12-4-2009

Ex. 280-US-438

Unknown

Stream: Sprague River
Site: 645
Date: 4/10/2004
Habitat: Run / Glide **Flow:** High

(1) Level Loop Survey (BM & HP)

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	5.50	105.50		100.00
HP1			4.68	100.82
HP2			4.74	100.76
HP3			3.69	101.81
TP				
HP3	3.59	105.40		
HP2			4.65	100.75
HP1			4.59	100.81
BM			5.41	99.99

Comment:

(2) Water Surface Elevation (WSE) Survey

TR	Station L/R bank (ft)	Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	105.40	9.95	0.29	95.74	95.73	882.3
1-R	0			10.05	0.36	95.71		
2-L	156	132	105.40	10.15	0.53	95.78	95.76	
2-R	108			10.29	0.63	95.74		
3-L	315	296	105.40	10.03	0.43	95.80	95.79	
3-R	276			9.98	0.36	95.78		
							Ave Q=	882.3

Note:
WSE slope = 0.022%

(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068
Propeller ID: na

Date: 6/26/2004
Habitat: Run / Glide **Flow:** Mid

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	5.39	105.39		100.00
HP3			3.61	101.78
HP2			4.59	100.80
HP1			4.68	100.71
TP				
HP1	4.09	104.80		
HP2			4.00	100.80
HP3			3.02	101.78
BM			4.80	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

TR	Station L/R bank (ft)	Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	104.80	11.49	1.33	94.64	94.62	189.2
1-R	0			12.12	1.91	94.59		
2-L	156	132	104.80	11.30	1.33	94.83	94.76	207.4
2-R	108			10.92	0.80	94.68		
3-L	315	296	104.80	11.81	1.79	94.78	94.75	188.7
3-R	276			11.53	1.45	94.72		
							Ave Q=	195.1

Note:
WSE slope = 0.046%

(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068
Propeller ID: na

Date: 8/17/2004
Habitat: Run / Glide **Flow:** Low

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	5.32	105.32		100.00
HP1			4.50	100.82
HP2			4.54	100.78
HP3			3.50	101.82
TP				
HP3	3.47	105.29		
HP2			4.51	100.78
HP1			4.47	100.82
BM			5.29	100.00

Comment:

(2) Water Surface Elevation (WSE) Survey

TR	Station L/R bank (ft)	Station Ave (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
1-L	0	0	105.29	11.23	0.00	94.06	94.05	124.9
1-R	0			11.25	0.00	94.04		
2-L	156	132	105.29	11.07	0.00	94.22	94.18	105.4
2-R	108			11.15	0.00	94.14		
3-L	315	296	105.29	11.03	0.00	94.26	94.25	132.1
3-R	276			11.05	0.00	94.24		
							Ave Q=	120.8

