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Ex. 280-US-431

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Stream: Sprague  
 Site: 643  
 (Sprague River)

Date: 9/22/1990

Habitat: run

Flow: Low

(1) Level Loop Survey (BM & HP)

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	3.38	103.38		
HP1			7.26	96.12
HP2			4.78	98.60
HP3			4.27	99.11
TP				
HP3	4.10	103.21	4.61	98.60
HP2			7.09	96.12
HP1			3.21	100.00
BM				

Comment:

Date: 4/4/1991

Habitat: run

Flow: Mid

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	2.64	102.64		
HP1			6.54	96.10
HP2			4.06	98.58
HP3			3.55	99.09
TP				
HP3	3.67	102.76	4.18	98.58
HP2			6.66	96.10
HP1			2.76	100.00
BM				

Comment:

Date: 6/28/1993

Habitat: run

Flow: High

(1) Level Loop Survey

BM/HP (ft)	BS (ft)	HI (ft)	FS (ft)	Elev (ft)
BM	1.33	101.33		
HP1			5.22	96.11
HP2			2.74	98.59
HP3			2.23	99.10
TP				
HP3	2.19	101.29	2.70	98.59
HP2			5.18	96.11
HP1			1.29	100.00
BM				

Comment:

(2) Water Surface Elevation (WSE) Survey

	L/R WSE (ft)	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	349.0	100.06	7.52	0.00	92.54	92.52	78.83
	RWSE			7.56	0.00	92.50		
TR2	LWSE	523.5	100.75	8.22	0.00	92.53	92.53	77.66
	RWSE			8.22	0.00	92.53		
TR3	LWSE	610.8	100.75	8.20	0.00	92.55	92.56	81.65
	RWSE			8.19	0.00	92.56		

Note:

WSE slope = 0.013%

Ave Q= 79.38

(2) Water Surface Elevation (WSE) Survey

	L/R WSE (ft)	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	349.0	102.76	9.59	0.00	93.17	93.18	303.34
	RWSE			9.58	0.00	93.18		
TR2	LWSE	523.5	102.76	9.55	0.00	93.21	93.25	306.88
	RWSE			9.48	0.00	93.28		
TR3	LWSE	610.8	102.76	9.45	0.00	93.31	93.34	299.48
	RWSE			9.40	0.00	93.36		

Note:

WSE slope = 0.061%

Ave Q= 303.23

(2) Water Surface Elevation (WSE) Survey

	L/R WSE (ft)	Sta (ft)	HI (ft)	FS (ft)	Rod (ft)	WSE (ft)	Ave WSE (ft)	Q (cfs)
TR1	LWSE	349.0	101.29	8.00	0.00	93.29	93.28	
	RWSE			8.03	0.00	93.26		
TR2	LWSE	523.5	101.29	7.94	0.00	93.35	93.36	322.28
	RWSE			7.92	0.00	93.37		
TR3	LWSE	610.8	101.29	7.83	0.00	93.46	93.46	
	RWSE			7.83	0.00	93.46		

Note:

WSE slope = 0.071%

Ave Q= 322.28







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RUN                MID                TRANSECT 1
IOC                1101100000001000101000
QARD 25.0
QARD 50.0
QARD 79.4
QARD 100.0
QARD 150.0
QARD 200.0
QARD 250.0
QARD 303.2
QARD 322.3
QARD 350.0
QARD 400.0
QARD 450.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 850.0
QARD 900.0
QARD 950.0
QARD 1000.
QARD 1100.
QARD 1200.
QARD 1300.
QARD 1400.
QARD 1600.
QARD 1800.
QARD 2000.
XSEC1000.0        0.00 1.0        89.68  0.00061
1000.0  0.095.34  2.694.70  5.493.18  5.693.08 12.090.98 18.090.88
1000.0  24.090.08 30.089.98 36.089.78 42.089.88 48.089.68 54.089.68
1000.0  60.089.98 66.090.18 72.090.33 78.090.48 84.091.28 90.091.58
1000.0  96.091.48102.091.38112.090.78118.091.28121.092.28124.293.18
1000.0131.094.38
NS 1000.0        1.1        1.1        2.2        2.2 .3    2.7 .2    2.7
NS 1000.0        2.7        2.7        2.9        2.9        4.9        4.9
NS 1000.0        4.9        4.9        4.2        4.2        4.2        4.2
NS 1000.0        4.2        4.2        2.9 .15    2.9 .2    2.9        2.2
NS 1000.0        2.2
CAL11000.0       93.18       303.2
VEL11000.0              0.00 0.01 0.06 0.66 0.84 0.86 0.97 1.87 1.65
VEL11000.0  1.25 1.27 1.17 1.34 1.16 1.42 1.40 1.31 0.93 0.01 0.01 0.01
VEL11000.0
CAL21000.0       92.52       79.4
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0       93.28       322.3
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ

