11-5-2008

Ex. 280-US-459

Unknown

Stream: NF Sprague River
Site: 650
Date: 9/26/1990
Habitat: Run **Flow:** Low

(1) Level Loop Survey (BM & HP)

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	6.27	106.27		100.00
HP1			5.08	101.19
HP2			4.88	101.39
HP3			5.56	100.71
TP				
HP3	5.51	106.22		
HP2			4.83	101.39
HP1			5.03	101.19
BM			6.22	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

TR	River Station L/R bank (ft)	River Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	106.22	11.20	0.00	95.02	95.01	29.8
1-R	0			11.22	0.00	95.00		
2-L	95	87	106.22	11.16	0.00	95.06	95.06	25.9
2-R	78			11.17	0.00	95.05		
3-L	183	162	106.23	11.14	0.00	95.09	95.08	25.1
3-R	141			11.16	0.00	95.07		
							Ave Q=	26.9

Note:
WSE slope = 0.043%

(3) Meter and propeller ID for Velocity Correction

Meter ID: NA
Propeller ID: NA

Date: 4/8/1991
Habitat: Run **Flow:** Mid

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	7.03	107.03		100.00
HP3			6.32	100.71
HP2			5.64	101.39
HP1			5.84	101.19
TP				
HP1	5.74	106.93		
HP2			5.54	101.39
HP3			6.22	100.71
BM			6.93	100.00

Comment: **Field note: WSE dropped about 4" during survey**

(2) Water Surface Elevation (WSE) Survey

TR	River Station L/R bank (ft)	River Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	106.93	11.79	0.00	95.14	95.14	45.7
1-R	0			11.80	0.00	95.13		
2-L	95	87	106.93	11.75	0.00	95.18	95.18	46.9
2-R	78			11.76	0.00	95.17		
3-L	183	162	106.93	11.79	0.00	95.14	95.14	48.5
3-R	141			11.79	0.00	95.14		
							Ave Q=	47.1

Note:
WSE slope = 0.003%

(3) Meter and propeller ID for Velocity Correction

Meter ID: NA
Propeller ID: NA

Date: 5/16/1993
Habitat: Run **Flow:** High

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	6.04	106.04		100.00
HP1			4.97	101.07
HP2			4.64	101.40
HP3			5.44	100.60
TP				
HP3	5.80	106.40		
HP2			5.00	101.40
HP1			5.33	101.07
BM			6.40	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

TR	River Station L/R bank (ft)	River Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	106.40	7.00	0.00	99.40	99.41	499.6
1-R	0			6.99	0.00	99.41		
2-L	95	87	106.40	6.87	0.00	99.53	99.53	
2-R	78			6.88	0.00	99.52		
3-L	183	162	106.40	6.92	0.00	99.48	99.47	
3-R	141			6.95	0.00	99.45		
							Ave Q=	499.6

