1	280.68		281.39	191.19	71.46	4388.36	3340.18		80.90	131.47	
Reach-1	17	PF 2	280.84	0.16	281.91	117.08		4129.33	3670.68	89.61	80.90	131.47	206.69
Reach-1	16	PF 1	280.41		281.11	184.28	60.18	4207.93	3531.89		39.88	92.39	
Reach-1	16	PF 2	280.56	0.15	281.51	130.74		3983.17	3816.84	47.59	39.88	92.39	178.33
Reach-1	15	PF 1	279.20		280.59	125.16	33.78	6909.49	856.73		39.74	98.43	
Reach-1	15	PF 2	279.54	0.34	280.94	84.88		7038.96	761.04	39.74	39.74	98.43	124.62
Reach-1	14	PF 1	278.89		279.82	85.89		7799.21	0.79		50.82	134.94	
Reach-1	14	PF 2	279.31	0.42	280.18	84.12		7800.00		50.82	50.82	134.94	134.94
Reach-1	13	PF 1	278.85		279.13	182.09	124.04	191.01	84.95		114.20	232.63	
Reach-1	13	PF 2	279.22	0.37	279.57	121.77		380.49	19.51	114.20	114.20	232.63	235.97
Reach-1	12	PF 1	277.28		277.77	78.58	0.20	397.80	2.00		183.84	254.28	
Reach-1	12	PF 2	277.29	0.01	277.77	77.41		397.84	2.16	183.84	183.84	254.28	261.25
Reach-1	11	PF 1	276.59		276.65	138.55	8.45	350.51	41.03		169.20	248.81	
Reach-1	11	PF 2	277.21	0.62	277.26	79.61		400.00		169.20	169.20	248.81	248.81
Reach-1	10	PF 1	274.59		276.03	156.71	8.94	6808.52	982.54		129.06	186.36	
Reach-1	10	PF 2	275.52	0.93	276.78	101.90		6420.82	1379.18	129.06	129.06	186.36	230.96
