

GABRIEL
CREEK

2247.0	644	52587	1.00	274	277	7	281	5603
2247.5	782	71888	1.00	278	282	5	283	7436
2248.0	922	93619	1.00	282	286	3	286	9448
2248.5	1064	117686	1.00	287	291	1	288	11627
2248.9	1180	138669	1.00	290	294	0	290	13496

CROSS-SECTION PROPERTIES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 SECID=UPPER AT DISTANCE= 3440 PART 1 OF 2

WS	A	K	ALPHA	B	P	LEW	REW	QC
2252.0	7	246	1.00	11	12	70	82	33
2252.5	14	605	1.00	15	15	68	83	76
2253.0	22	1153	1.00	18	19	66	85	139
2253.5	32	1915	1.00	22	23	64	86	223
2254.0	44	2917	1.00	25	26	62	88	331
2254.5	58	4184	1.00	29	30	60	89	464
2255.0	74	5558	1.00	35	36	56	91	609
2255.5	93	7297	1.00	41	42	51	92	791
2256.0	115	9482	1.00	47	48	46	93	1014
2256.5	142	11396	1.00	61	62	33	94	1225
2257.0	175	14245	1.00	75	76	21	95	1526
2257.5	219	16163	1.00	108	110	8	126	1769
2258.0	285	19757	1.00	155	157	-4	152	2192
2258.5	373	26545	1.00	196	198	-16	179	2922
2259.0	481	36321	1.00	231	233	-29	201	3936
2259.5	601	50072	1.00	249	251	-41	207	5293
2260.0	729	66825	1.00	262	264	-49	212	6901
2260.5	862	86929	1.00	268	270	-49	218	8772
2261.0	997	109206	1.00	273	277	-49	223	10804

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CROSS-SECTION PROPERTIES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 SECID=UPPER AT DISTANCE= 3440 PART 2 OF 2

WS	A	K	ALPHA	B	P	LEW	REW	QC
2261.5	1135	133598	1.00	279	283	-49	229	12992
2261.6	1163	138707	1.00	280	284	-49	230	13446

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*** INPUT CARD PRINTOUT ***

.....5.....0.....0.....0.....0.....0.....0.....0.....0.....5.....0.....5.....0.....5.....0.....5.....0.....

7 150 0 2
 8 151 0 0

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 9 RUN DATE=08/29/85 10:31

PAGE 1 OF PROFILE NOTES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 PROFILE NUMBER 1; UPSTREAM COMPUTATIONS

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

CUL ; FRCN FAILURE

; WS = 2234.27 * FR = 1.00;

