3-27-2003

Ex. 279-US-436

Unknown

Stream: Sycan River
Site: SY-7 (Upper Sycan River between Parapise and Lone Creek)
Date: 9/20/90
Habitat: Run **Flow:** Low

(1) Level Loop Survey (BM & HP)

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	2.53	102.53		
HP1			5.02	97.51
HP2			5.09	97.44
HP3			5.16	97.37
TP HP3	5.30	102.67		
HP2			5.23	97.44
HP1			5.16	97.51
BM			2.67	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

	L/R WSE	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	25.5	102.67	7.90	0.00	94.77	94.77	0.6
	RWSE			7.90	0.00	94.77		
TR2	LWSE	34	102.67	7.90	0.00	94.77	94.77	1.6
	RWSE			7.90	0.00	94.77		
TR3	LWSE	51	102.42	7.65	0.00	94.77	94.77	1.8
	RWSE			7.65	0.00	94.77		
							Site Q	1.70
							ave Q	1.3

Note:
WSE slope = 0.00%

Date: 5/9/91
Habitat: Run **Flow:** Mid

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	2.62	102.62		
HP1			5.09	97.53
HP2			5.17	97.45
HP3			5.24	97.38
TP HP3	5.09	102.47		
HP2			5.01	97.46
HP1			4.94	97.53
BM			2.47	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

	L/R WSE	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	25.5	102.47	6.79	0.00	95.68	95.66	65.4
	RWSE			6.84	0.00	95.63		
TR2	LWSE	34	102.47	6.84	0.00	95.63	95.65	70.1
	RWSE			6.81	0.00	95.66		
TR3	LWSE	51	102.47	6.78	0.00	95.69	95.67	35.5
	RWSE			6.82	0.00	95.65		
							Site Q	67.7
							ave Q	57.0

Note:
WSE slope = 0.059%

Date: 5/25/93
Habitat: Run **Flow:** High

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	5.56	105.56		
HP1			8.03	97.53
HP2			8.10	97.46
HP3			8.18	97.38
TP HP3	8.10	105.48		
HP2			8.03	97.45
HP1			7.96	97.52
BM			5.48	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

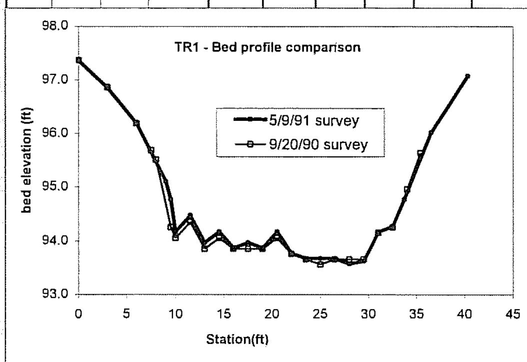
	L/R WSE	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	25.5	105.48	8.61	0.00	96.87	96.85	
	RWSE			8.65	0.00	96.83		
TR2	LWSE	34	105.48	8.60	0.00	96.88	96.86	
	RWSE			8.64	0.00	96.84		
TR3	LWSE	51	105.48	8.58	0.00	96.90	96.87	269.7
	RWSE			8.64	0.00	96.84		
							Site Q=	269.7
							ave Q	269.7

Note:
WSE slope = 0.078%

Stream:	Sycan River	
Site:	SY-7	
Transect:	1	
Habitat:	Run	
Survey Date	HI (ft)	Q (cfs)
9/20/90	102.67	0.59
5/9/91	102.47	65.4
5/25/93	105.48	