Reach-1	9	PF 1	273.94		275.56	178.66	57.71	5587.52	2154.78		140.14	200.71	
Reach-1	9	PF 2	274.13	0.20	276.29	106.19		5712.19	2087.82	140.14	140.14	200.71	246.33
Reach-1	8	PF 1	271.55		273.55	175.76	2335.17	4219.56	1245.28		235.33	276.90	
Reach-1	8	PF 2	271.91	0.36	274.30	121.23	2361.59	4293.32	1145.09	173.63	235.33	276.90	294.86
Reach-1	7	PF 1	268.38		270.60	151.27	2837.16	4916.24	46.60		271.74	321.13	
Reach-1	7	PF 2	269.21	0.82	271.80	113.65	2012.99	5787.01		207.48	271.74	321.13	321.13
Reach-1	6	PF 1	263.90		265.35	166.80	5375.81	2424.17	0.02		331.71	374.93	
Reach-1	6	PF 2	264.43	0.53	265.79	152.24	5268.87	2531.13		206.90	331.71	374.93	374.93
Reach-1	5	PF 1	263.20		264.01	171.12	4556.09	3227.58	16.34		368.15	416.87	
Reach-1	5	PF 2	263.85	0.65	264.60	156.09	4558.83	3241.17		218.55	368.15	416.87	416.87
Reach-1	4	PF 1	262.52		263.28	213.84	3270.72	4375.58	153.69		308.03	356.78	

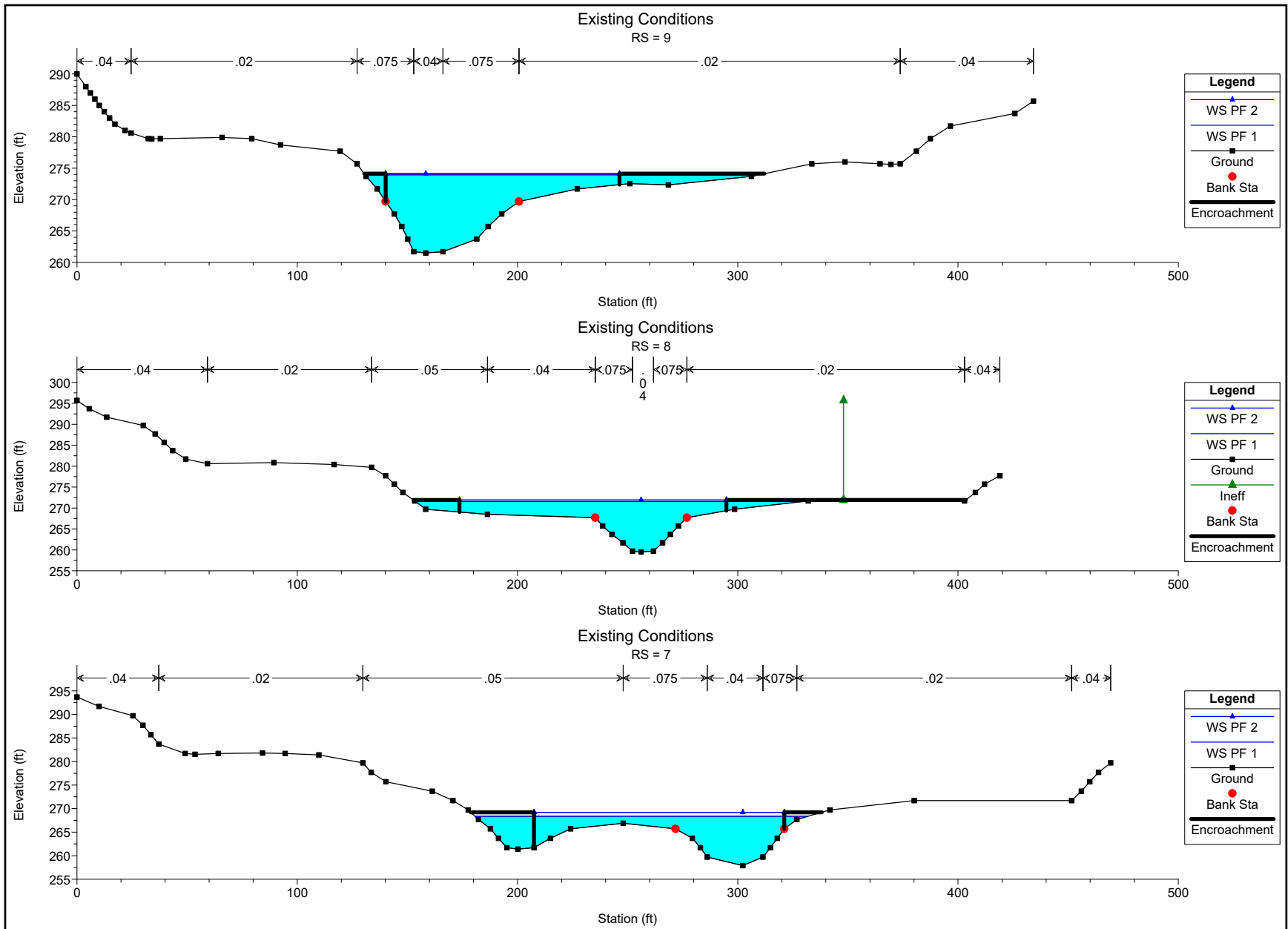
HEC-RAS Plan: Exist Cond River: RIVER-1 Reach: Reach-1 (Continued)

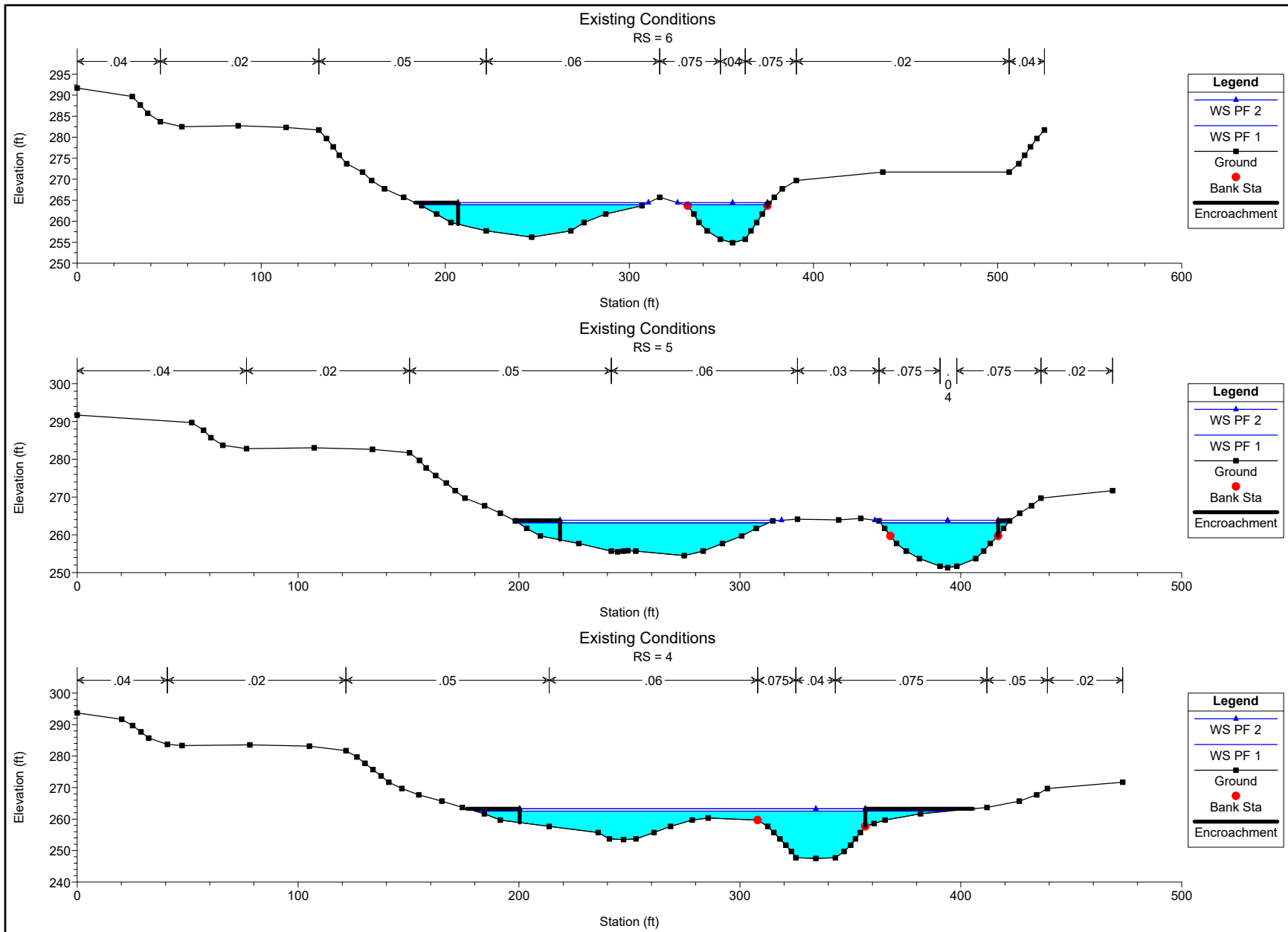
Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Wdth Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach-1	4	PF 2	263.29	0.77	263.95	156.49	3608.14	4191.86		200.29	308.03	356.78	356.78
