

12-8-2009

Ex. 279-US-434

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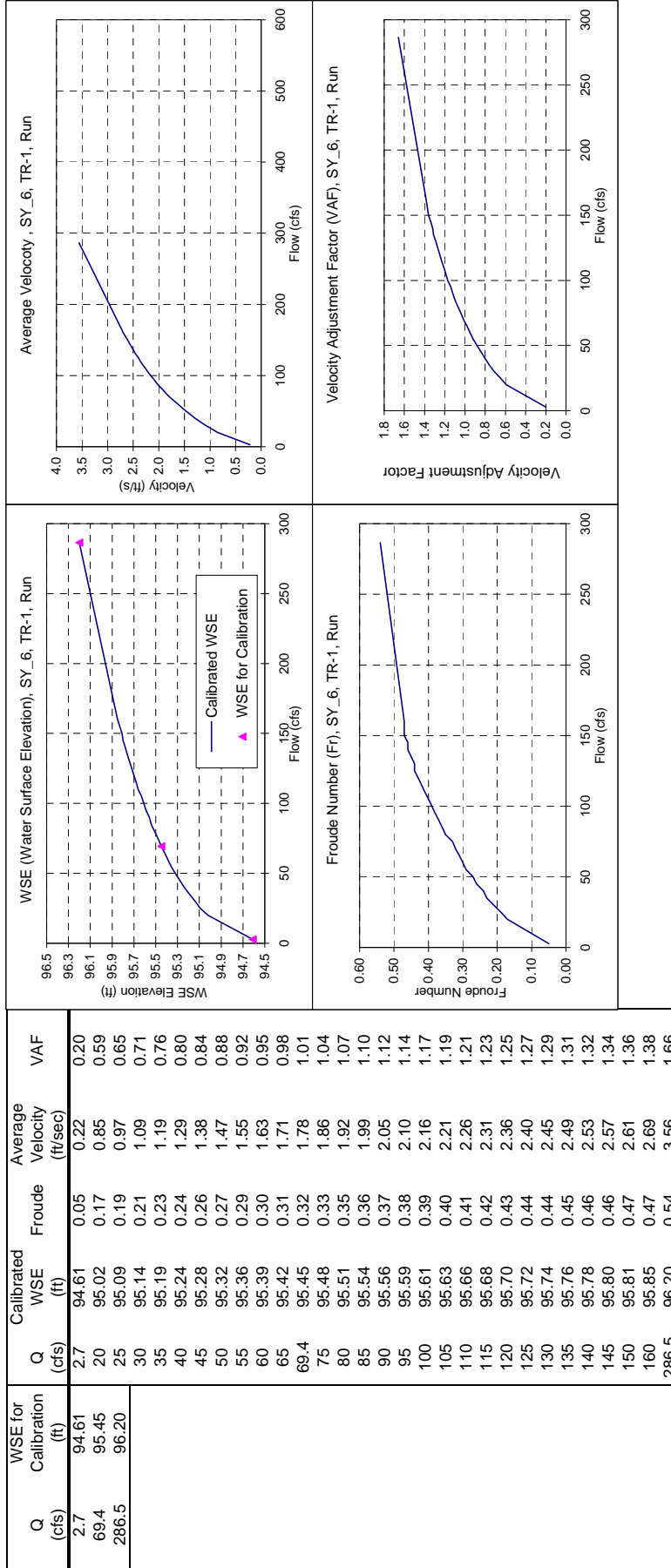
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#### Recommended Citation