20-Sep-90

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	$V_{0.8}$	Ave	q (cfs)	substrate
LWP	0.0	5.32	97.35						1.1
	3.0	5.82	96.85						1.1
	6.0	6.49	96.18						1.1
	9.0	7.57	95.10						1.1
LWE	9.5	7.90	94.77	0.50	0.00		0.00	0.00	6.2
	10.0		94.17	0.60	0.00		0.00	0.00	6.2
	11.5		94.47	0.30	0.00		0.00	0.00	7.7
	13.0		93.97	0.80	0.00		0.00	0.00	6.2
	14.5		94.17	0.60	0.00		0.00	0.00	6.2
	16.0		93.87	0.90	0.00		0.00	0.00	4.2
	17.5		93.97	0.80	0.05		0.05	0.06	4.5
	19.0		93.87	0.90	0.05		0.05	0.07	5.4
	20.5		94.17	0.60	0.05		0.05	0.05	6.5
	22.0		93.77	1.00	0.08		0.08	0.12	6.4
	23.5		93.67	1.10	0.15		0.15	0.25	5.4
	25.0		93.67	1.10	0.03		0.03	0.05	5.4
	26.5		93.67	1.10	0.00		0.00	0.00	5.4
	28.0		93.57	1.20	0.00		0.00	0.00	5.6
	29.5		93.62	1.15	0.00		0.00	0.00	6.2
	31.0		94.17	0.60	0.00		0.00	0.00	6.2
	32.5		94.27	0.50	0.00		0.00	0.00	6.2
RWE	33.7	7.90	94.77	0.00	0.00		0.00	0.00	7.7
	36.5	6.66	96.01						1.1
RWP	40.3	5.60	97.07						1.1



9-May-91

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	$V_{0.8}$	Ave	q (cfs)	substrate
LWP	0.0	5.11	97.36						1.1
	3.0	5.61	96.86						1.1
	6.0	6.29	96.18						1.1
LWE	7.5	6.79	95.68	0.00	0.00		0.00	0.00	1.1
	8.0		95.51	0.15	0.00		0.00	0.00	1.1
	9.5		94.26	1.40	0.35		0.35	0.49	6.2
	10.0		94.06	1.60	0.75		0.75	1.20	6.2
	11.5		94.36	1.30	1.70		1.70	3.32	7.7
	13.0		93.86	1.80	1.70		1.70	4.59	6.2
	14.5		94.06	1.60	1.80		1.80	4.32	6.2
	16.0		93.86	1.80	1.15		1.15	3.11	4.2
	17.5		93.86	1.80	1.90		1.90	5.13	4.5
	19.0		93.86	1.80	1.40		1.40	3.78	5.4
	20.5		94.06	1.60	2.10		2.10	5.04	6.5
	22.0		93.76	1.90	2.40		2.40	6.84	6.4
	23.5		93.66	2.00	2.90		2.90	8.70	5.4
	25.0		93.56	2.10	2.50		2.50	7.88	5.4
	26.5		93.66	2.00	2.10		2.10	6.30	5.4
	28.0		93.66	2.00	1.40		1.40	4.20	5.6
	29.5		93.66	2.00	0.60		0.60	1.80	6.2
	31.0		94.16	1.50	-0.25		-0.25	-0.56	6.2
	32.5		94.26	1.40	-0.25		-0.25	-0.52	6.2
	34.0		94.96	0.70	-0.20		-0.20	-0.20	7.7
	35.4	6.84	95.63	0.00	0.00		0.00	0.00	1.1
RWP	40.2								1.1

25-May-93

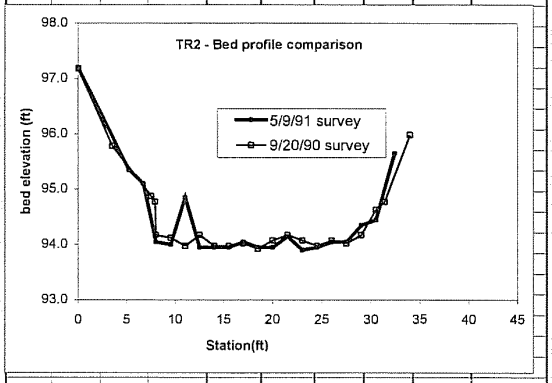
	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	$V_{0.8}$	Ave	q (cfs)	substrate