Reach-1	3	PF 1	262.26		262.70	284.93	2806.12	4452.20	541.69		301.34	364.73	
Reach-1	3	PF 2	263.08	0.82	263.47	199.23	2935.29	4435.10	429.61	188.74	301.34	364.73	387.97
Reach-1	2	PF 1	261.50		262.19	271.96	1210.73	5372.39	1216.88		333.28	398.17	
Reach-1	2	PF 2	262.50	0.99	263.09	180.58	1334.69	5308.31	1157.00	259.96	333.28	398.17	440.54
Reach-1	1	PF 1	259.72		261.01	245.72	2540.66	5029.48	229.85		501.86	556.34	
Reach-1	1	PF 2	259.76	0.04	261.88	147.19	1451.45	6064.96	283.60	436.00	501.86	556.34	583.19

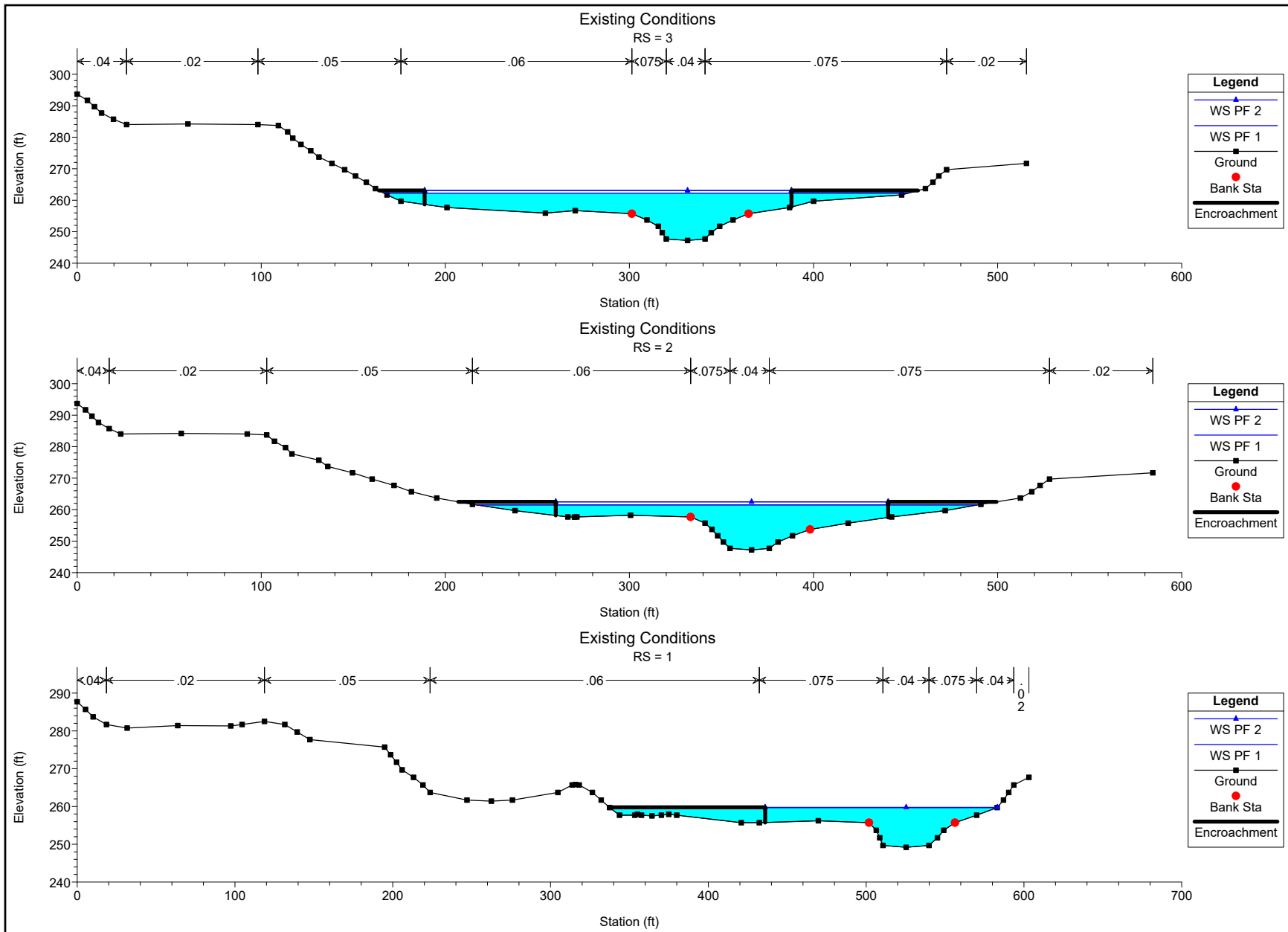












# Proposed Conditions

HEC-RAS Plan: Prop Cond River: RIVER-1 Reach: Reach-1

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Wdth Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach-1	18	PF 1	281.07		281.93	155.24	4.67	6051.24	1744.10		2.92	78.28	
Reach-1	18	PF 2	281.25	0.19	282.33	99.29	5.69	6752.35	1041.96	1.53	2.92	78.28	100.82
Reach-1	17	PF 1	280.66		281.37	190.95	71.17	4399.28	3329.55		80.90	131.47	
Reach-1	17	PF 2	280.83	0.17	281.68	132.78		4354.19	3445.81	80.90	80.90	131.47	213.68
Reach-1	16	PF 1	280.39		281.09	184.05	59.96	4219.52	3520.52		39.88	92.39	
Reach-1	16	PF 2	280.51	0.12	281.36	138.45		4201.16	3598.84	39.88	39.88	92.39	178.33