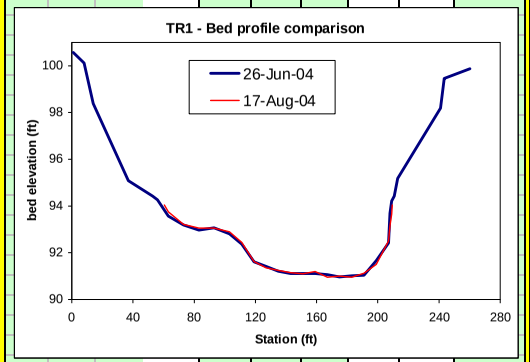
Note:
WSE slope = 0.068%

(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068
Propeller ID: na

Stream:	Sprague River		10-Apr-04									26-Jun-04										17-Aug-04									
Site:	645			Sta	FS	Ground	Depth	Vel (ft/s)			q		Sta	FS	Ground	Depth	Vel (ft/s)			q			Sta	FS	Ground	Depth	Vel (ft/s)			q	
Transect:	1			(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate	(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate		(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate
Habitat:	Run / Glide			43.7		95.73	0.00	0.00		0.00	0.00		LWP	1.0	4.23	100.57						1.2									
				47.0		95.48	0.25	0.00		0.01	0.00			8.0	4.68	100.12						1.2									
Survey	HI	Q		50.0		94.73	1.00	0.17		0.24	0.72			14.0	6.42	98.38						1.2									
Date	(ft)	(cfs)		53.0		93.13	2.60	0.57	1.11	0.99	12.81			37.0	9.71	95.09						1.2									
4/10/2004	105.40	882.3		60.0		91.93	3.80	0.74	1.81	1.48	39.37		LWE	52.8	10.38	94.42	0.00	0.00		0.00	0.00	1.2	LWE	60.4		94.05	0.00	0.00		0.00	0.00	2.1
6/26/2004	104.80	189.2		67.0		91.83	3.90	0.87	1.69	1.48	40.51			56.0		94.27	0.35	0.00		0.01	0.00	1.2		63.0		93.75	0.30	0.00		0.01	0.00	2.1
8/17/2004	105.29	124.9		74.0		91.43	4.30	1.09	1.98	1.77	53.38			63.0		93.57	1.05	0.00		0.01	0.00	2.1		73.0		93.22	0.83	-0.04		-0.06	-0.52	2.4
				81.0		91.13	4.60	1.86	0.80	1.54	49.64			73.0		93.19	1.43	0.17		0.24	3.45	2.4		83.0		93.05	1.00	-0.04		-0.06	-0.62	2.4
				88.0		90.93	4.80	2.13	1.28	1.97	66.10			83.0		92.97	1.65	-0.01		-0.02	-0.26	2.4		93.0		93.05	1.00	-0.06		-0.09	-0.94	2.4
				95.0		91.13	4.60	0.55	1.98	1.47	47.30			93.0		93.07	1.55	0.08		0.12	1.93	2.4		103.0		92.90	1.15	0.00		0.00	0.00	2.4
				102.0		91.13	4.60	1.21	2.07	1.89	60.96			103.0		92.82	1.80	0.07		0.11	1.77	2.4		111.0		92.45	1.60	0.64	0.07	0.43	5.57	2.4
				109.0		90.93	4.80	1.32	1.37	1.56	52.39			111.0		92.37	2.25	0.61		0.73	13.07	2.4		119.0		91.63	2.42	0.38		0.47	9.19	4.3
				116.0		90.93	4.80	1.36	1.77	1.81	60.80			119.0		91.62	3.00	0.19	0.07	0.19	4.50	4.3		127.0		91.36	2.69	0.74	-0.02	0.42	9.05	4.3
				123.0		90.93	4.80	1.25	1.73	1.72	57.93			127.0		91.42	3.20	0.15	0.76	0.56	14.25	4.3		135.0		91.25	2.80	0.77	0.02	0.47	10.49	4.3
				130.0		91.23	4.50	0.98	1.65	1.52	48.00			135.0		91.22	3.40	1.06	0.03	0.64	17.40	4.3		143.0		91.15	2.90	0.63	-0.02	0.36	8.33	5.3
				137.0		91.23	4.50	1.55	1.72	1.89	59.52			143.0		91.12	3.50	0.13	0.19	0.23	6.45	5.3		151.0		91.10	2.95	0.72	-0.01	0.42	9.85	3.2
				144.0		91.43	4.30	0.78	1.46	1.30	39.24			151.0		91.12	3.50	0.63	0.03	0.40	11.14	3.2		159.0		91.20	2.85	0.78	0.14	0.56	12.81	3.2
				151.0		91.93	3.80	0.67	1.33	1.17	31.07			159.0		91.12	3.50	0.09	1.11	0.72	20.03	3.2		167.0		90.95	3.10	0.82	0.00	0.48	11.92	2.3
				158.0		91.58	4.15	0.83	1.65	1.44	41.82			167.0		91.07	3.55	0.78	0.40	0.71	20.07	2.3		175.0		91.00	3.05	0.84	0.00	0.49	12.00	4.3
				165.0		92.13	3.60	0.88	1.58	1.43	35.96			175.0		90.97	3.65	0.83	0.17	0.61	17.72	4.3		183.0		90.95	3.10	0.94	0.00	0.55	13.57	2.4
				172.0		92.13	3.60	0.16	1.24	0.83	21.04			183.0		91.02	3.60	0.46	0.81	0.76	21.76	2.4		191.0		91.13	2.92	0.99	-0.03	0.55	12.91	2.4
				179.0		92.53	3.20	0.11	1.26	0.82	18.27			191.0		91.04	3.58	0.87	0.17	0.63	18.01	2.4		199.0		91.50	2.55	0.67	-0.04	0.37	7.46	2.3
				186.0		93.08	2.65	0.20	1.14	0.80	14.86			199.0		91.67	2.95	0.01	0.42	0.27	6.30	2.3		207.0		92.50	1.55	0.35		0.44	3.08	2.1
				193.0		93.33	2.40	1.02		1.19	19.94			207.0		92.42	2.20	0.93		1.08	10.72	2.1		208.0		93.15	0.90	0.62		0.74	0.66	2.1
				200.0		94.38	1.35	0.55		0.66	6.22			208.0		93.69	0.93	0.84		0.98	0.91	2.1		209.0		93.65	0.40	0.13		0.20	0.05	1.2
				207.0		94.66	1.07	0.39		0.49	3.38			209.0		94.22	0.40	-0.04		-0.06	-0.03	1.2	RWE	209.4		94.05	0.00	0.00		0.00	0.00	1.2
				213.0		94.68	1.05	0.13		0.20	1.13		RWE	210.7	10.37	94.43	0.00	0.00		0.00	0.00	1.2									
				218.0		94.98	0.75	-0.01		-0.02	-0.04			213.0	9.62	95.18						1.2									
				220.0		95.73	0.00	0.00		0.00	0.00			241.0	6.61	98.19						2.1									
														243.5	5.34	99.46						2.1									
													RWP	260.2	4.92	99.88						2.1									

