

ALLEGATO 1

TABELLE RISULTATI DI CALCOLO

*ONDA DI PIENA PRODOTTA DALLA MANOVRA
DEGLI ORGANI DI SCARICO*

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	192	PF 1	57.00	863.00	866.05		866.10	0.99	57.45
Valsessera	192	PF 2	154.00	863.00	868.03		868.11	1.27	121.74
Valsessera	192	PF 3	211.00	863.00	868.84		868.94	1.41	149.85
Valsessera	192	PF 4	817.00	863.00	873.31		873.63	2.52	324.73
Valsessera	192	PF 5	1028.00	863.00	874.26		874.66	2.81	366.20
Valsessera	191	PF 1	57.00	859.27	860.55	860.55	861.06	3.17	17.97
Valsessera	191	PF 2	154.00	859.27	861.51	861.51	862.46	4.33	35.55
Valsessera	191	PF 3	211.00	859.27	861.96	861.96	863.12	4.77	44.27
Valsessera	191	PF 4	817.00	859.27	865.38	865.38	867.89	7.01	116.54
Valsessera	191	PF 5	1028.00	859.27	866.26	866.26	869.11	7.48	137.39
Valsessera	190	PF 1	57.00	850.37	851.98	851.98	852.49	3.17	17.99
Valsessera	190	PF 2	154.00	850.37	852.94	852.94	853.87	4.27	36.03
Valsessera	190	PF 3	211.00	850.37	853.39	853.39	854.51	4.68	45.13
Valsessera	190	PF 4	817.00	850.37	856.62	856.62	858.90	6.68	122.25
Valsessera	190	PF 5	1028.00	850.37	857.45	857.45	860.00	7.07	145.49
Valsessera	189	PF 1	57.00	844.50	846.13	846.13	846.66	3.24	17.61
Valsessera	189	PF 2	154.00	844.50	847.12	847.12	848.09	4.35	35.42
Valsessera	189	PF 3	211.00	844.50	847.59	847.59	848.74	4.77	44.27
Valsessera	189	PF 4	817.00	844.50	850.94	850.94	853.36	6.90	118.49
Valsessera	189	PF 5	1028.00	844.50	851.82	851.82	854.53	7.30	140.90
Valsessera	188	PF 1	57.00	840.00	840.84	840.84	841.24	2.78	20.49
Valsessera	188	PF 2	154.00	840.00	841.58	841.58	842.32	3.82	40.36
Valsessera	188	PF 3	211.00	840.00	841.93	841.93	842.83	4.21	50.07
Valsessera	188	PF 4	817.00	840.00	844.57	844.57	846.60	6.32	129.29
Valsessera	188	PF 5	1028.00	840.00	845.28	845.28	847.59	6.74	152.47
Valsessera	187	PF 1	57.00	832.85	833.88	833.88	834.35	3.03	18.84
Valsessera	187	PF 2	154.00	832.85	834.77	834.77	835.60	4.03	38.17
Valsessera	187	PF 3	211.00	832.85	835.18	835.18	836.17	4.41	47.81
Valsessera	187	PF 4	817.00	832.85	838.07	838.07	840.04	6.23	131.10
Valsessera	187	PF 5	1028.00	832.85	838.77	838.77	841.01	6.63	154.96
Valsessera	186	PF 1	57.00	827.00	828.25	828.25	828.75	3.12	18.25
Valsessera	186	PF 2	154.00	827.00	829.18	829.18	830.06	4.14	37.21
Valsessera	186	PF 3	211.00	827.00	829.62	829.62	830.65	4.51	46.78
Valsessera	186	PF 4	817.00	827.00	832.66	832.66	834.69	6.31	129.44
Valsessera	186	PF 5	1028.00	827.00	833.42	833.42	835.67	6.64	154.77
Valsessera	185	PF 1	57.00	820.00	821.32	821.32	821.84	3.20	17.79
Valsessera	185	PF 2	154.00	820.00	822.31	822.31	823.24	4.26	36.18
Valsessera	185	PF 3	211.00	820.00	822.77	822.77	823.87	4.65	45.41
Valsessera	185	PF 4	817.00	820.00	825.98	825.98	828.14	6.51	125.47
Valsessera	185	PF 5	1028.00	820.00	826.76	826.76	829.18	6.89	149.27
Valsessera	184	PF 1	57.00	810.94	811.86	811.86	812.28	2.87	19.83
Valsessera	184	PF 2	154.00	810.94	812.66	812.66	813.42	3.88	39.65
Valsessera	184	PF 3	211.00	810.94	813.03	813.03	813.95	4.26	49.58
Valsessera	184	PF 4	817.00	810.94	815.71	815.71	817.62	6.11	133.69
Valsessera	184	PF 5	1028.00	810.94	816.41	816.41	818.53	6.46	159.19
Valsessera	183	PF 1	57.00	800.00	801.05	801.05	801.48	2.89	19.70
Valsessera	183	PF 2	154.00	800.00	801.86	801.86	802.63	3.89	39.56
Valsessera	183	PF 3	211.00	800.00	802.23	802.23	803.16	4.27	49.42
Valsessera	183	PF 4	817.00	800.00	804.93	804.93	806.87	6.16	132.66
Valsessera	183	PF 5	1028.00	800.00	805.63	805.63	807.81	6.53	157.38
Valsessera	182	PF 1	57.00	785.00	786.50	786.50	787.00	3.14	18.16
Valsessera	182	PF 2	154.00	785.00	787.45	787.45	788.35	4.20	36.63

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	182	PF 3	211.00	785.00	787.89	787.89	788.96	4.58	46.04
Valsessera	182	PF 4	817.00	785.00	790.97	790.97	793.13	6.51	125.42
Valsessera	182	PF 5	1028.00	785.00	791.75	791.75	794.17	6.89	149.17
Valsessera	181	PF 1	57.00	777.10	778.39	778.39	778.85	3.00	18.97
Valsessera	181	PF 2	154.00	777.10	779.25	779.25	780.08	4.05	38.00
Valsessera	181	PF 3	211.00	777.10	779.65	779.65	780.66	4.45	47.40
Valsessera	181	PF 4	817.00	777.10	782.58	782.58	784.74	6.51	125.42
Valsessera	181	PF 5	1028.00	777.10	783.35	783.35	785.79	6.92	148.60
Valsessera	180	PF 1	57.00	768.05	769.47	769.47	770.01	3.24	17.57
Valsessera	180	PF 2	154.00	768.05	770.49	770.49	771.44	4.32	35.62
Valsessera	180	PF 3	211.00	768.05	770.95	770.95	772.09	4.73	44.63
Valsessera	180	PF 4	817.00	768.05	774.28	774.28	776.55	6.66	122.59
Valsessera	180	PF 5	1028.00	768.05	775.13	775.13	777.64	7.02	146.44
Valsessera	179	PF 1	57.00	760.11	761.56	761.56	762.06	3.13	18.23
Valsessera	179	PF 2	154.00	760.11	762.51	762.51	763.33	4.01	38.37
Valsessera	179	PF 3	211.00	760.11	762.91	762.91	763.88	4.38	48.15
Valsessera	179	PF 4	817.00	760.11	765.74	765.74	767.72	6.23	131.13
Valsessera	179	PF 5	1028.00	760.11	766.48	766.48	768.67	6.56	156.74
Valsessera	178	PF 1	57.00	757.00	758.16	758.16	758.53	2.72	20.92
Valsessera	178	PF 2	154.00	757.00	758.86	758.86	759.56	3.71	41.54
Valsessera	178	PF 3	211.00	757.00	759.19	759.19	760.04	4.07	51.80
Valsessera	178	PF 4	817.00	757.00	761.67	761.67	763.47	5.94	137.45
Valsessera	178	PF 5	1028.00	757.00	762.31	762.31	764.34	6.32	162.62
Valsessera	177	PF 1	57.00	749.89	750.89	750.89	751.28	2.77	20.55
Valsessera	177	PF 2	154.00	749.89	751.63	751.63	752.33	3.71	41.55
Valsessera	177	PF 3	211.00	749.89	751.97	751.97	752.80	4.05	52.16
Valsessera	177	PF 4	817.00	749.89	754.38	754.38	756.09	5.80	140.94
Valsessera	177	PF 5	1028.00	749.89	754.98	754.98	756.93	6.19	166.16
Valsessera	176	PF 1	57.00	736.68	737.97	737.97	738.47	3.12	18.24
Valsessera	176	PF 2	154.00	736.68	738.91	738.91	739.80	4.19	36.78
Valsessera	176	PF 3	211.00	736.68	739.34	739.34	740.41	4.57	46.13
Valsessera	176	PF 4	817.00	736.68	742.41	742.41	744.61	6.57	124.40
Valsessera	176	PF 5	1028.00	736.68	743.20	743.20	745.67	6.96	147.67
Valsessera	175	PF 1	57.00	724.89	726.18	726.18	726.66	3.08	18.51
Valsessera	175	PF 2	154.00	724.89	727.08	727.08	727.97	4.17	36.89
Valsessera	175	PF 3	211.00	724.89	727.51	727.51	728.58	4.58	46.04
Valsessera	175	PF 4	817.00	724.89	730.62	730.62	732.92	6.73	121.42
Valsessera	175	PF 5	1028.00	724.89	731.43	731.43	734.05	7.17	143.39
Valsessera	174	PF 1	57.00	719.00	720.61	720.61	721.14	3.22	17.73
Valsessera	174	PF 2	154.00	719.00	721.61	721.61	722.55	4.30	35.77
Valsessera	174	PF 3	211.00	719.00	722.07	722.07	723.19	4.71	44.82
Valsessera	174	PF 4	817.00	719.00	725.33	725.33	727.61	6.68	122.27
Valsessera	174	PF 5	1028.00	719.00	726.19	726.19	728.70	7.02	146.34
Valsessera	173	PF 1	57.00	706.50	707.54	707.54	707.95	2.84	20.11
Valsessera	173	PF 2	154.00	706.50	708.31	708.31	709.06	3.82	40.28
Valsessera	173	PF 3	211.00	706.50	708.67	708.67	709.56	4.19	50.41
Valsessera	173	PF 4	817.00	706.50	711.26	711.26	713.12	6.04	135.17
Valsessera	173	PF 5	1028.00	706.50	711.90	711.90	714.03	6.47	158.82
Valsessera	172	PF 1	57.00	700.00	701.26	701.26	701.67	2.84	20.09
Valsessera	172	PF 2	154.00	700.00	702.03	702.03	702.77	3.82	40.27
Valsessera	172	PF 3	211.00	700.00	702.39	702.39	703.28	4.19	50.41
Valsessera	172	PF 4	817.00	700.00	704.99	704.99	706.82	6.00	136.26

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	172	PF 5	1028.00	700.00	705.66	705.66	707.71	6.34	162.08
Valsessera	171	PF 1	57.00	695.00	696.60	696.60	697.10	3.13	18.22
Valsessera	171	PF 2	154.00	695.00	697.54	697.54	698.41	4.14	37.19
Valsessera	171	PF 3	211.00	695.00	697.97	697.97	699.00	4.50	46.88
Valsessera	171	PF 4	817.00	695.00	700.96	700.96	703.08	6.46	126.54
Valsessera	171	PF 5	1028.00	695.00	701.72	701.72	704.12	6.86	149.82
Valsessera	170	PF 1	57.00	690.07	691.38	691.38	691.86	3.07	18.58
Valsessera	170	PF 2	154.00	690.07	692.28	692.28	693.16	4.16	37.06
Valsessera	170	PF 3	211.00	690.07	692.70	692.70	693.76	4.56	46.27
Valsessera	170	PF 4	817.00	690.07	695.99	695.79	698.03	6.32	129.31
Valsessera	170	PF 5	1028.00	690.07	698.86		699.97	4.67	219.90
Valsessera	169	PF 1	57.00	684.85	686.40	686.31	686.82	2.87	19.86
Valsessera	169	PF 2	154.00	684.85	688.20		688.58	2.73	56.49
Valsessera	169	PF 3	211.00	684.85	689.06		689.45	2.77	76.21
Valsessera	169	PF 4	817.00	684.85	696.78		697.12	2.56	319.07
Valsessera	169	PF 5	1028.00	684.85	699.22		699.52	2.43	423.19
Valsessera	168.6	PF 1	57.00	683.90	686.57	685.37	686.67	1.37	41.48
Valsessera	168.6	PF 2	154.00	683.90	688.30	686.33	688.48	1.90	81.12
Valsessera	168.6	PF 3	211.00	683.90	689.15	686.77	689.37	2.05	102.76
Valsessera	168.6	PF 4	817.00	683.90	696.83	689.91	697.08	2.20	371.32
Valsessera	168.6	PF 5	1028.00	683.90	699.26	690.72	699.49	2.14	481.34
Valsessera	168.5		Bridge						
Valsessera	168.4	PF 1	57.00	683.90	685.37	685.37	685.88	3.16	18.06
Valsessera	168.4	PF 2	154.00	683.90	686.33	686.33	687.24	4.22	36.48
Valsessera	168.4	PF 3	211.00	683.90	686.77	686.77	687.85	4.60	45.82
Valsessera	168.4	PF 4	817.00	683.90	689.91	689.91	692.15	6.63	123.19
Valsessera	168.4	PF 5	1028.00	683.90	690.72	690.72	693.25	7.05	145.79
Valsessera	168.3	PF 1	57.00	682.95	684.43	684.43	684.93	3.13	18.20
Valsessera	168.3	PF 2	154.00	682.95	685.37	685.37	686.25	4.15	37.11
Valsessera	168.3	PF 3	211.00	682.95	685.79	685.79	686.85	4.54	46.43
Valsessera	168.3	PF 4	817.00	682.95	688.88	688.88	691.03	6.49	125.88
Valsessera	168.3	PF 5	1028.00	682.95	689.67	689.67	692.07	6.85	150.03
Valsessera	168	PF 1	57.00	682.00	683.40	683.40	683.87	3.04	18.76
Valsessera	168	PF 2	154.00	682.00	684.28	684.28	685.13	4.09	37.67
Valsessera	168	PF 3	211.00	682.00	684.70	684.70	685.71	4.47	47.20
Valsessera	168	PF 4	817.00	682.00	687.66	687.66	689.76	6.42	127.34
Valsessera	168	PF 5	1028.00	682.00	688.41	688.41	690.78	6.82	150.73
Valsessera	167	PF 1	57.00	679.40	680.71	680.71	681.18	3.04	18.72
Valsessera	167	PF 2	154.00	679.40	681.60	681.60	682.44	4.05	38.04
Valsessera	167	PF 3	211.00	679.40	682.01	682.01	683.00	4.41	47.87
Valsessera	167	PF 4	817.00	679.40	684.88	684.88	686.84	6.19	131.99
Valsessera	167	PF 5	1028.00	679.40	685.60	685.60	687.77	6.53	157.31
Valsessera	166	PF 1	57.00	673.80	675.11	675.11	675.63	3.19	17.88
Valsessera	166	PF 2	154.00	673.80	676.09	676.09	676.99	4.19	36.80
Valsessera	166	PF 3	211.00	673.80	676.54	676.54	677.59	4.53	46.53
Valsessera	166	PF 4	817.00	673.80	679.56	679.56	681.48	6.13	133.29
Valsessera	166	PF 5	1028.00	673.80	680.26	680.26	682.41	6.49	158.51
Valsessera	165	PF 1	57.00	667.90	669.22	669.22	669.66	2.94	19.37
Valsessera	165	PF 2	154.00	667.90	670.04	670.04	670.84	3.96	38.90
Valsessera	165	PF 3	211.00	667.90	670.43	670.43	671.38	4.33	48.77
Valsessera	165	PF 4	817.00	667.90	673.22	673.22	675.19	6.22	131.28

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	165	PF 5	1028.00	667.90	673.93	673.93	676.15	6.60	155.80
Valsessera	164	PF 1	57.00	661.30	662.56	662.56	663.04	3.06	18.63
Valsessera	164	PF 2	154.00	661.30	663.47	663.47	664.30	4.05	38.03
Valsessera	164	PF 3	211.00	661.30	663.88	663.88	664.87	4.40	47.92
Valsessera	164	PF 4	817.00	661.30	666.71	666.71	668.75	6.33	129.12
Valsessera	164	PF 5	1028.00	661.30	667.43	667.43	669.75	6.74	152.53
Valsessera	163	PF 1	57.00	653.95	655.32	655.32	655.76	2.94	19.36
Valsessera	163	PF 2	154.00	653.95	656.14	656.14	656.91	3.89	39.62
Valsessera	163	PF 3	211.00	653.95	656.51	656.51	657.44	4.27	49.46
Valsessera	163	PF 4	817.00	653.95	659.23	659.23	661.11	6.06	134.74
Valsessera	163	PF 5	1028.00	653.95	659.92	659.92	662.01	6.40	160.51
Valsessera	162.6	PF 1	57.00	649.72	651.29	651.09	651.60	2.48	22.99
Valsessera	162.6	PF 2	154.00	649.72	652.19	651.98	652.80	3.47	44.39
Valsessera	162.6	PF 3	211.00	649.72	652.63	652.36	653.35	3.77	55.91
Valsessera	162.6	PF 4	817.00	649.72	656.91	655.12	657.74	4.04	201.98
Valsessera	162.6	PF 5	1028.00	649.72	658.15	655.82	658.97	4.01	256.56
Valsessera	162.5	Bridge							
Valsessera	162.4	PF 1	57.00	649.72	651.09	651.09	651.56	3.03	18.81
Valsessera	162.4	PF 2	154.00	649.72	651.98	651.98	652.77	3.95	38.98
Valsessera	162.4	PF 3	211.00	649.72	652.36	652.36	653.31	4.32	48.89
Valsessera	162.4	PF 4	817.00	649.72	655.12	655.12	657.02	6.11	133.69
Valsessera	162.4	PF 5	1028.00	649.72	655.82	655.82	657.95	6.46	159.02
Valsessera	162.3	PF 1	57.00	648.67	650.02	650.02	650.50	3.05	18.68
Valsessera	162.3	PF 2	154.00	648.67	650.92	650.92	651.73	3.99	38.62
Valsessera	162.3	PF 3	211.00	648.67	651.32	651.32	652.28	4.33	48.76
Valsessera	162.3	PF 4	817.00	648.67	654.08	654.08	656.00	6.14	133.03
Valsessera	162.3	PF 5	1028.00	648.67	654.80	654.80	656.93	6.47	158.92
Valsessera	162	PF 1	57.00	643.38	644.67	644.67	645.17	3.13	18.20
Valsessera	162	PF 2	154.00	643.38	645.62	645.62	646.47	4.09	37.69
Valsessera	162	PF 3	211.00	643.38	646.05	646.05	647.04	4.42	47.71
Valsessera	162	PF 4	817.00	643.38	648.94	648.94	650.88	6.17	132.43
Valsessera	162	PF 5	1028.00	643.38	649.71	649.71	651.80	6.42	160.24
Valsessera	161	PF 1	57.00	638.85	640.12	640.12	640.61	3.09	18.43
Valsessera	161	PF 2	154.00	638.85	641.04	641.04	641.91	4.15	37.15
Valsessera	161	PF 3	211.00	638.85	641.47	641.47	642.51	4.53	46.55
Valsessera	161	PF 4	817.00	638.85	644.52	644.52	646.63	6.43	127.12
Valsessera	161	PF 5	1028.00	638.85	645.30	645.30	647.65	6.79	151.34
Valsessera	160	PF 1	57.00	631.70	632.63	632.63	633.02	2.77	20.60
Valsessera	160	PF 2	154.00	631.70	633.37	633.37	634.07	3.71	41.49
Valsessera	160	PF 3	211.00	631.70	633.70	633.70	634.56	4.09	51.54
Valsessera	160	PF 4	817.00	631.70	636.20	636.20	638.08	6.08	134.44
Valsessera	160	PF 5	1028.00	631.70	636.85	636.85	638.99	6.48	158.61
Valsessera	159	PF 1	57.00	630.10	631.12	631.12	631.56	2.92	19.53
Valsessera	159	PF 2	154.00	630.10	631.94	631.94	632.72	3.90	39.45
Valsessera	159	PF 3	211.00	630.10	632.32	632.32	633.25	4.27	49.36
Valsessera	159	PF 4	817.00	630.10	635.05	635.05	636.97	6.13	133.33
Valsessera	159	PF 5	1028.00	630.10	635.76	635.76	637.89	6.46	159.23
Valsessera	158	PF 1	57.00	627.77	628.85	628.85	629.29	2.92	19.49
Valsessera	158	PF 2	154.00	627.77	629.68	629.68	630.46	3.93	39.18
Valsessera	158	PF 3	211.00	627.77	630.06	630.06	631.00	4.31	49.01
Valsessera	158	PF 4	817.00	627.77	632.90	632.90	634.67	5.89	138.65