Stream: Sycan River
Site: SY-7
Transect: 2
Habitat: Run

Survey Date	HI (ft)	Q (cfs)
9/20/90	102.67	1.6
5/9/91	102.47	70.1
5/25/93	105.48	

20-Sep-90

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate
	0.0	5.49	97.18						1.1
	3.5	6.89	95.78						1.1
	7.5	7.80	94.87						1.1
LWE	7.9	7.90	94.77	0.00	0.00		0.00	0.00	1.1
	8		94.17	0.60	0.00		0.00	0.00	2.1
	9.5		94.12	0.65	0.00		0.00	0.00	2.5
	11		93.97	0.80	0.00		0.00	0.00	7.7
	12.5		94.17	0.60	0.00		0.00	0.00	2.5
	14		93.97	0.80	0.00		0.00	0.00	5.4
	15.5		93.97	0.80	0.00		0.00	0.00	4.5
	17		94.02	0.75	0.24		0.24	0.27	5.4
	18.5		93.92	0.85	0.03		0.03	0.04	7.5
	20		94.07	0.70	0.3		0.30	0.32	5.6
	21.5		94.17	0.60	0.48		0.48	0.43	6.5
	23		94.07	0.70	0.22		0.22	0.23	4.6
	24.5		93.97	0.80	0.21		0.21	0.25	6.5
	26		94.07	0.70	0.04		0.04	0.04	6.5
	27.5		94.02	0.75	0.00		0.00	0.00	6.2
	29		94.17	0.60	0.00		0.00	0.00	6.2
	30.5		94.62	0.15	0.00		0.00	0.00	6.2
RWE	31.4	7.90	94.77	0.00	0.00		0.00	0.00	1.1
	34	6.69	95.98						1.1
RWP		5.74	96.93						1.1



9-May-91

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate
LWP	0.0	5.28	97.19						1.1
LWE	5.2		95.35	0.30	-0.10		-0.10	-0.02	1.1
	6.7		95.10	0.55	-0.10		-0.10	-0.08	1.1
	8.0		94.05	1.60	1.25		1.25	2.80	2.1
	9.5		94.00	1.65	1.75		1.75	4.33	2.5
	11.0		94.85	0.80	2.35		2.35	2.82	7.7
	12.5		93.95	1.70	2.10		2.10	5.36	2.5
	14.0		93.95	1.70	1.75		1.75	4.46	5.4
	15.5		93.95	1.70	1.85		1.85	4.72	4.5
	17.0		94.05	1.60	1.85		1.85	4.44	5.4
	18.5		93.95	1.70	2.10		2.10	5.36	7.5
	20.0		93.95	1.70	3.25		3.25	8.29	5.6
	21.5		94.15	1.50	3.60		3.60	8.10	6.5
	23.0		93.90	1.75	2.75		2.75	7.22	4.6
	24.5		93.95	1.70	2.80		2.80	7.14	6.5
	26.0		94.05	1.60	2.10		2.10	5.04	6.5
	27.5		94.05	1.60	0.60		0.60	1.44	6.2
	29.0		94.35	1.30	-0.15		-0.15	-0.29	6.2
	30.5		94.45	1.20	-0.50		-0.50	-1.02	6.2
RWE	32.4		95.65	0.00	0.00		0.00	0.00	1.1

25-May-93

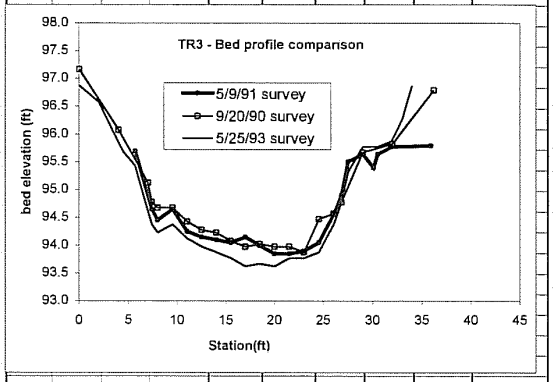
	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate

Stream: Sycan River
Site: SY-7
Transect: 3
Habitat: Run

Survey Date	HI (ft)	Q (cfs)
9/20/90	102.42	1.8
5/9/91	102.47	35.5
5/25/93	105.48	269.7

20-Sep-90

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate
LWP	0.0	5.26	97.16						1.1
	4.0	6.35	96.07						1.1
	7	7.30	95.12						1.1
LWE	7.4	7.65	94.77	0.00	0.00		0.00	0.00	1.2
	8		94.67	0.10	0.00		0.00	0.00	2.6
	9.5		94.67	0.10	0.00		0.00	0.00	6.2
	11		94.42	0.35	0.00		0.00	0.00	6.2
	12.5		94.27	0.50	0.00		0.00	0.00	5.6
	14		94.22	0.55	0.00		0.00	0.00	5.6
	15.5		94.07	0.70	0.00		0.00	0.00	6.5
	17		93.97	0.80	0.05		0.05	0.06	6.4
	18.5		94.02	0.75	0.29		0.29	0.33	4.5
	20		93.97	0.80	0.42		0.42	0.50	4.5
	21.5		93.97	0.80	0.47		0.47	0.56	4.5
	23		93.87	0.90	0.15		0.15	0.20	6.5
	24.5		94.47	0.30	0.36		0.36	0.16	5.6
	26		94.57	0.20	0.00		0.00	0.00	7.2
RWE	26.8	7.65	94.77	0.00	0.00		0.00	0.00	7.7
	29	6.75	95.67						7.7
	32	6.60	95.82						7.1
RWP	36.2	5.63	96.79						1.1