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RUN                MID                TRANSECT 2
IOC                1101100000001000101000
QARD 25.0
QARD 50.0
QARD 79.4
QARD 100.0
QARD 150.0
QARD 200.0
QARD 250.0
QARD 303.2
QARD 322.3
QARD 350.0
QARD 400.0
QARD 450.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 850.0
QARD 900.0
QARD 950.0
QARD 1000.
QARD 1100.
QARD 1200.
QARD 1300.
QARD 1400.
QARD 1600.
QARD 1800.
QARD 2000.
XSEC1000.0        0.00 1.0      90.25  0.00061
1000.0  0.094.39  1.694.25  1.991.25  2.091.05  4.090.85  7.090.85
1000.0  10.090.05  13.089.95  16.089.75  19.089.95  22.090.05  25.090.05
1000.0  28.090.35  31.090.45  34.090.35  37.090.55  40.090.55  43.090.65
1000.0  46.091.15  49.090.85  52.090.85  55.091.25  58.091.05  61.091.05
1000.0  64.091.75  67.293.25  69.192.55  72.293.05  76.893.82  82.794.79
NS 1000.0        1.1      1.1      1.1      7.6      7.6      7.6
NS 1000.0        7.6      7.6      7.6      7.2      7.2      7.2
NS 1000.0        7.2      7.2      7.2      7.2      7.9      7.9
NS 1000.0        7.9      7.9      7.9      7.9      7.9      7.9
NS 1000.0        7.7      7.7 .10  2.7      2.2      7.6      7.6
CAL11000.0      93.25      303.2
VEL11000.0        0.00 0.43 0.58 0.67 1.28 1.80 2.15 2.19 1.40 1.97
VEL11000.0  2.41 2.37 2.03 2.19 2.23 2.33 2.36 1.88 2.01 1.95 1.75 1.36
VEL11000.0  0.71 0.01 0.11 0.00
CAL21000.0      92.53      79.4
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0      93.36      322.3
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ

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RUN                MID                TRANSECT 3
IOC                1101100000001000101000
QARD 25.0
QARD 50.0
QARD 79.4
QARD 100.0
QARD 150.0
QARD 200.0
QARD 250.0
QARD 303.2
QARD 322.3
QARD 350.0
QARD 400.0
QARD 450.0
QARD 500.0
QARD 550.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 750.0
QARD 800.0
QARD 850.0
QARD 900.0
QARD 950.0
QARD 1000.
QARD 1100.
QARD 1200.
QARD 1300.
QARD 1400.
QARD 1600.
QARD 1800.
QARD 2000.
XSEC1000.0        0.00 1.0      90.40  0.00061
    1000.0  0.094.74  1.893.34  4.292.34  7.091.34  10.090.44  13.089.84
    1000.0  15.089.84  18.089.84  21.089.84  23.089.64  26.089.64  29.089.84
    1000.0  32.089.54  35.089.64  38.089.64  41.089.64  44.089.94  47.090.14
    1000.0  50.090.34  53.090.54  56.091.34  59.091.54  62.091.64  65.091.84
    1000.0  68.092.44  71.092.44  74.393.24  79.093.99101.095.40120.096.55
    1000.0130.097.95134.998.62
NS 1000.0         2.1      2.2      2.1      2.2      2.7      2.7
NS 1000.0         2.7      2.7      2.7      2.7      2.7      2.7
NS 1000.0         2.7      2.7      .075 2.7      2.7      2.7      7.2
NS 1000.0         7.2      7.2      7.2      7.2      7.2      7.2
NS 1000.0         7.2      7.2      2.6      7.6      7.6      7.6
NS 1000.0         3.2      3.2
CAL11000.0        93.34     303.2
VEL11000.0        0.00 0.32 0.41 0.78 1.52 1.94 1.90 1.84 1.44 1.69 1.88
VEL11000.0  1.69 1.62 0.91 1.65 1.81 1.43 1.76 1.81 1.81 1.88 1.88 1.38
VEL11000.0  1.35 0.86 0.00
CAL21000.0        92.56     79.4
VEL21000.0
VEL21000.0
VEL21000.0
CAL31000.0        93.46     322.3
VEL31000.0
VEL31000.0
VEL31000.0
ENDJ