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	158	PF 5	1028.00	627.77	633.53	633.53	635.53	6.27	163.92
Valsessera	157	PF 1	57.00	625.70	626.83	626.83	627.28	2.99	19.07
Valsessera	157	PF 2	154.00	625.70	627.69	627.69	628.51	4.03	38.24
Valsessera	157	PF 3	211.00	625.70	628.09	628.09	629.08	4.40	47.94
Valsessera	157	PF 4	817.00	625.70	630.99	630.99	632.96	6.22	131.34
Valsessera	157	PF 5	1028.00	625.70	631.71	631.71	633.91	6.57	156.43
Valsessera	156	PF 1	57.00	624.20	625.26	625.26	625.71	2.98	19.15
Valsessera	156	PF 2	154.00	624.20	626.12	626.12	626.91	3.95	39.03
Valsessera	156	PF 3	211.00	624.20	626.51	626.51	627.45	4.29	49.23
Valsessera	156	PF 4	817.00	624.20	629.15	629.15	630.85	5.79	141.15
Valsessera	156	PF 5	1028.00	624.20	629.79	629.79	631.67	6.09	168.90
Valsessera	155	PF 1	57.00	620.48	621.41	621.41	621.83	2.87	19.86
Valsessera	155	PF 2	154.00	620.48	622.20	622.20	622.96	3.86	39.87
Valsessera	155	PF 3	211.00	620.48	622.57	622.57	623.48	4.23	49.84
Valsessera	155	PF 4	817.00	620.48	625.23	625.23	627.12	6.09	134.24
Valsessera	155	PF 5	1028.00	620.48	626.05	626.05	627.96	6.12	167.92
Valsessera	154	PF 1	57.00	616.35	617.54	617.54	618.02	3.07	18.60
Valsessera	154	PF 2	154.00	616.35	618.45	618.45	619.29	4.07	37.87
Valsessera	154	PF 3	211.00	616.35	618.86	618.86	619.86	4.43	47.60
Valsessera	154	PF 4	817.00	616.35	621.61	621.61	623.47	6.04	135.16
Valsessera	154	PF 5	1028.00	616.35	622.29	622.29	624.37	6.39	160.77
Valsessera	153	PF 1	57.00	614.21	615.33	615.33	615.79	3.00	19.01
Valsessera	153	PF 2	154.00	614.21	616.20	616.20	617.01	4.00	38.54
Valsessera	153	PF 3	211.00	614.21	616.59	616.59	617.57	4.37	48.26
Valsessera	153	PF 4	817.00	614.21	619.42	619.42	621.41	6.25	130.63
Valsessera	153	PF 5	1028.00	614.21	620.16	620.16	622.37	6.60	155.82
Valsessera	152	PF 1	57.00	607.83	608.97	608.97	609.39	2.87	19.83
Valsessera	152	PF 2	154.00	607.83	609.77	609.77	610.53	3.86	39.85
Valsessera	152	PF 3	211.00	607.83	610.14	610.14	611.05	4.22	49.97
Valsessera	152	PF 4	817.00	607.83	612.79	612.79	614.62	5.99	136.30
Valsessera	152	PF 5	1028.00	607.83	613.46	613.46	615.51	6.34	162.02
Valsessera	151	PF 1	57.00	604.80	605.83	605.83	606.24	2.84	20.05
Valsessera	151	PF 2	154.00	604.80	606.61	606.61	607.35	3.82	40.35
Valsessera	151	PF 3	211.00	604.80	606.96	606.96	607.86	4.19	50.36
Valsessera	151	PF 4	817.00	604.80	609.57	609.57	611.42	6.02	135.74
Valsessera	151	PF 5	1028.00	604.80	610.24	610.24	612.31	6.37	161.49
Valsessera	150	PF 1	57.00	598.88	599.92		600.21	2.41	23.65
Valsessera	150	PF 2	154.00	598.88	600.75		601.28	3.23	47.70
Valsessera	150	PF 3	211.00	598.88	601.09		601.76	3.64	57.89
Valsessera	150	PF 4	817.00	598.88	603.38	603.38	605.28	6.10	133.98
Valsessera	150	PF 5	1028.00	598.88	604.07	604.07	606.20	6.47	158.91
Valsessera	149	PF 1	57.00	593.45	594.44	594.44	594.87	2.88	19.76
Valsessera	149	PF 2	154.00	593.45	595.24	595.24	596.01	3.88	39.70
Valsessera	149	PF 3	211.00	593.45	595.62	595.62	596.53	4.24	49.77
Valsessera	149	PF 4	817.00	593.45	598.25	598.25	600.20	6.19	131.94
Valsessera	149	PF 5	1028.00	593.45	600.33		601.58	4.94	208.30
Valsessera	148	PF 1	57.00	590.41	591.37	591.37	591.73	2.66	21.40
Valsessera	148	PF 2	154.00	590.41	592.05	592.05	592.72	3.64	42.32
Valsessera	148	PF 3	211.00	590.41	592.37	592.37	593.18	4.01	52.66
Valsessera	148	PF 4	817.00	590.41	598.04		598.47	2.93	278.72
Valsessera	148	PF 5	1028.00	590.41	600.86		601.17	2.44	421.22

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	147.8	PF 1	57.00	589.36	590.72	590.33	590.93	2.02	28.18
Valsessera	147.8	PF 2	154.00	589.36	591.79	591.16	592.20	2.83	54.35
Valsessera	147.8	PF 3	211.00	589.36	592.28	591.56	592.78	3.13	67.47
Valsessera	147.8	PF 4	817.00	589.36	598.05	594.33	598.43	2.74	298.41
Valsessera	147.8	PF 5	1028.00	589.36	600.87	594.98	601.15	2.33	441.93
Valsessera	147.7		Bridge						
Valsessera	147.6	PF 1	57.00	589.36	590.33	590.33	590.77	2.95	19.35
Valsessera	147.6	PF 2	154.00	589.36	591.16	591.16	591.97	3.98	38.65
Valsessera	147.6	PF 3	211.00	589.36	591.56	591.56	592.53	4.36	48.40
Valsessera	147.6	PF 4	817.00	589.36	594.33	594.33	596.13	5.94	137.62
Valsessera	147.6	PF 5	1028.00	589.36	594.98	594.98	597.00	6.30	163.18
Valsessera	147.5	PF 1	57.00	588.41	589.41		589.75	2.57	22.18
Valsessera	147.5	PF 2	154.00	588.41	590.73		591.13	2.80	54.94
Valsessera	147.5	PF 3	211.00	588.41	591.30		591.76	3.01	70.16
Valsessera	147.5	PF 4	817.00	588.41	594.43		595.64	4.85	168.33
Valsessera	147.5	PF 5	1028.00	588.41	595.15		596.55	5.25	195.89
Valsessera	147	PF 1	57.00	585.40	586.28	586.28	586.70	2.88	19.80
Valsessera	147	PF 2	154.00	585.40	587.09	587.07	587.85	3.86	39.86
Valsessera	147	PF 3	211.00	585.40	587.65		588.41	3.84	54.92
Valsessera	147	PF 4	817.00	585.40	591.28		592.45	4.80	170.15
Valsessera	147	PF 5	1028.00	585.40	592.16		593.47	5.07	202.67
Valsessera	146	PF 1	57.00	583.06	584.42		584.74	2.50	22.77
Valsessera	146	PF 2	154.00	583.06	585.64		586.15	3.16	48.70
Valsessera	146	PF 3	211.00	583.06	586.09		586.73	3.54	59.54
Valsessera	146	PF 4	817.00	583.06	589.06		590.70	5.66	144.27
Valsessera	146	PF 5	1028.00	583.06	589.75	589.28	591.69	6.17	166.63
Valsessera	145	PF 1	57.00	580.21	581.29	581.29	581.81	3.18	17.91
Valsessera	145	PF 2	154.00	580.21	582.50		583.24	3.80	40.51
Valsessera	145	PF 3	211.00	580.21	583.17		583.94	3.90	54.05
Valsessera	145	PF 4	817.00	580.21	586.80		588.45	5.69	143.64
Valsessera	145	PF 5	1028.00	580.21	587.54	586.88	589.51	6.22	165.37
Valsessera	144	PF 1	57.00	577.74	579.22	579.22	579.76	3.23	17.63
Valsessera	144	PF 2	154.00	577.74	580.24	580.24	581.10	4.10	37.53
Valsessera	144	PF 3	211.00	577.74	580.68	580.68	581.67	4.41	47.82
Valsessera	144	PF 4	817.00	577.74	584.14		585.57	5.31	153.98
Valsessera	144	PF 5	1028.00	577.74	584.99		586.57	5.56	185.03
Valsessera	143	PF 1	57.00	575.30	576.59	576.59	577.10	3.16	18.06
Valsessera	143	PF 2	154.00	575.30	577.55	577.55	578.45	4.20	36.64
Valsessera	143	PF 3	211.00	575.30	577.99	577.99	579.06	4.58	46.06
Valsessera	143	PF 4	817.00	575.30	581.06	581.06	583.29	6.62	123.38
Valsessera	143	PF 5	1028.00	575.30	581.88	581.88	584.37	6.99	147.04
Valsessera	142	PF 1	57.00	570.00	571.16	571.16	571.62	2.99	19.04
Valsessera	142	PF 2	154.00	570.00	572.02	572.02	572.86	4.04	38.08
Valsessera	142	PF 3	211.00	570.00	572.43	572.43	573.43	4.43	47.59
Valsessera	142	PF 4	817.00	570.00	575.32	575.32	577.46	6.47	126.32
Valsessera	142	PF 5	1028.00	570.00	576.07	576.07	578.50	6.91	148.86
Valsessera	141	PF 1	57.00	564.48	565.73	565.73	566.17	2.95	19.32
Valsessera	141	PF 2	154.00	564.48	566.56	566.56	567.36	3.96	38.87
Valsessera	141	PF 3	211.00	564.48	566.95	566.95	567.91	4.34	48.63
Valsessera	141	PF 4	817.00	564.48	569.73	569.73	571.72	6.25	130.68
Valsessera	141	PF 5	1028.00	564.48	570.45	570.45	572.70	6.64	154.74

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	140	PF 1	57.00	562.67	564.06	564.06	564.54	3.08	18.51
Valsessera	140	PF 2	154.00	562.67	564.97	564.97	565.82	4.08	37.71
Valsessera	140	PF 3	211.00	562.67	565.38	565.38	565.40	4.47	47.18
Valsessera	140	PF 4	817.00	562.67	568.34	568.34	570.48	6.47	126.25
Valsessera	140	PF 5	1028.00	562.67	569.13	569.13	571.51	6.83	150.49
Valsessera	139.3	PF 1	57.00	558.99	561.48	560.38	561.57	1.38	41.38
Valsessera	139.3	PF 2	154.00	558.99	564.27	561.29	564.36	1.36	112.89
Valsessera	139.3	PF 3	211.00	558.99	564.74	561.71	564.88	1.67	126.72
Valsessera	139.3	PF 4	817.00	558.99	568.06	564.72	568.67	3.46	236.00
Valsessera	139.3	PF 5	1028.00	558.99	568.90	565.47	569.65	3.84	267.39
Valsessera	139.2		Bridge						
Valsessera	139.1	PF 1	57.00	558.99	560.38	560.38	560.87	3.09	18.42
Valsessera	139.1	PF 2	154.00	558.99	561.29	561.29	562.16	4.12	37.34
Valsessera	139.1	PF 3	211.00	558.99	561.71	561.71	562.75	4.51	46.79
Valsessera	139.1	PF 4	817.00	558.99	564.72	564.72	566.86	6.48	126.00
Valsessera	139.1	PF 5	1028.00	558.99	565.47	565.47	567.91	6.92	148.63
Valsessera	139	PF 1	57.00	558.07	559.41	559.41	559.89	3.07	18.57
Valsessera	139	PF 2	154.00	558.07	560.31	560.31	561.18	4.13	37.29
Valsessera	139	PF 3	211.00	558.07	560.74	560.74	561.78	4.51	46.79
Valsessera	139	PF 4	817.00	558.07	563.75	563.75	565.89	6.48	126.02
Valsessera	139	PF 5	1028.00	558.07	564.51	564.51	566.93	6.89	149.18
Valsessera	138	PF 1	57.00	555.29	556.34	556.34	556.79	2.99	19.09
Valsessera	138	PF 2	154.00	555.29	557.20	557.20	558.02	4.02	38.28
Valsessera	138	PF 3	211.00	555.29	557.60	557.60	558.59	4.40	47.91
Valsessera	138	PF 4	817.00	555.29	560.49	560.49	562.51	6.29	129.89
Valsessera	138	PF 5	1028.00	555.29	561.24	561.24	563.49	6.64	154.89
Valsessera	137	PF 1	57.00	553.12	554.28	554.28	554.73	2.94	19.36
Valsessera	137	PF 2	154.00	553.12	555.11	555.11	555.92	3.99	38.64
Valsessera	137	PF 3	211.00	553.12	555.50	555.50	556.48	4.38	48.22
Valsessera	137	PF 4	817.00	553.12	558.36	558.36	560.42	6.35	128.64
Valsessera	137	PF 5	1028.00	553.12	559.12	559.12	561.42	6.71	153.25
Valsessera	136	PF 1	57.00	548.36	549.49	549.49	549.86	2.67	21.33
Valsessera	136	PF 2	154.00	548.36	550.17	550.17	550.83	3.59	42.93
Valsessera	136	PF 3	211.00	548.36	550.49	550.49	551.28	3.93	53.75
Valsessera	136	PF 4	817.00	548.36	552.77	552.77	554.44	5.74	142.40
Valsessera	136	PF 5	1028.00	548.36	553.35	553.35	555.26	6.13	167.79
Valsessera	135	PF 1	57.00	545.87	546.81	546.81	547.13	2.52	22.61
Valsessera	135	PF 2	154.00	545.87	547.42	547.42	548.02	3.43	44.84
Valsessera	135	PF 3	211.00	545.87	547.70	547.70	548.43	3.79	55.71
Valsessera	135	PF 4	817.00	545.87	549.83	549.83	551.44	5.63	145.08
Valsessera	135	PF 5	1028.00	545.87	550.40	550.40	552.23	6.00	171.42
Valsessera	134	PF 1	57.00	542.86	543.80	543.80	544.19	2.79	20.41
Valsessera	134	PF 2	154.00	542.86	544.55	544.55	545.26	3.72	41.36
Valsessera	134	PF 3	211.00	542.86	544.90	544.90	545.74	4.06	51.95
Valsessera	134	PF 4	817.00	542.86	547.35	547.35	549.09	5.85	139.69
Valsessera	134	PF 5	1028.00	542.86	547.98	547.98	549.94	6.20	165.71
Valsessera	133	PF 1	57.00	540.91	542.11	542.11	542.49	2.74	20.81
Valsessera	133	PF 2	154.00	540.91	542.83	542.83	543.52	3.68	41.82
Valsessera	133	PF 3	211.00	540.91	543.17	543.17	544.00	4.03	52.31
Valsessera	133	PF 4	817.00	540.91	545.55	545.55	547.27	5.81	140.72
Valsessera	133	PF 5	1028.00	540.91	546.18	546.18	548.10	6.13	167.73

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	132	PF 1	57.00	537.44	538.37	538.37	538.77	2.77	20.57
Valsessera	132	PF 2	154.00	537.44	539.11	539.11	539.82	3.72	41.42
Valsessera	132	PF 3	211.00	537.44	539.46	539.46	540.30	4.07	51.83
Valsessera	132	PF 4	817.00	537.44	541.91	541.91	543.63	5.82	140.34
Valsessera	132	PF 5	1028.00	537.44	542.53	542.53	544.47	6.17	166.54
Valsessera	131	PF 1	57.00	534.93	535.93	535.93	536.32	2.76	20.63
Valsessera	131	PF 2	154.00	534.93	536.66	536.66	537.38	3.76	40.94
Valsessera	131	PF 3	211.00	534.93	537.00	537.00	537.87	4.13	51.04
Valsessera	131	PF 4	817.00	534.93	539.56	539.56	541.38	5.98	136.65
Valsessera	131	PF 5	1028.00	534.93	540.23	540.23	542.27	6.33	162.44
Valsessera	130	PF 1	57.00	531.45	532.67	532.67	533.06	2.75	20.70
Valsessera	130	PF 2	154.00	531.45	533.40	533.40	534.10	3.72	41.43
Valsessera	130	PF 3	211.00	531.45	533.74	533.74	534.58	4.06	51.93
Valsessera	130	PF 4	817.00	531.45	536.18	536.18	537.89	5.79	141.07
Valsessera	130	PF 5	1028.00	531.45	536.80	536.80	538.72	6.14	167.53
Valsessera	129	PF 1	57.00	529.85	530.95	530.95	531.36	2.84	20.10
Valsessera	129	PF 2	154.00	529.85	531.73	531.73	532.45	3.77	40.82
Valsessera	129	PF 3	211.00	529.85	532.08	532.08	532.95	4.12	51.22
Valsessera	129	PF 4	817.00	529.85	534.60	534.60	536.40	5.95	137.30
Valsessera	129	PF 5	1028.00	529.85	535.26	535.26	537.27	6.28	163.61
Valsessera	128	PF 1	57.00	524.36	525.34	525.34	525.72	2.76	20.69
Valsessera	128	PF 2	154.00	524.36	526.06	526.06	526.77	3.71	41.54
Valsessera	128	PF 3	211.00	524.36	526.40	526.40	527.25	4.07	51.90
Valsessera	128	PF 4	817.00	524.36	528.87	528.87	530.57	5.78	141.40
Valsessera	128	PF 5	1028.00	524.36	529.50	529.50	531.39	6.08	169.09
Valsessera	127	PF 1	57.00	516.55	517.58	517.58	517.98	2.78	20.52
Valsessera	127	PF 2	154.00	516.55	518.32	518.32	519.04	3.75	41.07
Valsessera	127	PF 3	211.00	516.55	518.67	518.67	519.53	4.11	51.37
Valsessera	127	PF 4	817.00	516.55	521.13	521.13	522.78	5.70	143.33
Valsessera	127	PF 5	1028.00	516.55	521.73	521.73	523.58	6.03	170.58
Valsessera	126	PF 1	57.00	512.67	513.74	513.74	514.10	2.66	21.40
Valsessera	126	PF 2	154.00	512.67	514.42	514.42	515.08	3.60	42.75
Valsessera	126	PF 3	211.00	512.67	514.74	514.74	515.53	3.95	53.39
Valsessera	126	PF 4	817.00	512.67	517.04	517.04	518.72	5.74	142.21
Valsessera	126	PF 5	1028.00	512.67	517.64	517.64	519.54	6.10	168.45
Valsessera	125	PF 1	57.00	509.00	510.01	510.01	510.41	2.82	20.23
Valsessera	125	PF 2	154.00	509.00	510.77	510.77	511.50	3.78	40.75
Valsessera	125	PF 3	211.00	509.00	511.13	511.13	512.00	4.13	51.10
Valsessera	125	PF 4	817.00	509.00	513.67	513.67	515.51	6.01	135.90
Valsessera	125	PF 5	1028.00	509.00	514.33	514.33	516.41	6.39	160.99
Valsessera	124	PF 1	57.00	503.67	504.62	504.62	505.02	2.79	20.40
Valsessera	124	PF 2	154.00	503.67	505.38	505.38	506.07	3.68	41.86
Valsessera	124	PF 3	211.00	503.67	505.72	505.72	506.53	3.99	52.84
Valsessera	124	PF 4	817.00	503.67	508.07	508.07	509.63	5.53	147.76
Valsessera	124	PF 5	1028.00	503.67	508.71	508.71	510.37	5.71	180.09
Valsessera	123	PF 1	57.00	500.38	501.28	501.28	501.64	2.67	21.35
Valsessera	123	PF 2	154.00	500.38	501.97	501.97	502.58	3.47	44.32
Valsessera	123	PF 3	211.00	500.38	502.27	502.27	503.00	3.78	55.79
Valsessera	123	PF 4	817.00	500.38	504.36	504.36	505.89	5.47	149.31
Valsessera	123	PF 5	1028.00	500.38	504.91	504.91	506.63	5.80	177.12
Valsessera	122	PF 1	57.00	498.25	499.30	499.30	499.64	2.60	21.89
Valsessera	122	PF 2	154.00	498.25	499.95	499.95	500.59	3.56	43.25

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	122	PF 3	211.00	498.25	500.26	500.26	501.03	3.91	54.01
Valsessera	122	PF 4	817.00	498.25	502.55	502.55	504.07	5.46	149.54
Valsessera	122	PF 5	1028.00	498.25	503.11	503.11	504.80	5.77	178.05
Valsessera	121	PF 1	57.00	495.40	496.43	496.43	496.76	2.56	22.26
Valsessera	121	PF 2	154.00	495.40	497.06	497.06	497.65	3.39	45.37
Valsessera	121	PF 3	211.00	495.40	497.35	497.35	498.05	3.72	56.78
Valsessera	121	PF 4	817.00	495.40	499.36	499.36	500.85	5.40	151.40
Valsessera	121	PF 5	1028.00	495.40	499.89	499.89	501.57	5.73	179.36
Valsessera	120	PF 1	57.00	492.12	493.06	493.06	493.44	2.75	20.70
Valsessera	120	PF 2	154.00	492.12	493.79	493.79	494.47	3.66	42.11
Valsessera	120	PF 3	211.00	492.12	494.13	494.13	494.94	3.99	52.83
Valsessera	120	PF 4	817.00	492.12	496.54	496.54	498.07	5.47	149.49
Valsessera	120	PF 5	1028.00	492.12	497.15	497.15	498.78	5.66	181.49
Valsessera	119	PF 1	57.00	489.62	490.40	490.40	490.79	2.73	20.86
Valsessera	119	PF 2	154.00	489.62	491.46		491.91	2.97	51.82
Valsessera	119	PF 3	211.00	489.62	491.91		492.43	3.19	66.12
Valsessera	119	PF 4	817.00	489.62	493.97	493.93	495.73	5.88	139.01
Valsessera	119	PF 5	1028.00	489.62	494.61	494.61	496.60	6.25	164.46
Valsessera	118	PF 1	57.00	487.96	488.81	488.81	489.15	2.59	22.02
Valsessera	118	PF 2	154.00	487.96	489.45	489.45	490.07	3.49	44.08
Valsessera	118	PF 3	211.00	487.96	489.75	489.75	490.50	3.81	55.31
Valsessera	118	PF 4	817.00	487.96	491.93	491.93	493.47	5.49	148.71
Valsessera	118	PF 5	1028.00	487.96	492.49	492.49	494.22	5.82	176.60
Valsessera	117	PF 1	57.00	486.33	487.11	487.11	487.45	2.58	22.12
Valsessera	117	PF 2	154.00	486.33	487.74	487.74	488.37	3.50	44.01
Valsessera	117	PF 3	211.00	486.33	488.05	488.05	488.80	3.84	54.99
Valsessera	117	PF 4	817.00	486.33	490.23	490.23	491.84	5.62	145.45
Valsessera	117	PF 5	1028.00	486.33	490.81	490.81	492.62	5.96	172.43
Valsessera	116	PF 1	57.00	484.81	485.52	485.52	485.78	2.29	24.92
Valsessera	116	PF 2	154.00	484.81	486.17		486.53	2.67	57.66
Valsessera	116	PF 3	211.00	484.81	486.50		486.90	2.80	75.38
Valsessera	116	PF 4	817.00	484.81	488.21	487.98	489.28	4.58	178.55
Valsessera	116	PF 5	1028.00	484.81	488.55	488.43	489.88	5.12	200.85
Valsessera	115	PF 1	57.00	482.16	483.03	482.80	483.16	1.61	35.46
Valsessera	115	PF 2	154.00	482.16	483.78	483.31	484.01	2.16	71.41
Valsessera	115	PF 3	211.00	482.16	484.15	483.55	484.43	2.34	90.24
Valsessera	115	PF 4	817.00	482.16	487.16	485.37	487.65	3.10	263.13
Valsessera	115	PF 5	1028.00	482.16	488.02	485.86	488.55	3.22	319.48
Valsessera	114.9		Bridge						
Valsessera	114.8	PF 1	57.00	482.16	482.80	482.80	483.07	2.32	24.58
Valsessera	114.8	PF 2	154.00	482.16	483.31	483.31	483.82	3.17	48.57
Valsessera	114.8	PF 3	211.00	482.16	483.55	483.55	484.18	3.50	60.31
Valsessera	114.8	PF 4	817.00	482.16	485.37	485.37	486.77	5.25	155.76
Valsessera	114.8	PF 5	1028.00	482.16	486.00	485.86	487.46	5.35	192.24
Valsessera	114.7	PF 1	57.00	481.47	482.20	482.20	482.51	2.47	23.05
Valsessera	114.7	PF 2	154.00	481.47	482.79	482.79	483.35	3.33	46.20
Valsessera	114.7	PF 3	211.00	481.47	483.06	483.06	483.74	3.67	57.52
Valsessera	114.7	PF 4	817.00	481.47	485.05	485.05	486.53	5.39	151.65
Valsessera	114.7	PF 5	1028.00	481.47	485.59	485.59	487.24	5.70	180.38
Valsessera	114	PF 1	57.00	479.40	481.30		481.35	0.97	58.99
Valsessera	114	PF 2	154.00	479.40	482.25		482.37	1.56	99.02