This (4/10/04) is a Discharge Flow Transect.
******* Not TR1 *******



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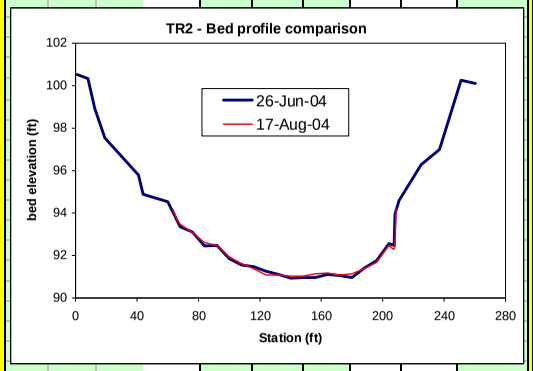
Stream:	Sprague River	
Site:	645	
Transect:	2	
Habitat:	Run / Glide	
Survey Date	HI (ft)	Q (cfs)
4/10/2004	105.40	
6/26/2004	104.80	207.4
8/17/2004	105.29	105.4



	10-Apr-04								
	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

	26-Jun-04								
	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	1.0	4.27	100.53						1.1
	8.0	4.46	100.34						1.1
	12.5	5.89	98.91						2.1
	19.0	7.26	97.54						1.2
	41.0	9.01	95.79						1.2
LWE	44.0	9.91	94.89	0.00	0.00		0.00	0.00	1.2
	52.0		94.71	0.05	0.00		0.01	0.00	1.2
	60.0		94.54	0.22	0.00		0.01	0.00	1.2
	68.0		93.36	1.40	0.05		0.08	0.87	1.2
	76.0		93.12	1.64	0.16		0.23	3.02	1.2
	84.0		92.46	2.30	0.18		0.25	4.67	1.2
	92.0		92.48	2.28	0.36		0.45	8.25	2.4
	100.0		91.86	2.90	0.00	0.47	0.29	6.63	4.3
	108.0		91.56	3.20	0.00	0.62	0.37	9.44	4.3
	116.0		91.48	3.28	0.15	0.06	0.16	4.10	4.3
	124.0		91.26	3.50	0.65	0.06	0.43	12.11	4.3
	132.0		91.11	3.65	0.08	0.67	0.46	13.42	4.3
	140.0		90.94	3.82	0.66	0.13	0.49	14.94	4.3
	148.0		90.96	3.80	0.13	0.65	0.48	14.69	4.3
	156.0		90.96	3.80	1.06	0.48	0.91	27.58	4.3
	164.0		91.11	3.65	0.10	0.49	0.37	10.92	4.3
	172.0		91.06	3.70	0.87	0.27	0.69	20.28	4.2
	180.0		90.96	3.80	0.30	0.73	0.62	18.93	2.4
	188.0		91.41	3.35	0.91	0.04	0.56	15.04	2.4
	196.0		91.76	3.00	0.55	0.99	0.91	21.72	2.4
	204.0		92.56	2.20	0.03		0.05	0.59	2.4
	207.5		92.48	2.28	0.02		0.03	0.14	2.1
	208.0		93.96	0.80	0.01		0.02	0.02	1.2
RWE	210.7	10.22	94.58	0.00	0.00		0.00	0.00	2.1
	225.0	8.52	96.28						1.2
	237.0	7.81	96.99						1.2
	251.0	4.54	100.26						1.2
	260.2	4.70	100.10						1.2
RWP	260.3	4.70	100.10						1.2