Note:
WSE slope = 0.037%

(3) Meter and propeller ID for Velocity Correction

Meter ID: NA
Propeller ID: NA

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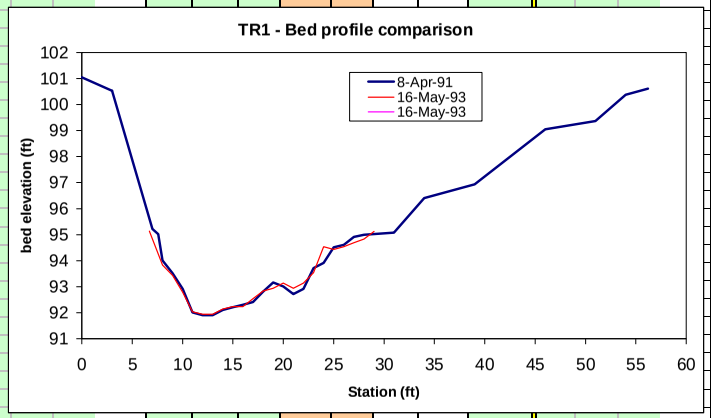
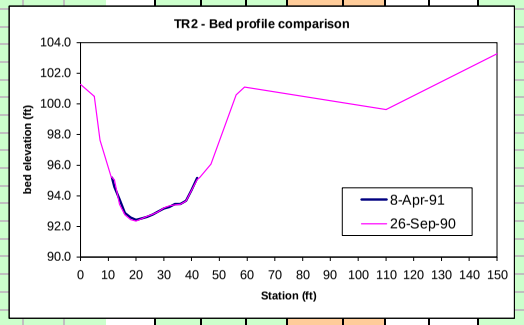
Stream:	NF Sprague Riv		26-Sep-90												8-Apr-91												16-May-93												
Site:	650			Sta	FS	Ground	Depth	Vel (ft/s)					q			Sta	FS	Ground	Depth	Vel (ft/s)					q			Sta	FS	Ground	Depth	Vel (ft/s)					Angle	q	
Transect:	1			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(cfs)	substrate		(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(cfs)	substrate		(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(deg)	(cfs)	substrate
Habitat:	Run																																					
			LWP	0.0	5.17	101.05							1.1																										
Survey	HI	Q		3.0	5.69	100.53							1.1																										
Date	(ft)	(cfs)		7.0	11.00	95.22							1.1	LWP	0.0																							
9/26/1990	106.22	29.8	LWE	7.6	11.20	95.02	0.00	0.00		0.00		0.00	0.00	3.2	LEW	6.7	11.79	95.14	0.00	0.00		0.00		0.00	0.00	1.1													
4/8/1991	106.93	45.7		8.0		94.01	1.00	0.65		0.65		0.65	0.46	9.3		8.0		93.84	1.30	0.83		0.83		0.83	1.24	9.3	LWE	4.3			0.00	0.00		0.00		0.00		0.00	
5/16/1993	106.40	499.6		9.0		93.51	1.50	0.53		0.53		0.53	0.80	9.3		9.0		93.44	1.70	1.24		1.24		1.24	2.11	9.3		6.0			1.90	0.55		0.55		0.55		1.93	
				10.0		92.91	2.10	0.62		0.62		0.62	1.30	9.3		10.0		92.79	2.35	1.18		1.18		1.18	2.77	9.3		8.0			2.60	0.81	0.55	0.81	0.55	0.68		4.42	
				11.0		92.01	3.00	0.93	0.23	0.93	0.23	0.58	1.74	3.2		11.0		92.04	3.10	1.20	1.01	1.20	1.01	1.11	3.43	3.2		11.0			3.20	1.11	0.65	1.11	0.65	0.88		4.65	
				12.0		91.91	3.10	1.13	0.71	1.13	0.71	0.92	2.85	4.3		12.0		91.94	3.20	1.39	1.04	1.39	1.04	1.22	3.89	4.3		11.3			3.20	1.04	0.95	1.04	0.95	1.00		1.91	
				13.0		91.91	3.10	1.28	1.00	1.28	1.00	1.14	3.53	3.2		13.0		91.94	3.20	1.23	1.29	1.23	1.29	1.26	4.03	3.2		12.2			4.70	1.24	0.77	1.24	0.77	1.01		6.38	
				14.0		92.11	2.90	1.29	1.14	1.29	1.14	1.22	3.52	3.2		14.0		92.14	3.00	1.04	1.13	1.04	1.13	1.09	3.26	3.2		14.0			4.70	1.24	0.77	1.24	0.77	1.01		4.96	
				15.0		92.21	2.80	1.22	1.23	1.22	1.23	1.23	3.43	3.2		15.0		92.24	2.90	1.26	1.34	1.26	1.34	1.30	3.77	3.2		14.3			5.40	1.01	1.10	1.01	1.10	1.06		11.39	
				16.0		92.31	2.70	1.26	1.06	1.26	1.06	1.16	3.13	3.2		16.0		92.24	2.90	1.09	1.34	1.09	1.34	1.22	3.52	3.2		18.0			9.00	1.07	1.60	1.07	1.60	1.33		34.18	