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	114	PF 3	211.00	479.40	482.61		482.78	1.83	115.20
Valsessera	114	PF 4	817.00	479.40	484.60		485.33	3.78	215.85
Valsessera	114	PF 5	1028.00	479.40	485.10		485.96	4.10	250.57
Valsessera	113	PF 1	57.00	477.12	477.91	477.86	478.20	2.39	23.86
Valsessera	113	PF 2	154.00	477.12	478.67		479.14	3.05	50.41
Valsessera	113	PF 3	211.00	477.12	479.02		479.59	3.34	63.21
Valsessera	113	PF 4	817.00	477.12	481.47		482.75	5.01	163.08
Valsessera	113	PF 5	1028.00	477.12	482.11		483.57	5.34	192.36
Valsessera	112	PF 1	57.00	473.92	475.28		475.42	1.64	34.79
Valsessera	112	PF 2	154.00	473.92	476.43		476.66	2.10	73.34
Valsessera	112	PF 3	211.00	473.92	476.88		477.17	2.37	88.88
Valsessera	112	PF 4	817.00	473.92	479.62		480.56	4.30	189.96
Valsessera	112	PF 5	1028.00	473.92	480.16		481.37	4.87	211.12
Valsessera	111	PF 1	57.00	471.50	472.62		472.77	1.74	32.73
Valsessera	111	PF 2	154.00	471.50	473.30		473.66	2.64	58.36
Valsessera	111	PF 3	211.00	471.50	473.62		474.08	2.99	70.52
Valsessera	111	PF 4	817.00	471.50	475.45	475.39	477.07	5.64	144.88
Valsessera	111	PF 5	1028.00	471.50	475.96	475.96	477.89	6.16	166.84
Valsessera	110	PF 1	57.00	467.32	468.18	468.18	468.50	2.52	22.63
Valsessera	110	PF 2	154.00	467.32	468.78	468.78	469.38	3.42	45.01
Valsessera	110	PF 3	211.00	467.32	469.07	469.07	469.79	3.76	56.14
Valsessera	110	PF 4	817.00	467.32	471.16	471.16	472.70	5.51	148.17
Valsessera	110	PF 5	1028.00	467.32	471.73	471.73	473.45	5.81	176.97
Valsessera	109	PF 1	57.00	464.55	465.35	465.35	465.64	2.39	23.90
Valsessera	109	PF 2	154.00	464.55	465.89	465.89	466.43	3.27	47.09
Valsessera	109	PF 3	211.00	464.55	466.15	466.15	466.81	3.61	58.52
Valsessera	109	PF 4	817.00	464.55	469.02		469.86	4.06	201.43
Valsessera	109	PF 5	1028.00	464.55	470.23		470.97	3.81	269.92
Valsessera	108.7	PF 1	57.00	463.17	464.35	463.94	464.45	1.45	39.26
Valsessera	108.7	PF 2	154.00	463.17	465.20	464.52	465.41	2.02	76.28
Valsessera	108.7	PF 3	211.00	463.17	465.61	464.79	465.86	2.22	95.17
Valsessera	108.7	PF 4	817.00	463.17	469.15	466.76	469.58	2.90	282.06
Valsessera	108.7	PF 5	1028.00	463.17	470.33	467.28	470.76	2.90	355.00
Valsessera	108.6		Bridge						
Valsessera	108.5	PF 1	57.00	463.17	463.94	463.94	464.25	2.45	23.23
Valsessera	108.5	PF 2	154.00	463.17	464.52	464.52	465.08	3.31	46.50
Valsessera	108.5	PF 3	211.00	463.17	464.79	464.79	465.46	3.64	58.02
Valsessera	108.5	PF 4	817.00	463.17	466.76	466.76	468.25	5.41	150.92
Valsessera	108.5	PF 5	1028.00	463.17	467.28	467.28	468.98	5.78	177.99
Valsessera	108.4	PF 1	57.00	462.48	463.23	463.23	463.54	2.46	23.20
Valsessera	108.4	PF 2	154.00	462.48	463.81	463.81	464.37	3.34	46.10
Valsessera	108.4	PF 3	211.00	462.48	464.08	464.08	464.76	3.67	57.52
Valsessera	108.4	PF 4	817.00	462.48	466.06	466.06	467.58	5.45	149.80
Valsessera	108.4	PF 5	1028.00	462.48	466.61	466.61	468.31	5.79	177.56
Valsessera	108	PF 1	57.00	461.10	461.80	461.80	462.10	2.45	23.26
Valsessera	108	PF 2	154.00	461.10	462.37	462.37	462.94	3.35	45.95
Valsessera	108	PF 3	211.00	461.10	462.64	462.64	463.34	3.69	57.17
Valsessera	108	PF 4	817.00	461.10	464.66	464.66	466.20	5.49	148.91
Valsessera	108	PF 5	1028.00	461.10	465.22	465.22	466.94	5.82	176.48
Valsessera	107	PF 1	57.00	458.48	459.48	459.48	459.81	2.51	22.71
Valsessera	107	PF 2	154.00	458.48	460.09	460.09	460.64	3.31	46.53

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	107	PF 3	211.00	458.48	460.35	460.35	461.03	3.64	58.02
Valsessera	107	PF 4	817.00	458.48	462.32	462.32	463.74	5.29	154.36
Valsessera	107	PF 5	1028.00	458.48	462.83	462.83	464.44	5.63	182.75
Valsessera	106	PF 1	57.00	456.41	457.42	457.37	457.74	2.49	22.87
Valsessera	106	PF 2	154.00	456.41	458.29		458.71	2.88	53.44
Valsessera	106	PF 3	211.00	456.41	458.70		459.17	3.05	69.09
Valsessera	106	PF 4	817.00	456.41	461.44		462.41	4.37	186.96
Valsessera	106	PF 5	1028.00	456.41	462.11		463.23	4.70	218.88
Valsessera	105.6	PF 1	57.00	454.38	455.38	455.14	455.57	1.94	29.43
Valsessera	105.6	PF 2	154.00	454.38	456.21	455.80	456.58	2.70	56.96
Valsessera	105.6	PF 3	211.00	454.38	456.59	456.12	457.04	2.99	70.45
Valsessera	105.6	PF 4	817.00	454.38	459.39	458.40	460.37	4.37	186.77
Valsessera	105.6	PF 5	1028.00	454.38	460.24	459.01	461.28	4.51	227.84
Valsessera	105.5		Bridge						
Valsessera	105.4	PF 1	57.00	454.38	455.14	455.14	455.49	2.62	21.73
Valsessera	105.4	PF 2	154.00	454.38	455.80	455.80	456.45	3.58	43.06
Valsessera	105.4	PF 3	211.00	454.38	456.12	456.12	456.90	3.92	53.85
Valsessera	105.4	PF 4	817.00	454.38	458.40	458.40	460.08	5.74	142.39
Valsessera	105.4	PF 5	1028.00	454.38	459.01	459.01	460.89	6.07	169.37
Valsessera	105.3	PF 1	57.00	453.72	454.52	454.52	454.87	2.64	21.63
Valsessera	105.3	PF 2	154.00	453.72	455.19	455.19	455.84	3.56	43.20
Valsessera	105.3	PF 3	211.00	453.72	455.50	455.50	456.28	3.90	54.07
Valsessera	105.3	PF 4	817.00	453.72	457.75	457.75	459.38	5.65	144.52
Valsessera	105.3	PF 5	1028.00	453.72	458.36	458.36	460.16	5.96	172.50
Valsessera	105	PF 1	57.00	452.37	453.19	453.19	453.51	2.51	22.71
Valsessera	105	PF 2	154.00	452.37	453.79	453.79	454.39	3.41	45.20
Valsessera	105	PF 3	211.00	452.37	454.08	454.08	454.79	3.74	56.39
Valsessera	105	PF 4	817.00	452.37	456.15	456.15	457.67	5.46	149.52
Valsessera	105	PF 5	1028.00	452.37	456.68	456.68	458.42	5.85	175.64
Valsessera	104	PF 1	57.00	449.43	450.38	450.04	450.50	1.52	37.53
Valsessera	104	PF 2	154.00	449.43	451.13	450.60	451.38	2.24	68.87
Valsessera	104	PF 3	211.00	449.43	451.47	450.86	451.79	2.51	84.06
Valsessera	104	PF 4	817.00	449.43	453.94	452.82	454.64	3.70	221.05
Valsessera	104	PF 5	1028.00	449.43	454.57	453.31	455.37	3.97	259.18
Valsessera	103.9		Bridge						
Valsessera	103.8	PF 1	57.00	449.43	450.04	450.04	450.34	2.42	23.57
Valsessera	103.8	PF 2	154.00	449.43	450.62	450.60	451.16	3.24	47.51
Valsessera	103.8	PF 3	211.00	449.43	450.92	450.86	451.55	3.51	60.16
Valsessera	103.8	PF 4	817.00	449.43	452.82	452.82	454.22	5.25	155.65
Valsessera	103.8	PF 5	1028.00	449.43	453.31	453.31	454.91	5.59	183.94
Valsessera	103.7	PF 1	57.00	448.87	449.63	449.63	449.96	2.56	22.29
Valsessera	103.7	PF 2	154.00	448.87	450.26	450.26	450.86	3.43	44.89
Valsessera	103.7	PF 3	211.00	448.87	450.56	450.56	451.27	3.75	56.23
Valsessera	103.7	PF 4	817.00	448.87	452.53	452.53	453.94	5.27	154.95
Valsessera	103.7	PF 5	1028.00	448.87	453.04	453.04	454.63	5.59	183.88
Valsessera	103	PF 1	57.00	447.19	448.08		448.31	2.15	26.52
Valsessera	103	PF 2	154.00	447.19	448.69		449.13	2.96	51.95
Valsessera	103	PF 3	211.00	447.19	448.97		449.52	3.29	64.09
Valsessera	103	PF 4	817.00	447.19	451.13	450.79	452.36	4.91	166.30
Valsessera	103	PF 5	1028.00	447.19	451.76		453.12	5.16	199.10

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	102	PF 1	57.00	445.43	446.32	446.27	446.64	2.49	22.93
Valsessera	102	PF 2	154.00	445.43	446.95	446.95	447.61	3.59	42.88
Valsessera	102	PF 3	211.00	445.43	447.27	447.27	448.06	3.93	53.70
Valsessera	102	PF 4	817.00	445.43	449.54	449.54	451.28	5.83	140.17
Valsessera	102	PF 5	1028.00	445.43	450.17	450.17	452.12	6.19	166.14
Valsessera	101	PF 1	57.00	443.93	444.91		445.13	2.07	27.53
Valsessera	101	PF 2	154.00	443.93	445.61		445.97	2.68	57.41
Valsessera	101	PF 3	211.00	443.93	445.93		446.37	2.93	71.91
Valsessera	101	PF 4	817.00	443.93	448.52		449.38	4.11	198.80
Valsessera	101	PF 5	1028.00	443.93	449.28		450.21	4.29	239.55
Valsessera	100	PF 1	57.00	442.31	443.26		443.52	2.24	25.50
Valsessera	100	PF 2	154.00	442.31	443.93		444.52	3.40	45.36
Valsessera	100	PF 3	211.00	442.31	444.21	444.14	444.99	3.91	53.91
Valsessera	100	PF 4	817.00	442.31	446.60	446.60	448.45	6.02	135.72
Valsessera	100	PF 5	1028.00	442.31	447.24	447.24	449.35	6.45	159.39
Valsessera	99	PF 1	57.00	440.95	441.94		442.13	1.92	29.72
Valsessera	99	PF 2	154.00	440.95	442.67		442.99	2.49	61.95
Valsessera	99	PF 3	211.00	440.95	443.00		443.38	2.72	77.57
Valsessera	99	PF 4	817.00	440.95	445.24		446.09	4.09	199.78
Valsessera	99	PF 5	1028.00	440.95	445.78		446.76	4.40	233.56
Valsessera	98	PF 1	57.00	438.94	440.01		440.20	1.93	29.50
Valsessera	98	PF 2	154.00	438.94	440.74		441.15	2.83	54.36
Valsessera	98	PF 3	211.00	438.94	441.05		441.57	3.21	65.67
Valsessera	98	PF 4	817.00	438.94	443.08	443.01	444.59	5.45	149.97
Valsessera	98	PF 5	1028.00	438.94	443.59	443.59	445.35	5.87	175.00
Valsessera	97	PF 1	57.00	437.55	438.45		438.72	2.32	24.61
Valsessera	97	PF 2	154.00	437.55	439.04	439.01	439.62	3.37	45.67
Valsessera	97	PF 3	211.00	437.55	439.31	439.30	440.04	3.78	55.79
Valsessera	97	PF 4	817.00	437.55	441.46	441.46	443.02	5.54	147.57
Valsessera	97	PF 5	1028.00	437.55	442.04	442.04	443.78	5.85	175.63
Valsessera	96	PF 1	57.00	436.32	437.31		437.47	1.74	32.79
Valsessera	96	PF 2	154.00	436.32	438.04		438.35	2.47	62.33
Valsessera	96	PF 3	211.00	436.32	438.36		438.75	2.76	76.44
Valsessera	96	PF 4	817.00	436.32	440.79		441.68	4.19	194.85
Valsessera	96	PF 5	1028.00	436.32	441.40		442.42	4.49	228.87
Valsessera	95	PF 1	57.00	435.30	436.34		436.55	2.00	28.53
Valsessera	95	PF 2	154.00	435.30	437.29		437.56	2.27	67.72
Valsessera	95	PF 3	211.00	435.30	437.73		438.02	2.42	87.02
Valsessera	95	PF 4	817.00	435.30	440.60		441.19	3.40	240.16
Valsessera	95	PF 5	1028.00	435.30	441.25		441.94	3.66	280.58
Valsessera	94	PF 1	57.00	434.29	436.00		436.07	1.20	47.59
Valsessera	94	PF 2	154.00	434.29	437.04		437.22	1.87	82.25
Valsessera	94	PF 3	211.00	434.29	437.43		437.68	2.19	96.50
Valsessera	94	PF 4	817.00	434.29	439.96		440.80	4.08	200.38
Valsessera	94	PF 5	1028.00	434.29	440.44		441.52	4.59	223.80
Valsessera	93	PF 1	57.00	433.31	434.80		434.88	1.26	45.42
Valsessera	93	PF 2	154.00	433.31	435.60		435.80	2.00	77.12
Valsessera	93	PF 3	211.00	433.31	435.92		436.20	2.33	90.71
Valsessera	93	PF 4	817.00	433.31	437.91		438.86	4.31	189.45
Valsessera	93	PF 5	1028.00	433.31	438.24		439.45	4.86	211.59
Valsessera	92	PF 1	57.00	432.30	433.47		433.51	0.99	57.85
Valsessera	92	PF 2	154.00	432.30	434.13		434.25	1.58	97.60

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	92	PF 3	211.00	432.30	434.44		434.60	1.78	118.87
Valsessera	92	PF 4	817.00	432.30	436.25		436.71	3.03	269.90
Valsessera	92	PF 5	1028.00	432.30	436.67		437.19	3.19	321.77
Valsessera	91	PF 1	57.00	431.01	432.02		432.20	1.90	30.00
Valsessera	91	PF 2	154.00	431.01	432.55		432.92	2.67	57.78
Valsessera	91	PF 3	211.00	431.01	432.80		433.25	2.96	71.31
Valsessera	91	PF 4	817.00	431.01	434.65		435.64	4.41	185.07
Valsessera	91	PF 5	1028.00	431.01	435.11		436.25	4.75	216.64
Valsessera	90	PF 1	57.00	429.70	431.03		431.11	1.27	44.78
Valsessera	90	PF 2	154.00	429.70	431.95		432.09	1.62	95.12
Valsessera	90	PF 3	211.00	429.70	432.25		432.43	1.88	111.99
Valsessera	90	PF 4	817.00	429.70	433.88		434.61	3.79	215.55
Valsessera	90	PF 5	1028.00	429.70	434.22		435.15	4.29	239.61
Valsessera	89	PF 1	57.00	428.51	429.68		429.74	1.09	52.35
Valsessera	89	PF 2	154.00	428.51	430.30		430.39	1.35	113.90
Valsessera	89	PF 3	211.00	428.51	430.59		430.70	1.46	144.49
Valsessera	89	PF 4	817.00	428.51	432.13		432.45	2.52	323.74
Valsessera	89	PF 5	1028.00	428.51	432.50		432.87	2.70	381.11
Valsessera	88	PF 1	57.00	426.95	427.95		428.17	2.09	27.34
Valsessera	88	PF 2	154.00	426.95	428.62		429.03	2.81	54.71
Valsessera	88	PF 3	211.00	426.95	428.95		429.42	3.01	70.06
Valsessera	88	PF 4	817.00	426.95	430.71	430.56	431.55	4.05	201.53
Valsessera	88	PF 5	1028.00	426.95	431.00	430.92	432.00	4.45	231.27
Valsessera	87	PF 1	57.00	425.80	426.69		426.81	1.53	37.21
Valsessera	87	PF 2	154.00	425.80	427.28		427.49	2.04	75.66
Valsessera	87	PF 3	211.00	425.80	427.55		427.81	2.23	94.54
Valsessera	87	PF 4	817.00	425.80	429.25		429.95	3.70	220.63
Valsessera	87	PF 5	1028.00	425.80	429.65		430.49	4.06	253.04
Valsessera	86	PF 1	57.00	424.62	426.02		426.12	1.34	42.64
Valsessera	86	PF 2	154.00	424.62	426.73		426.87	1.64	94.07
Valsessera	86	PF 3	211.00	424.62	427.04		427.20	1.79	117.87
Valsessera	86	PF 4	817.00	424.62	428.81		429.28	3.04	269.02
Valsessera	86	PF 5	1028.00	424.62	429.24		429.80	3.30	311.36
Valsessera	85	PF 1	57.00	423.44	424.54		424.74	1.96	29.07
Valsessera	85	PF 2	154.00	423.44	425.14		425.60	3.00	51.30
Valsessera	85	PF 3	211.00	423.44	425.34	425.28	425.98	3.54	59.55
Valsessera	85	PF 4	817.00	423.44	427.37	427.37	428.61	4.92	166.07
Valsessera	85	PF 5	1028.00	423.44	427.99	427.99	429.17	4.81	213.77
Valsessera	84.5	PF 1	57.00	422.80	423.72	423.44	423.81	1.36	42.01
Valsessera	84.5	PF 2	154.00	422.80	424.29	423.90	424.49	1.99	77.45
Valsessera	84.5	PF 3	211.00	422.80	424.54	424.11	424.80	2.24	94.36
Valsessera	84.5	PF 4	817.00	422.80	426.68	425.63	427.18	3.14	260.13
Valsessera	84.5	PF 5	1028.00	422.80	427.34	426.03	427.86	3.19	322.44
Valsessera	84.4		Bridge						
Valsessera	84.3	PF 1	57.00	422.80	423.44	423.44	423.68	2.18	26.14
Valsessera	84.3	PF 2	154.00	422.80	423.90	423.90	424.33	2.92	52.78
Valsessera	84.3	PF 3	211.00	422.80	424.13	424.11	424.63	3.14	67.13
Valsessera	84.3	PF 4	817.00	422.80	426.54		427.09	3.30	247.89
Valsessera	84.3	PF 5	1028.00	422.80	427.19		427.76	3.35	307.16
Valsessera	84.2	PF 1	57.00	422.48	423.28		423.37	1.34	42.45
Valsessera	84.2	PF 2	154.00	422.48	423.93		424.09	1.78	86.55