	17-Aug-04								
	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
LWE	63.5		94.18	0.00	0.00		0.00	0.00	1.2
	66.0		93.68	0.50	0.00		0.01	0.00	1.2
	68.0		93.48	0.70	0.00		0.01	0.00	1.2
	76.0		93.08	1.10	0.05	-0.05	0.00	0.00	1.2
	84.0		92.61	1.57	0.14	0.00	0.10	1.30	1.2
	92.0		92.48	1.70	0.32	0.00	0.20	2.77	2.4
	100.0		91.93	2.25	0.31	-0.03	0.17	3.14	4.3
	108.0		91.63	2.55	0.04	-0.02	0.02	0.32	4.3
	116.0		91.38	2.80	0.16	0.16	0.23	5.16	4.3
	124.0		91.08	3.10	0.21	0.13	0.24	6.00	4.3
	132.0		91.08	3.10	0.40	0.00	0.25	6.16	4.3
	140.0		91.03	3.15	0.56	0.00	0.33	8.43	4.3
	148.0		91.03	3.15	0.45	0.00	0.28	6.93	4.3
	156.0		91.13	3.05	0.64	0.00	0.38	9.28	4.3
	164.0		91.18	3.00	0.86	0.00	0.50	12.06	4.3
	172.0		91.08	3.10	0.73	-0.04	0.40	9.91	4.2
	180.0		91.13	3.05	0.66	-0.06	0.34	8.41	2.4
	188.0		91.38	2.80	0.77	0.00	0.45	10.14	2.4
	196.0		91.68	2.50	0.74	-0.03	0.41	8.26	2.4
	204.0		92.48	1.70	0.67	0.00	0.40	3.71	2.4
	207.0		92.28	1.90	0.60		0.72	2.72	2.1
	208.0		92.43	1.75	0.37		0.46	0.73	1.2
RWE	208.8		94.18	0.00	0.00		0.00	0.00	1.2

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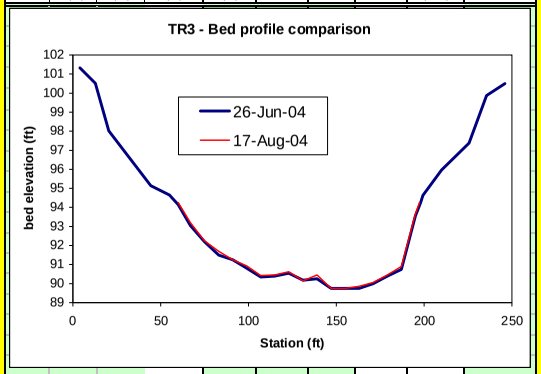
Stream:	Sprague River	
Site:	645	
Transect:	3	
Habitat:	Run / Glide	
Survey Date	HI (ft)	Q (cfs)
4/10/2004	105.40	
6/26/2004	104.80	188.7
8/17/2004	105.29	132.1