9-May-91

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate
LWP	0.0	5.31	97.16						1.1
	4.0								1.1
LWE	5.7	6.78	95.69	0.00	0.00		0.00	0.00	1.1
	7.4		94.65	1.00	0.75		0.75	0.86	1.2
	8.0		94.45	1.20	1.20		1.20	1.51	2.6
	9.5		94.65	1.00	1.25		1.25	1.88	6.2
	11.0		94.25	1.40	1.15		1.15	2.42	6.2
	12.5		94.15	1.50	0.90		0.90	2.03	5.6
	14.0		94.10	1.55	0.70		0.70	1.63	5.6
	15.5		94.05	1.60	0.95		0.95	2.28	6.5
	17.0		94.15	1.50	0.65		0.65	1.46	6.4
	18.5		94.00	1.65	0.85		0.85	2.10	4.5
	20.0		93.85	1.80	1.20		1.20	3.24	4.5
	21.5		93.85	1.80	1.70		1.70	4.59	4.5
	23.0		93.90	1.75	1.65		1.65	4.33	6.5
	24.5		94.05	1.60	1.55		1.55	3.72	5.6
	26.0		94.55	1.10	1.75		1.75	2.21	7.2
	26.8		94.90	0.75	1.85		1.85	1.04	7.7
	27.5		95.50	0.15	0.43		0.43	0.07	7.7
	29.0		95.64	0.01	0.00		0.00	0.00	7.7
	30.1		95.40	0.25	0.55		0.55	0.10	7.7
	30.5		95.64	0.01	0.00		0.00	0.00	7.7
RWE	31.9	6.70	95.77	0.00	0.00		0.00	0.00	7.1
RWP	35.9	6.68	95.79						1.1

25-May-93

	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s) $V_{0.2/0.6}$	Vel (ft/s) $V_{0.8}$	Vel (ft/s) Ave	q (cfs)	substrate
LWP	0.0		96.87	0.00					
LWE	2.0		96.57	0.30					
	3.5		96.02	0.85					
	4.5		95.67	1.20					
	5.7		95.42	1.45					
	7.4		94.37	2.50					
	8.0		94.22	2.65					
	9.5		94.37	2.50					
	11.0		94.12	2.75					
	12.5		93.97	2.90					
	14.0		93.87	3.00					
	15.5		93.77	3.10					
	17.0		93.62	3.25					
	18.5		93.67	3.20					
	20.0		93.62	3.25					
	21.5		93.77	3.10					
	23.0		93.77	3.10					
	24.5		93.87	3.00					
	26.0		94.37	2.50					
	26.8		94.77	2.10					
	27.5		95.32	1.55					
	29.0		95.77	1.10					
	30.5		95.77	1.10					
	31.9		95.87	1.00					
	33.0		96.27	0.60					
	33.5		96.57	0.30					
	34.0		96.87	0.00					
LWE	3.4			0.00	0.00		0.00	0.00	
	5.0			0.60	0.10		0.10	0.09	
	6.5			1.10	0.28		0.28	0.35	
	7.3			2.10	1.28		1.28	3.36	
	9.0			2.35	1.65		1.65	7.17	
	11.0			2.40	2.84		2.84	13.63	
	13.0			2.50	3.11	4.29	3.70	18.50	
	15.0			2.75	2.78	4.70	3.74	20.57	
	17.0			2.60	2.41	4.72	3.57	18.54	
	19.0			2.55	3.35	4.85	4.10	20.91	
	21.0			2.50	3.96	4.98	4.47	22.35	
	23.0			2.40	3.63		3.63	17.42	
	25.0			2.20	3.75		3.75	16.50	
	27.0			2.10	3.35		3.35	14.07	
	29.0			2.30	3.40		3.40	15.64	
	31.0			2.30	3.68		3.68	16.93	
	33.0			2.35	3.44		3.44	16.17	
	35.0			2.30	3.57		3.57	16.42	
	37.0			2.15	3.46		3.46	14.88	
	39.0			2.10	2.11		2.11	8.86	
	41.0			1.80	1.37		1.37	4.93	
	43.0			1.10	1.02		1.02	2.24	
	45.0			0.40	0.16		0.16	0.12	
RWE	46.7			0.00	0.00		0.00	0.00	

This is TR-3 transect profile surveyed during high-flow visit.