				17.0		92.41	2.60	1.30	1.01	1.30	1.01	1.16	3.00	3.2		17.0		92.54	2.60	1.17	1.14	1.17	1.14	1.16	3.00	3.2		20.0			8.25	2.20	2.09	2.20	2.09	2.15		35.39	
				18.0		92.81	2.20	1.25		1.25		1.25	2.75	3.2		18.0		92.84	2.30	1.23		1.23		1.23	2.83	3.2		22.0			7.75	2.47	2.30	2.47	2.30	2.39		36.97	
				19.0		93.16	1.85	0.92		0.92		0.92	1.70	9.3		19.0		92.94	2.20	1.22		1.22		1.22	2.68	9.3		24.0			7.50	2.35	2.28	2.35	2.28	2.32		34.73	
				20.0		93.01	2.00	0.01		0.01		0.01	0.02	9.3		20.0		93.14	2.00	1.16		1.16		1.16	2.32	9.3		26.0			7.00	3.06	2.07	3.06	2.07	2.57		35.91	
				21.0		92.71	2.30	0.00		0.00		0.00	0.00	9.3		21.0		92.94	2.20	1.05		1.05		1.05	2.31	9.3		28.0			6.80	2.98	2.35	2.98	2.35	2.67		36.24	
				22.0		92.91	2.10	0.34		0.34		0.34	0.71	3.3		22.0		93.14	2.00	0.97		0.97		0.97	1.94	3.3		30.0			6.50	3.20	2.51	3.20	2.51	2.86		37.12	
				23.0		93.71	1.30	0.55		0.55		0.55	0.72	9.3		23.0		93.54	1.60	0.91		0.91		0.91	1.46	9.3		32.0			6.50	3.26	2.38	3.26	2.38	2.82		36.66	
				24.0		93.91	1.10	0.00		0.00		0.00	0.00	9.3		24.0		94.54	0.60	0.16		0.16		0.16	0.10	9.3		34.0			6.20	3.23	2.64	3.23	2.64	2.94		36.39	
				25.0		94.51	0.50	0.35		0.35		0.35	0.18	2.2		25.0		94.44	0.70	0.79		0.79		0.79	0.55	2.2		36.0			6.00	3.05	2.68	3.05	2.68	2.87		34.38	
				26.0		94.61	0.40	0.00		0.00		0.00	0.00	2.2		26.0		94.54	0.60	0.64		0.64		0.64	0.38	2.2		38.0			5.60	2.37	2.93	2.37	2.93	2.65		29.68	
				27.0		94.91	0.10	0.00		0.00		0.00	0.00	2.2		27.0		94.69	0.45	0.31		0.31		0.31	0.14	2.2		40.0			5.10	2.68	1.90	2.68	1.90	2.29		23.36	
			LWE	28.0	11.22	95.00	0.00	0.00		0.00		0.00	0.00	2.1		28.0		94.84	0.30	0.00		0.00		0.00	0.00	2.1		42.0			4.50	2.39	1.89	2.39	1.89	2.14		19.26	
				31.0	11.14	95.08							1.1	RWE	29.0	11.80	95.13	0.10	0.00		0.00		0.00	0.00	1.1		44.0			3.80	1.80	1.61	1.80	1.61	1.71		12.96	
				34.0	9.81	96.41							1.1		30.5												46.0			3.40	1.87	1.28	1.87	1.28	1.58		10.71	
				39.0	9.29	96.93							1.1	RWP	56.2												48.0			2.60	1.55	0.26	1.55	0.26	0.91		4.71	
				46.0	7.17	99.05							1.1														50.0			1.80	0.99		0.99		0.99		3.56	
				51.0	6.85	99.37							1.1														52.0			1.00	0.90		0.90		0.90		1.80	
			RWP	54.0	5.84	100.38							1.1														54.0			0.00	0.00		0.00		0.00		0.00	
				56.2	5.61	100.61							1.1																									