	10-Apr-04								
	Sta	FS	Ground	Depth	Vel (ft/s)			q	
	(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate

	26-Jun-04								
	Sta	FS	Ground	Depth	Vel (ft/s)			q	
	(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate
LWP	4.0	4.08	101.32						2.1
	12.8	4.28	100.52						2.1
	20.4	6.78	98.02						1.2
LWE	44.4	9.66	95.14	0.00	0.00		0.00	0.00	1.2
	55.0		94.65	0.10	0.00		0.01	0.00	1.2
	60.0		94.15	0.60	-0.03		-0.05	-0.17	1.2
	67.0		93.04	1.71	0.53		0.64	8.14	3.4
	75.0		92.20	2.55	0.47	0.50	0.59	11.97	2.4
	83.0		91.50	3.25	0.04	0.13	0.13	3.35	2.3
	91.0		91.25	3.50	0.01	0.02	0.02	0.66	2.3
	99.0		90.80	3.95	0.00	0.00	0.01	0.00	2.3
	107.0		90.35	4.40	0.00	0.00	0.01	0.00	2.3
	115.0		90.40	4.35	0.00	0.00	0.01	0.00	2.3
	123.0		90.55	4.20	0.00	0.02	0.02	0.52	2.3
	131.0		90.18	4.57	0.00	0.01	0.01	0.29	2.3
	139.0		90.25	4.50	0.12	0.33	0.30	10.82	4.3
	147.0		89.75	5.00	0.69	0.65	0.79	31.76	4.3
	155.0		89.75	5.00	0.35	0.84	0.71	28.49	4.3
	163.0		89.75	5.00	1.01	0.79	1.05	42.06	4.3
	171.0		90.00	4.75	0.61	0.99	0.94	35.69	4.3
	179.0		90.39	4.36	0.16	0.35	0.34	11.72	4.3
	187.0		90.75	4.00	0.09	0.02	0.09	2.75	2.3
	195.0		93.55	1.20	0.06		0.09	0.62	2.1
	198.0		94.25	0.50	0.00		0.01	0.00	1.2
RWE	199.3	10.16	94.64	0.00	0.00		0.00	0.00	1.2
	210.0	8.83	95.97						2.1
	225.5	7.42	97.38						2.1
	235.5	4.93	99.87						2.1
RWP	246.0	4.30	100.50						2.1

	17-Aug-04								
	Sta	FS	Ground	Depth	Vel (ft/s)			q	
	(ft)	(ft)	(ft)	(ft)	$V_{0.2/0.6}$	$V_{0.8}$	Ave	(cfs)	substrate
LWE	60.0		94.25	0.00	0.00		0.00	0.00	1.2
	67.0		93.20	1.05	0.12	0.02	0.11	0.84	3.4
	75.0		92.25	2.00	0.21		0.29	4.63	2.4
	83.0		91.70	2.55	0.23	-0.03	0.13	2.70	2.3
	91.0		91.25	3.00	0.04	0.00	0.03	0.75	2.3
	99.0		90.93	3.32	0.00	0.00	0.00	0.00	2.3
	107.0		90.43	3.82	0.10	0.00	0.08	2.38	2.3
	115.0		90.45	3.80	0.43	0.00	0.26	8.04	2.3
	123.0		90.62	3.63	0.03	0.00	0.02	0.68	2.3
	131.0		90.15	4.10	0.34	0.00	0.22	7.05	2.3
	139.0		90.45	3.80	0.21	0.00	0.14	4.40	4.3
	147.0		89.75	4.50	0.49	0.26	0.47	16.84	4.3
	155.0		89.75	4.50	0.49	0.24	0.46	16.46	4.3
	163.0		89.85	4.40	0.86	0.24	0.66	23.37	4.3
	171.0		90.05	4.20	0.61	0.58	0.71	23.83	4.3
	179.0		90.45	3.80	0.36	0.00	0.23	6.88	4.3
	187.0		90.90	3.35	0.85	0.00	0.50	13.32	2.3
	195.0		93.65	0.60	-0.01		-0.02	-0.05	2.1
RWE	197.4		94.25	0.00	0.00		0.00	0.00	1.2