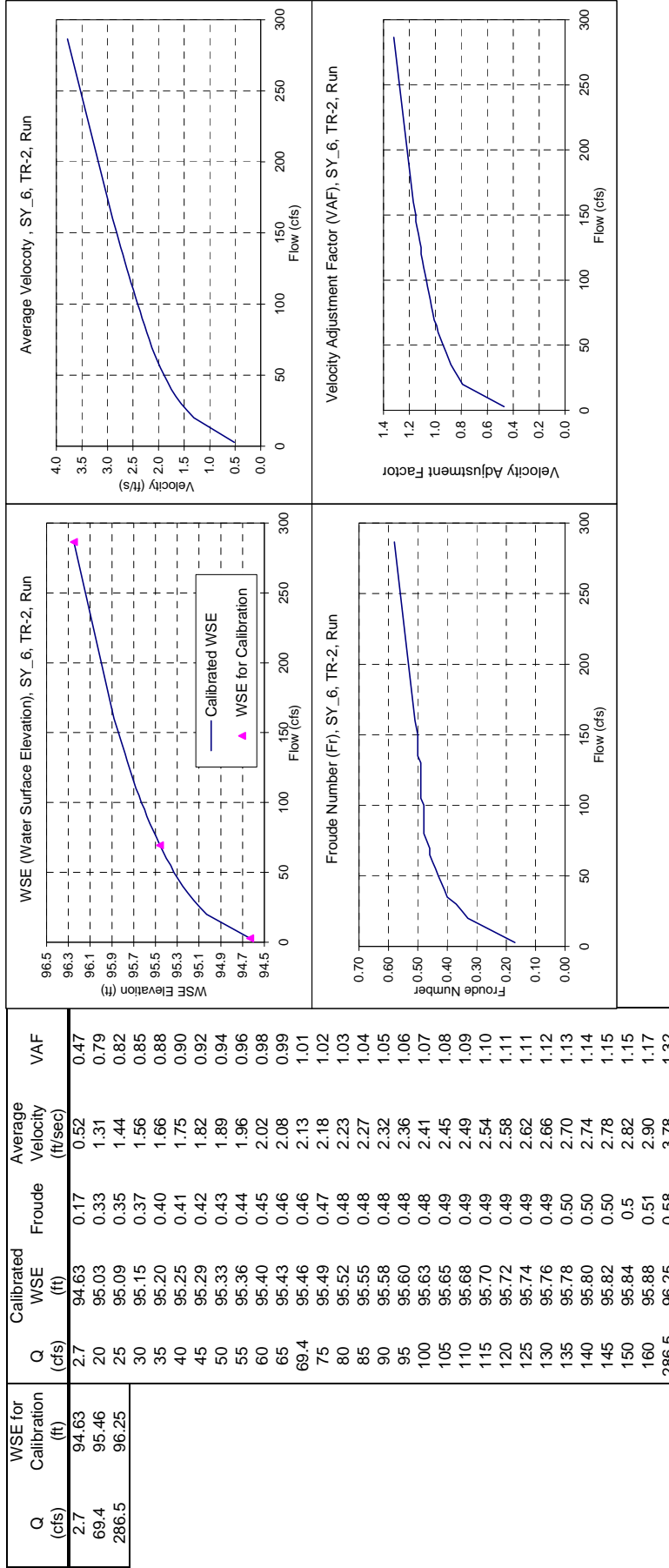
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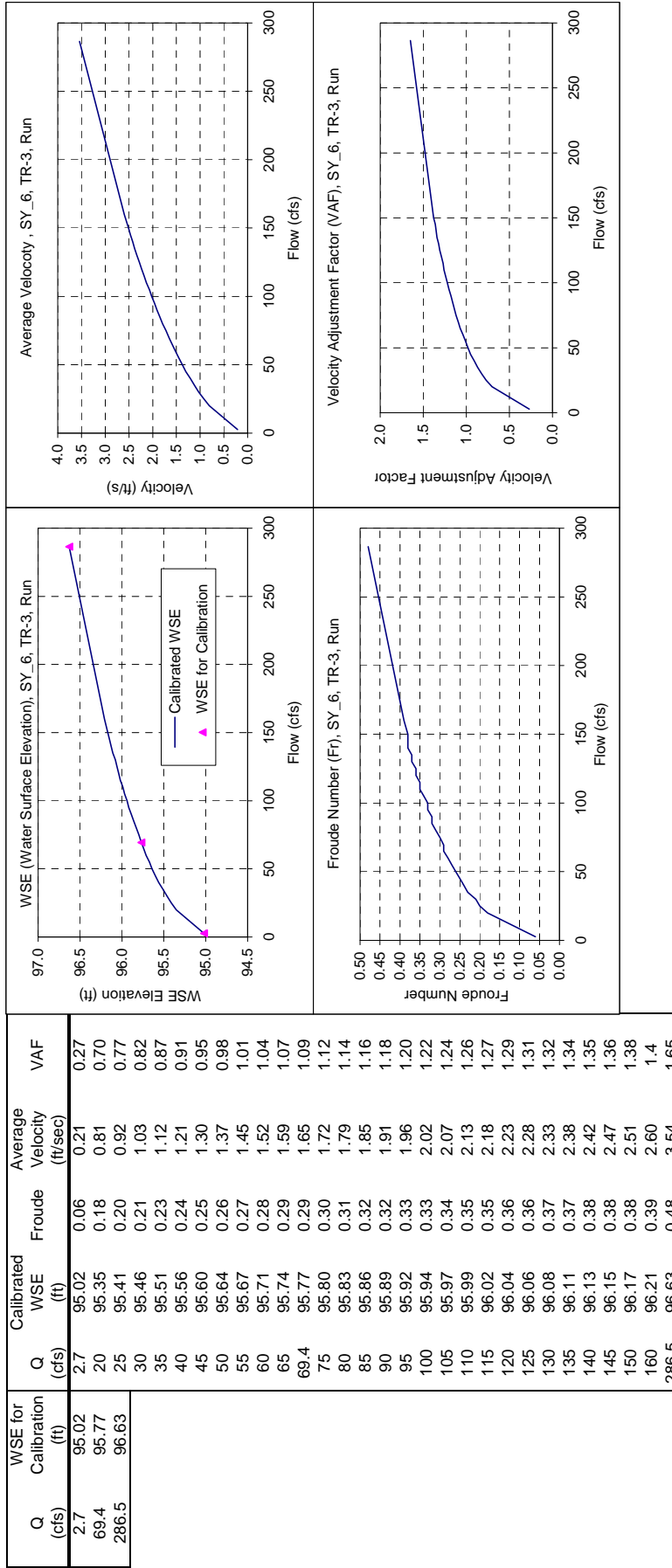
Stream: **Sycan River**  
 Site: **SY\_6 (Sycan River @ ZX Ranch)**  
 Habitat: **Run**  
 Transect: **1**