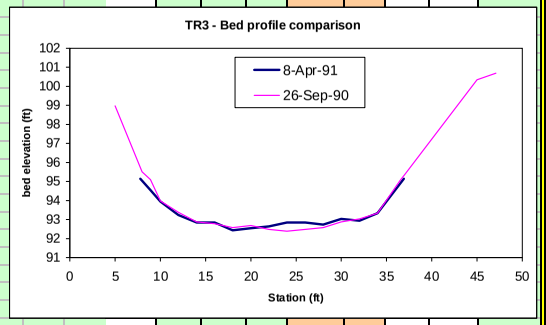
Flow Transect



Stream:	NF Sprague Riv		26-Sep-90												8-Apr-91												16-May-93											
Site:	650			Sta	FS	Ground	Depth	Vel (ft/s)					q			Sta	FS	Ground	Depth	Vel (ft/s)					Angle	q			Sta	FS	Ground	Depth	Vel (ft/s)					Angle	q	
Transect:	2			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(cfs)	substrate		(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(deg)	(cfs)	substrate		(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(deg)	(cfs)	substrate
Habitat:	Run																																				
			LWP	0.0	4.94	101.28								1.1																								
Survey	HI	Q		5.0	5.73	100.49								2.2	LWP	0.0																						
Date	(ft)	(cfs)		7.0	8.58	97.64								1.1		11.0																						
9/26/1990	106.22	25.9		11.0	10.98	95.24								1.1	LEW	11.3	11.75	95.18	0.00	0.00		0.00		0.00		0.00	1.1											
4/8/1991	106.93	46.9	LWE	12.2	11.16	95.06	0.00	0.00		0.00		0.00	0.00	1.3		12.2		94.58	0.60	0.29		0.29		0.29		0.23	1.3											
5/16/1993	106.40			14.0		93.46	1.60	0.02		0.02		0.02	0.06	9.3		14.0		93.78	1.40	0.40		0.40		0.40		1.06	9.3											
				16.0		92.76	2.30	0.00		0.00		0.00	0.00	9.3		16.0		92.88	2.30	0.41		0.41		0.41		1.89	9.3											
				18.0		92.46	2.60	0.22	0.50	0.22	0.50	0.36	1.87	3.2		18.0		92.58	2.60	0.47	0.68	0.47	0.68	0.58		2.99	3.2											
				20.0		92.36	2.70	0.00	0.65	0.00	0.65	0.33	1.76	3.2		20.0		92.43	2.75	0.70	1.03	0.70	1.03	0.87		4.76	3.2											
				22.0		92.51	2.55	0.75	0.58	0.75	0.58	0.67	3.39	3.2		22.0		92.53	2.65	0.94	0.95	0.94	0.95	0.95		5.01	3.2											
				24.0		92.66	2.40	0.85		0.85		0.85	4.08	3.2		24.0		92.63	2.55	1.13	0.88	1.13	0.88	1.01		5.13	3.2											
				26.0		92.81	2.25	0.78		0.78		0.78	3.51	3.2		26.0		92.78	2.40	1.00		1.00		1.00		4.80	3.2											
				28.0		92.96	2.10	0.76		0.76		0.76	3.19	3.2		28.0		92.98	2.20	1.12		1.12		1.12		4.93	3.2											
				30.0		93.21	1.85	0.82		0.82		0.82	3.03	3.2		30.0		93.18	2.00	1.16		1.16		1.16		4.64	3.2											
				32.0		93.36	1.70	0.75		0.75		0.75	2.55	3.2		32.0		93.28	1.90	0.98		0.98		0.98		3.72	3.2											
				34.0		93.41	1.65	0.37		0.37		0.37	1.22	3.2		34.0		93.48	1.70	0.94		0.94		0.94		3.20	3.2											
				36.0		93.46	1.60	0.39		0.39		0.39	1.25	3.2		36.0		93.48	1.70	0.65		0.65		0.65		2.21	3.2											
				38.0		93.66	1.40	0.00		0.00		0.00	0.00	9.3		38.0		93.68	1.50	0.62		0.62		0.62		1.86	9.3											
				40.0		94.36	0.70	0.00		0.00		0.00	0.00	9.3		40.0		94.38	0.80	0.30		0.30		0.30		0.48	9.3											
			RWE	42.0	11.17	95.05	0.00	0.00		0.00		0.00	0.00	1.1	REW	42.0	11.76	95.17	0.00	0.00		0.00		0.00		0.00	1.1											
				43.0	11.02	95.20								1.1																								
				47.0	10.15	96.07								1.1																								
				56.0	5.63	100.59								1.1																								
			RWP	59.1	5.12	101.10								1.1																								
				110.0	6.58	99.64								1.1																								
				150.0	2.95	103.27								1.1																								