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        Sprague River SP-5 06/27/04
Run/Glide                   MID                                    TRANSECT 1
IOC       1101100100001000101000
QARD  80.0
QARD 100.0
QARD 120.8
QARD 140.0
QARD 160.0
QARD 180.0
QARD 195.1
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 280.0
QARD 300.0
QARD 320.0
QARD 340.0
QARD 360.0
QARD 380.0
QARD 400.0
QARD 420.0
QARD 440.0
QARD 460.0
QARD 480.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 882.3
XSEC   0.0       0.0 1.0     90.97   0.00046
       0.0  1.0100.6  8.0100.1 14.0 98.4 37.0 95.1 52.8 94.4 56.0 94.3
       0.0 63.0 93.6 73.0 93.2 83.0 93.0 93.0 93.1103.0 92.8111.0 92.4
       0.0119.0 91.6127.0 91.4135.0 91.2143.0 91.1151.0 91.1159.0 91.1
       0.0167.0 91.1175.0 91.0183.0 91.0191.0 91.0199.0 91.7207.0 92.4
       0.0208.0 93.7209.0 94.2210.7 94.4213.0 95.2241.0 98.2243.5 99.5
       0.0260.2 99.9
NS     0.0       1.2       1.2       1.2       1.2       1.2 0.4   1.2
NS     0.0 0.5   2.1       2.4 0.4   2.4       2.4       2.4       2.4
NS     0.0 0.20  4.3       4.3       4.3 0.25  5.3       3.2       3.2
NS     0.0       2.3       4.3       2.4       2.4 0.18  2.3 .065  2.1
NS     0.0 0.1   2.1 0.2   1.2       1.2       1.2       2.1       2.1
NS     0.0       2.1
WSL    0.0     93.83     93.95     94.05     94.14     94.24     94.34
WSL    0.0     94.41     94.43     94.51     94.58     94.64     94.71
WSL    0.0     94.77     94.82     94.87     94.93     94.98     95.02
WSL    0.0     95.07     95.11     95.14     95.18     95.21     95.29
WSL    0.0     95.37     95.44     95.51     95.57     95.63     95.73
CAL1   0.0     94.62     195.1
VEL1   0.0                    0.00 0.01 0.01 0.24-0.02 0.12 0.11 0.73
VEL1   0.0 0.19 0.56 0.64 0.23 0.40 0.72 0.71 0.61 0.76 0.63 0.27 1.08
VEL1   0.0 0.98-0.06 0.00
CAL2   0.0     95.73     882.3
VEL2   0.0
VEL2   0.0
VEL2   0.0
CAL3   0.0     94.05     120.8
VEL3   0.0
VEL3   0.0
VEL3   0.0
ENDJ
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        Sprague River SP_5 06/27/04
Run/Glide                   MID                                    TRANSECT 2
IOC       1100000100001000101000
QARD  80.0
QARD 100.0
QARD 120.8
QARD 140.0
QARD 160.0
QARD 180.0
QARD 195.1
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 280.0
QARD 300.0
QARD 320.0
QARD 340.0
QARD 360.0
QARD 380.0
QARD 400.0
QARD 420.0
QARD 440.0
QARD 460.0
QARD 480.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 882.3
XSEC   0.0       0.0 1.0     90.97   0.000457
       0.0  1.0100.5  8.0100.3 12.5 98.9 19.0 97.5 41.0 95.8 44.0 94.9
       0.0 52.0 94.7 60.0 94.5 68.0 93.4 76.0 93.1 84.0 92.5 92.0 92.5
       0.0100.0 91.9108.0 91.6116.0 91.5124.0 91.3132.0 92.1140.0 90.9
       0.0148.0 91.0156.0 91.0164.0 91.1172.0 91.1180.0 91.0188.0 91.4
       0.0196.0 91.8204.0 92.6207.5 92.5208.0 94.0210.7 94.6225.0 96.3
       0.0237.0 97.0251.0100.3260.2100.1260.3100.1
NS     0.0       1.1       1.1       2.1       1.2       1.2       1.2