Stream: **Sycan River**  
 Site: **SY\_6 (Sycan River @ ZX Ranch)**  
 Habitat: **Run**  
 Transect: **2**



Stream: **Sycan River**  
 Site: **SY\_6**  
 Habitat: **Run** (**Sycan River @ ZX Ranch**)  
 Transect: **3**

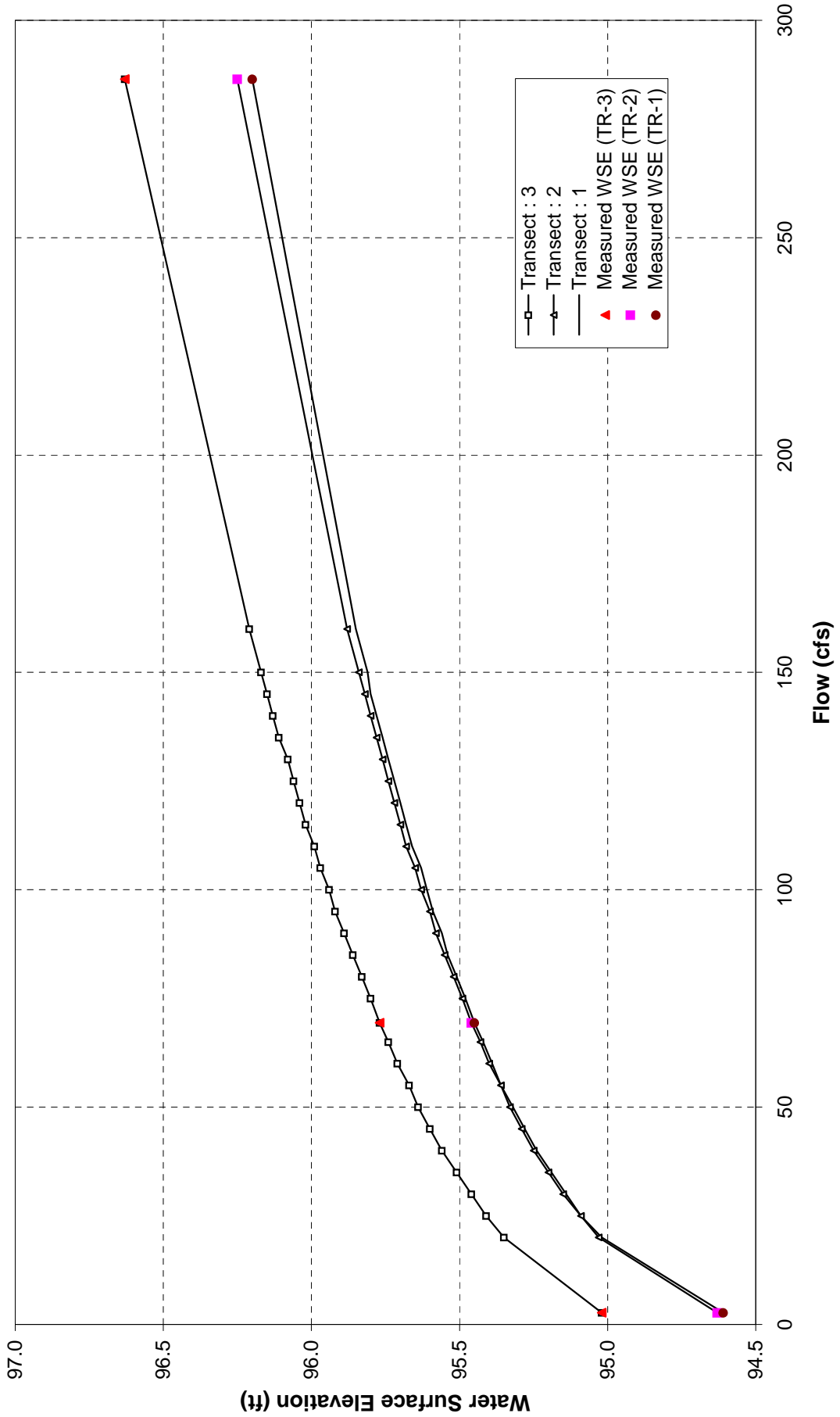


Stream **Sycan River**  
 Site: **SY\_6 (Sycan River @ ZX Ranch)**  
 Habitat Type: **Run**

**Discharge (High) for flow surveyed on 5/25/93 at Q-Transect (TR-3)**

Sta (ft)	Depth (ft)	Velocity (ft/s)	q(cfs)
4.2	0	0	0.00
6	0.6	0.11	0.13
8	0.7	0.34	0.62
11.2	0.9	1.01	1.82
12	1	1.51	2.11
14	1.35	2.38	6.43
16	1.4	2.54	7.11
18	1.6	2.66	8.51
20	1.9	3.36	12.77
22	2.1	3.11	13.06
24	2.2	3.19	14.04
26	2.15	3.84	16.51
28	2.1	3.71	15.58
30	2.1	4.36	18.31
32	2.15	4.17	17.93
34	2.15	3.99	17.16
36	2	4.17	16.68
38	2.2	4.17	18.35
40	2	4.10	16.40
42	2.2	3.47	15.27
44	2.15	3.50	15.05
46	2.1	3.17	13.31
48	2.1	3.10	13.02
50	2.15	2.89	12.43
52	2.2	2.60	12.01
54.2	1.95	0.30	0.82
54.8	0.4	0.03	0.01
56.3	0	0	0.00
Transect Q=			285.44