ALERTED USER

300; FRCN FAILURE

4-2

```

300; FRCN FAILURE ; WS = 2239.56 * FR = 1.14; USED HIGHER WS
;
300; WS NOT FOUND BETWEEN ; WS = 2235.98 * WS = 2244.10; USED HIGHER WS
;
300; FRCN FAILURE ; WS = 2236.33 * FR = 6.03; USED DEL = 0.25
;
300; FRCN FAILURE ; WS = 2239.56 * FR = 1.14; USED HIGHER WS
;
300; WS NOT FOUND BETWEEN ; WS = 2235.98 * WS = 2244.10; USED HIGHER WS
;
300; WS NOT FOUND ; USED WSMIN = WSC
780; WS TOO LOW ; ASSUMED WS = WSC
;
780; WS NOT FOUND BETWEEN ; WS = 2245.23 * WS = 2248.90; USED WSMIN = WSC
;
780; WS NOT FOUND ; USED DEL = 0.25
;
UPPER; WS TOO LOW ; ASSUMED WS = WSC
;
UPPER; WS NOT FOUND BETWEEN ; WS = 2256.54 * WS = 2261.60; USED WSMIN = WSC
;
UPPER; WS NOT FOUND ; USED DEL = 0.25
;
UPPER; WS NOT FOUND ; ASSUMED WS = WSC

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USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 10 RUN DATE=08/29/85 10:31

WATER-SURFACE PROFILE FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
PAGE 1 OF 1, PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID	AT	WS ELEV	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW	REMARKS	
			HV	HF	HE	EG	V	FN	ACC	ID		
CUL	AT	2262	/	0	/	1250.	/	113.	/	17444.	/	1.00 / 0. / 30.
		2234.27	/	1.89	/		/	2236.15	/	11.03	/	1.00 / *IS*
BR	AT	2278	/	16	/	1250.	/	138.	/	15305.	/	1.00 / 0. / 30.
		2234.98	/	1.28	/	0.09	/	0.00	/	2236.25	/	9.06 / 0.74 / -0.002 *XS*
	77 AT	2339	/	61	/	1250.	/	213.	/	12054.	/	1.00 / 32. / 188.
		2236.23	/	0.54	/	0.52	/	0.00	/	2236.76	/	5.88 / 0.89 / -0.007 *XS*
	300 AT	2562	/	223	/	1250.	/	228.	/	9954.	/	1.00 / 53. / 303.
		2239.63	/	0.47	/	\$999999.	/	\$999999.	/	2240.10	/	5.49 / 1.01 / \$999999. *XS*
	780 AT	2804	/	242	/	1250.	/	213.	/	10018.	/	1.00 / 12. / 232.
		2245.23	/	0.53	/	\$999999.	/	\$999999.	/	2245.76	/	5.85 / 1.02 / \$999999. *XS*
	UPPER AT	3440	/	636	/	1250.	/	144.	/	11582.	/	1.00 / 32. / 94.
		2256.54	/	1.17	/	\$999999.	/	\$999999.	/	2257.71	/	8.68 / 1.00 / \$999999. *XS*

From Down } WSA - 2239.63
} WSA 2245.57

END OF THIS PROFILE

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 11 RUN DATE=08/29/85 10:31

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COMPUTED WSC VALUES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID 300 780 UPPER
 WSC 2239.63 2245.23 2256.54

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 12 RUN DATE=08/29/85 10:31

PAGE 1 OF PROFILE NOTES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

UPPER; WS TOO LOW ; ASSUMED WS = WSC
 + 780; KU/KD < 0.7 OR > 1.4 ; ALERTED USER
 + 780; SUPERCRITICAL WS ; COMPUTED WSA
 + 300; SUPERCRITICAL WS ; COMPUTED WSA
 + 77; WS NOT FOUND BETWEEN ; WS = 2235.94 * WS = 2230.70; USED DEL = 0.25
 + 77; WS NOT FOUND BETWEEN ; WS = 2235.94 * WS = 2230.70; USED KE = 0.5
 + 77; WS NOT FOUND ; ASSUMED WS = WSC
 + BR ; WS NOT FOUND BETWEEN ; WS = 2234.15 * WS = 2230.20; USED DEL = 0.25
 + BR ; WS NOT FOUND BETWEEN ; WS = 2234.15 * WS = 2230.20; USED KE = 0.5
 + BR ; WS NOT FOUND ; ASSUMED WS = WSC
 + CUL ; WS NOT FOUND BETWEEN ; WS = 2234.25 * WS = 2230.40; USED DEL = 0.25
 + CUL ; WS NOT FOUND BETWEEN ; WS = 2234.25 * WS = 2230.40; USED KE = 0.5
 + CUL ; WS NOT FOUND ; ASSUMED WS = WSC
 1

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 13 RUN DATE=08/29/85 10:31

WATER-SURFACE PROFILE FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
 PAGE 1 OF 1, PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID	AT	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW
WS ELEV	HV	HF	HE	EG	V	FN	ACC	ID	
UPPER	AT	3440	0	1250.	144.	11582.	1.00	32.	94.
2256.54		1.17		2257.71	8.68	1.00			*IS*
780	AT	2804	-636	1250.	167.	7239.	1.00	13.	225.
2245.00		0.87	11.85	0.00	2245.87	7.49	1.38	-0.010	*XS*

4-4

2239.69 2239.58 / 0.53 / 5.76 / 0.00 / 2240.10 / 5.82 / 1.10 / 0.001 *XS*

77 AT 2339 / -223 / 1250. / 175. / 10749. / 1.00 / 32. / 145.
2235.94 / 0.80 / \$99999. / \$99999. / 2236.74 / 7.15 / 1.01 / \$99999. *XS*

BR AT 2278 / -61 / 1250. / 113. / 11315. / 1.00 / 0. / 30.
2234.15 / 1.90 / \$99999. / \$99999. / 2236.05 / 11.06 / 1.00 / \$99999. *XS*

CUL AT 2262 / -16 / 1250. / 113. / 17330. / 1.00 / 0. / 30.
2234.25 / 1.91 / \$99999. / \$99999. / 2236.16 / 11.08 / 1.01 / \$99999. *XS*

END OF THIS PROFILE

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 14 RUN DATE=08/29/85 10:31

COMPUTED WSC VALUES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID	CUL	BR	77	300	780	UPPER
WSC	2234.25	2234.15	2235.94	2239.63	2245.23	2256.54

COMPUTED WSA VALUES FOR: GABRIEL CREEK CULBERT TO UPST LIMIT FIRST IN
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID	300	780
WSA	2239.69	2245.57

PAGE 1 OF PROFILE NOTES FOR: GABRIELS CREEK MARS HILL TEST 1
 PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

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728; WS TOO LOW ; USED WSMIN = WSC
728; WS NOT FOUND BETWEEN ; WS = 24.37 * WS = 33.20; USED DEL = 0.25
; ; USED DEL = 0.25
728; WS NOT FOUND ; ASSUMED WS = WSC
1058; WS TOO LOW ; USED WSMIN = WSC
1058; WS NOT FOUND BETWEEN ; WS = 31.72 * WS = 34.10; USED DEL = 0.25
; ; USED DEL = 0.25
1058; WS NOT FOUND ; ASSUMED WS = WSC
1195; FRCN FAILURE ; WS = 33.43 * FR = 1.47; USED HIGHER WS
; ; USED HIGHER WS
1195; WS NOT FOUND BETWEEN ; WS = 31.62 * WS = 35.40; USED DEL = 0.25
; ; USED DEL = 0.25
1195; FRCN FAILURE ; WS = 33.43 * FR = 1.47; USED HIGHER WS
; ; USED HIGHER WS
1195; WS NOT FOUND BETWEEN ; WS = 31.62 * WS = 35.40; USED WSMIN = WSC
; ; USED WSMIN = WSC
1195; WS NOT FOUND ; ASSUMED WS = WSC
    
```