NS     0.0 0.2   1.2 0.2   1.2 0.2   1.2       1.2       1.2       2.4
NS     0.0       4.3       4.3       4.3       4.3       4.3       4.3
NS     0.0       4.3 .095  4.3       4.3       4.2       2.4       2.4
NS     0.0 .085  2.4 0.4   2.4 0.45  2.1 0.5   1.2       2.1       1.2
NS     0.0       1.2       1.2       1.2       1.2
WSL    0.0     94.00     94.10     94.18     94.26     94.34     94.43
WSL    0.0     94.50     94.51     94.59     94.65     94.71     94.77
WSL    0.0     94.83     94.88     94.92     94.98     95.03     95.07
WSL    0.0     95.12     95.15     95.18     95.22     95.25     95.33
WSL    0.0     95.41     95.47     95.54     95.60     95.66     95.76
CAL1   0.0     94.76     195.1
VEL1   0.0                          0.00 0.01 0.01 0.08 0.23 0.25 0.45
VEL1   0.0 0.29 0.37 0.16 0.43 0.46 0.49 0.48 0.91 0.37 0.69 0.62 0.56
VEL1   0.0 0.91 0.05 0.03 0.02 0.00
CAL2   0.0     95.76     882.3
VEL2   0.0
VEL2   0.0
VEL2   0.0
CAL3   0.0     94.18     120.8
VEL3   0.0
VEL3   0.0
VEL3   0.0
ENDJ
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        Sprague River SP_5 06/27/04
Run/Glide                   MID                                     TRANSECT 3
IOC       1100000100001000101000
QARD  80.0
QARD 100.0
QARD 120.8
QARD 140.0
QARD 160.0
QARD 180.0
QARD 195.1
QARD 200.0
QARD 220.0
QARD 240.0
QARD 260.0
QARD 280.0
QARD 300.0
QARD 320.0
QARD 340.0
QARD 360.0
QARD 380.0
QARD 400.0
QARD 420.0
QARD 440.0
QARD 460.0
QARD 480.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 882.3
XSEC   0.0       0.0 1.0     90.97   0.00046
       0.0  4.0101.3 12.8100.5 20.4 98.0 44.4 95.1 55.0 94.7 60.0 94.2
       0.0 67.0 93.0 75.0 92.2 83.0 91.5 91.0 91.2 99.0 90.8107.0 90.3
       0.0115.0 90.4123.0 90.6131.0 90.2139.0 90.2147.0 89.7155.0 89.7
       0.0163.0 89.7171.0 90.0179.0 90.4187.0 90.7195.0 93.6198.0 94.2
       0.0199.3 94.6210.0 96.0225.5 97.4235.5 99.9246.0100.5
NS     0.0       2.1       2.1       1.2       1.2       1.2       1.2
NS     0.0       3.4       2.4 0.3   2.3 0.5   2.3 0.5   2.3 0.5   2.3
NS     0.0 0.5   2.3 0.5   2.3 0.5   2.3       4.3       4.3       4.3
NS     0.0       4.3       4.3       4.3 0.5   2.3       2.1 0.5   1.2
NS     0.0       1.2       2.1       2.1       2.1       2.1
WSL    0.0     94.09     94.18     94.26     94.33     94.41     94.50
WSL    0.0     94.56     94.57     94.64     94.71     94.76     94.82
WSL    0.0     94.88     94.92     94.97     95.02     95.07     95.11
WSL    0.0     95.15     95.19     95.22     95.26     95.29     95.36
WSL    0.0     95.44     95.50     95.57     95.63     95.69     95.79
CAL1   0.0     94.75     195.1
VEL1   0.0                0.00 0.01-0.05 0.64 0.59 0.13 0.02 0.01 0.01
VEL1   0.0 0.01 0.02 0.01 0.30 0.79 0.71 1.05 0.94 0.34 0.09 0.09 0.01
VEL1   0.0 0.00
CAL2   0.0     95.79     882.3
VEL2   0.0
VEL2   0.0
VEL2   0.0
CAL3   0.0     94.25     120.8
VEL3   0.0
VEL3   0.0
VEL3   0.0
ENDJ
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