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	84.2	PF 3	211.00	422.48	424.25		424.44	1.93	109.43
Valsessera	84.2	PF 4	817.00	422.48	426.62		426.99	2.68	304.84
Valsessera	84.2	PF 5	1028.00	422.48	427.26		427.66	2.81	365.49
Valsessera	84	PF 1	57.00	422.16	422.95	422.89	423.16	2.07	27.57
Valsessera	84	PF 2	154.00	422.16	423.41	423.39	423.89	3.06	50.29
Valsessera	84	PF 3	211.00	422.16	423.63	423.63	424.24	3.46	60.89
Valsessera	84	PF 4	817.00	422.16	425.40	425.40	426.77	5.19	157.53
Valsessera	84	PF 5	1028.00	422.16	425.88	425.88	427.44	5.53	185.90
Valsessera	83	PF 1	57.00	420.82	421.40		421.56	1.81	31.56
Valsessera	83	PF 2	154.00	420.82	421.85	421.75	422.21	2.63	58.55
Valsessera	83	PF 3	211.00	420.82	422.06	421.96	422.51	2.96	71.21
Valsessera	83	PF 4	817.00	420.82	423.53	423.53	424.75	4.90	166.61
Valsessera	83	PF 5	1028.00	420.82	423.95	423.95	425.35	5.24	196.16
Valsessera	82	PF 1	57.00	418.92	419.65		419.81	1.77	32.24
Valsessera	82	PF 2	154.00	418.92	420.15		420.47	2.50	61.53
Valsessera	82	PF 3	211.00	418.92	420.38		420.77	2.76	76.33
Valsessera	82	PF 4	817.00	418.92	422.44		422.76	2.47	330.95
Valsessera	82	PF 5	1028.00	418.92	422.94		423.20	2.26	454.96
Valsessera	81	PF 1	57.00	417.06	418.28		418.39	1.43	39.78
Valsessera	81	PF 2	154.00	417.06	418.91		419.11	1.99	77.54
Valsessera	81	PF 3	211.00	417.06	419.15		419.41	2.28	92.74
Valsessera	81	PF 4	817.00	417.06	420.74		421.59	4.07	200.74
Valsessera	81	PF 5	1028.00	417.06	421.54	420.71	422.29	3.84	267.88
Valsessera	80	PF 1	57.00	415.53	416.39		416.51	1.55	36.87
Valsessera	80	PF 2	154.00	415.53	416.92		417.20	2.34	65.73
Valsessera	80	PF 3	211.00	415.53	417.13		417.51	2.73	77.23
Valsessera	80	PF 4	817.00	415.53	418.54	418.54	419.84	5.04	161.96
Valsessera	80	PF 5	1028.00	415.53	419.66	419.66	420.51	4.10	250.93
Valsessera	79	PF 1	57.00	413.88	414.48		414.64	1.76	32.41
Valsessera	79	PF 2	154.00	413.88	415.04		415.31	2.31	66.62
Valsessera	79	PF 3	211.00	413.88	415.30		415.62	2.52	83.74
Valsessera	79	PF 4	817.00	413.88	416.99		417.72	3.78	215.93
Valsessera	79	PF 5	1028.00	413.88	417.41		418.25	4.06	253.51
Valsessera	78	PF 1	57.00	412.20	413.06		413.16	1.42	40.02
Valsessera	78	PF 2	154.00	412.20	413.62		413.81	1.94	79.39
Valsessera	78	PF 3	211.00	412.20	413.86		414.10	2.15	98.00
Valsessera	78	PF 4	817.00	412.20	415.49		416.05	3.33	245.52
Valsessera	78	PF 5	1028.00	412.20	415.88		416.53	3.58	287.10
Valsessera	77	PF 1	57.00	411.00	411.85		412.03	1.91	29.87
Valsessera	77	PF 2	154.00	411.00	412.34	412.24	412.72	2.72	56.63
Valsessera	77	PF 3	211.00	411.00	412.57	412.47	413.04	3.02	69.87
Valsessera	77	PF 4	817.00	411.00	414.25	414.10	415.23	4.37	187.01
Valsessera	77	PF 5	1028.00	411.00	414.77	414.52	415.77	4.44	231.35
Valsessera	76	PF 1	57.00	409.54	410.51		410.65	1.66	34.27
Valsessera	76	PF 2	154.00	409.54	411.14		411.41	2.33	66.09
Valsessera	76	PF 3	211.00	409.54	411.41		411.76	2.61	80.83
Valsessera	76	PF 4	817.00	409.54	413.18		414.13	4.31	189.57
Valsessera	76	PF 5	1028.00	409.54	413.60	413.30	414.71	4.66	220.64
Valsessera	75	PF 1	57.00	408.16	409.18		409.29	1.42	40.04
Valsessera	75	PF 2	154.00	408.16	409.73		410.00	2.33	66.23
Valsessera	75	PF 3	211.00	408.16	409.95		410.32	2.72	77.64
Valsessera	75	PF 4	817.00	408.16	411.40	411.40	412.63	4.91	166.49

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	75	PF 5	1028.00	408.16	411.86	411.86	413.21	5.16	199.05
Valsessera	74	PF 1	57.00	406.49	407.25		407.44	1.91	29.88
Valsessera	74	PF 2	154.00	406.49	407.98		408.30	2.49	61.83
Valsessera	74	PF 3	211.00	406.49	408.26		408.66	2.80	75.46
Valsessera	74	PF 4	817.00	406.49	409.73	409.73	410.74	4.45	183.60
Valsessera	74	PF 5	1028.00	406.49	410.12	410.12	411.21	4.63	222.10
Valsessera	73	PF 1	57.00	404.89	405.89		405.98	1.35	42.25
Valsessera	73	PF 2	154.00	404.89	406.64		406.78	1.66	92.98
Valsessera	73	PF 3	211.00	404.89	406.97		407.13	1.79	117.63
Valsessera	73	PF 4	817.00	404.89	408.95		409.30	2.60	313.81
Valsessera	73	PF 5	1028.00	404.89	409.43		409.83	2.78	370.02
Valsessera	72	PF 1	57.00	402.93	403.69		403.91	2.07	27.53
Valsessera	72	PF 2	154.00	402.93	404.34		404.69	2.62	58.84
Valsessera	72	PF 3	211.00	402.93	404.64		405.04	2.80	75.36
Valsessera	72	PF 4	817.00	402.93	406.68		407.52	4.05	201.68
Valsessera	72	PF 5	1028.00	402.93	407.16		408.13	4.37	235.33
Valsessera	71	PF 1	57.00	401.06	402.44		402.49	1.07	53.40
Valsessera	71	PF 2	154.00	401.06	403.34		403.47	1.54	99.91
Valsessera	71	PF 3	211.00	401.06	403.75		403.90	1.72	122.64
Valsessera	71	PF 4	817.00	401.06	406.25		406.67	2.88	284.12
Valsessera	71	PF 5	1028.00	401.06	406.76		407.28	3.20	321.01
Valsessera	70	PF 1	57.00	399.24	400.94	400.94	401.41	3.06	18.65
Valsessera	70	PF 2	154.00	399.24	401.84	401.84	402.59	3.83	40.22
Valsessera	70	PF 3	211.00	399.24	402.23	402.23	403.09	4.10	51.49
Valsessera	70	PF 4	817.00	399.24	404.67	404.67	405.73	4.55	179.43
Valsessera	70	PF 5	1028.00	399.24	405.04	405.04	406.23	4.83	212.64
Valsessera	69	PF 1	57.00	397.41	398.52	398.18	398.61	1.35	42.36
Valsessera	69	PF 2	154.00	397.41	399.19	398.67	399.38	1.91	80.79
Valsessera	69	PF 3	211.00	397.41	399.52	398.90	399.74	2.10	100.28
Valsessera	69	PF 4	817.00	397.41	402.09	400.51	402.56	3.05	267.96
Valsessera	69	PF 5	1028.00	397.41	402.83	400.97	403.35	3.21	320.44
Valsessera	68.9		Bridge						
Valsessera	68.8	PF 1	57.00	397.41	398.18	398.18	398.44	2.27	25.13
Valsessera	68.8	PF 2	154.00	397.41	398.67	398.67	399.14	3.03	50.77
Valsessera	68.8	PF 3	211.00	397.41	398.90	398.90	399.46	3.31	63.74
Valsessera	68.8	PF 4	817.00	397.41	400.51	400.51	401.80	5.03	162.58
Valsessera	68.8	PF 5	1028.00	397.41	401.09	400.97	402.43	5.14	200.09
Valsessera	68.7	PF 1	57.00	396.98	397.79		397.97	1.87	30.53
Valsessera	68.7	PF 2	154.00	396.98	398.33		398.65	2.54	60.63
Valsessera	68.7	PF 3	211.00	396.98	398.58		398.98	2.81	75.02
Valsessera	68.7	PF 4	817.00	396.98	400.64		401.48	4.07	200.91
Valsessera	68.7	PF 5	1028.00	396.98	401.22		402.17	4.31	238.55
Valsessera	68	PF 1	57.00	396.13	396.94	396.90	397.19	2.24	25.42
Valsessera	68	PF 2	154.00	396.13	397.48	397.44	397.98	3.12	49.42
Valsessera	68	PF 3	211.00	396.13	397.70	397.70	398.34	3.55	59.48
Valsessera	68	PF 4	817.00	396.13	399.57	399.57	401.01	5.31	153.77
Valsessera	68	PF 5	1028.00	396.13	400.07	400.07	401.70	5.67	181.34
Valsessera	67	PF 1	57.00	394.43	395.94		395.99	1.00	56.94
Valsessera	67	PF 2	154.00	394.43	396.79		396.92	1.59	96.89
Valsessera	67	PF 3	211.00	394.43	397.12		397.30	1.87	113.09
Valsessera	67	PF 4	817.00	394.43	399.06		399.78	3.75	217.70

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	67	PF 5	1028.00	394.43	399.64		400.44	3.97	259.02
Valsessera	66	PF 1	57.00	392.99	393.96		394.22	2.25	25.38
Valsessera	66	PF 2	154.00	392.99	394.74		395.19	2.99	51.49
Valsessera	66	PF 3	211.00	392.99	395.09		395.63	3.25	64.86
Valsessera	66	PF 4	817.00	392.99	397.44	397.00	398.41	4.38	186.69
Valsessera	66	PF 5	1028.00	392.99	398.01	397.62	399.01	4.44	231.47
Valsessera	65	PF 1	57.00	391.99	393.00		393.29	2.39	23.80
Valsessera	65	PF 2	154.00	391.99	393.77	393.62	394.33	3.32	46.34
Valsessera	65	PF 3	211.00	391.99	394.12		394.80	3.65	57.88
Valsessera	65	PF 4	817.00	391.99	396.58	396.37	397.63	4.55	179.67
Valsessera	65	PF 5	1028.00	391.99	397.10	396.96	398.19	4.62	222.55
Valsessera	64	PF 1	57.00	391.00	392.03		392.33	2.42	23.52
Valsessera	64	PF 2	154.00	391.00	392.77	392.67	393.36	3.38	45.51
Valsessera	64	PF 3	211.00	391.00	393.07	393.02	393.81	3.81	55.39
Valsessera	64	PF 4	817.00	391.00	395.49	395.49	396.66	4.79	170.59
Valsessera	64	PF 5	1028.00	391.00	395.97	395.97	397.21	4.94	208.12
Valsessera	63	PF 1	57.00	389.67	390.54		390.78	2.17	26.25
Valsessera	63	PF 2	154.00	389.67	391.15	391.05	391.67	3.18	48.43
Valsessera	63	PF 3	211.00	389.67	391.43	391.34	392.08	3.58	58.86
Valsessera	63	PF 4	817.00	389.67	393.57	393.57	395.06	5.40	151.21
Valsessera	63	PF 5	1028.00	389.67	394.18	394.18	395.76	5.57	184.52
Valsessera	62	PF 1	57.00	388.72	389.55		389.78	2.11	27.00
Valsessera	62	PF 2	154.00	388.72	390.13	390.03	390.61	3.09	49.80
Valsessera	62	PF 3	211.00	388.72	390.39	390.30	391.01	3.49	60.54
Valsessera	62	PF 4	817.00	388.72	392.39	392.39	393.82	5.29	154.59
Valsessera	62	PF 5	1028.00	388.72	392.97	392.97	394.50	5.47	187.96
Valsessera	61	PF 1	57.00	387.46	388.21		388.42	2.04	27.90
Valsessera	61	PF 2	154.00	387.46	388.75		389.19	2.97	51.90
Valsessera	61	PF 3	211.00	387.46	389.02		389.56	3.25	64.92
Valsessera	61	PF 4	817.00	387.46	391.05	390.82	392.16	4.66	175.24
Valsessera	61	PF 5	1028.00	387.46	391.63	391.33	392.80	4.80	214.32
Valsessera	60	PF 1	57.00	385.94	387.50		387.55	0.96	59.26
Valsessera	60	PF 2	154.00	385.94	388.32		388.45	1.60	96.48
Valsessera	60	PF 3	211.00	385.94	388.64		388.82	1.89	111.87
Valsessera	60	PF 4	817.00	385.94	390.50		391.24	3.80	215.02
Valsessera	60	PF 5	1028.00	385.94	391.05		391.84	3.94	260.96
Valsessera	59	PF 1	57.00	384.84	386.16		386.42	2.24	25.47
Valsessera	59	PF 2	154.00	384.84	386.97		387.38	2.85	54.06
Valsessera	59	PF 3	211.00	384.84	387.32		387.79	3.03	69.57
Valsessera	59	PF 4	817.00	384.84	389.58		390.38	3.96	206.47
Valsessera	59	PF 5	1028.00	384.84	390.08		390.98	4.22	243.69
Valsessera	58	PF 1	57.00	383.84	384.51		384.66	1.71	33.34
Valsessera	58	PF 2	154.00	383.84	385.01		385.33	2.51	61.37
Valsessera	58	PF 3	211.00	383.84	385.23		385.64	2.83	74.53
Valsessera	58	PF 4	817.00	383.84	386.77	386.67	387.92	4.77	171.46
Valsessera	58	PF 5	1028.00	383.84	387.14	387.12	388.53	5.22	197.04
Valsessera	57	PF 1	57.00	382.39	383.39		383.56	1.83	31.22
Valsessera	57	PF 2	154.00	382.39	384.05		384.33	2.33	66.01
Valsessera	57	PF 3	211.00	382.39	384.31		384.65	2.57	82.15
Valsessera	57	PF 4	817.00	382.39	385.88	385.67	386.69	3.99	204.57
Valsessera	57	PF 5	1028.00	382.39	386.12	386.01	387.16	4.50	228.20

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	56	PF 1	57.00	380.94	381.78		381.91	1.56	36.58
Valsessera	56	PF 2	154.00	380.94	382.33		382.59	2.24	68.71
Valsessera	56	PF 3	211.00	380.94	382.60		382.91	2.47	85.30
Valsessera	56	PF 4	817.00	380.94	384.19		384.77	3.36	242.88
Valsessera	56	PF 5	1028.00	380.94	384.46		385.17	3.74	275.01
Valsessera	55	PF 1	57.00	379.48	380.32	380.27	380.60	2.34	24.31
Valsessera	55	PF 2	154.00	379.48	380.89	380.89	381.45	3.32	46.41
Valsessera	55	PF 3	211.00	379.48	381.17	381.17	381.83	3.59	58.69
Valsessera	55	PF 4	817.00	379.48	383.10	383.10	383.72	3.49	234.28
Valsessera	55	PF 5	1028.00	379.48	383.32	383.32	384.02	3.70	278.05
Valsessera	54	PF 1	57.00	378.02	378.63		378.83	1.97	28.90
Valsessera	54	PF 2	154.00	378.02	379.08	379.04	379.50	2.86	53.86
Valsessera	54	PF 3	211.00	378.02	379.29	379.26	379.81	3.21	65.69
Valsessera	54	PF 4	817.00	378.02	381.04	380.96	381.61	3.35	243.82
Valsessera	54	PF 5	1028.00	378.02	381.28	381.21	381.92	3.53	291.19
Valsessera	53	PF 1	57.00	376.76	377.40		377.59	1.95	29.21
Valsessera	53	PF 2	154.00	376.76	377.87	377.80	378.26	2.78	55.30
Valsessera	53	PF 3	211.00	376.76	378.10	378.02	378.58	3.06	68.89
Valsessera	53	PF 4	817.00	376.76	379.84	379.84	380.53	3.68	222.17
Valsessera	53	PF 5	1028.00	376.76	380.11	380.11	380.86	3.84	267.46
Valsessera	52	PF 1	57.00	375.50	376.27		376.42	1.73	32.95
Valsessera	52	PF 2	154.00	375.50	376.73		377.03	2.43	63.31
Valsessera	52	PF 3	211.00	375.50	376.94		377.31	2.70	78.24
Valsessera	52	PF 4	817.00	375.50	378.69		379.13	2.93	278.56
Valsessera	52	PF 5	1028.00	375.50	379.05		379.52	3.03	339.22
Valsessera	51	PF 1	57.00	374.25	374.97	374.92	375.21	2.17	26.32
Valsessera	51	PF 2	154.00	374.25	375.52	375.45	375.96	2.94	52.37
Valsessera	51	PF 3	211.00	374.25	375.77	375.70	376.30	3.25	65.01
Valsessera	51	PF 4	817.00	374.25	377.51	377.51	378.39	4.17	196.15
Valsessera	51	PF 5	1028.00	374.25	377.85	377.85	378.82	4.36	235.88
Valsessera	50	PF 1	57.00	373.00	373.88		373.99	1.47	38.83
Valsessera	50	PF 2	154.00	373.00	374.51		374.73	2.07	74.39
Valsessera	50	PF 3	211.00	373.00	374.80		375.07	2.31	91.36
Valsessera	50	PF 4	817.00	373.00	376.75		377.38	3.52	232.31
Valsessera	50	PF 5	1028.00	373.00	377.22		377.89	3.63	283.49
Valsessera	49	PF 1	57.00	372.00	373.03		373.15	1.55	36.89
Valsessera	49	PF 2	154.00	372.00	373.67		373.92	2.24	68.62
Valsessera	49	PF 3	211.00	372.00	373.93		374.26	2.54	82.99
Valsessera	49	PF 4	817.00	372.00	375.76	375.53	376.49	3.77	216.75
Valsessera	49	PF 5	1028.00	372.00	376.16	375.98	376.89	3.79	271.11
Valsessera	48	PF 1	57.00	371.32	372.20		372.38	1.87	30.43
Valsessera	48	PF 2	154.00	371.32	372.81		373.14	2.55	60.41
Valsessera	48	PF 3	211.00	371.32	373.08		373.48	2.80	75.31
Valsessera	48	PF 4	817.00	371.32	375.07		375.58	3.17	257.83
Valsessera	48	PF 5	1028.00	371.32	375.49		375.99	3.14	327.17
Valsessera	47	PF 1	57.00	370.37	371.34		371.55	2.06	27.64
Valsessera	47	PF 2	154.00	370.37	371.85	371.79	372.31	3.01	51.18
Valsessera	47	PF 3	211.00	370.37	372.11	372.04	372.67	3.31	63.83
Valsessera	47	PF 4	817.00	370.37	374.25	373.90	374.88	3.51	232.90
Valsessera	47	PF 5	1028.00	370.37	374.88	374.26	375.43	3.28	313.14
Valsessera	46	PF 1	57.00	369.11	369.86	369.70	369.97	1.44	39.48
Valsessera	46	PF 2	154.00	369.11	370.40	370.09	370.60	2.00	76.93

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	46	PF 3	211.00	369.11	370.64	370.27	370.90	2.24	94.18
Valsessera	46	PF 4	817.00	369.11	372.59	371.75	373.09	3.15	259.03
Valsessera	46	PF 5	1028.00	369.11	373.09	372.09	373.66	3.37	305.37
Valsessera	45.9		Bridge						
Valsessera	45.8	PF 1	57.00	368.98	369.68		369.83	1.71	33.39
Valsessera	45.8	PF 2	154.00	368.98	370.14		370.42	2.37	65.03
Valsessera	45.8	PF 3	211.00	368.98	370.35		370.71	2.64	79.87
Valsessera	45.8	PF 4	817.00	368.98	372.11		372.80	3.69	221.30
Valsessera	45.8	PF 5	1028.00	368.98	372.59		373.35	3.87	265.87
Valsessera	45.7	PF 1	57.00	368.77	369.50		369.64	1.64	34.84
Valsessera	45.7	PF 2	154.00	368.77	370.00		370.26	2.26	68.07
Valsessera	45.7	PF 3	211.00	368.77	370.22		370.54	2.53	83.47
Valsessera	45.7	PF 4	817.00	368.77	372.01		372.68	3.62	225.58
Valsessera	45.7	PF 5	1028.00	368.77	372.51		373.24	3.79	271.35
Valsessera	45	PF 1	57.00	366.70	367.58		367.69	1.43	39.77
Valsessera	45	PF 2	154.00	366.70	368.14		368.36	2.10	73.36
Valsessera	45	PF 3	211.00	366.70	368.39		368.67	2.35	89.96
Valsessera	45	PF 4	817.00	366.70	370.10		370.65	3.30	247.51
Valsessera	45	PF 5	1028.00	366.70	370.35	370.11	371.01	3.59	286.14
Valsessera	44	PF 1	57.00	365.64	366.54	366.50	366.79	2.25	25.33
Valsessera	44	PF 2	154.00	365.64	367.05	367.05	367.56	3.16	48.75
Valsessera	44	PF 3	211.00	365.64	367.31	367.31	367.90	3.43	61.53
Valsessera	44	PF 4	817.00	365.64	369.15	369.14	369.77	3.49	234.15
Valsessera	44	PF 5	1028.00	365.64	369.53	369.36	370.10	3.33	308.26
Valsessera	43	PF 1	57.00	364.58	365.46		365.51	0.98	58.28
Valsessera	43	PF 2	154.00	364.58	366.18		366.28	1.35	113.88
Valsessera	43	PF 3	211.00	364.58	366.49		366.61	1.51	139.42
Valsessera	43	PF 4	817.00	364.58	368.60		368.81	2.01	406.18
Valsessera	43	PF 5	1028.00	364.58	368.98		369.21	2.13	483.43
Valsessera	42	PF 1	57.00	363.53	364.72		364.88	1.80	31.69
Valsessera	42	PF 2	154.00	363.53	365.49		365.77	2.33	66.05
Valsessera	42	PF 3	211.00	363.53	365.81		366.12	2.47	85.50
Valsessera	42	PF 4	817.00	363.53	367.78	367.07	368.30	3.18	257.03
Valsessera	42	PF 5	1028.00	363.53	368.32	367.79	368.77	2.97	346.45
Valsessera	41	PF 1	57.00	362.21	363.22		363.44	2.08	27.41
Valsessera	41	PF 2	154.00	362.21	363.82	363.70	364.28	3.02	50.97
Valsessera	41	PF 3	211.00	362.21	364.07	363.98	364.66	3.40	62.00
Valsessera	41	PF 4	817.00	362.21	366.05	365.88	366.99	4.28	190.76
Valsessera	41	PF 5	1028.00	362.21	366.61		367.55	4.29	239.39
Valsessera	40	PF 1	57.00	361.10	361.97		362.11	1.63	35.07
Valsessera	40	PF 2	154.00	361.10	362.77		362.98	2.03	75.87
Valsessera	40	PF 3	211.00	361.10	363.15		363.39	2.20	96.00
Valsessera	40	PF 4	817.00	361.10	365.50		366.07	3.34	244.25
Valsessera	40	PF 5	1028.00	361.10	366.12		366.76	3.54	290.00
Valsessera	39	PF 1	57.00	360.00	360.98		361.15	1.81	31.55
Valsessera	39	PF 2	154.00	360.00	361.76		362.08	2.49	61.94
Valsessera	39	PF 3	211.00	360.00	362.12		362.50	2.75	76.71
Valsessera	39	PF 4	817.00	360.00	364.58		365.48	4.20	194.69
Valsessera	39	PF 5	1028.00	360.00	365.25		366.26	4.45	231.02
Valsessera	38	PF 1	57.00	359.00	360.20		360.35	1.75	32.51
Valsessera	38	PF 2	154.00	359.00	361.12		361.40	2.34	65.88