WATER-SURFACE PROFILE FOR: GABRIELS CREEK MARS HILL TEST 1
 PAGE 1 OF 1, PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID	AT	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW			
WS ELEV	HV	HF	HE	EG	V	FN	ACC	ID				
DOWN	AT	0	0	1250.	137.	11688.	1.00	32.	85.			
11.19	/	1.29	/	12.48	/	9.12	/	1.00	*IS*			
728	AT	728	728	1250.	103.	11122.	1.00	8.	30.			
24.37	/	2.31	/\$99999.	/\$99999.	/	26.68	/	12.19	/	1.00	/\$99999.	*XS*
1058	AT	1058	330	1250.	118.	12053.	1.00	207.	240.			
31.72	/	1.75	/\$99999.	/\$99999.	/	33.48	/	10.61	/	1.00	/\$99999.	*XS*
1195	AT	1195	137	1250.	113.	11020.	1.00	0.	30.			
34.29	/	1.85	/\$99999.	/\$99999.	/	36.18	/	11.01	/	1.00	/\$99999.	*XS*

END OF THIS PROFILE

1-2

COMPUTED WSC VALUES FOR: GABRIELS CREEK MARS HILL
PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

TEST 1

SFCID	728	1058	1195
WSC	24.37	31.72	34.29

(2)

*** INPUT CARD PRINTOUT ***

	1	2	3	4	5	6	7	8
1	1	GABRIELS CREEK MARS HILL			TEST	1	4	2 01 02 10
2	2	1119	5172					
3	3	DOWN	1 9 1	5	0 99 99			
4	4	1250	1250					
5	10	4 1	226 30 1	125 42 1	60 46 1	49 52 1	60	
5	11	60 1	92 85 1	111 100 1	145 130 1	231		
6	20	1 2 032 032						
3	50	728 0 10 1	18 728 99 99					
5	60	0 1	332 15 1	162 30 1	226 39 1	225 54 1	17.7	
5	65	88 1	177 188 1	187 288 1	194 400 1	209 408 1	235	
6	70	1 2 032 032						
3	100	1058 0 6 1	26 1058 99 99					
5	110	200 1	341 215 1	288 220 1	267 225 1	251 234 1	282	
5	111	242 1	327					
6	120	1 2 032 032						
3	200	1195 0 6 1	32 1195 99 99					
5	210	0 1	354 0 1	310 11 1	310 12 1	302 30 1	302	
5	211	30 1	354					
6	215	1 2 032 032						

1120
1745
2075
Handwritten notes and circled values (25.1, 302)

*See also subject with full width of sections.
See also Horizontal Elevations
See also core as to subject etc.*

WATER-SURFACE PROFILE FOR: GABRIELS CREEK MARS HILL TEST 1
 PAGE 1 OF 1, PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID	AT	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW
WS ELEV	HV	HF	HE	EG	V	FN	ACC	ID	
DOWN	AT	0	0	1250.	137.	11688.	1.00	32.	85.
11.19	1.29			12.48	9.12	1.00		*IS*	
728	AT	728	728	1250.	275.	13154.	1.00	12.	300.
19.56	0.32	7.40	0.00	19.88	4.54	0.78	0.001	*XS*	
1058	AT	1058	330	1250.	118.	12053.	1.00	207.	240.
51.72	1.75	/\$99999.	/\$99999.	33.48	10.61	1.00	/\$99999.	*XS*	
1195	AT	1195	137	1250.	113.	11026.	1.00	0.	30.
34.29	1.89	/\$99999.	/\$99999.	36.18	11.01	1.00	/\$99999.	*XS*	