Stream:	NF Sprague Riv		26-Sep-90													8-Apr-91													16-May-93														
Site:	650			Sta	FS	Ground	Depth	Vel (ft/s)					q				Sta	FS	Ground	Depth	Vel (ft/s)						q				Sta	FS	Ground	Depth	Vel (ft/s)						Angle	q	
Transect:	3			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(cfs)	substrate			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave		(cfs)	substrate			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	$NV_{0.2/0.6}$	$NV_{0.8}$	Ave	(deg)	(cfs)	substrate
Habitat:	Run																																								
Survey Date	HI (ft)	Q (cfs)																																							
9/26/1990	106.23	25.1	LWP	0.0	5.65	100.58								1.1																											
4/8/1991	106.93	48.5		5.0	7.25	98.98								1.1	LWP	0.0																									
5/16/1993	106.40			8.0	10.73	95.50								1.1	LEW	7.8	11.79	95.14	0.00	0.00		0.00		0.00		0.00	1.1														
			LEW	8.9	11.14	95.09	0.00	0.00		0.00		0.00	0.00	1.1		8.9		94.54	0.60	0.00		0.00		0.00		0.00	1.1														
				10.0		93.98	1.10	0.00		0.00		0.00	0.00	9.3		10.0		93.94	1.20	0.07		0.07		0.07		0.07	9.3														
				12.0		93.38	1.70	0.00		0.00		0.00	0.00	9.3		12.0		93.24	1.90	0.28		0.28		0.28		1.06	9.3														
				14.0		92.88	2.20	0.00		0.00		0.00	0.00	9.3		14.0		92.84	2.30	0.46		0.46		0.46		2.12	9.3														
				16.0		92.78	2.30	0.16		0.16		0.16	0.74	9.3		16.0		92.84	2.30	0.86		0.86		0.86		3.96	9.3														
				18.0		92.58	2.50	0.79	0.36	0.79	0.36	0.58	2.88	3.2		18.0		92.44	2.70	1.12	0.81	1.12	0.81	0.97		5.21	3.2														
				20.0		92.68	2.40	0.83		0.83		0.83	3.98	3.2		20.0		92.54	2.60	1.20	0.95	1.20	0.95	1.08		5.59	3.2														
				22.0		92.48	2.60	0.95	0.83	0.95	0.83	0.89	4.63	3.2		22.0		92.64	2.50	1.09	0.70	1.09	0.70	0.90		4.48	3.2														
				24.0		92.38	2.70	0.96	1.04	0.96	1.04	1.00	5.40	3.2		24.0		92.84	2.30	1.24		1.24		1.24		5.70	3.2														
				26.0		92.48	2.60	0.85	1.09	0.85	1.09	0.97	5.04	3.2		26.0		92.84	2.30	1.38		1.38		1.38		6.35	3.2														
				28.0		92.58	2.50	0.32	0.65	0.32	0.65	0.49	2.43	3.2		28.0		92.74	2.40	1.26		1.26		1.26		6.05	3.2														
				30.0		92.88	2.20	0.00		0.00		0.00	0.00	9.3		30.0		93.04	2.10	0.83		0.83		0.83		3.49	9.3														
				32.0		93.03	2.05	0.00		0.00		0.00	0.00	9.3		32.0		92.94	2.20	0.43		0.43		0.43		1.89	9.3														
				34.0		93.33	1.75	0.00		0.00		0.00	0.00	9.3		34.0		93.34	1.80	0.57		0.57		0.57		2.51	9.3														
			REW	36.5	11.16	95.07	0.00	0.00		0.00		0.00	0.00	1.1	REW	36.9	11.79	95.14	0.00	0.00		0.00		0.00		0.00	1.1														
				37.0	10.87	95.36								1.1		47.0																									
				45.0	5.89	100.34								1.1																											
			RWP	47.1	5.54	100.69								1.1																											