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Stream: Sprague River  
 Site: 643  
 Date: 4/11/2004  
 Habitat: Run

Flow: High

BM/HP (ft)	Station		FS (ft)	Elev (ft)
	BS (ft)	HI (ft)		
BM	1.23	101.23		100.00
HP1			6.97	94.26
BM2	4.55	96.81	8.97	92.26
HP2	4.78	98.64	2.95	93.86
HP3	4.87	98.77	4.74	93.90
HP2	3.65	97.51	4.91	93.86
BM2	8.46	100.72	5.25	92.26
HP1			6.47	94.25
BM			0.73	99.99

Comment: Unable to get loop to close. Use elevations from 4/11 data

Date: 6/26/2004  
 Habitat: Run

Flow: Mid

BM/HP (ft)	Station		FS (ft)	Elev (ft)
	BS (ft)	HI (ft)		
BM	0.11	100.11		100.00
HP1			5.82	94.29
HP2	3.84	97.37	6.58	93.53
HP3	4.71	97.95	4.13	93.24
HP2			4.43	93.52
BM2	7.89	99.74	6.10	91.85
BM1			0.18	99.56

Comment: Unable to get loop to close. Use elevations from 4/11 data

Date: 8/18/2004  
 Habitat: Run

Flow: Low

BM/HP (ft)	Station		FS (ft)	Elev (ft)
	BS (ft)	HI (ft)		
BM	0.11	100.11		100.00
HP1			5.84	94.27
TP1	3.40	97.52	5.99	94.12
TP2	6.24	98.81	4.95	92.57
HP2			4.94	93.87
HP3			4.97	93.84
TP				
HP3	4.45	98.29		93.84
HP2			4.44	93.85
TP2	4.73	97.29	5.73	92.56
TP1	6.03	100.14	3.18	94.11
HP1			5.89	94.25
BM			0.15	99.99

Comment: HP3 moved .06

(1) Level Loop Survey (WSE) Survey

TR	Station		FS (ft)	WSE (ft)	Rod (ft)	Ave WSE (ft)	Q (cfs)
	L/R bank (ft)	Ave (ft)					
1-L	0	0	100.72	91.24	0.46	91.24	959.1
1-R	0	0	97.4	91.24	0.26	91.24	
2-L	684	597	97.05	91.29	0.44	91.29	
2-R	510	1014	97.05	91.33	0.20	91.33	
3-L	1023	1014	97.05	91.33	0.20	91.33	
3-R	1005	1014	97.05	91.33	0.20	91.33	

Note: WSE slope = 0.009%

(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068  
 Propeller ID: NA

(2) Water Surface Elevation (WSE) Survey

TR	Station		FS (ft)	WSE (ft)	Rod (ft)	Ave WSE (ft)	Q (cfs)
	L/R bank (ft)	Ave (ft)					
1-L	0	0	100.50	89.09	0.00	89.09	148.2
1-R	0	0	11.75	89.09	0.34	89.09	
2-L	684	597	98.84	89.13	0.59	89.13	115.4
2-R	510	1014	10.30	89.13	0.04	89.13	
3-L	1023	1014	99.61	89.27	0.04	89.27	146.6
3-R	1005	1014	11.71	89.27	1.37	89.27	

Note: Check Loop and HP elevations after next field trip. WSE slope = 0.018%

(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068  
 Propeller ID: NA

(2) Water Surface Elevation (WSE) Survey

TR	Station		FS (ft)	WSE (ft)	Rod (ft)	Ave WSE (ft)	Q (cfs)
	L/R bank (ft)	Ave (ft)					
1-L	0	0	99.88	89.27	0.00	89.27	118
1-R	0	0	10.42	89.26	0.00	89.26	
2-L	684	597	98.52	89.37	0.00	89.37	110.8
2-R	510	1014	9.18	89.34	0.00	89.34	
3-L	1023	1014	99.45	89.38	0.00	89.38	117.1
3-R	1005	1014	10.08	89.37	0.00	89.37	