Handwritten notes:
 1058 20.0
 1195 11.25
 some B on subject
 USE PWD

Handwritten note: End of subject

END OF THIS PROFILE

COMPUTED WSC VALUES FOR: GABRIELS CREEK MARS HILL
--PROFILE NUMBER 1/ UPSTREAM COMPUTATIONS

TEST 1

SECID	728	1058	1195
WSC	19.38	31.72	34.29

PAGE 1 OF PROFILE NOTES FOR: GABRIELS CREEK MARS HILL
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

TEST 1

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

1195;	SUPERCritical WS	;				COMPUTED WSA
1058;	KU/KD < 0.7 OR > 1.4	;				ALERTED USER
1058;	SUPERCritical WS	;				COMPUTED WSA
1058;	RIGHT BANK EXTENDED	;				ALERTED USER
728;	KU/KD < 0.7 OR > 1.4	;				ALERTED USER
728;	SUPERCritical WS	;				COMPUTED WSA
DOWN ;	WS NOT FOUND BETWEEN	;	WS = 11.19	*	WS = 5.10;	USED DEL = 0.25
DOWN ;	WS NOT FOUND BETWEEN	;	WS = 11.19	*	WS = 5.10;	USED KE = 0.5
DOWN ;	WS NOT FOUND	;				ASSUMED WS = WSC

WATER-SURFACE PROFILE FOR: GABRIELS CREEK MARS HILL TEST 1
 PAGE 1 OF 1, PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID	AT	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW
WS ELEV	HV	HF	HE	EG	V	FN	ACC	ID	
1195	AT	1195	0	1250.	56.	1827.	1.00	0.	30.
31.72		18.34			50.06	34.34	5.50		*IS*
1058	AT	1058	-137	1250.	82.	7386.	1.00	210.	238.
30.56		3.63	15.86	0.00	34.19	15.29	1.58	0.006	*XS*
728	AT	728	-330	1250.	133.	5030.	1.00	13.	221.
18.93		1.37	13.88	0.00	20.31	9.40	1.93	0.005	*XS*
DOWN	AT	0	-728	1250.	137.	11674.	1.00	32.	85.
11.19		1.30	/599999.	/599999.	12.48	9.13	1.00	/599999.	*XS*

END OF THIS PROFILE

COMPUTED WSC VALUES FOR: GABRIELS CREEK MARS HILL
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

TEST 1

SECID	DOWN	728	1058	1195
WSC	11.19	19.38	31.72	34.29

COMPUTED WSA VALUES FOR: GABRIELS CREEK MARS HILL
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

TEST 1

SECID	728	1058	1195
WSA	20.19	33.46	35.39

2

PAGE 1 OF PROFILE NOTES FOR: MARS HILL CULVERT
PROFILE NUMBER: 1, UPSTREAM COMPUTATIONS

OPEN CHA

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

A; WS TOO LOW	:					ASSUMED WS = WSC
B; KU/KD < 0.7 OR > 1.4	:					ALERTED USER
C; FRON FAILURE	:	WS =	32.78	* FR =	1.00;	USED HIGHER WS
C; WS NOT FOUND BETWEEN	:	WS =	32.67	* WS =	35.00;	USED DEL = 0.25
C; FRON FAILURE	:	WS =	32.78	* FR =	1.00;	USED HIGHER WS
C; WS NOT FOUND BETWEEN	:	WS =	32.67	* WS =	35.00;	USED WSMIN = WSC
D; WS NOT FOUND BETWEEN	:	WS =	32.53	* WS =	35.40;	USED DEL = 0.25
D; WS NOT FOUND BETWEEN	:	WS =	32.53	* WS =	35.40;	USED WSMIN = WSC
D; WS NOT FOUND	:					ASSUMED WS = WSC

WATER-SURFACE PROFILE FOR: MARS HILL CULVERT OPEN CHA
 PAGE 1 OF 1, PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