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        Sprague River SP10 04/08/91
RUN                          MID                                    TRANSECT 1
IOC       11011001000010001010000
QARD  15.0
QARD  20.0
QARD  25.0
QARD  26.9
QARD  30.0
QARD  35.0
QARD  40.0
QARD  47.1
QARD  50.0
QARD  55.0
QARD  60.0
QARD  70.0
QARD  80.0
QARD 100.0
QARD 120.0
QARD 140.0
QARD 160.0
QARD 180.0
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 290.0
QARD 320.0
QARD 350.0
QARD 380.0
QARD 410.0
QARD 440.0
QARD 470.0
QARD 498.1
XSEC1000.0      0.00 1.0     91.94    0.0040
    1000.0  0.0101.1  3.0100.5  6.795.14  8.093.84  9.093.44 10.092.79
    1000.0 11.092.04 12.091.94 13.091.94 14.092.14 15.092.24 16.092.24
    1000.0 17.092.54 18.092.84 19.092.94 20.093.14 21.092.94 22.093.14
    1000.0 23.093.54 24.094.54 25.094.44 26.094.54 27.094.69 28.094.84
    1000.0 29.095.13 31.095.08 34.096.41 39.096.93 46.099.05 51.099.37
    1000.0 54.0100.4 56.2100.6
NS  1000.0       1.1       1.1 0.2   1.1       9.3 .13   9.3       9.3
NS  1000.0       3.2       4.3       3.2       3.2       3.2       3.2
NS  1000.0       3.2       3.2       9.3       9.3       9.3       3.3
NS  1000.0       9.3 .20   9.3 .11   2.2       2.2       2.2 .2    2.1
NS  1000.0 .3    1.1 .4    1.1       1.1       1.1       1.1       1.1
NS  1000.0       1.1       1.1
WSL 1000.0     94.87     94.92     95.00     95.02     95.10     95.17
WSL 1000.0     95.26     95.41     95.45     95.54     95.61     95.78
WSL 1000.0     95.91     96.16     96.40     96.60     96.81     97.01
WSL 1000.0     97.19     97.36     97.54     97.72     97.98     98.22
WSL 1000.0     98.44     98.66     98.86     99.06     99.24     99.41
CAL11000.0     95.14      47.1
VEL11000.0           0.00 0.83 1.24 1.18 1.11 1.22 1.26 1.09 1.30 1.22
VEL11000.0 1.16 1.23 1.22 1.16 1.05 0.97 0.91 0.16 0.79 0.64 0.31 .001
VEL11000.0 0.00
CAL21000.0     95.01      26.9
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0     99.41     498.1
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ
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```
        Sprague River SP10 04/08/91
RUN                          MID                                    TRANSECT 2
IOC       1101100100001000101000
QARD  15.0
QARD  20.0
QARD  25.0
QARD  26.9
QARD  30.0
QARD  35.0
QARD  40.0
QARD  47.1
QARD  50.0
QARD  55.0
QARD  60.0
QARD  70.0
QARD  80.0
QARD 100.0
QARD 120.0
QARD 140.0
QARD 160.0
QARD 180.0
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 290.0
QARD 320.0
QARD 350.0
QARD 380.0
QARD 410.0
QARD 440.0
QARD 470.0
QARD 498.1
XSEC1000.0      0.00 1.0     94.95    0.0040
    1000.0  0.0101.3  5.0100.5  7.097.64 11.095.24 11.395.18 12.294.58
    1000.0 14.093.78 16.092.88 18.092.58 20.092.43 22.092.53 24.092.63
    1000.0 26.092.78 28.092.98 30.093.18 32.093.28 34.093.48 36.093.48