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	38	PF 3	211.00	359.00	361.48		361.84	2.64	80.03
Valsessera	38	PF 4	817.00	359.00	363.79		364.84	4.54	180.08
Valsessera	38	PF 5	1028.00	359.00	363.99	363.58	365.49	5.43	189.33
Valsessera	37	PF 1	57.00	358.21	359.04	359.03	359.36	2.49	22.91
Valsessera	37	PF 2	154.00	358.21	359.65	359.65	360.26	3.46	44.53
Valsessera	37	PF 3	211.00	358.21	359.94	359.94	360.68	3.80	55.54
Valsessera	37	PF 4	817.00	358.21	362.07	362.07	363.69	5.65	144.71
Valsessera	37	PF 5	1028.00	358.21	362.64	362.64	364.48	6.02	170.82
Valsessera	36	PF 1	57.00	356.55	357.52	357.51	357.85	2.55	22.37
Valsessera	36	PF 2	154.00	356.55	358.15	358.15	358.76	3.45	44.59
Valsessera	36	PF 3	211.00	356.55	358.44	358.44	359.17	3.78	55.88
Valsessera	36	PF 4	817.00	356.55	360.59	360.59	362.05	5.34	152.94
Valsessera	36	PF 5	1028.00	356.55	361.18	361.18	362.73	5.53	185.97
Valsessera	35	PF 1	57.00	354.33	355.80		355.90	1.39	40.97
Valsessera	35	PF 2	154.00	354.33	356.78		356.93	1.69	91.09
Valsessera	35	PF 3	211.00	354.33	357.19		357.37	1.85	114.30
Valsessera	35	PF 4	817.00	354.33	359.28		359.82	3.25	251.06
Valsessera	35	PF 5	1028.00	354.33	359.71		360.37	3.60	285.33
Valsessera	34	PF 1	57.00	352.97	354.31		354.40	1.35	42.30
Valsessera	34	PF 2	154.00	352.97	355.07		355.26	1.95	78.78
Valsessera	34	PF 3	211.00	352.97	355.43		355.66	2.15	97.92
Valsessera	34	PF 4	817.00	352.97	357.62		358.17	3.28	249.32
Valsessera	34	PF 5	1028.00	352.97	358.05		358.71	3.60	285.39
Valsessera	33	PF 1	57.00	351.97	353.31		353.47	1.79	31.88
Valsessera	33	PF 2	154.00	351.97	354.00		354.33	2.54	60.62
Valsessera	33	PF 3	211.00	351.97	354.30		354.71	2.84	74.36
Valsessera	33	PF 4	817.00	351.97	356.40		357.36	4.35	187.70
Valsessera	33	PF 5	1028.00	351.97	357.24		358.03	3.93	261.26
Valsessera	32	PF 1	57.00	350.71	352.26		352.41	1.75	32.63
Valsessera	32	PF 2	154.00	350.71	352.94		353.29	2.62	58.86
Valsessera	32	PF 3	211.00	350.71	353.21		353.66	2.97	71.05
Valsessera	32	PF 4	817.00	350.71	355.19	354.99	356.02	4.04	202.17
Valsessera	32	PF 5	1028.00	350.71	355.51	355.35	356.50	4.41	232.90
Valsessera	31	PF 1	57.00	349.55	350.44		350.62	1.88	30.26
Valsessera	31	PF 2	154.00	349.55	351.06		351.43	2.70	56.99
Valsessera	31	PF 3	211.00	349.55	351.33		351.80	3.02	69.85
Valsessera	31	PF 4	817.00	349.55	353.24	353.24	354.13	4.16	196.26
Valsessera	31	PF 5	1028.00	349.55	353.64	353.63	354.53	4.17	246.63
Valsessera	30	PF 1	57.00	347.86	348.92	348.88	349.23	2.47	23.06
Valsessera	30	PF 2	154.00	347.86	349.55	349.50	349.98	2.92	52.79
Valsessera	30	PF 3	211.00	347.86	349.78	349.74	350.30	3.20	65.91
Valsessera	30	PF 4	817.00	347.86	351.42	351.42	352.38	4.33	188.54
Valsessera	30	PF 5	1028.00	347.86	351.79	351.79	352.83	4.52	227.65
Valsessera	29	PF 1	57.00	346.15	347.16		347.33	1.81	31.51
Valsessera	29	PF 2	154.00	346.15	347.72		348.08	2.65	58.07
Valsessera	29	PF 3	211.00	346.15	347.96		348.43	3.01	70.05
Valsessera	29	PF 4	817.00	346.15	349.82	349.81	350.54	3.76	217.02
Valsessera	29	PF 5	1028.00	346.15	350.17	350.06	350.91	3.80	270.82
Valsessera	28	PF 1	57.00	345.08	345.86	345.84	346.15	2.36	24.16
Valsessera	28	PF 2	154.00	345.08	346.43	346.43	346.95	3.19	48.28
Valsessera	28	PF 3	211.00	345.08	346.71	346.71	347.29	3.39	62.31
Valsessera	28	PF 4	817.00	345.08	348.43	348.43	349.29	4.12	198.28

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	28	PF 5	1028.00	345.08	348.73	348.73	349.71	4.40	233.63
Valsessera	27	PF 1	57.00	344.00	344.74		344.88	1.71	33.43
Valsessera	27	PF 2	154.00	344.00	345.31		345.60	2.38	64.81
Valsessera	27	PF 3	211.00	344.00	345.55		345.92	2.69	78.39
Valsessera	27	PF 4	817.00	344.00	347.01	346.98	347.88	4.13	197.84
Valsessera	27	PF 5	1028.00	344.00	347.34	347.33	348.31	4.35	236.10
Valsessera	26	PF 1	57.00	343.00	343.79		343.94	1.72	33.14
Valsessera	26	PF 2	154.00	343.00	344.27		344.57	2.44	63.04
Valsessera	26	PF 3	211.00	343.00	344.46		344.84	2.73	77.32
Valsessera	26	PF 4	817.00	343.00	345.79	345.79	346.58	3.94	207.48
Valsessera	26	PF 5	1028.00	343.00	346.06	346.06	346.96	4.19	245.14
Valsessera	25	PF 1	57.00	342.13	342.87		342.97	1.43	39.87
Valsessera	25	PF 2	154.00	342.13	343.32		343.50	1.89	81.47
Valsessera	25	PF 3	211.00	342.13	343.52		343.74	2.07	101.73
Valsessera	25	PF 4	817.00	342.13	344.74		345.16	2.85	286.19
Valsessera	25	PF 5	1028.00	342.13	345.00		345.47	3.03	338.83
Valsessera	24	PF 1	57.00	341.05	341.75		341.95	1.97	28.97
Valsessera	24	PF 2	154.00	341.05	342.25	342.16	342.59	2.59	59.38
Valsessera	24	PF 3	211.00	341.05	342.44	342.39	342.86	2.85	74.00
Valsessera	24	PF 4	817.00	341.05	343.79	343.65	344.42	3.49	234.04
Valsessera	24	PF 5	1028.00	341.05	344.10	343.92	344.79	3.66	280.49
Valsessera	23	PF 1	57.00	339.97	340.60		340.74	1.70	33.56
Valsessera	23	PF 2	154.00	339.97	341.07		341.36	2.39	64.39
Valsessera	23	PF 3	211.00	339.97	341.29		341.65	2.66	79.42
Valsessera	23	PF 4	817.00	339.97	342.79	342.61	343.56	3.89	210.00
Valsessera	23	PF 5	1028.00	339.97	343.10	342.96	343.99	4.20	244.76
Valsessera	22	PF 1	57.00	339.01	339.72		339.88	1.73	32.97
Valsessera	22	PF 2	154.00	339.01	340.22		340.51	2.39	64.31
Valsessera	22	PF 3	211.00	339.01	340.44		340.80	2.64	79.88
Valsessera	22	PF 4	817.00	339.01	341.86	341.75	342.62	3.88	210.70
Valsessera	22	PF 5	1028.00	339.01	342.13	342.05	343.04	4.21	244.04
Valsessera	21	PF 1	57.00	337.72	338.50		338.60	1.42	40.24
Valsessera	21	PF 2	154.00	337.72	338.99		339.19	1.97	78.15
Valsessera	21	PF 3	211.00	337.72	339.22		339.46	2.16	97.68
Valsessera	21	PF 4	817.00	337.72	341.07		341.50	2.89	283.02
Valsessera	21	PF 5	1028.00	337.72	341.55		342.01	3.00	342.15
Valsessera	20	PF 1	57.00	336.80	337.74		337.89	1.74	32.77
Valsessera	20	PF 2	154.00	336.80	338.34		338.60	2.27	67.80
Valsessera	20	PF 3	211.00	336.80	338.60		338.91	2.46	85.82
Valsessera	20	PF 4	817.00	336.80	340.51		341.10	3.40	240.34
Valsessera	20	PF 5	1028.00	336.80	340.97		341.62	3.57	287.70
Valsessera	19	PF 1	57.00	335.88	336.92		337.12	2.00	28.56
Valsessera	19	PF 2	154.00	335.88	337.60		337.92	2.52	61.06
Valsessera	19	PF 3	211.00	335.88	337.90		338.27	2.71	77.86
Valsessera	19	PF 4	817.00	335.88	339.93		340.59	3.61	226.08
Valsessera	19	PF 5	1028.00	335.88	340.44		341.12	3.65	281.86
Valsessera	18	PF 1	57.00	334.66	336.00		336.15	1.71	33.37
Valsessera	18	PF 2	154.00	334.66	336.77		337.07	2.43	63.29
Valsessera	18	PF 3	211.00	334.66	337.09		337.46	2.71	77.86
Valsessera	18	PF 4	817.00	334.66	339.31		339.90	3.42	238.63
Valsessera	18	PF 5	1028.00	334.66	339.87		340.50	3.52	292.32

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	7.8	PF 1	57.00	328.22	329.10		329.23	1.61	35.38
Valsessera	7.8	PF 2	154.00	328.22	329.72		329.99	2.30	67.09
Valsessera	7.8	PF 3	211.00	328.22	330.00		330.33	2.57	82.15
Valsessera	7.8	PF 4	817.00	328.22	331.92	331.36	332.73	3.99	204.89
Valsessera	7.8	PF 5	1028.00	328.22	332.40	331.81	333.33	4.27	240.77
Valsessera	7.7	PF 1	57.00	328.11	328.88	328.80	329.09	2.05	27.84
Valsessera	7.7	PF 2	154.00	328.11	329.32	329.32	329.82	3.13	49.25
Valsessera	7.7	PF 3	211.00	328.11	329.57	329.57	330.16	3.43	61.60
Valsessera	7.7	PF 4	817.00	328.11	331.31	331.31	332.56	4.95	165.03
Valsessera	7.7	PF 5	1028.00	328.11	331.76	331.76	333.16	5.23	196.38
Valsessera	7	PF 1	57.00	327.60	328.34		328.37	0.84	67.63
Valsessera	7	PF 2	154.00	327.60	328.92		328.99	1.20	127.93
Valsessera	7	PF 3	211.00	327.60	329.13		329.23	1.40	151.08
Valsessera	7	PF 4	817.00	327.60	330.35		330.71	2.65	308.36
Valsessera	7	PF 5	1028.00	327.60	330.60		331.05	2.97	346.40
Valsessera	6	PF 1	57.00	326.74	327.38		327.47	1.31	43.57
Valsessera	6	PF 2	154.00	326.74	327.85		328.01	1.81	85.13
Valsessera	6	PF 3	211.00	326.74	328.05		328.26	2.02	104.59
Valsessera	6	PF 4	817.00	326.74	329.44		329.84	2.79	292.42
Valsessera	6	PF 5	1028.00	326.74	329.74		330.21	3.02	339.86
Valsessera	5	PF 1	57.00	326.03	326.69		326.77	1.28	44.60
Valsessera	5	PF 2	154.00	326.03	327.18		327.35	1.85	83.22
Valsessera	5	PF 3	211.00	326.03	327.40		327.62	2.08	101.59
Valsessera	5	PF 4	817.00	326.03	328.75		329.20	2.96	275.59
Valsessera	5	PF 5	1028.00	326.03	329.03		329.53	3.12	329.30
Valsessera	4	PF 1	57.00	325.01	325.75		325.85	1.38	41.37
Valsessera	4	PF 2	154.00	325.01	326.25		326.45	1.95	78.86
Valsessera	4	PF 3	211.00	325.01	326.43		326.69	2.26	93.24
Valsessera	4	PF 4	817.00	325.01	327.76		328.19	2.93	278.80
Valsessera	4	PF 5	1028.00	325.01	327.96		328.50	3.25	316.42
Valsessera	3.3	PF 1	57.00	323.95	324.77	324.42	324.83	1.06	53.80
Valsessera	3.3	PF 2	154.00	323.95	325.28	324.81	325.41	1.63	94.54
Valsessera	3.3	PF 3	211.00	323.95	325.50	324.99	325.68	1.85	113.86
Valsessera	3.3	PF 4	817.00	323.95	326.83	326.25	327.14	2.46	331.58
Valsessera	3.3	PF 5	1028.00	323.95	327.21	326.49	327.50	2.40	428.41
Valsessera	3.2		Bridge						
Valsessera	3.1	PF 1	57.00	323.95	324.74		324.80	1.11	51.29
Valsessera	3.1	PF 2	154.00	323.95	325.23		325.38	1.70	90.68
Valsessera	3.1	PF 3	211.00	323.95	325.45		325.64	1.93	109.15
Valsessera	3.1	PF 4	817.00	323.95	326.76		327.09	2.57	317.80
Valsessera	3.1	PF 5	1028.00	323.95	327.08		327.43	2.62	392.22
Valsessera	3	PF 1	57.00	323.95	324.64		324.73	1.29	44.15
Valsessera	3	PF 2	154.00	323.95	325.10		325.29	1.94	79.56
Valsessera	3	PF 3	211.00	323.95	325.29		325.54	2.21	95.62
Valsessera	3	PF 4	817.00	323.95	326.46		326.95	3.10	263.24
Valsessera	3	PF 5	1028.00	323.95	326.69		327.27	3.37	304.61
Valsessera	2	PF 1	57.00	322.90	323.56		323.66	1.42	40.15
Valsessera	2	PF 2	154.00	322.90	323.97		324.21	2.17	71.13
Valsessera	2	PF 3	211.00	322.90	324.16	323.97	324.45	2.37	88.89
Valsessera	2	PF 4	817.00	322.90	325.06	325.06	325.68	3.49	234.27
Valsessera	2	PF 5	1028.00	322.90	325.28	325.27	325.98	3.70	277.67

HEC-RAS Plan: Manovre art. River: Sessera Reach: Valsessera (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	1	PF 1	57.00	321.52	321.98	321.93	322.12	1.64	34.82
Valsessera	1	PF 2	154.00	321.52	322.32	322.27	322.58	2.25	68.36
Valsessera	1	PF 3	211.00	321.52	322.47	322.42	322.78	2.48	85.10
Valsessera	1	PF 4	817.00	321.52	323.33	323.31	323.85	3.20	255.10
Valsessera	1	PF 5	1028.00	321.52	323.50	323.50	324.11	3.46	296.93

*ONDA DI PIENA PRODOTTA DAL
COLLASSO TOTALE DELLO SBARRAMENTO*

HEC-RAS Plan: RT3 River: Sessera Reach: Valsessera Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	192	Max WS	91637.82	863.00	909.59	925.90	960.26	31.54	2905.54
Valsessera	191	Max WS	91631.30	859.27	904.50	926.56	988.59	40.63	2255.36
Valsessera	190	Max WS	91602.20	850.37	892.30	917.16	986.88	43.09	2125.95
Valsessera	189	Max WS	41316.71	844.50	887.02	892.70	907.30	19.95	2070.80
Valsessera	188	Max WS	53533.71	840.00	881.49	885.68	899.55	18.83	2842.83
Valsessera	187	Max WS	91271.68	832.85	868.29	888.55	944.60	38.70	2358.26
Valsessera	186	Max WS	90980.02	827.00	862.11	882.95	944.26	40.16	2265.60
Valsessera	185	Max WS	90324.99	820.00	854.40	871.70	922.06	36.44	2478.57
Valsessera	184	Max WS	89358.40	810.94	846.86	866.06	913.35	36.13	2473.51
Valsessera	183	Max WS	88404.20	800.00	838.18	857.57	904.01	35.95	2459.29
Valsessera	182	Max WS	87490.41	785.00	824.44	845.50	900.72	38.70	2260.91
Valsessera	181	Max WS	87130.03	777.10	815.15	838.59	905.85	42.19	2064.94
Valsessera	180	Max WS	86482.05	768.05	803.47	825.66	896.73	42.79	2021.29
Valsessera	179	Max WS	84835.46	760.11	793.25	814.97	879.96	41.26	2056.33
Valsessera	178	Max WS	84080.45	757.00	790.41	809.89	860.30	37.04	2270.18
Valsessera	177	Max WS	82824.88	749.89	785.75	800.79	832.68	30.35	2728.82
Valsessera	176	Max WS	81949.97	736.68	777.50	796.76	839.78	34.96	2343.81
Valsessera	175	Max WS	81476.38	724.89	763.92	790.88	873.04	46.28	1760.52
Valsessera	174	Max WS	80967.06	719.00	754.91	778.34	847.74	42.69	1896.75
Valsessera	173	Max WS	78808.48	706.50	741.32	755.87	791.75	31.46	2504.83
Valsessera	172	Max WS	77701.71	700.00	735.41	746.76	770.46	26.23	2962.02
Valsessera	171	Max WS	77400.02	695.00	731.88	748.29	786.69	32.80	2359.76
Valsessera	170	Max WS	77172.47	690.07	726.80	743.65	784.30	33.59	2297.18
Valsessera	169	Max WS	76987.64	684.85	718.89	744.39	831.21	46.95	1639.63
Valsessera	168	Max WS	76801.83	682.00	714.29	735.70	804.74	42.14	1822.66
Valsessera	167	Max WS	76585.66	679.40	710.67	727.41	773.06	35.00	2188.35
Valsessera	166	Max WS	76248.77	673.80	705.11	722.63	772.50	36.37	2096.44
Valsessera	165	Max WS	75937.66	667.90	699.68	717.13	763.51	35.40	2145.39
Valsessera	164	Max WS	75601.73	661.30	692.52	713.32	776.42	40.58	1862.97
Valsessera	163	Max WS	74966.22	653.95	684.23	700.54	743.99	34.25	2188.91
Valsessera	162	Max WS	74099.10	643.38	675.10	690.26	728.11	32.26	2297.03
Valsessera	161	Max WS	73759.75	638.85	670.18	689.73	749.29	39.41	1871.72
Valsessera	160	Max WS	72946.29	631.70	661.90	676.53	709.57	30.59	2384.68
Valsessera	159	Max WS	72820.28	630.10	660.48	676.36	715.23	32.78	2221.29
Valsessera	158	Max WS	72584.40	627.77	657.99	675.34	721.40	35.28	2057.33
Valsessera	157	Max WS	72341.22	625.70	655.83	670.63	710.10	32.64	2216.56
Valsessera	156	Max WS	72191.84	624.20	654.24	667.38	697.98	29.30	2463.93
Valsessera	155	Max WS	71937.13	620.48	650.92	668.74	711.90	34.60	2079.20
Valsessera	154	Max WS	71600.25	616.35	646.55	665.81	723.23	38.79	1845.62
Valsessera	153	Max WS	71251.81	614.21	643.44	662.19	719.02	38.52	1849.93
Valsessera	152	Max WS	70164.67	607.83	637.37	651.07	683.03	29.94	2343.80
Valsessera	151	Max WS	69816.88	604.80	635.37	649.06	680.78	29.86	2338.38
Valsessera	150	Max WS	69227.66	598.88	631.10	647.71	687.81	33.36	2074.99
Valsessera	149	Max WS	68626.33	593.45	626.13	642.06	680.76	32.75	2095.73
Valsessera	148	Max WS	68416.41	590.41	623.81	638.51	670.53	30.28	2259.16
Valsessera	147	Max WS	68179.04	585.40	620.36	636.75	673.21	32.21	2116.76
Valsessera	146	Max WS	68049.66	583.06	617.94	636.48	682.48	35.59	1911.95
Valsessera	145	Max WS	67903.43	580.21	614.74	632.92	680.98	36.06	1883.10
Valsessera	144	Max WS	67770.45	577.74	611.89	629.57	673.88	34.88	1942.89
Valsessera	143	Max WS	67660.70	575.30	609.20	626.05	671.38	34.94	1936.74
Valsessera	142	Max WS	67490.97	570.00	603.45	623.75	675.85	37.70	1790.28
Valsessera	141	Max WS	67342.13	564.48	597.00	616.29	668.38	37.43	1799.07
Valsessera	140	Max WS	67307.87	562.67	595.02	615.22	674.55	39.51	1703.59
Valsessera	139	Max WS	67146.60	558.07	588.60	610.82	686.12	43.75	1534.70
Valsessera	138	Max WS	66938.70	555.29	584.50	603.78	666.55	40.13	1667.98
Valsessera	137	Max WS	66682.41	553.12	581.40	598.54	647.53	36.03	1850.91
Valsessera	136	Max WS	65941.92	548.36	575.55	589.75	627.43	31.91	2066.35
Valsessera	135	Max WS	65639.66	545.87	573.51	583.89	605.64	25.12	2613.51
Valsessera	134	Max WS	65416.53	542.86	571.47	583.73	611.52	28.04	2333.08
Valsessera	133	Max WS	65259.94	540.91	569.60	583.01	614.78	29.78	2191.59
Valsessera	132	Max WS	65011.20	537.44	565.90	580.75	618.06	32.00	2031.65
Valsessera	131	Max WS	64811.63	534.93	562.44	578.41	621.69	34.11	1900.33
Valsessera	130	Max WS	64510.87	531.45	558.19	572.46	609.14	31.62	2039.89