Reach-1	15	PF 1	279.15		280.56	124.45	33.09	6928.07	838.84		39.74	98.43	
Reach-1	15	PF 2	279.32	0.17	280.78	84.88		7083.84	716.16	39.74	39.74	98.43	124.62
Reach-1	14	PF 1	278.85		279.78	85.52		7799.42	0.58		50.82	134.94	
Reach-1	14	PF 2	279.07	0.23	279.97	84.12		7800.00		50.82	50.82	134.94	134.94
Reach-1	13	PF 1	278.82		279.07	201.71	109.49	216.80	73.71		114.20	232.63	
Reach-1	13	PF 2	278.99	0.17	279.33	135.52	54.20	329.98	15.82	100.03	114.20	232.63	235.97
Reach-1	12	PF 1	277.28		277.77	78.58	0.20	397.80	2.00		183.84	254.28	
Reach-1	12	PF 2	277.28	0.00	277.77	77.30		398.02	1.98	183.84	183.84	254.28	268.39
Reach-1	11	PF 1	276.59		276.65	138.55	8.45	350.51	41.03		169.20	248.81	
Reach-1	11	PF 2	277.28	0.68	277.32	79.61		400.00		169.20	169.20	248.81	248.81
Reach-1	10	PF 1	274.59		276.03	156.71	8.94	6808.52	982.54		129.06	186.36	
Reach-1	10	PF 2	275.40	0.81	276.80	87.85		6733.81	1066.19	129.06	129.06	186.36	216.91
Reach-1	9	PF 1	273.94		275.56	178.66	57.71	5587.52	2154.78		140.14	200.71	
Reach-1	9	PF 2	274.13	0.20	276.29	106.19		5712.19	2087.82	140.14	140.14	200.71	246.33
Reach-1	8	PF 1	271.55		273.55	175.76	2335.17	4219.56	1245.28		235.33	276.90	
Reach-1	8	PF 2	271.91	0.36	274.30	121.23	2361.59	4293.32	1145.09	173.63	235.33	276.90	294.86