Discharge measured at Q transect.

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        Sycane  River SY_7 05/09/91
RUN                          MID                                    TRANSECT 1
IOC       1101100100001000101000
QARD   1.7
QARD   3.0
QARD   5.0
QARD   8.0
QARD  11.0
QARD  14.0
QARD  17.0
QARD  20.0
QARD  23.0
QARD  26.0
QARD  29.0
QARD  33.0
QARD  37.0
QARD  41.0
QARD  45.0
QARD  48.0
QARD  52.0
QARD  56.0
QARD  60.0
QARD  65.0
QARD  67.7
QARD  70.0
QARD  75.0
QARD  80.0
QARD  90.0
QARD 100.0
QARD 120.0
QARD 150.0
QARD 200.0
QARD 269.7
XSEC1000.0       0.00 1.0      93.56   0.0006
    1000.0  0.0 97.4  3.0 96.9  6.0 96.2  7.5 95.7  8.0 95.5  9.5 94.3
    1000.0 10.0 94.1 11.5 94.4 13.0 93.9 14.5 94.1 16.0 93.9 17.5 93.9
    1000.0 19.0 93.9 20.5 94.1 22.0 93.8 23.5 93.7 25.0 93.6 26.5 93.7
    1000.0 28.0 93.7 29.5 93.7 31.0 94.2 32.5 94.3 34.0 95.0 35.4 95.6
NS  1000.0       1.1       1.1       1.1       1.1       1.1 .072  6.2
NS  1000.0 .060  6.2       7.7       6.2       6.2 .04   4.2       4.5
NS  1000.0 .035  5.4       6.5       6.4 .022  5.4       5.4       5.4
NS  1000.0       5.6 .06   6.2 0.1   6.2 0.1   6.2 0.1   7.7       1.1
WSL 1000.0     94.75     94.77     94.80     94.87     94.91     94.94
WSL 1000.0     94.98     95.03     95.08     95.12     95.16     95.22
WSL 1000.0     95.28     95.34     95.39     95.43     95.47     95.52
WSL 1000.0     95.56     95.62     95.65     95.69     95.74     95.79
WSL 1000.0     95.89     96.00     96.15     96.36     96.62     96.86
CAL11000.0     95.66      67.7
VEL11000.0                0.00 0.00 0.35 0.75 1.70 1.70 1.80 1.15 1.90
VEL11000.0 1.40 2.10 2.40 2.90 2.50 2.10 1.40 0.60-0.25-0.25-0.20 0.00
CAL21000.0     94.77       1.7
VEL21000.0
VEL21000.0
CAL31000.0     96.85     269.7
VEL31000.0
VEL31000.0
ENDJ
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         Sycane  River SY_7 05/09/91
RUN                       MID                                     TRANSECT 2
IOC        110110010000100010100O
QARD   1.7
QARD   3.0
QARD   5.0
QARD   8.0
QARD  11.0
QARD  14.0
QARD  17.0
QARD  20.0
QARD  23.0
QARD  26.0
QARD  29.0
QARD  33.0
QARD  37.0
QARD  41.0
QARD  45.0
QARD  48.0
QARD  52.0
QARD  56.0
QARD  60.0
QARD  65.0
QARD  67.7
QARD  70.0
QARD  75.0
QARD  80.0
QARD  90.0
QARD 100.0
QARD 120.0
QARD 150.0
QARD 200.0
QARD 269.7
XSEC1000.0      0.00 1.0      93.90   0.0006
    1000.0  0.0 97.2  5.2 95.3  6.7 95.1  8.0 94.0  9.5 94.0 11.0 94.8
    1000.0 12.5 93.9 14.0 93.9 15.5 93.9 17.0 94.0 18.5 93.9 20.0 93.9
    1000.0 21.5 94.1 23.0 93.9 24.5 93.9 26.0 94.0 27.5 94.0 29.0 94.3
    1000.0 30.5 94.4 32.4 95.6
NS  1000.0       1.1 0.08  1.1 0.05  1.1       2.1       2.5 .016  7.7
NS  1000.0       2.5       5.4       4.5       5.4       7.5       5.6
NS  1000.0 .015  6.5       4.6       6.5       6.5 .06   6.2 0.07  6.2
NS  1000.0 0.1   6.2       1.1
WSL 1000.0     94.76     94.78     94.81     94.87     94.91     94.94
WSL 1000.0     94.98     95.03     95.09     95.12     95.17     95.23
WSL 1000.0     95.28     95.34     95.39     95.43     95.48     95.53