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=====
SECID AT DISTANCE/ LENGTH/DISCHARGE/ AREA /CONVEYANCE/ ALPHA/ LEW / REW
WS ELEV / HV / HF / HE / EG / V / FN / ACC *ID*
=====
A AT 0 / 0 / 1250. / 118. / 12053. / 1.00 / 207. / 240.
31.72 / 1.75 / / 33.48 / 10.61 / 1.00/ *IS*
-----
B AT 137 / 137 / 1250. / 136. / 23157. / 1.00 / 0. / 30.
32.92 / 1.32 / 0.77 / 0.00 / 34.24 / 9.22 / 0.76 / -0.001 *XS*
-----
C AT 174 / 37 / 1250. / 113. / 17641. / 1.00 / 0. / 30.
32.78 / 1.89 / 0.14 / 0.28 / 34.67 / 11.03 / 1.00 / 0.003 *XS*
-----
D AT 184 / 10 / 1250. / 113. / 17442. / 1.00 / 0. / 30.
34.27 / 1.89 /$99999. /$99999. / 36.16 / 11.03 / 1.00 /$99999. *XS*
-----
BR AT 200 / 16 / 1250. / 138. / 15305. / 1.00 / 0. / 30.
34.98 / 1.28 / 0.09 / 0.00 / 36.26 / 9.06 / 0.74 / -0.002 *XS*
=====
    
```

END OF THIS PROFILE

COMPUTED WSC VALUES FOR: MARS HILL CULVERT
PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

OPEN CHA

SECID	A	C	D
WSC	31.72	32.78	34.27

PAGE 1 OF PROFILE NOTES FOR: MARS HILL CULVERT OPEN CHA
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

RR; WS TOO LOW	:					ASSUMED WS = WSC
D; WS NOT FOUND BETWEEN	:	WS = 34.27	*	WS = 30.40	;	USED DEL = 0.25
D; WS NOT FOUND BETWEEN	:	WS = 34.27	*	WS = 30.40	;	USED KE = 0.5
D; WS NOT FOUND	:					ASSUMED WS = WSC
C; KU/KD < 0.7 OR > 1.4	:					ALERTED USER
C; SUPERCRITICAL WS	:					COMPUTED WSA
B; SUPERCRITICAL WS	:					COMPUTED WSA
A; WS NOT FOUND BETWEEN	:	WS = 31.72	*	WS = 25.30	;	USED DEL = 0.25
A; WS NOT FOUND BETWEEN	:	WS = 31.72	*	WS = 25.30	;	USED KE = 0.5
A; WS NOT FOUND	:					ASSUMED WS = WSC

WATER-SURFACE PROFILE FOR: MARS HILL CULVERT OPEN CHA
 PAGE 1 OF 1, PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

SECID	AT	DISTANCE	LENGTH	DISCHARGE	AREA	CONVEYANCE	ALPHA	LEW	REW	
WS ELEV	HV	HF	HE	EG	V	FN	ACC	ID		
BR	AT	200	/	0	/	1250.	/	113.	/	11369. / 1.00 / 0. / 30.
34.16	/	1.89	/		/	36.05	/	11.03	/	1.00 / *IS*
D	AT	184	/	-16	/	1250.	/	113.	/	17442. / 1.00 / 0. / 30.
34.27	/	1.89	/	\$99999.	/	\$99999.	/	36.16	/	11.03 / 1.00 / \$99999. *XS*
C	AT	174	/	-10	/	1250.	/	72.	/	8770. / 1.00 / 0. / 30.
31.41	/	4.65	/	0.10	/	0.00	/	36.06	/	17.28 / 1.96 / 0.004 *XS*
B	AT	137	/	-37	/	1250.	/	74.	/	9049. / 1.00 / 0. / 30.
30.86	/	4.47	/	0.73	/	0.00	/	35.32	/	16.94 / 1.91 / 0.004 *XS*
A	AT	0	/	-137	/	1250.	/	118.	/	12053. / 1.00 / 207. / 240.
31.72	/	1.75	/	\$99999.	/	\$99999.	/	33.48	/	10.61 / 1.00 / \$99999. *XS*

END OF THIS PROFILE

Use

from up 24.96

from

Bridge Open

crit

Cul. Exit

sup

Bottom of dip

Sta 1195

sup

At bridge

Sta 1056

crit

Exit

Sta 728

sub

*19.56 24.87 if vertical at Dike, 19.56 if dike not there
 top of dike = 22.8 use 23.8 at 725*

Sta 0

crit

11.19

COMPUTED WSC VALUES FOR: MARS HILL CULVERT
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

OPEN CHA

SECID	A	B	C	D	BR
WSC	31.72	32.18	32.78	34.27	34.16

COMPUTED WSA VALUES FOR: MARS HILL CULVERT
PROFILE NUMBER 2, DOWNSTREAM COMPUTATIONS

OPEN CHA

SECID	B	C
WSA	34.62	35.00