Note: WSE slope = 0.010%

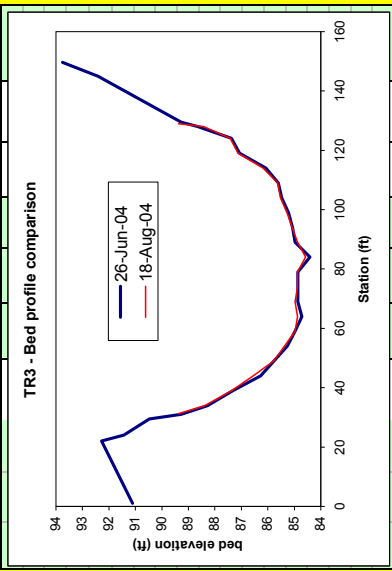
(3) Meter and propeller ID for Velocity Correction

Meter ID: 0068  
 Propeller ID: na





Stream: Sprague River			11-Apr-04					26-Jun-04					18-Aug-04										
Site: 643	Transact: 3	Habitat: Run	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s)	V <sub>0.2,0.6</sub>	V <sub>0.8</sub>	Ave	q (cfs)	substrate	Sta (ft)	FS (ft)	Ground (ft)	Depth (ft)	Vel (ft/s)	V <sub>0.2,0.6</sub>	V <sub>0.8</sub>	Ave	q (cfs)	substrate	
			LWP 1.0	5.94	91.11							1.2											
				22.0	7.33	92.28						1.2											
				24.0	8.17	91.44						1.2											
				29.5	9.14	90.47																	
				LWE 31.0	89.27	0.00		0.00		0.00	0.00	2.1						0.00		0.00	0.00	0.00	
				34.0	88.27	1.00		0.13		0.20	0.78	2.3						-0.07		-0.11	-0.43		
				39.0	87.32	1.95		0.25		0.33	3.25	2.3						0.05		0.08	0.78		
				44.0	86.27	3.00		0.25		0.42	6.39	2.3						0.12		0.13	0.19	2.66	
				49.0	85.77	3.50		0.42		0.34	8.30	2.3						0.21		0.16	0.26	4.68	
				54.0	85.27	4.00		0.39		0.46	10.47	2.3						0.23		0.21	0.30	6.01	
				59.0	84.97	4.30		0.52		0.59	12.73	2.3						0.40		0.34	0.29	8.85	
				64.0	84.72	4.55		0.44		0.51	13.10	2.3						0.40		0.40	0.31	10.04	
				69.0	84.87	4.40		0.51		0.30	10.96	2.3						0.48		0.40	0.54	11.86	
				74.0	84.87	4.40		0.56		0.26	11.15	4.2						0.40		0.30	0.44	9.91	
				79.0	84.87	4.40		0.56		0.26	11.15	4.2						0.41		0.32	0.46	10.29	
				84.0	84.41	4.86		0.00		0.60	3.66	4.2						0.44		0.21	0.41	9.95	
				89.0	84.97	4.30		0.48		0.58	12.50	4.2						0.39		0.33	0.45	10.18	
				94.0	85.07	4.20		0.41		0.49	11.54	4.2						0.33		0.30	0.40	8.63	
				99.0	85.22	4.05		0.33		0.20	7.05	4.2						0.22		0.31	0.35	7.14	
				104.0	85.47	3.80		0.19		0.30	6.17	4.2						0.20		0.25	0.31	5.88	
				109.0	85.60	3.67		0.28		0.22	6.10	4.2						0.17		0.23	0.28	5.19	
				114.0	86.07	3.20		0.17		0.02	2.18	2.3						0.11		0.10	0.16	2.60	
				119.0	87.07	2.20		0.16		0.23	2.53	2.3						0.10		0.16	0.16	1.76	
				124.0	87.37	1.90		0.06		0.09	0.80	2.3						0.08		0.12	0.12	1.10	
				128.0	88.65	0.62		0.02		0.03	0.05	2.3						0.00		0.01	0.01	0.00	
				RWE 129.5	89.27	0.00		0.00		0.00	0.00	1.2						0.00		0.00	0.00	0.00	
				RWP 149.7	7.20	92.41						2.1											
					5.86	93.75						2.1											



```

Run                LOW                TRANSECT 1
IOC                1100000100001000101000
QARD 45.0
QARD 50.0
QARD 75.0
QARD 100.0
QARD 115.4
QARD 125.0
QARD 147.4
QARD 175.0
QARD 200.0
QARD 225.0
QARD 250.0
QARD 275.0
QARD 300.0
QARD 325.0
QARD 350.0
QARD 375.0
QARD 400.0
QARD 425.0
QARD 450.0
QARD 475.0
QARD 500.0
QARD 525.0
QARD 550.0
QARD 575.0
QARD 600.0
QARD 650.0
QARD 700.0
QARD 800.0
QARD 900.0
QARD 959.1
XSEC 0.0          0.0 1.0          82.27  0.00010
      0.0  1.0 93.8  8.0 93.0 11.0 91.5 16.5 90.1 18.0 89.3 20.0 88.7
      0.0 23.0 88.3 28.0 87.7 33.0 86.6 38.0 86.0 43.0 86.0 48.0 86.1
      0.0 53.0 86.1 58.0 85.9 63.0 85.6 68.0 85.3 73.0 84.9 78.0 85.1
      0.0 83.0 83.8 88.0 82.6 93.0 82.6 98.0 82.3103.0 82.8108.0 83.3
      0.0113.0 84.4118.0 85.0123.0 85.9128.0 87.2133.0 88.4136.5 89.0
      0.0137.6 89.3144.5 91.2146.0 92.6155.6 93.4
NS    0.0          1.2          1.2          1.2          1.2          2.1          1.2
NS    0.0          2.1 .06        2.3          2.3          2.3          2.4 .30        2.4
NS    0.0          2.4          2.4          2.4          2.4 .25        2.4          2.3
NS    0.0 .090        2.3          2.3          2.3          2.3          2.3          2.3
NS    0.0          2.3          2.3          2.3          2.3 .15        2.3          2.3
NS    0.0          2.3          1.2          1.2          1.2
WSL   0.0          88.59        88.66        88.96        89.18        89.29        89.35
WSL   0.0          89.49        89.63        89.75        89.85        89.94        90.02
WSL   0.0          90.10        90.18        90.25        90.31        90.38        90.43
WSL   0.0          90.48        90.54        90.59        90.64        90.68        90.73
WSL   0.0          90.77        90.85        90.93        91.07        91.18        91.26
CAL1  0.0          89.27        115.4
VEL1  0.0          0.00 0.01-0.03 0.49 0.26 0.23 0.15 0.05
VEL1  0.0 0.35 0.33 0.25 0.22 0.09 0.31 0.61 0.31 0.48 0.32 0.41 0.20
VEL1  0.0-0.01-0.03 0.01 0.23 0.05 0.08 0.00
CAL2  0.0          91.24        959.1
VEL2  0.0
VEL2  0.0
VEL2  0.0
CAL3  0.0          89.09        147.4
VEL3  0.0
VEL3  0.0
VEL3  0.0
ENDJ