    1000.0 38.093.68 40.094.38 42.095.17 43.095.20 47.096.07 56.0100.6
    1000.0 59.1101.1110.099.64150.0103.3
NS  1000.0       1.1       2.2       1.1       1.1       1.1       1.3
NS  1000.0       9.3       9.3       3.2       3.2       3.2       3.2
NS  1000.0       3.2       3.2       3.2       3.2       3.2       3.2
NS  1000.0       9.3       9.3       1.1       1.1       1.1       1.1
NS  1000.0       1.1       1.1       1.1
WSL 1000.0     94.90     94.95     95.03     95.05     95.13     95.20
WSL 1000.0     95.29     95.45     95.49     95.58     95.65     95.82
WSL 1000.0     95.95     96.21     96.45     96.66     96.87     97.07
WSL 1000.0     97.26     97.42     97.61     97.79     98.05     98.30
WSL 1000.0     98.52     98.74     98.95     99.14     99.33     99.50
CAL11000.0     95.18      47.1
VEL11000.0                     0.00 0.29 0.40 0.41 0.47 0.70 0.94 1.13
VEL11000.0 1.00 1.12 1.16 0.98 0.94 0.65 0.62 0.30 0.00
VEL11000.0
CAL21000.0     95.06      26.9
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0     99.53     498.1
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ
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        Sprague River SP10 04/08/91
RUN                          MID                                    TRANSECT 3
IOC       11011001000010001010000
QARD  15.0
QARD  20.0
QARD  25.0
QARD  26.9
QARD  30.0
QARD  35.0
QARD  40.0
QARD  47.1
QARD  50.0
QARD  55.0
QARD  60.0
QARD  70.0
QARD  80.0
QARD 100.0
QARD 120.0
QARD 140.0
QARD 160.0
QARD 180.0
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 290.0
QARD 320.0
QARD 350.0
QARD 380.0
QARD 410.0
QARD 440.0
QARD 470.0
QARD 498.1
XSEC1000.0      0.00 1.0     92.44    0.0040
    1000.0  0.0100.6  5.098.98  7.895.14  8.994.54 10.093.94 12.093.24
    1000.0 14.092.84 16.092.84 18.092.44 20.092.54 22.092.64 24.092.84
    1000.0 26.092.84 28.092.74 30.093.04 32.092.94 34.093.34 36.995.14
    1000.0 37.095.36 45.0100.3 47.1100.7
NS  1000.0       1.1       1.1 .9    1.1 .8    1.1 .7    9.3       9.3
NS  1000.0       9.3       9.3       3.2       3.2 .16   3.2       3.2
NS  1000.0 .13   3.2       3.2       9.3 .25   9.3       9.3       1.1
NS  1000.0       1.1       1.1       1.1
WSL 1000.0     94.92     94.97     95.05     95.07     95.15     95.22
WSL 1000.0     95.31     95.47     95.51     95.60     95.66     95.84
WSL 1000.0     95.97     96.22     96.46     96.67     96.88     97.09
WSL 1000.0     97.27     97.44     97.63     97.81     98.07     98.31
WSL 1000.0     98.54     98.75     98.96     99.15     99.34     99.50
CAL11000.0     95.14      47.1
VEL11000.0           0.00 0.00 0.07 0.28 0.46 0.86 0.97 1.08 0.90 1.24
VEL11000.0 1.38 1.26 0.83 0.43 0.57 0.00
CAL21000.0     95.08      26.9
VEL21000.0
VEL21000.0
CAL31000.0     99.47     498.1
VEL31000.0
VEL31000.0
ENDJ
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