WSL 1000.0     95.57     95.63     95.66     95.69     95.74     95.79
WSL 1000.0     95.90     96.00     96.15     96.36     96.63     96.86
CAL11000.0     95.65      67.7
VEL11000.0     -0.10-0.10 1.25 1.75 2.35 2.10 1.75 1.85 1.85 2.10 3.25
VEL11000.0 3.60 2.75 2.80 2.10 0.60-0.15-0.50 0.00
CAL21000.0     94.77       1.7
VEL21000.0
VEL21000.0
CAL31000.0     96.86     269.7
VEL31000.0
VEL31000.0
ENDJ
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        Sycane  River SY_7 05/09/91
RUN                          MID                                    TRANSECT 3
IOC       1101100100001000101000
QARD   1.7
QARD   3.0
QARD   5.0
QARD   8.0
QARD  11.0
QARD  14.0
QARD  17.0
QARD  20.0
QARD  23.0
QARD  26.0
QARD  29.0
QARD  33.0
QARD  37.0
QARD  41.0
QARD  45.0
QARD  48.0
QARD  52.0
QARD  56.0
QARD  60.0
QARD  65.0
QARD  67.7
QARD  70.0
QARD  75.0
QARD  80.0
QARD  90.0
QARD 100.0
QARD 120.0
QARD 150.0
QARD 200.0
QARD 269.7
XSEC1000.0      0.00 1.0     93.90   0.0006
    1000.0  0.0 97.2  5.7 95.7  7.4 94.6  8.0 94.4  9.5 94.6 11.0 94.2
    1000.0 12.5 94.1 14.0 94.1 15.5 94.0 17.0 94.1 18.5 94.0 20.0 93.8
    1000.0 21.5 93.8 23.0 93.9 24.5 94.0 26.0 94.5 26.8 94.9 27.5 95.5
    1000.0 29.0 95.6 30.1 95.4 30.5 95.6 31.9 95.8 35.9 95.8
NS  1000.0       1.1       1.1       1.2       2.6       6.2       6.2
NS  1000.0       5.6       5.6       6.5 .068  6.4       4.5       4.5
NS  1000.0       4.5       6.5       5.6       7.2 .021  7.7       7.7
NS  1000.0 .028  7.7 .030  7.7 .040  7.7 .050  7.1 .060  1.1
WSL 1000.0     94.78     94.81     94.84     94.90     94.94     94.97
WSL 1000.0     95.01     95.06     95.11     95.14     95.19     95.25
WSL 1000.0     95.30     95.36     95.41     95.45     95.49     95.54
WSL 1000.0     95.58     95.64     95.67     95.70     95.75     95.80
WSL 1000.0     95.91     96.01     96.16     96.37     96.63     96.86
CAL11000.0     95.67      67.7
VEL11000.0      0.00 0.75 1.20 1.25 1.15 0.90 0.70 0.95 0.65 0.85 1.20
VEL11000.0 1.70 1.65 1.55 1.75 1.85 0.43 0.00 0.55 0.00 0.00
CAL21000.0     94.77       1.7
VEL21000.0
VEL21000.0
CAL31000.0     96.87     269.7
VEL31000.0
VEL31000.0
ENDJ
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        Sycane  River SY_7 05/09/91
RUN                          MID
PARD    30      1.00      0        1.000
QARD   1.7   0.00050                10.45     10.45
QARD   3.0   0.00050                 6.20      6.20
QARD   5.0   0.00051                 4.00      4.00
QARD   8.0   0.00051                 2.75      2.80
QARD  11.0   0.00052                 2.20      2.20
QARD  14.0   0.00052                 1.82      1.82
QARD  17.0   0.00052                 1.60      1.60
QARD  20.0   0.00053                 1.48      1.48
QARD  23.0   0.00053                 1.40      1.40
QARD  26.0   0.00054                 1.31      1.31
QARD  29.0   0.00054                 1.25      1.25
QARD  33.0   0.00055                 1.20      1.20
QARD  37.0   0.00056                 1.16      1.16
QARD  41.0   0.00056                 1.13      1.13
QARD  45.0   0.00057                 1.10      1.10