Calibrated Water Surface Elevation for All Three Transects (EA Result), SY\_6, Run



Stream: **Sycan River**  
 Site: **SY\_6 (Sycan River @ ZX Ranch)**  
 Habitat: **Run**  
 Transect: **1**

```

Sycane River SY_6 05/11/91
RUN                               MID                               TRANSECT 1
IOC      1100100000001010100000
NMAX      0.30      0.03
QARD  2.7
QARD  20.0
QARD  25.0
QARD  30.0
QARD  35.0
QARD  40.0
QARD  45.0
QARD  50.0
QARD  55.0
QARD  60.0
QARD  65.0
QARD  69.4
QARD  75.0
QARD  80.0
QARD  85.0
QARD  90.0
QARD  95.0
QARD 100.0
QARD 105.0
QARD 110.0
QARD 115.0
QARD 120.0
QARD 125.0
QARD 130.0
QARD 135.0
QARD 140.0
QARD 145.0
QARD 150.0
QARD 160.0
QARD 286.5
XSEC1000.0      0.00 1.0      94.16      0.00250
1000.0  0.0 99.7  6.5 95.1  7.5 94.5  8.5 94.6  9.5 94.8 10.7 95.1
1000.0 16.0 95.8 28.4 95.5 30.0 95.5 32.0 95.4 34.0 95.2 36.0 95.0
1000.0 38.0 94.9 40.0 94.7 42.0 94.6 43.0 94.5 44.0 94.5 45.0 94.6
1000.0 46.0 94.5 47.0 94.4 48.0 94.4 49.0 94.3 50.0 94.2 51.0 94.1
1000.0 52.0 94.2 53.0 94.0 54.0 94.0 55.0 93.9 56.0 93.7 57.0 93.6
1000.0 58.0 93.5 59.0 93.4 60.0 93.4 61.0 93.6 62.0 93.8 63.0 94.1
1000.0 64.0 94.6 64.3 95.5 65.0 96.2 72.5 96.9
NS 1000.0      1.0      5.7      5.7      5.7      5.7      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      1.6      1.6      1.0      1.0
CAL11000.0     95.45     69.40
VEL11000.0     .0001 0.45 0.45 0.15.0001      0.20 0.75 0.95
VEL11000.0  1.60 2.30 2.30 2.30 2.40 2.20 2.20 2.20 2.20 2.30 2.30 2.10
VEL11000.0  3.00 2.40 2.30 2.15 2.50 2.10 2.30 2.10 1.90 1.00 0.40.0001
VEL11000.0.0001
CAL21000.0     94.61     2.70
VEL21000.0
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0     96.20     286.50
VEL31000.0
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ

```

**Stream:** Sycan River  
**Site:** SY\_6 (Sycan River @ ZX Ranch)  
**Habitat:** Run  
**Transect:** 2

```

Sycane River SY_6 05/11/91
RUN                               MID                               TRANSECT 2
IOC                               1100100000001010100000
NMAX                              0.060          0.028
QARD  2.7
QARD 20.0
QARD 25.0
QARD 30.0
QARD 35.0
QARD 40.0
QARD 45.0
QARD 50.0
QARD 55.0
QARD 60.0
QARD 65.0
QARD 69.4
QARD 75.0
QARD 80.0
QARD 85.0
QARD 90.0
QARD 95.0
QARD 100.0
QARD 105.0
QARD 110.0
QARD 115.0
QARD 120.0
QARD 125.0
QARD 130.0
QARD 135.0
QARD 140.0
QARD 145.0
QARD 150.0
QARD 160.0
QARD 286.5
XSEC1000.0      0.00 1.0      94.24  0.00250
1000.0  0.0100.4  3.5 99.8  9.4 95.1 10.5 94.3 11.5 94.4 12.5 94.7
1000.0 13.5 95.1 27.8 95.5 30.0 95.5 32.0 95.2 34.0 95.1 36.0 95.0
1000.0 38.0 94.8 40.0 94.8 42.0 94.8 44.0 94.7 46.0 94.6 48.0 94.5
1000.0 50.0 94.4 51.0 94.2 52.0 94.3 53.0 94.2 54.0 94.2 55.0 94.3
1000.0 56.0 94.3 57.0 94.3 58.0 94.2 59.0 94.2 60.0 94.2 61.0 94.4
1000.0 62.0 94.8 62.7 95.1 63.0 96.0 72.4 97.0
NS 1000.0      1.0      1.0      5.6      5.6      5.6      5.6
NS 1000.0      5.6 060  5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.6      5.6      5.6      5.6      5.6
NS 1000.0      5.6      5.4      5.4      5.4      5.6      5.6
NS 1000.0      5.4      5.4      5.4      5.4      5.4      5.4
NS 1000.0      5.4      5.4      1.0      1.0
CAL11000.0     95.46     69.40
VEL11000.0      .0001 0.35 0.35 0.05.0001      0.95 1.50 2.00
VEL11000.0  2.40 2.50 2.30 2.60 2.70 2.90 2.30 2.90 2.90 2.90 3.10 3.20
VEL11000.0  3.10 2.90 2.40 2.70 2.40 2.40 1.55.0001
CAL21000.0     94.63     2.70
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0     96.25     286.50
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ
  
```



**Stream:** Sycan River  
**Site:** SY\_6 (Sycan River @ ZX Ranch)  
**Habitat:** Run  
**Transect:** 3

```

Sycane River SY_6 05/11/91
RUN                                MID                                TRANSECT 3
IOC                                1100100000001010100000
NMAX                               0.10      0.042
QARD  2.7
QARD 20.0
QARD 25.0
QARD 30.0
QARD 35.0
QARD 40.0
QARD 45.0
QARD 50.0
QARD 55.0
QARD 60.0
QARD 65.0
QARD 69.4
QARD 75.0
QARD 80.0
QARD 85.0
QARD 90.0
QARD 95.0
QARD 100.0
QARD 105.0
QARD 110.0
QARD 115.0
QARD 120.0
QARD 125.0
QARD 130.0
QARD 135.0
QARD 140.0
QARD 145.0
QARD 150.0
QARD 160.0
QARD 286.5
XSEC1000.0      0.00 1.0      94.79  0.00250
1000.0  0.0100.1  2.0 99.8  3.0 97.7 11.2 95.8 12.0 95.6 14.0 95.4
1000.0 16.0 95.3 18.0 95.2 20.0 95.0 22.0 94.9 24.0 94.8 26.0 94.6
1000.0 28.0 94.6 30.0 94.5 32.0 94.5 34.0 94.6 36.0 94.5 38.0 94.8
1000.0 40.0 94.6 42.0 94.6 44.0 94.6 46.0 94.7 48.0 94.7 50.0 94.6
1000.0 52.0 94.5 54.0 94.8 54.2 95.8 55.0 96.6 58.4 96.9
NS 1000.0      1.0      1.0      1.0      5.4      5.4      5.4
NS 1000.0      5.4      5.4      5.4      5.4      5.4      5.4
NS 1000.0      5.4      5.4      5.4      5.4      5.4      5.4
NS 1000.0      5.4      5.4      5.4      5.4      5.4      5.4
NS 1000.0      5.4      5.4      5.4      1.0      1.0
CAL11000.0     95.77     69.40
VEL11000.0                                .0001 0.65 0.80 1.00 1.00 1.10 1.35 1.40
VEL11000.0  1.55 1.45 2.05 2.10 2.00 1.90 1.90 1.90 1.60 1.75 1.60 1.35
VEL11000.0  1.10 0.25
CAL21000.0     95.02     2.70
VEL21000.0
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0     96.63     286.50
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ
  
```