HEC-RAS Plan: RT3 River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	129	Max WS	64358.95	529.85	556.46	570.58	606.18	31.24	2060.00
Valsessera	128	Max WS	63820.79	524.36	550.68	561.97	590.60	27.99	2279.88
Valsessera	127	Max WS	63182.16	516.55	542.44	555.17	587.31	29.68	2128.90
Valsessera	126	Max WS	62981.20	512.67	539.00	551.96	583.85	29.67	2122.56
Valsessera	125	Max WS	62796.88	509.00	535.06	551.63	602.71	36.44	1723.32
Valsessera	124	Max WS	62457.79	503.67	528.96	542.02	573.36	29.52	2115.80
Valsessera	123	Max WS	62319.38	500.38	525.49	539.30	573.72	30.77	2025.54
Valsessera	122	Max WS	62232.95	498.25	522.62	537.59	577.52	32.83	1895.81
Valsessera	121	Max WS	62134.92	495.40	518.16	533.98	579.66	34.74	1788.36
Valsessera	120	Max WS	61972.89	492.12	512.70	525.03	561.82	31.05	1995.78
Valsessera	119	Max WS	61493.23	489.62	508.22	519.41	551.73	29.22	2104.25
Valsessera	118	Max WS	60566.84	487.96	505.42	512.98	531.61	22.67	2671.54
Valsessera	117	Max WS	59630.58	486.33	503.63	510.85	528.65	22.16	2690.68
Valsessera	116	Max WS	59063.30	484.81	502.58	505.87	514.74	15.45	3821.82
Valsessera	115	Max WS	58617.60	482.16	501.48	504.65	512.91	14.98	3913.25
Valsessera	114	Max WS	58283.29	479.40	500.07	503.11	511.06	14.69	3967.80
Valsessera	113	Max WS	58053.16	477.12	498.37	502.67	512.82	16.84	3447.17
Valsessera	112	Max WS	57795.68	473.92	495.44	501.73	516.73	20.44	2827.03
Valsessera	111	Max WS	57390.29	471.50	491.86	498.99	515.83	21.69	2646.08
Valsessera	110	Max WS	55643.57	467.32	486.73	490.82	500.17	16.24	3426.32
Valsessera	109	Max WS	54816.77	464.55	484.95	487.58	494.85	13.94	3933.15
Valsessera	108	Max WS	54122.84	461.10	482.84	485.96	493.70	14.60	3705.98
Valsessera	107	Max WS	53702.53	458.48	480.98	483.73	491.06	14.07	3817.37
Valsessera	106	Max WS	53444.45	456.41	479.40	484.33	495.15	17.58	3039.72
Valsessera	105	Max WS	52537.15	452.37	474.73	479.06	488.68	16.55	3174.05
Valsessera	104	Max WS	51995.31	449.43	472.00	475.87	484.79	15.84	3281.96
Valsessera	103	Max WS	51597.48	447.19	469.96	473.22	481.00	14.72	3506.06
Valsessera	102	Max WS	51267.57	445.43	467.88	472.58	483.44	17.48	2933.71
Valsessera	101	Max WS	50736.63	443.93	465.38	468.97	476.58	14.82	3423.09
Valsessera	100	Max WS	50113.88	442.31	462.79	467.94	479.35	18.03	2779.81
Valsessera	99	Max WS	49464.29	440.95	460.66	462.85	468.76	12.61	3921.93
Valsessera	98	Max WS	48925.48	438.94	458.24	462.18	470.00	15.19	3220.32
Valsessera	97	Max WS	48549.94	437.55	456.47	459.40	466.58	14.09	3446.64
Valsessera	96	Max WS	48181.25	436.32	454.78	457.28	463.72	13.25	3637.54
Valsessera	95	Max WS	47838.57	435.30	453.43	455.99	462.22	13.14	3641.98
Valsessera	94	Max WS	47330.16	434.29	451.67	454.58	461.41	13.83	3422.64
Valsessera	93	Max WS	46481.71	433.31	449.63	452.12	458.07	12.87	3612.27
Valsessera	92	Max WS	45684.96	432.30	447.95	449.18	454.09	10.98	4162.10
Valsessera	91	Max WS	44928.70	431.01	446.48	448.95	455.11	13.01	3453.18
Valsessera	90	Max WS	43863.81	429.70	444.60	447.11	453.10	12.92	3394.71
Valsessera	89	Max WS	43201.40	428.51	443.33	444.02	448.80	10.36	4168.03
Valsessera	88	Max WS	42744.84	426.95	442.24	444.24	449.31	11.78	3629.24
Valsessera	87	Max WS	42366.82	425.80	441.10	441.96	446.67	10.46	4051.36
Valsessera	86	Max WS	42196.55	424.62	440.20	441.23	446.19	10.85	3890.64
Valsessera	85	Max WS	41946.11	423.44	438.67	441.34	448.04	13.56	3093.09
Valsessera	84	Max WS	41538.27	422.16	436.51	439.50	446.25	13.82	3004.94
Valsessera	83	Max WS	40936.73	420.82	434.28	436.25	441.58	11.97	3419.32
Valsessera	82	Max WS	40338.25	418.92	432.15	432.04	436.44	9.18	4394.65
Valsessera	81	Max WS	39945.07	417.06	430.19	433.10	439.96	13.85	2884.73
Valsessera	80	Max WS	39164.63	415.53	427.84	429.40	434.01	11.01	3557.12
Valsessera	79	Max WS	38596.37	413.88	426.36	427.09	430.86	9.40	4105.62
Valsessera	78	Max WS	38066.34	412.20	424.88	425.91	429.56	9.58	3974.12
Valsessera	77	Max WS	28466.42	411.00	425.18		425.90	3.75	7598.01
Valsessera	76	Max WS	35627.77	409.54	423.20	424.13	427.65	9.35	3811.94
Valsessera	75	Max WS	31366.97	408.16	422.20	421.94	425.19	7.66	4095.93
Valsessera	74	Max WS	31544.63	406.49	421.45	421.24	424.49	7.73	4079.71
Valsessera	73	Max WS	32071.01	404.89	420.40	420.15	424.45	8.92	3595.56
Valsessera	72	Max WS	31761.19	402.93	419.52	419.64	423.56	8.91	3564.59
Valsessera	71	Max WS	31116.56	401.06	419.05		422.13	7.77	4007.21
Valsessera	70	Max WS	30978.52	399.24	417.83	420.36	426.78	13.25	2337.29
Valsessera	69	Max WS	30932.81	397.41	415.55	418.89	426.71	14.80	2089.95
Valsessera	68	Max WS	30855.85	396.13	413.74	417.84	426.90	16.07	1919.72
Valsessera	67	Max WS	30456.41	394.43	411.33	415.04	423.82	15.66	1945.00

HEC-RAS Plan: RT3 River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	Vel Chnl	Flow Area
			(m3/s)	(m)	(m)	(m)	(m)	(m/s)	(m2)
Valsessera	66	Max WS	30329.07	392.99	409.26	412.13	419.75	14.35	2113.79
Valsessera	65	Max WS	30137.05	391.99	407.94	410.79	418.29	14.26	2114.01
Valsessera	64	Max WS	29704.94	391.00	406.61	409.42	416.48	13.91	2134.84
Valsessera	63	Max WS	29100.71	389.67	404.99	405.16	409.73	9.65	3016.54
Valsessera	62	Max WS	28310.71	388.72	404.32		407.62	8.06	3514.66
Valsessera	61	Max WS	28464.66	387.46	404.71		407.06	6.80	4188.08
Valsessera	60	Max WS	29206.02	385.94	403.04	403.96	409.91	11.61	2515.12
Valsessera	59	Max WS	28935.31	384.84	401.12	406.08	417.22	17.78	1627.77
Valsessera	58	Max WS	28799.05	383.84	398.43	404.21	416.67	18.92	1522.05
Valsessera	57	Max WS	28633.91	382.39	395.18	398.67	406.87	15.15	1890.57
Valsessera	56	Max WS	28177.17	380.94	392.52	394.07	398.40	10.75	2621.99
Valsessera	55	Max WS	27614.16	379.48	390.77	391.74	395.17	9.30	2968.77
Valsessera	54	Max WS	26780.12	378.02	389.58	389.66	392.81	7.97	3361.60
Valsessera	53	Max WS	25987.57	376.76	388.87	388.78	391.40	7.04	3692.39
Valsessera	52	Max WS	23196.06	375.50	389.67		390.41	3.82	6079.17
Valsessera	51	Max WS	22504.71	374.25	388.58		390.21	5.66	3973.47
Valsessera	50	Max WS	22466.91	373.00	388.59		389.73	4.74	4737.03
Valsessera	49	Max WS	20468.37	372.00	387.12		389.03	6.12	3343.19
Valsessera	48	Max WS	21060.38	371.32	387.39		388.73	5.12	4110.01
Valsessera	47	Max WS	21654.08	370.37	385.98	386.34	389.16	7.90	2741.21
Valsessera	46	Max WS	21456.97	369.11	384.46	385.31	387.75	8.04	2669.07
Valsessera	45	Max WS	20161.61	366.70	380.81	380.72	382.97	6.52	3091.20
Valsessera	44	Max WS	19175.67	365.64	381.10		382.16	4.57	4197.37
Valsessera	43	Max WS	19520.53	364.58	381.49		382.07	3.36	5806.59
Valsessera	42	Max WS	19040.27	363.53	379.62		381.83	6.59	2890.98
Valsessera	41	Max WS	19243.04	362.21	377.47	377.79	382.33	9.77	1970.00
Valsessera	40	Max WS	19129.42	361.10	376.59	376.22	380.81	9.11	2100.57
Valsessera	39	Max WS	19101.36	360.00	375.87	378.15	381.40	10.42	1833.35
Valsessera	38	Max WS	19063.31	359.00	374.84	375.47	377.75	7.56	2521.66
Valsessera	37	Max WS	19028.61	358.21	373.12	374.99	379.12	10.85	1753.96
Valsessera	36	Max WS	19015.23	356.55	371.15	373.38	378.68	12.16	1564.13
Valsessera	35	Max WS	18998.16	354.33	369.42	370.12	374.82	10.30	1845.25
Valsessera	34	Max WS	18992.57	352.97	368.41	370.08	375.78	12.04	1578.06
Valsessera	33	Max WS	18985.22	351.97	366.93	369.33	375.84	13.23	1435.02
Valsessera	32	Max WS	18977.10	350.71	364.42	367.44	374.64	14.16	1340.04
Valsessera	31	Max WS	18963.45	349.55	361.61	363.84	369.67	12.58	1507.52
Valsessera	30	Max WS	18947.97	347.86	359.71	362.56	368.87	13.41	1413.15
Valsessera	29	Max WS	18925.41	346.15	357.66	359.66	364.45	11.55	1638.90
Valsessera	28	Max WS	18896.35	345.08	356.38	358.08	362.94	11.35	1664.35
Valsessera	27	Max WS	18841.38	344.00	355.00	356.20	360.06	9.96	1891.61
Valsessera	26	Max WS	18768.42	343.00	353.93	354.36	357.87	8.80	2132.49
Valsessera	25	Max WS	18276.85	342.13	353.76		355.80	6.32	2893.37
Valsessera	24	Max WS	18458.96	341.05	352.43		355.82	8.15	2265.35
Valsessera	23	Max WS	18489.65	339.97	351.71	352.22	355.89	9.06	2041.54
Valsessera	22	Max WS	18440.57	339.01	350.89	350.84	354.03	7.85	2350.61
Valsessera	21	Max WS	18146.21	337.72	351.63		352.75	4.68	3873.39
Valsessera	20	Max WS	18095.52	336.80	351.19		352.57	5.19	3484.05
Valsessera	19	Max WS	18086.31	335.88	350.72		352.35	5.66	3197.27
Valsessera	18	Max WS	17846.80	334.66	349.31		351.99	7.25	2460.25
Valsessera	17	Max WS	18042.18	334.31	348.50	348.75	352.42	8.77	2057.00
Valsessera	16	Max WS	18022.07	333.77	347.60	348.64	352.51	9.82	1836.06
Valsessera	15	Max WS	17964.00	333.07	346.18	346.81	350.00	8.66	2074.67
Valsessera	14	Max WS	17943.61	332.35	345.27	345.37	348.28	7.68	2337.86
Valsessera	13	Max WS	17750.47	331.42	344.32	344.13	346.88	7.09	2504.30
Valsessera	12	Max WS	17645.12	330.83	343.44	343.93	346.79	8.11	2175.42
Valsessera	11	Max WS	17583.41	330.28	342.47	342.48	345.14	7.24	2427.70
Valsessera	10	Max WS	17513.04	329.45	342.22		343.83	5.62	3116.21
Valsessera	9	Max WS	17494.90	328.87	341.91		343.43	5.46	3205.20
Valsessera	8	Max WS	17492.20	328.30	339.98	342.57	349.04	13.33	1311.76
Valsessera	7	Max WS	17451.09	327.60	336.38	338.31	341.86	10.37	1682.97
Valsessera	6	Max WS	17405.50	326.74	335.04	334.64	336.83	5.92	2941.28
Valsessera	5	Max WS	17373.44	326.03	333.93	334.00	335.52	5.58	3115.32
Valsessera	4	Max WS	17329.50	325.01	332.16	332.23	333.83	5.72	3031.14

HEC-RAS Plan: RT3 River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	3	Max WS	17231.70	323.95	330.84	330.89	332.51	5.72	3013.03
Valsessera	2	Max WS	16827.45	322.90	329.86		331.11	4.94	3403.23
Valsessera	1	Max WS	16807.50	321.52	330.05		330.62	3.36	5004.71
Valsessera	0.47	Max WS	16186.15	317.41	324.52		325.65	4.71	3437.10
Valsessera	0.46	Max WS	15344.16	309.82	317.18		318.36	4.81	3191.70
Valsessera	0.45	Max WS	14910.10	304.82	311.22		312.21	4.41	3381.65
Valsessera	0.44	Max WS	14136.54	298.39	304.92		305.79	4.13	3422.26
Valsessera	0.43	Max WS	12950.51	289.65	296.53		297.43	4.21	3075.69
Valsessera	0.42	Max WS	10619.80	282.55	289.71		289.89	1.89	5605.57
Valsessera	0.41	Max WS	9489.45	275.73	285.02		285.87	4.08	2328.02
Valsessera	0.40	Max WS	8592.36	268.74	276.92		277.43	3.15	2723.80
Valsessera	0.39	Max WS	8291.89	266.64	276.22		276.42	1.97	4198.44
Valsessera	0.38	Max WS	8194.58	261.42	272.12		273.45	5.10	1605.30
Valsessera	0.37	Max WS	8098.96	257.97	267.63		267.93	2.44	3321.94
Valsessera	0.36	Max WS	8023.56	255.06	265.61		265.95	2.60	3085.33
Valsessera	0.35	Max WS	7447.03	248.26	256.64		256.84	1.96	3802.45
Valsessera	0.34	Max WS	6679.30	242.65	249.99		250.13	1.65	4051.82
Valsessera	0.33	Max WS	5483.10	235.62	243.94		244.08	1.65	3326.47
Valsessera	0.32	Max WS	4897.53	232.27	240.01		240.16	1.71	2860.61
Valsessera	0.31	Max WS	4655.85	224.09	230.79		230.93	1.66	2812.01
Valsessera	0.30	Max WS	4527.48	216.97	223.05		223.20	1.73	2623.86
Valsessera	0.29	Max WS	4482.23	211.14	215.57		215.79	2.06	2173.24
Valsessera	0.28	Max WS	4450.08	207.44	211.37		211.50	1.57	2826.55
Valsessera	0.27	Max WS	4363.02	201.42	205.73		205.88	1.74	2501.26
Valsessera	0.26	Max WS	4184.15	195.58	201.33		201.49	1.79	2341.09
Valsessera	0.25	Max WS	4126.42	193.07	198.17		198.35	1.89	2188.86
Valsessera	0.24	Max WS	4098.58	188.80	192.82		193.00	1.88	2181.36
Valsessera	0.23	Max WS	4070.31	183.52	187.63		187.78	1.74	2334.00
Valsessera	0.22	Max WS	4055.75	178.38	182.34		182.53	1.96	2068.97
Valsessera	0.21	Max WS	4045.75	175.03	179.08		179.25	1.78	2266.89
Valsessera	0.20	Max WS	4030.18	170.56	174.80		174.98	1.85	2182.37
Valsessera	0.19	Max WS	3993.86	166.00	170.93		171.00	1.18	3388.65
Valsessera	0.18	Max WS	3934.70	162.01	166.92		166.98	1.01	3883.82
Valsessera	0.17	Max WS	3793.69	158.74	163.07		163.28	2.03	1867.59
Valsessera	0.16	Max WS	3766.30	154.95	159.03		159.16	1.62	2326.97
Valsessera	0.15	Max WS	3659.45	152.26	156.35		156.45	1.43	2555.00
Valsessera	0.14	Max WS	3526.57	149.20	153.78		153.85	1.21	2923.12
Valsessera	0.13	Max WS	3480.14	146.70	150.90		150.98	1.21	2880.59
Valsessera	0.12	Max WS	3448.16	144.75	148.97		149.06	1.36	2537.47
Valsessera	0.11	Max WS	3390.46	141.46	145.70		145.77	1.14	2977.93
Valsessera	0.10	Max WS	3309.48	138.10	142.79		142.88	1.35	2449.76
Valsessera	0.09	Max WS	3278.96	136.73	141.48		141.57	1.31	2494.99
Valsessera	0.08	Max WS	3229.41	133.62	138.03		138.15	1.49	2169.38
Valsessera	0.07	Max WS	3171.80	130.76	134.80		134.85	0.99	3215.61
Valsessera	0.06	Max WS	3022.05	127.51	131.62		131.69	1.11	2724.49
Valsessera	0.05	Max WS	2938.79	124.13	128.40		128.49	1.27	2310.28
Valsessera	0.04	Max WS	2920.05	122.11	126.25		126.37	1.55	1887.12
Valsessera	0.03	Max WS	2867.44	119.08	122.81		122.85	0.90	3195.94
Valsessera	0.02	Max WS	2764.12	117.14	120.88		120.98	1.44	1921.24
Valsessera	0.01	Max WS	2580.11	113.80	117.66	115.85	117.76	1.40	1837.90

*ONDA DI PIENA PRODOTTA DAL COLLASSO
DELLA PORZIONE AD ARCO – GRAVITA’
SINISTRA DELLO SBARRAMENTO*

HEC-RAS Plan: SX River: Sessera Reach: Valsessera Profile: Max WS

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	192	Max WS	29549.88	863.00	889.09	899.51	921.23	25.12	1176.30
Valsessera	191	Max WS	29548.94	859.27	885.36	901.86	947.74	34.99	844.44
Valsessera	190	Max WS	29542.77	850.37	874.93	890.73	935.06	34.35	859.94
Valsessera	189	Max WS	29536.11	844.50	868.85	885.84	934.99	36.03	819.74
Valsessera	188	Max WS	29513.94	840.00	862.18	874.50	904.26	28.74	1026.94
Valsessera	187	Max WS	29451.05	832.85	854.18	866.35	898.36	29.45	1000.13
Valsessera	186	Max WS	29401.24	827.00	848.45	861.19	894.74	30.14	975.46
Valsessera	185	Max WS	29327.28	820.00	840.71	853.33	893.85	32.30	908.04
Valsessera	184	Max WS	29156.19	810.94	831.18	843.15	874.41	29.13	1000.85
Valsessera	183	Max WS	28929.71	800.00	821.61	833.83	864.00	28.85	1002.94
Valsessera	182	Max WS	28704.08	785.00	808.35	821.74	855.74	30.50	941.09
Valsessera	181	Max WS	28618.93	777.10	800.02	813.77	849.75	31.25	915.94
Valsessera	180	Max WS	28548.17	768.05	789.90	804.05	847.01	33.48	852.59
Valsessera	179	Max WS	28423.35	760.11	779.32	793.27	837.99	33.94	837.57
Valsessera	178	Max WS	28318.60	757.00	775.82	788.38	823.31	30.53	927.45
Valsessera	177	Max WS	28037.46	749.89	769.92	779.57	801.61	24.94	1124.05
Valsessera	176	Max WS	27773.44	736.68	760.70	773.09	802.72	28.72	967.08
Valsessera	175	Max WS	27667.23	724.89	748.85	764.46	807.27	33.86	817.07
Valsessera	174	Max WS	27608.84	719.00	741.31	755.23	796.50	32.91	838.83
Valsessera	173	Max WS	27182.59	706.50	727.60	739.03	762.08	26.02	1044.85
Valsessera	172	Max WS	26916.96	700.00	721.91	729.88	746.50	21.97	1225.27
Valsessera	171	Max WS	26828.86	695.00	718.22	728.70	754.01	26.50	1012.29
Valsessera	170	Max WS	26758.02	690.07	713.26	723.58	747.48	25.92	1032.51
Valsessera	169	Max WS	26712.68	684.85	706.57	721.16	763.87	33.54	796.52
Valsessera	168	Max WS	26682.09	682.00	702.71	715.62	752.18	31.16	856.31
Valsessera	167	Max WS	26643.76	679.40	699.29	709.64	736.68	27.09	983.46
Valsessera	166	Max WS	26580.63	673.80	693.54	704.79	735.27	28.62	928.75
Valsessera	165	Max WS	26520.07	667.90	688.05	698.42	724.77	26.85	987.79
Valsessera	164	Max WS	26455.15	661.30	681.09	693.07	726.37	29.82	887.30
Valsessera	163	Max WS	26339.84	653.95	673.24	683.18	707.80	26.05	1011.30
Valsessera	162	Max WS	26181.55	643.38	663.73	673.01	695.57	25.00	1047.25
Valsessera	161	Max WS	26121.26	638.85	658.86	671.09	703.24	29.51	885.05
Valsessera	160	Max WS	25954.21	631.70	650.65	658.77	676.99	22.74	1141.42
Valsessera	159	Max WS	25925.58	630.10	649.25	658.57	680.66	24.83	1043.99
Valsessera	158	Max WS	25882.96	627.77	646.89	657.36	682.05	26.27	985.14
Valsessera	157	Max WS	25847.49	625.70	644.75	655.01	682.03	27.05	955.46
Valsessera	156	Max WS	25812.58	624.20	642.84	651.46	671.58	23.75	1086.64
Valsessera	155	Max WS	25764.26	620.48	639.52	649.23	671.88	25.21	1022.13
Valsessera	154	Max WS	25725.31	616.35	635.49	647.22	679.03	29.24	879.92
Valsessera	153	Max WS	25691.45	614.21	632.47	644.33	677.70	29.80	862.19
Valsessera	152	Max WS	25538.37	607.83	625.72	635.09	658.20	25.25	1011.40
Valsessera	151	Max WS	25470.56	604.80	623.27	632.28	653.64	24.41	1043.27
Valsessera	150	Max WS	25346.91	598.88	618.67	628.94	652.09	25.61	989.67
Valsessera	149	Max WS	25209.50	593.45	613.40	623.70	648.77	26.35	956.67
Valsessera	148	Max WS	25149.02	590.41	610.97	619.74	638.70	23.33	1077.87
Valsessera	147	Max WS	25087.16	585.40	607.61	616.61	636.54	23.83	1052.68
Valsessera	146	Max WS	25056.76	583.06	605.43	616.41	643.02	27.16	922.55
Valsessera	145	Max WS	25027.18	580.21	602.32	613.81	643.61	28.47	879.13
Valsessera	144	Max WS	24997.20	577.74	599.58	610.69	635.99	26.73	935.10
Valsessera	143	Max WS	24969.52	575.30	596.96	608.55	637.47	28.20	885.54
Valsessera	142	Max WS	24918.54	570.00	591.14	602.97	633.81	28.94	861.01
Valsessera	141	Max WS	24879.30	564.48	585.41	596.69	623.56	27.37	909.16
Valsessera	140	Max WS	24868.85	562.67	583.68	595.99	629.52	30.00	829.08
Valsessera	139	Max WS	24840.68	558.07	578.02	591.53	630.05	31.96	777.34
Valsessera	138	Max WS	24813.74	555.29	574.60	586.58	618.89	29.49	841.56
Valsessera	137	Max WS	24774.32	553.12	571.80	582.24	611.24	27.82	890.41
Valsessera	136	Max WS	24605.21	548.36	565.83	574.84	596.96	24.72	995.36
Valsessera	135	Max WS	24512.95	545.87	563.60	569.86	583.34	19.68	1245.41
Valsessera	134	Max WS	24443.63	542.86	561.41	568.84	585.30	21.65	1128.88
Valsessera	133	Max WS	24399.78	540.91	559.50	567.64	586.70	23.11	1056.02
Valsessera	132	Max WS	24338.95	537.44	556.00	564.59	583.99	23.44	1038.22
Valsessera	131	Max WS	24300.06	534.93	552.97	562.39	585.31	25.20	964.44
Valsessera	130	Max WS	24246.64	531.45	549.08	557.66	578.43	24.00	1010.17