```



Run LOW TRANSECT 2  
 IOC 1100000100001000101000  
 QARD 45.0  
 QARD 50.0  
 QARD 75.0  
 QARD 100.0  
 QARD 115.4  
 QARD 125.0  
 QARD 147.4  
 QARD 175.0  
 QARD 200.0  
 QARD 225.0  
 QARD 250.0  
 QARD 275.0  
 QARD 300.0  
 QARD 325.0  
 QARD 350.0  
 QARD 375.0  
 QARD 400.0  
 QARD 425.0  
 QARD 450.0  
 QARD 475.0  
 QARD 500.0  
 QARD 525.0  
 QARD 550.0  
 QARD 575.0  
 QARD 600.0  
 QARD 650.0  
 QARD 700.0  
 QARD 800.0  
 QARD 900.0  
 QARD 959.1  
 XSEC 0.0 0.0 1.0 86.46 0.00010  
 0.0 1.0 93.5 19.3 91.3 33.2 91.0 37.0 89.8 60.0 89.4 61.0 89.2  
 0.0 65.0 88.9 73.0 88.6 81.0 88.6 89.0 87.6 97.0 87.4105.0 87.4  
 0.0113.0 87.3121.0 87.3129.0 87.2137.0 86.9145.0 86.5153.0 86.7  
 0.0161.0 87.1169.0 86.7177.0 86.6185.0 86.6190.0 87.1192.0 88.3  
 0.0200.0 88.9212.0 89.3214.0 89.4224.2 90.4226.5 92.9236.3 93.2  
 NS 0.0 1.2 1.2 1.2 2.1 2.3 .1 2.3  
 NS 0.0 .09 2.3 .045 2.3 .15 2.3 2.3 2.3 2.3  
 NS 0.0 2.3 2.3 2.3 2.3 2.3 2.3  
 NS 0.0 2.4 2.4 2.4 2.3 2.3 2.3  
 NS 0.0 2.3 2.3 2.3 2.3 1.2 1.2  
 WSL 0.0 88.70 88.77 89.04 89.25 89.36 89.42  
 WSL 0.0 89.56 89.69 89.81 89.91 89.99 90.08  
 WSL 0.0 90.16 90.23 90.30 90.36 90.42 90.47  
 WSL 0.0 90.53 90.58 90.63 90.68 90.72 90.77  
 WSL 0.0 90.81 90.89 90.97 91.11 91.22 91.29  
 CAL1 0.0 89.37 115.4  
 VEL1 0.0 0.00 0.01 0.05 0.45 0.05 0.29 0.14 0.30  
 VEL1 0.0 0.19 0.51 0.47 0.40 0.47 0.29 0.60 0.63 0.46 0.59 0.35 0.44  
 VEL1 0.0 0.18 0.05 0.00  
 CAL2 0.0 91.29 959.1  
 VEL2 0.0  
 VEL2 0.0  
 VEL2 0.0  
 CAL3 0.0 89.13 147.4  
 VEL3 0.0  
 VEL3 0.0  
 VEL3 0.0  
 ENDJ