Reach-1	7	PF 1	268.38		270.60	151.27	2837.16	4916.24	46.60		271.74	321.13	
Reach-1	7	PF 2	269.21	0.82	271.80	113.65	2012.99	5787.01		207.48	271.74	321.13	321.13
Reach-1	6	PF 1	263.90		265.35	166.80	5375.81	2424.17	0.02		331.71	374.93	
Reach-1	6	PF 2	264.43	0.53	265.79	152.24	5268.87	2531.13		206.90	331.71	374.93	374.93
Reach-1	5	PF 1	263.20		264.01	171.12	4556.09	3227.58	16.34		368.15	416.87	
Reach-1	5	PF 2	263.85	0.65	264.60	156.09	4558.83	3241.17		218.55	368.15	416.87	416.87
Reach-1	4	PF 1	262.52		263.28	213.84	3270.72	4375.58	153.69		308.03	356.78	

HEC-RAS Plan: Prop Cond River: RIVER-1 Reach: Reach-1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach-1	4	PF 2	263.29	0.77	263.95	156.49	3608.14	4191.86		200.29	308.03	356.78	356.78
Reach-1	3	PF 1	262.26		262.70	284.93	2806.12	4452.20	541.69		301.34	364.73	
Reach-1	3	PF 2	263.08	0.82	263.47	199.23	2935.29	4435.10	429.61	188.74	301.34	364.73	387.97
Reach-1	2	PF 1	261.50		262.19	271.96	1210.73	5372.39	1216.88		333.28	398.17	
Reach-1	2	PF 2	262.50	0.99	263.09	180.58	1334.69	5308.31	1157.00	259.96	333.28	398.17	440.54
Reach-1	1	PF 1	259.72		261.01	245.72	2540.66	5029.48	229.85		501.86	556.34	
Reach-1	1	PF 2	259.76	0.04	261.88	147.19	1451.45	6064.96	283.60	436.00	501.86	556.34	583.19