HEC-RAS Plan: SX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	Vel Chnl	Flow Area
			(m3/s)	(m)	(m)	(m)	(m)	(m/s)	(m2)
Valsessera	129	Max WS	24221.45	529.85	547.33	555.88	577.75	24.44	991.22
Valsessera	128	Max WS	24131.16	524.36	541.40	549.95	569.80	23.61	1022.11
Valsessera	127	Max WS	24009.71	516.55	533.35	541.36	560.21	22.96	1045.66
Valsessera	126	Max WS	23967.66	512.67	529.85	538.17	558.35	23.65	1013.32
Valsessera	125	Max WS	23929.63	509.00	526.01	536.65	566.37	28.15	850.21
Valsessera	124	Max WS	23837.20	503.67	519.99	527.64	545.12	22.21	1073.43
Valsessera	123	Max WS	23790.72	500.38	516.74	524.80	544.06	23.16	1027.18
Valsessera	122	Max WS	23762.18	498.25	514.22	522.64	542.06	23.38	1016.52
Valsessera	121	Max WS	23736.44	495.40	510.70	519.22	540.00	23.98	989.69
Valsessera	120	Max WS	23705.26	492.12	506.62	513.58	529.35	21.12	1122.37
Valsessera	119	Max WS	23665.78	489.62	502.95	508.85	523.61	20.14	1174.98
Valsessera	118	Max WS	23540.64	487.96	500.56	504.70	514.63	16.61	1416.83
Valsessera	117	Max WS	23174.19	486.33	498.48	502.87	514.20	17.57	1319.27
Valsessera	116	Max WS	22856.43	484.81	497.17	498.48	503.01	10.70	2135.82
Valsessera	115	Max WS	22660.06	482.16	496.08	497.62	502.09	10.86	2086.46
Valsessera	114	Max WS	22534.31	479.40	494.74	496.07	500.39	10.53	2139.49
Valsessera	113	Max WS	22471.79	477.12	493.31	494.89	499.74	11.23	2000.29
Valsessera	112	Max WS	22420.13	473.92	490.51	494.19	503.22	15.79	1419.49
Valsessera	111	Max WS	22345.36	471.50	486.59	490.71	499.98	16.21	1378.24
Valsessera	110	Max WS	21931.58	467.32	481.69	483.81	488.83	11.84	1852.54
Valsessera	109	Max WS	21654.51	464.55	479.98	481.33	485.37	10.29	2103.83
Valsessera	108	Max WS	21345.16	461.10	477.77	479.43	483.87	10.94	1951.03
Valsessera	107	Max WS	21147.75	458.48	476.06	477.40	481.46	10.30	2053.30
Valsessera	106	Max WS	21047.47	456.41	474.57	476.95	482.44	12.43	1693.73
Valsessera	105	Max WS	20716.64	452.37	469.85	473.02	480.35	14.36	1443.16
Valsessera	104	Max WS	20523.45	449.43	466.93	468.76	473.32	11.20	1831.72
Valsessera	103	Max WS	20421.10	447.19	465.15	466.54	470.90	10.63	1921.48
Valsessera	102	Max WS	20369.06	445.43	463.28	466.25	471.92	13.02	1564.50
Valsessera	101	Max WS	20292.81	443.93	460.96	462.82	467.34	11.19	1813.91
Valsessera	100	Max WS	20176.01	442.31	458.25	461.27	468.05	13.87	1454.95
Valsessera	99	Max WS	19998.64	440.95	456.08	457.19	460.79	9.62	2079.59
Valsessera	98	Max WS	19852.96	438.94	454.11	455.14	459.23	10.02	1981.17
Valsessera	97	Max WS	19761.77	437.55	452.68	454.00	457.76	9.99	1978.35
Valsessera	96	Max WS	19667.80	436.32	451.12	452.27	455.69	9.47	2077.73
Valsessera	95	Max WS	19613.59	435.30	449.85	451.13	454.56	9.62	2039.57
Valsessera	94	Max WS	19548.84	434.29	448.20	450.05	454.02	10.69	1828.38
Valsessera	93	Max WS	19418.60	433.31	445.93	447.72	451.68	10.62	1828.54
Valsessera	92	Max WS	19279.11	432.30	444.17	444.22	447.30	7.84	2458.87
Valsessera	91	Max WS	19207.38	431.01	442.95	443.94	447.44	9.38	2047.18
Valsessera	90	Max WS	19039.76	429.70	440.98	442.73	446.86	10.74	1772.22
Valsessera	89	Max WS	18855.59	428.51	439.49	439.23	442.34	7.48	2520.11
Valsessera	88	Max WS	18742.19	426.95	438.52	439.58	442.94	9.31	2013.14
Valsessera	87	Max WS	18645.63	425.80	437.39	437.63	440.62	7.96	2341.31
Valsessera	86	Max WS	18604.98	424.62	436.58	436.73	439.80	7.96	2338.30
Valsessera	85	Max WS	18568.59	423.44	435.28	436.58	440.34	9.97	1861.99
Valsessera	84	Max WS	18531.15	422.16	433.36	435.17	439.20	10.71	1730.17
Valsessera	83	Max WS	18433.98	420.82	430.93	432.30	435.79	9.77	1887.59
Valsessera	82	Max WS	18095.81	418.92	429.21		431.09	6.08	2978.70
Valsessera	81	Max WS	18138.58	417.06	427.23	428.70	432.51	10.18	1782.53
Valsessera	80	Max WS	17971.47	415.53	425.14	425.78	428.54	8.17	2200.71
Valsessera	79	Max WS	17859.54	413.88	423.88	423.92	426.23	6.79	2629.83
Valsessera	78	Max WS	16521.91	412.20	422.68	422.70	424.81	6.47	2555.24
Valsessera	77	Max WS	16452.31	411.00	422.37		423.11	3.80	4328.67
Valsessera	76	Max WS	17613.55	409.54	420.65	421.50	423.95	8.05	2188.21
Valsessera	75	Max WS	16865.50	408.16	419.24	419.57	421.89	7.21	2337.99
Valsessera	74	Max WS	16649.30	406.49	418.02	418.56	421.06	7.72	2157.83
Valsessera	73	Max WS	16142.30	404.89	417.03		419.61	7.12	2268.28
Valsessera	72	Max WS	16429.58	402.93	416.07	416.44	419.30	7.97	2061.44
Valsessera	71	Max WS	16310.76	401.06	415.36		417.61	6.64	2455.08
Valsessera	70	Max WS	16252.55	399.24	413.97	416.44	421.07	11.80	1377.14
Valsessera	69	Max WS	16190.24	397.41	411.65	414.30	419.91	12.74	1271.20
Valsessera	68	Max WS	16130.70	396.13	409.82	412.71	418.94	13.38	1205.46
Valsessera	67	Max WS	16112.51	394.43	407.76	409.99	415.53	12.35	1304.61

HEC-RAS Plan: SX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	Vel Chnl	Flow Area
			(m3/s)	(m)	(m)	(m)	(m)	(m/s)	(m2)
Valsessera	66	Max WS	16057.12	392.99	405.90	407.37	412.21	11.12	1443.48
Valsessera	65	Max WS	15990.72	391.99	404.68	406.13	410.90	11.05	1447.74
Valsessera	64	Max WS	15703.21	391.00	403.50	404.83	409.33	10.69	1468.29
Valsessera	63	Max WS	15616.01	389.67	402.03	401.93	405.06	7.70	2027.95
Valsessera	62	Max WS	14885.44	388.72	401.50		403.61	6.44	2311.27
Valsessera	61	Max WS	14423.61	387.46	401.69		402.89	4.86	2967.73
Valsessera	60	Max WS	16483.82	385.94	399.58	399.88	404.12	9.45	1744.68
Valsessera	59	Max WS	15948.24	384.84	397.77	400.91	408.15	14.28	1117.16
Valsessera	58	Max WS	15786.06	383.84	395.43	398.94	406.42	14.68	1075.12
Valsessera	57	Max WS	15672.02	382.39	392.86	395.41	401.04	12.67	1236.81
Valsessera	56	Max WS	15529.60	380.94	390.21	391.29	394.39	9.06	1714.00
Valsessera	55	Max WS	15049.16	379.48	388.32	389.23	391.93	8.41	1788.50
Valsessera	54	Max WS	14841.19	378.02	386.90	386.98	389.58	7.24	2048.73
Valsessera	53	Max WS	14400.88	376.76	386.11	386.03	388.59	6.97	2065.63
Valsessera	52	Max WS	14073.42	375.50	386.41		387.38	4.35	3232.44
Valsessera	51	Max WS	14101.93	374.25	385.02	385.12	388.04	7.70	1831.75
Valsessera	50	Max WS	13820.28	373.00	384.86		386.41	5.50	2510.52
Valsessera	49	Max WS	13954.43	372.00	383.21		386.24	7.70	1811.13
Valsessera	48	Max WS	13819.99	371.32	383.45		385.32	6.05	2283.10
Valsessera	47	Max WS	13892.56	370.37	382.20	382.91	386.76	9.46	1468.18
Valsessera	46	Max WS	13849.54	369.11	380.71	383.89	387.92	11.89	1164.42
Valsessera	45	Max WS	13410.80	366.70	377.24	377.22	380.74	8.29	1616.81
Valsessera	44	Max WS	12920.89	365.64	377.63		379.21	5.57	2319.99
Valsessera	43	Max WS	13189.61	364.58	378.54		379.07	3.21	4103.64
Valsessera	42	Max WS	13145.10	363.53	376.90		378.82	6.15	2138.67
Valsessera	41	Max WS	13137.98	362.21	374.94	375.57	379.32	9.27	1417.91
Valsessera	40	Max WS	13127.40	361.10	373.76	374.03	377.73	8.82	1488.27
Valsessera	39	Max WS	13117.55	360.00	372.79	374.39	378.80	10.87	1207.21
Valsessera	38	Max WS	13102.65	359.00	371.71	372.41	376.06	9.24	1418.11
Valsessera	37	Max WS	13094.25	358.21	370.54	373.68	377.95	12.06	1086.15
Valsessera	36	Max WS	13082.19	356.55	369.08	371.49	375.75	11.44	1143.30
Valsessera	35	Max WS	13065.34	354.33	367.29	367.87	371.70	9.31	1403.48
Valsessera	34	Max WS	13058.80	352.97	366.24	367.35	371.97	10.60	1232.32
Valsessera	33	Max WS	13053.43	351.97	364.88	366.42	371.49	11.39	1145.99
Valsessera	32	Max WS	13045.42	350.71	362.50	364.79	370.25	12.33	1057.93
Valsessera	31	Max WS	13034.19	349.55	359.81	361.21	365.82	10.86	1199.89
Valsessera	30	Max WS	13021.79	347.86	358.03	360.14	365.01	11.71	1112.07
Valsessera	29	Max WS	13000.08	346.15	356.05	357.24	361.15	10.01	1299.33
Valsessera	28	Max WS	12980.28	345.08	354.80	356.22	360.11	10.21	1271.00
Valsessera	27	Max WS	12943.76	344.00	353.38	354.48	357.62	9.13	1417.34
Valsessera	26	Max WS	12902.18	343.00	352.25	352.67	355.55	8.05	1602.47
Valsessera	25	Max WS	12619.58	342.13	351.93		353.60	5.73	2202.41
Valsessera	24	Max WS	12557.25	341.05	350.83		353.30	6.96	1804.28
Valsessera	23	Max WS	12586.48	339.97	350.01	350.41	353.39	8.15	1544.69
Valsessera	22	Max WS	12317.79	339.01	349.17	349.16	351.73	7.09	1737.34
Valsessera	21	Max WS	12028.06	337.72	349.66		350.51	4.08	2949.42
Valsessera	20	Max WS	11990.44	336.80	349.30		350.32	4.48	2678.95
Valsessera	19	Max WS	11966.82	335.88	348.97		350.11	4.74	2522.72
Valsessera	18	Max WS	11833.53	334.66	347.97		349.73	5.89	2009.95
Valsessera	17	Max WS	11970.23	334.31	346.88	346.84	349.74	7.49	1597.30
Valsessera	16	Max WS	11955.45	333.77	346.03	346.69	349.69	8.48	1410.51
Valsessera	15	Max WS	11933.95	333.07	344.68	345.02	347.65	7.64	1561.66
Valsessera	14	Max WS	11922.99	332.35	343.76		346.12	6.81	1750.91
Valsessera	13	Max WS	11890.91	331.42	342.83		344.90	6.36	1868.66
Valsessera	12	Max WS	11864.19	330.83	341.85	342.45	344.92	7.76	1527.93
Valsessera	11	Max WS	11828.88	330.28	340.68	340.84	343.20	7.03	1682.45
Valsessera	10	Max WS	11720.33	329.45	339.81		341.52	5.80	2020.85
Valsessera	9	Max WS	11671.10	328.87	339.59		340.95	5.16	2261.26
Valsessera	8	Max WS	11834.64	328.30	337.78	341.27	348.93	14.80	799.90
Valsessera	7	Max WS	11758.55	327.60	335.05	336.39	339.29	9.12	1289.22
Valsessera	6	Max WS	11718.09	326.74	333.70	333.55	335.29	5.59	2096.52
Valsessera	5	Max WS	11477.10	326.03	332.89	332.78	334.28	5.23	2192.95
Valsessera	4	Max WS	11682.54	325.01	331.45	331.44	332.72	5.00	2335.62

HEC-RAS Plan: SX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	3	Max WS	11647.22	323.95	330.05	330.11	331.40	5.14	2267.73
Valsessera	2	Max WS	11480.79	322.90	328.78	328.81	330.04	4.97	2309.12
Valsessera	1	Max WS	11309.90	321.52	328.63		329.12	3.11	3631.45
Valsessera	0.47	Max WS	10728.93	317.41	323.21		324.06	4.07	2634.35
Valsessera	0.46	Max WS	10029.12	309.82	315.96		316.84	4.16	2412.35
Valsessera	0.45	Max WS	9704.34	304.82	310.21		310.92	3.75	2587.96
Valsessera	0.44	Max WS	9343.83	298.39	303.90		304.58	3.68	2540.45
Valsessera	0.43	Max WS	8663.96	289.65	295.39		296.12	3.77	2295.46
Valsessera	0.42	Max WS	7499.78	282.55	288.83		288.98	1.68	4458.59
Valsessera	0.41	Max WS	6912.83	275.73	284.09		284.80	3.75	1842.17
Valsessera	0.40	Max WS	6475.63	268.74	275.96		276.43	3.03	2136.50
Valsessera	0.39	Max WS	6302.81	266.64	275.10		275.27	1.84	3428.15
Valsessera	0.38	Max WS	6205.14	261.42	270.35		271.72	5.18	1197.88
Valsessera	0.37	Max WS	6129.58	257.97	267.05		267.29	2.18	2806.38
Valsessera	0.36	Max WS	6061.80	255.06	265.04		265.35	2.47	2456.60
Valsessera	0.35	Max WS	5447.20	248.26	256.09		256.27	1.89	2884.22
Valsessera	0.34	Max WS	5084.26	242.65	249.50		249.63	1.59	3198.51
Valsessera	0.33	Max WS	4838.84	235.62	243.13		243.35	2.05	2359.21
Valsessera	0.32	Max WS	4652.94	232.27	239.34		239.59	2.24	2081.63
Valsessera	0.31	Max WS	4142.81	224.09	230.46		230.63	1.83	2262.56
Valsessera	0.30	Max WS	4067.45	216.97	222.78		222.95	1.84	2208.10
Valsessera	0.29	Max WS	4057.08	211.14	215.42		215.62	2.00	2028.60
Valsessera	0.28	Max WS	4049.54	207.44	211.22		211.34	1.53	2648.61
Valsessera	0.27	Max WS	4013.33	201.42	205.51		205.66	1.72	2328.00
Valsessera	0.26	Max WS	3948.30	195.58	200.92		201.14	2.05	1930.64
Valsessera	0.25	Max WS	3921.51	193.07	198.00		198.19	1.93	2030.38
Valsessera	0.24	Max WS	3904.49	188.80	192.70		192.88	1.87	2086.62
Valsessera	0.23	Max WS	3876.95	183.52	187.50		187.66	1.75	2210.98
Valsessera	0.22	Max WS	3860.64	178.38	182.25		182.44	1.93	2002.18
Valsessera	0.21	Max WS	3849.10	175.03	178.99		179.15	1.76	2185.19
Valsessera	0.20	Max WS	3829.51	170.56	174.71		174.88	1.82	2100.57
Valsessera	0.19	Max WS	3776.13	166.00	170.85		170.92	1.16	3249.03
Valsessera	0.18	Max WS	3694.00	162.01	166.84		166.89	1.00	3687.32
Valsessera	0.17	Max WS	3570.32	158.74	162.94		163.15	2.00	1781.48
Valsessera	0.16	Max WS	3541.99	154.95	158.90		159.04	1.62	2192.24
Valsessera	0.15	Max WS	3500.76	152.26	156.08		156.21	1.55	2252.20
Valsessera	0.14	Max WS	3312.34	149.20	153.56		153.64	1.26	2627.31
Valsessera	0.13	Max WS	3216.79	146.70	150.77		150.85	1.20	2680.60
Valsessera	0.12	Max WS	3182.89	144.75	148.82		148.91	1.37	2328.42
Valsessera	0.11	Max WS	3118.97	141.46	145.55		145.62	1.13	2759.42
Valsessera	0.10	Max WS	3036.67	138.10	142.61		142.70	1.34	2263.68
Valsessera	0.09	Max WS	3007.14	136.73	141.30		141.39	1.29	2335.83
Valsessera	0.08	Max WS	2957.49	133.62	137.87		137.98	1.45	2038.88
Valsessera	0.07	Max WS	2896.89	130.76	134.66		134.71	0.95	3037.95
Valsessera	0.06	Max WS	2749.32	127.51	131.45		131.51	1.09	2518.60
Valsessera	0.05	Max WS	2669.75	124.13	128.22		128.30	1.24	2159.51
Valsessera	0.04	Max WS	2652.36	122.11	126.08		126.19	1.50	1762.79
Valsessera	0.03	Max WS	2609.38	119.08	122.62		122.66	0.88	2971.80
Valsessera	0.02	Max WS	2462.29	117.14	120.67		120.77	1.40	1764.69
Valsessera	0.01	Max WS	2233.66	113.80	117.41	115.70	117.50	1.35	1656.84