Run LOW  
 IOC 1100000100001000101000

TRANSECT 3

QARD 45.0  
 QARD 50.0  
 QARD 75.0  
 QARD 100.0  
 QARD 115.4  
 QARD 125.0  
 QARD 147.4  
 QARD 175.0  
 QARD 200.0  
 QARD 225.0  
 QARD 250.0  
 QARD 275.0  
 QARD 300.0  
 QARD 325.0  
 QARD 350.0  
 QARD 375.0  
 QARD 400.0  
 QARD 425.0  
 QARD 450.0  
 QARD 475.0  
 QARD 500.0  
 QARD 525.0  
 QARD 550.0  
 QARD 575.0  
 QARD 600.0  
 QARD 650.0  
 QARD 700.0  
 QARD 800.0  
 QARD 900.0  
 QARD 959.1  
 XSEC 0.0 0.0 1.0 86.46 0.00010  
 0.0 1.0 91.3 22.0 92.3 24.0 91.4 29.5 90.5 31.2 89.4 34.0 88.4  
 0.0 39.0 87.4 44.0 86.6 49.0 85.8 54.0 85.4 59.0 85.0 64.0 84.9  
 0.0 69.0 85.0 74.0 84.9 79.0 84.9 84.0 84.6 89.0 84.9 94.0 85.1  
 0.0 99.0 85.3104.0 85.5109.0 85.6114.0 86.2119.0 87.1124.0 87.4  
 0.0128.0 88.4129.0 89.4129.5 89.3145.0 92.4149.7 93.7  
 NS 0.0 1.2 1.2 1.2 1.2 2.1 .20 2.3  
 NS 0.0 .15 2.3 2.3 2.3 2.3 2.3 2.3  
 NS 0.0 .090 2.3 2.3 4.2 4.2 4.2 4.2  
 NS 0.0 4.2 4.2 4.2 2.3 2.3 2.3  
 NS 0.0 0.25 2.3 2.3 1.2 2.1 2.1  
 WSL 0.0 88.73 88.80 89.08 89.28 89.39 89.45  
 WSL 0.0 89.58 89.72 89.83 89.93 90.02 90.10  
 WSL 0.0 90.18 90.25 90.32 90.38 90.44 90.49  
 WSL 0.0 90.55 90.60 90.65 90.70 90.74 90.79  
 WSL 0.0 90.83 90.91 90.98 91.12 91.23 91.30  
 CAL1 0.0 89.38 115.4  
 VEL1 0.0 0.00-0.11 0.08 0.19 0.26 0.30 0.40 0.45  
 VEL1 0.0 0.54 0.44 0.46 0.41 0.45 0.40 0.35 0.31 0.28 0.16 0.16 0.12  
 VEL1 0.0 0.01 0.00  
 CAL2 0.0 91.33 959.1  
 VEL2 0.0  
 VEL2 0.0  
 VEL2 0.0  
 CAL3 0.0 89.27 147.4  
 VEL3 0.0  
 VEL3 0.0  
 VEL3 0.0  
 ENDJ