QARD  48.0   0.00057                 1.08      1.08
QARD  52.0   0.00058                 1.06      1.06
QARD  56.0   0.00058                 1.04      1.04
QARD  60.0   0.00059                 1.02      1.02
QARD  65.0   0.00060                 1.01      1.01
QARD  67.7   0.00060                 1.00      1.00
QARD  70.0   0.00060                 1.00      1.00
QARD  75.0   0.00061                 0.99      0.99
QARD  80.0   0.00062                 0.98      0.98
QARD  90.0   0.00063                 0.97      0.97
QARD 100.0   0.00064                 0.96      0.96
QARD 120.0   0.00067                 0.93      0.93
QARD 150.0   0.00070                 0.89      0.89
QARD 200.0   0.00075                 0.83      0.83
QARD 269.7   0.00080                 0.74      0.74
FFFFTFFFF                                                              **
      25.5  0.0 97.4  3.0 96.9  6.0 96.2  7.5 95.7  8.0 95.5  9.5 94.3
      25.5 10.0 94.1 11.5 94.4 13.0 93.9 14.5 94.1 16.0 93.9 17.5 93.9
      25.5 19.0 93.9 20.5 94.1 22.0 93.8 23.5 93.7 25.0 93.6 26.5 93.7
      25.5 28.0 93.7 29.5 93.7 31.0 94.2 32.5 94.3 34.0 95.0 35.4 95.6
      25.5 .032  3.0      .032  6.0      .032  7.5      .032  8.0            *
      25.5 .032  9.5      .032 10.0      .032 11.5      .032 13.0            *
      25.5 .032 14.5      .032 16.0      .032 17.5      .032 19.0            *
      25.5 .032 20.5      .032 22.0     -.032 23.5      .032 25.0            *
      25.5 .032 26.5      .032 28.0      .032 29.5      .032 31.0            *
      25.5 .032 32.5      .032 34.0      .032 35.4                           *
      34.0  0.0 97.2  5.2 95.3  6.7 95.1  8.0 94.0  9.5 94.0 11.0 94.8
      34.0 12.5 93.9 14.0 93.9 15.5 93.9 17.0 94.0 18.5 93.9 20.0 93.9
      34.0 21.5 94.1 23.0 93.9 24.5 93.9 26.0 94.0 27.5 94.0 29.0 94.3
      34.0 30.5 94.4 32.4 95.6
      34.0 .040  5.2     .040   6.7      .04   8.0      .040  9.5            *
      34.0 .040 11.0     .040  12.5      .04  14.0     -.040 15.5            *
      34.0 .040 17.0     .040  18.5      .04  20.0      .040 21.5            *
      34.0 .040 23.0     .040  24.5      .04  26.0      .040 27.5            *
      34.0 .040 29.0     .040  30.5      .04  32.4                           *
      51.0  0.0 97.2  5.7 95.7  7.4 94.6  8.0 94.4  9.5 94.6 11.0 94.2
      51.0 12.5 94.1 14.0 94.1 15.5 94.0 17.0 94.1 18.5 94.0 20.0 93.8
      51.0 21.5 93.8 23.0 93.9 24.5 94.0 26.0 94.5 26.8 94.9 27.5 95.5
      51.0 29.0 95.6 30.1 95.4 30.5 95.6 31.9 95.8 35.9 95.8
      51.0 0.04  5.7     0.04   7.4     0.04   8.0     0.04   9.5            *
      51.0 0.04 11.0     0.04  12.5     0.04  14.0     0.04  15.5            *
      51.0 0.04 17.0     0.04  18.5     -.04  20.0     0.04  21.5            *
      51.0 0.04 23.0     0.04  24.5     0.04  26.0     0.04  26.8            *
      51.0 0.04 27.5     0.04  29.0     0.04  30.1     0.04  30.5            *
      51.0 0.04 31.9     0.04  35.9                                          *
ENDJ
ENDR
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