*ONDA DI PIENA PRODOTTA DAL COLLASSO
DELLA PORZIONE AD ARCO – GRAVITA’
DESTRA DELLO SBARRAMENTO*

HEC-RAS Plan: DX River: Sessera Reach: Valsessera Profile: Max WS

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	Vel Chnl	Flow Area
			(m3/s)	(m)	(m)	(m)	(m)	(m/s)	(m2)
Valsessera	192	Max WS	22245.42	863.00	886.01	894.58	912.23	22.69	980.53
Valsessera	191	Max WS	22244.82	859.27	882.19	896.80	935.48	32.34	687.79
Valsessera	190	Max WS	22240.93	850.37	871.88	885.88	922.64	31.56	704.63
Valsessera	189	Max WS	22236.10	844.50	866.05	880.59	920.92	32.82	677.51
Valsessera	188	Max WS	22220.83	840.00	859.43	870.04	894.82	26.36	843.13
Valsessera	187	Max WS	22175.78	832.85	851.57	862.26	889.68	27.35	810.70
Valsessera	186	Max WS	22145.08	827.00	845.92	857.00	885.27	27.79	796.84
Valsessera	185	Max WS	22104.26	820.00	838.27	849.78	885.82	30.55	723.51
Valsessera	184	Max WS	22002.47	810.94	828.49	839.02	866.37	27.27	806.84
Valsessera	183	Max WS	21854.77	800.00	818.74	829.46	855.64	26.91	812.05
Valsessera	182	Max WS	21708.23	785.00	805.48	817.18	846.44	28.36	765.50
Valsessera	181	Max WS	21650.39	777.10	797.27	809.14	839.34	28.74	753.42
Valsessera	180	Max WS	21609.52	768.05	787.45	800.06	836.49	31.03	696.51
Valsessera	179	Max WS	21546.44	760.11	776.89	789.16	828.61	31.86	676.22
Valsessera	178	Max WS	21485.19	757.00	773.31	784.41	814.85	28.55	752.42
Valsessera	177	Max WS	21314.49	749.89	767.25	775.73	795.19	23.42	910.04
Valsessera	176	Max WS	21143.14	736.68	757.76	768.62	794.74	26.94	784.71
Valsessera	175	Max WS	21069.66	724.89	746.01	759.55	795.11	31.04	678.74
Valsessera	174	Max WS	21036.67	719.00	738.79	751.06	786.61	30.64	686.64
Valsessera	173	Max WS	20805.03	706.50	724.97	734.39	755.29	24.40	852.74
Valsessera	172	Max WS	20635.59	700.00	719.27	726.56	741.50	20.89	987.95
Valsessera	171	Max WS	20574.26	695.00	715.66	725.19	747.39	24.96	824.38
Valsessera	170	Max WS	20526.52	690.07	710.66	719.81	740.68	24.27	845.64
Valsessera	169	Max WS	20497.24	684.85	704.19	716.76	752.43	30.77	666.13
Valsessera	168	Max WS	20480.40	682.00	700.48	711.80	742.69	28.78	711.51
Valsessera	167	Max WS	20456.99	679.40	697.11	706.34	730.17	25.47	803.05
Valsessera	166	Max WS	20416.08	673.80	691.34	701.47	727.64	26.69	764.83
Valsessera	165	Max WS	20377.92	667.90	685.88	694.96	717.76	25.01	814.65
Valsessera	164	Max WS	20335.29	661.30	678.98	689.33	717.70	27.57	737.57
Valsessera	163	Max WS	20258.11	653.95	671.14	679.97	700.99	24.21	836.92
Valsessera	162	Max WS	20139.70	643.38	661.57	669.79	689.41	23.38	861.43
Valsessera	161	Max WS	20102.51	638.85	656.76	667.15	694.48	27.21	738.77
Valsessera	160	Max WS	19999.93	631.70	648.53	655.56	671.33	21.15	945.50
Valsessera	159	Max WS	19982.71	630.10	647.12	655.25	674.48	23.17	862.30
Valsessera	158	Max WS	19956.65	627.77	644.79	653.76	674.73	24.24	823.34
Valsessera	157	Max WS	19934.33	625.70	642.65	651.95	676.17	25.65	777.12
Valsessera	156	Max WS	19911.26	624.20	640.68	648.46	666.33	22.44	887.40
Valsessera	155	Max WS	19879.52	620.48	637.34	645.64	665.11	23.35	851.39
Valsessera	154	Max WS	19858.39	616.35	633.40	643.64	670.22	26.89	738.64
Valsessera	153	Max WS	19842.08	614.21	630.46	640.84	669.43	27.66	717.42
Valsessera	152	Max WS	19759.08	607.83	623.59	631.96	652.92	24.00	823.38
Valsessera	151	Max WS	19717.59	604.80	621.03	629.11	648.22	23.10	853.42
Valsessera	150	Max WS	19640.53	598.88	616.35	625.26	645.08	23.74	827.15
Valsessera	149	Max WS	19547.22	593.45	610.97	620.26	642.38	24.83	787.26
Valsessera	148	Max WS	19509.48	590.41	608.54	616.22	632.56	21.72	898.32
Valsessera	147	Max WS	19467.17	585.40	605.15	612.96	630.19	22.17	878.12
Valsessera	146	Max WS	19450.98	583.06	603.02	612.66	635.69	25.32	768.11
Valsessera	145	Max WS	19428.11	580.21	599.97	610.03	636.00	26.59	730.53
Valsessera	144	Max WS	19408.09	577.74	597.20	607.04	628.46	24.77	783.53
Valsessera	143	Max WS	19392.17	575.30	594.60	604.68	630.71	26.62	728.41
Valsessera	142	Max WS	19355.17	570.00	588.73	599.20	626.49	27.23	710.90
Valsessera	141	Max WS	19326.91	564.48	583.03	592.82	615.88	25.39	761.08
Valsessera	140	Max WS	19319.59	562.67	581.38	592.35	621.26	27.98	690.50
Valsessera	139	Max WS	19299.88	558.07	575.90	587.63	620.63	29.63	651.32
Valsessera	138	Max WS	19281.54	555.29	572.62	582.98	610.14	27.14	710.48
Valsessera	137	Max WS	19257.58	553.12	569.93	579.15	604.33	25.99	741.05
Valsessera	136	Max WS	19144.47	548.36	563.91	571.92	591.51	23.28	822.52
Valsessera	135	Max WS	19077.99	545.87	561.63	567.27	579.39	18.68	1021.54
Valsessera	134	Max WS	19026.42	542.86	559.34	566.09	580.75	20.50	927.96
Valsessera	133	Max WS	18996.85	540.91	557.43	564.76	581.56	21.76	872.99
Valsessera	132	Max WS	18954.30	537.44	554.02	561.53	577.84	21.62	876.64
Valsessera	131	Max WS	18930.30	534.93	551.13	559.26	578.87	23.34	811.17
Valsessera	130	Max WS	18898.54	531.45	547.30	554.87	572.44	22.21	850.81

HEC-RAS Plan: DX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	129	Max WS	18881.57	529.85	545.58	553.21	572.67	23.06	818.82
Valsessera	128	Max WS	18826.55	524.36	539.62	547.65	564.48	22.09	852.21
Valsessera	127	Max WS	18740.82	516.55	531.53	538.61	555.43	21.66	865.34
Valsessera	126	Max WS	18708.79	512.67	527.99	535.47	553.17	22.23	841.55
Valsessera	125	Max WS	18683.35	509.00	524.20	533.84	559.51	26.33	709.68
Valsessera	124	Max WS	18626.97	503.67	518.20	524.89	540.19	20.78	896.54
Valsessera	123	Max WS	18594.57	500.38	514.97	522.09	538.47	21.48	865.83
Valsessera	122	Max WS	18575.69	498.25	512.53	519.66	536.04	21.48	864.86
Valsessera	121	Max WS	18557.04	495.40	509.19	516.42	533.42	21.81	850.88
Valsessera	120	Max WS	18536.07	492.12	505.39	511.13	524.03	19.13	969.16
Valsessera	119	Max WS	18510.49	489.62	501.93	506.91	518.98	18.30	1011.69
Valsessera	118	Max WS	18448.82	487.96	499.65	503.18	511.73	15.40	1198.11
Valsessera	117	Max WS	18224.78	486.33	497.53	501.39	511.52	16.57	1100.00
Valsessera	116	Max WS	17984.61	484.81	496.15	497.19	501.07	9.83	1829.03
Valsessera	115	Max WS	17826.96	482.16	495.01	496.37	500.31	10.20	1748.51
Valsessera	114	Max WS	17728.87	479.40	493.61	494.79	498.58	9.88	1794.06
Valsessera	113	Max WS	17680.11	477.12	492.22	493.45	497.61	10.29	1717.68
Valsessera	112	Max WS	17650.61	473.92	489.43	492.91	501.46	15.37	1148.60
Valsessera	111	Max WS	17601.36	471.50	485.48	489.19	497.22	15.18	1159.25
Valsessera	110	Max WS	17302.91	467.32	480.65	482.42	486.77	10.96	1578.26
Valsessera	109	Max WS	17081.36	464.55	478.96	480.12	483.69	9.63	1773.07
Valsessera	108	Max WS	16831.93	461.10	476.72	478.24	482.12	10.30	1634.83
Valsessera	107	Max WS	16703.44	458.48	474.99	476.27	479.86	9.78	1707.76
Valsessera	106	Max WS	16562.47	456.41	473.46	475.52	480.39	11.66	1420.61
Valsessera	105	Max WS	16336.61	452.37	468.23	471.95	479.56	14.91	1095.57
Valsessera	104	Max WS	16251.80	449.43	465.62	467.03	471.30	10.56	1538.76
Valsessera	103	Max WS	16190.75	447.19	463.76	465.37	469.43	10.55	1534.90
Valsessera	102	Max WS	16159.13	445.43	461.91	464.77	469.97	12.58	1284.51
Valsessera	101	Max WS	16128.26	443.93	459.98	461.77	465.86	10.74	1501.94
Valsessera	100	Max WS	16075.02	442.31	457.33	460.11	466.17	13.18	1220.09
Valsessera	99	Max WS	15980.48	440.95	455.14	456.10	459.35	9.09	1758.07
Valsessera	98	Max WS	15867.19	438.94	453.20	453.97	457.52	9.21	1723.40
Valsessera	97	Max WS	15811.65	437.55	451.78	453.03	456.23	9.36	1690.14
Valsessera	96	Max WS	15770.95	436.32	450.33	451.38	454.42	8.96	1760.19
Valsessera	95	Max WS	15742.23	435.30	449.11	450.23	453.15	8.90	1768.08
Valsessera	94	Max WS	15702.24	434.29	447.49	449.08	452.73	10.15	1547.63
Valsessera	93	Max WS	15632.93	433.31	445.14	446.89	450.41	10.17	1536.54
Valsessera	92	Max WS	15554.66	432.30	443.41	443.34	446.07	7.23	2150.15
Valsessera	91	Max WS	15512.91	431.01	442.25	443.01	446.05	8.63	1796.62
Valsessera	90	Max WS	15438.31	429.70	440.31	441.96	445.76	10.35	1491.93
Valsessera	89	Max WS	15312.85	428.51	438.76		441.16	6.86	2231.49
Valsessera	88	Max WS	15242.37	426.95	437.77	438.73	441.74	8.83	1725.45
Valsessera	87	Max WS	15165.79	425.80	436.58	436.80	439.46	7.52	2017.01
Valsessera	86	Max WS	15135.16	424.62	435.78	435.72	438.58	7.41	2043.46
Valsessera	85	Max WS	15114.49	423.44	434.57	435.68	438.89	9.22	1639.99
Valsessera	84	Max WS	15088.85	422.16	432.75	434.27	437.81	9.97	1514.17
Valsessera	83	Max WS	15022.38	420.82	430.25	431.57	434.71	9.35	1605.89
Valsessera	82	Max WS	14671.26	418.92	428.65		430.13	5.39	2724.02
Valsessera	81	Max WS	14798.34	417.06	426.61	427.82	431.15	9.45	1566.75
Valsessera	80	Max WS	14676.12	415.53	424.56	425.05	427.50	7.59	1933.50
Valsessera	79	Max WS	14536.45	413.88	423.34	423.22	425.32	6.24	2330.54
Valsessera	78	Max WS	13995.36	412.20	422.16	422.21	424.14	6.24	2244.06
Valsessera	77	Max WS	13161.08	411.00	421.78		422.43	3.57	3681.68
Valsessera	76	Max WS	14494.37	409.54	420.13	420.92	423.15	7.69	1883.64
Valsessera	75	Max WS	14174.84	408.16	418.63	419.06	421.19	7.09	1999.79
Valsessera	74	Max WS	13508.44	406.49	417.25	417.87	420.15	7.55	1789.21
Valsessera	73	Max WS	13380.74	404.89	416.26		418.56	6.72	1990.68
Valsessera	72	Max WS	13448.87	402.93	415.25	415.45	418.17	7.58	1775.31
Valsessera	71	Max WS	13405.79	401.06	414.43		416.54	6.43	2084.24
Valsessera	70	Max WS	13391.87	399.24	412.97	414.92	419.42	11.25	1190.42
Valsessera	69	Max WS	13380.30	397.41	410.70	412.98	418.33	12.24	1093.25
Valsessera	68	Max WS	13364.51	396.13	408.79	411.47	417.01	12.71	1051.91
Valsessera	67	Max WS	13347.73	394.43	406.88	408.68	413.62	11.50	1160.31

HEC-RAS Plan: DX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	66	Max WS	13300.73	392.99	405.10	406.28	410.53	10.33	1287.53
Valsessera	65	Max WS	13122.24	391.99	403.91	405.02	409.13	10.12	1296.16
Valsessera	64	Max WS	13109.61	391.00	402.76	403.82	407.82	9.96	1316.37
Valsessera	63	Max WS	12999.36	389.67	401.32	401.25	404.00	7.24	1794.64
Valsessera	62	Max WS	12208.34	388.72	400.91		402.66	5.86	2083.11
Valsessera	61	Max WS	12284.73	387.46	400.73		401.87	4.74	2593.67
Valsessera	60	Max WS	13885.26	385.94	398.70	398.93	402.75	8.91	1558.61
Valsessera	59	Max WS	13431.76	384.84	396.90	399.74	406.23	13.53	992.75
Valsessera	58	Max WS	13257.40	383.84	394.63	397.67	404.25	13.74	964.86
Valsessera	57	Max WS	13079.74	382.39	392.20	394.66	399.54	12.00	1089.54
Valsessera	56	Max WS	13005.09	380.94	389.69	390.60	393.37	8.50	1529.50
Valsessera	55	Max WS	12915.98	379.48	387.77	388.68	391.25	8.26	1562.98
Valsessera	54	Max WS	12791.20	378.02	386.29	386.39	388.83	7.06	1811.21
Valsessera	53	Max WS	12750.80	376.76	385.46	385.50	387.98	7.03	1813.15
Valsessera	52	Max WS	11808.52	375.50	385.67		386.55	4.17	2833.31
Valsessera	51	Max WS	12163.23	374.25	384.29	384.31	387.19	7.54	1613.23
Valsessera	50	Max WS	11963.60	373.00	384.06		385.57	5.44	2200.74
Valsessera	49	Max WS	12049.36	372.00	382.51		385.28	7.38	1633.33
Valsessera	48	Max WS	12020.27	371.32	382.71		384.45	5.85	2056.14
Valsessera	47	Max WS	12071.56	370.37	381.50	381.96	385.67	9.05	1334.34
Valsessera	46	Max WS	12017.00	369.11	380.04	383.55	386.60	11.35	1059.16
Valsessera	45	Max WS	11775.48	366.70	376.49	376.54	379.86	8.13	1449.08
Valsessera	44	Max WS	11260.53	365.64	376.77		378.30	5.48	2052.98
Valsessera	43	Max WS	11462.85	364.58	377.64		378.14	3.15	3634.90
Valsessera	42	Max WS	11422.27	363.53	376.14		377.88	5.84	1954.64
Valsessera	41	Max WS	11423.10	362.21	374.24	374.84	378.30	8.92	1280.35
Valsessera	40	Max WS	11412.07	361.10	373.12	373.33	376.74	8.43	1353.67
Valsessera	39	Max WS	11405.41	360.00	372.13	373.66	377.76	10.51	1085.28
Valsessera	38	Max WS	11395.21	359.00	371.02	371.80	375.15	9.00	1265.72
Valsessera	37	Max WS	11387.85	358.21	369.82	372.98	376.70	11.62	979.79
Valsessera	36	Max WS	11377.46	356.55	368.33	370.72	374.60	11.09	1025.77
Valsessera	35	Max WS	11364.45	354.33	366.58	367.17	370.72	9.01	1261.23
Valsessera	34	Max WS	11359.26	352.97	365.51	366.44	370.74	10.13	1121.33
Valsessera	33	Max WS	11353.95	351.97	364.20	365.41	370.10	10.76	1055.05
Valsessera	32	Max WS	11346.96	350.71	361.86	363.84	368.84	11.70	969.55
Valsessera	31	Max WS	11336.35	349.55	359.22	360.41	364.61	10.28	1102.22
Valsessera	30	Max WS	11328.60	347.86	357.47	359.31	363.76	11.12	1019.03
Valsessera	29	Max WS	11309.91	346.15	355.50	356.47	360.10	9.50	1190.73
Valsessera	28	Max WS	11290.12	345.08	354.25	355.62	359.22	9.88	1142.27
Valsessera	27	Max WS	11264.74	344.00	352.86	353.75	356.78	8.77	1284.19
Valsessera	26	Max WS	11226.10	343.00	351.70	352.14	354.81	7.81	1437.44
Valsessera	25	Max WS	11015.85	342.13	351.30		352.88	5.57	1978.91
Valsessera	24	Max WS	10707.34	341.05	350.33		352.44	6.44	1661.63
Valsessera	23	Max WS	10999.83	339.97	349.49	349.82	352.62	7.84	1402.76
Valsessera	22	Max WS	10843.75	339.01	348.64	348.67	351.10	6.95	1560.18
Valsessera	21	Max WS	10382.17	337.72	349.05		349.82	3.89	2671.98
Valsessera	20	Max WS	10362.89	336.80	348.71		349.63	4.25	2435.47
Valsessera	19	Max WS	10365.82	335.88	348.41		349.43	4.48	2314.35
Valsessera	18	Max WS	10297.96	334.66	347.49		349.06	5.55	1854.08
Valsessera	17	Max WS	10376.69	334.31	346.32	346.20	348.94	7.18	1445.09
Valsessera	16	Max WS	10365.03	333.77	345.50	345.98	348.84	8.10	1279.33
Valsessera	15	Max WS	10348.82	333.07	344.16	344.54	346.96	7.41	1395.90
Valsessera	14	Max WS	10332.65	332.35	343.22		345.38	6.52	1585.48
Valsessera	13	Max WS	10282.97	331.42	342.40		344.26	6.05	1698.45
Valsessera	12	Max WS	10286.21	330.83	341.38	342.07	344.32	7.60	1352.74
Valsessera	11	Max WS	10263.68	330.28	340.17	340.33	342.55	6.84	1501.55
Valsessera	10	Max WS	10202.55	329.45	339.25		340.89	5.68	1795.35
Valsessera	9	Max WS	10210.94	328.87	338.97		340.27	5.04	2024.07
Valsessera	8	Max WS	10207.97	328.30	337.19	340.83	347.45	14.20	719.12
Valsessera	7	Max WS	10201.71	327.60	334.69	335.58	338.40	8.54	1194.93
Valsessera	6	Max WS	10190.66	326.74	333.39		334.83	5.32	1915.26
Valsessera	5	Max WS	10174.36	326.03	332.65	332.47	333.94	5.02	2027.08
Valsessera	4	Max WS	10172.01	325.01	331.24	331.22	332.39	4.76	2137.32

HEC-RAS Plan: DX River: Sessera Reach: Valsessera Profile: Max WS (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Vel Chnl (m/s)	Flow Area (m2)
Valsessera	3	Max WS	10153.09	323.95	329.84	329.88	331.06	4.91	2069.63
Valsessera	2	Max WS	10075.77	322.90	328.51	328.59	329.74	4.92	2049.22
Valsessera	1	Max WS	9933.66	321.52	328.23		328.70	3.04	3272.60
Valsessera	0.47	Max WS	9488.70	317.41	322.88		323.65	3.89	2439.46
Valsessera	0.46	Max WS	8961.32	309.82	315.68		316.49	4.00	2242.59
Valsessera	0.45	Max WS	8700.12	304.82	309.96		310.63	3.62	2400.32
Valsessera	0.44	Max WS	8421.21	298.39	303.67		304.32	3.57	2359.11
Valsessera	0.43	Max WS	7848.65	289.65	295.05		295.76	3.74	2100.95
Valsessera	0.42	Max WS	6887.21	282.55	288.65		288.78	1.63	4221.31
Valsessera	0.41	Max WS	6399.87	275.73	283.88		284.57	3.67	1741.54
Valsessera	0.40	Max WS	6059.22	268.74	275.74		276.20	3.01	2012.16
Valsessera	0.39	Max WS	5910.86	266.64	274.83		275.00	1.82	3256.48
Valsessera	0.38	Max WS	5839.70	261.42	270.08		271.40	5.09	1146.18
Valsessera	0.37	Max WS	5759.10	257.97	266.90		267.14	2.15	2683.89
Valsessera	0.36	Max WS	5676.12	255.06	264.87		265.19	2.48	2290.58
Valsessera	0.35	Max WS	5133.37	248.26	255.87		256.07	1.98	2592.35
Valsessera	0.34	Max WS	4942.84	242.65	249.40		249.53	1.62	3050.40
Valsessera	0.33	Max WS	4718.15	235.62	243.05		243.26	2.06	2291.11
Valsessera	0.32	Max WS	4573.71	232.27	239.18		239.45	2.31	1978.90
Valsessera	0.31	Max WS	4121.43	224.09	230.41		230.59	1.87	2206.89
Valsessera	0.30	Max WS	4034.59	216.97	222.75		222.93	1.85	2181.15
Valsessera	0.29	Max WS	4025.59	211.14	215.40		215.61	2.00	2017.67
Valsessera	0.28	Max WS	4017.79	207.44	211.21		211.32	1.53	2633.74
Valsessera	0.27	Max WS	3976.20	201.42	205.49		205.64	1.72	2308.17
Valsessera	0.26	Max WS	3920.03	195.58	200.89		201.11	2.06	1904.23
Valsessera	0.25	Max WS	3888.98	193.07	197.97		198.16	1.94	2002.31
Valsessera	0.24	Max WS	3869.01	188.80	192.68		192.86	1.87	2069.58
Valsessera	0.23	Max WS	3838.44	183.52	187.47		187.63	1.75	2187.28
Valsessera	0.22	Max WS	3820.70	178.38	182.23		182.42	1.92	1988.32
Valsessera	0.21	Max WS	3807.09	175.03	178.97		179.13	1.76	2167.28
Valsessera	0.20	Max WS	3784.58	170.56	174.69		174.85	1.82	2081.96
Valsessera	0.19	Max WS	3722.54	166.00	170.82		170.89	1.16	3214.21
Valsessera	0.18	Max WS	3630.70	162.01	166.81		166.86	1.00	3638.17
Valsessera	0.17	Max WS	3510.82	158.74	162.91		163.11	2.00	1758.92
Valsessera	0.16	Max WS	3476.89	154.95	158.87		159.00	1.61	2154.94
Valsessera	0.15	Max WS	3439.41	152.26	156.04		156.16	1.56	2203.77
Valsessera	0.14	Max WS	3253.16	149.20	153.46		153.55	1.28	2538.53
Valsessera	0.13	Max WS	3149.49	146.70	150.73		150.80	1.21	2610.49
Valsessera	0.12	Max WS	3119.11	144.75	148.78		148.88	1.37	2282.58
Valsessera	0.11	Max WS	3056.84	141.46	145.51		145.58	1.13	2710.29
Valsessera	0.10	Max WS	2974.14	138.10	142.57		142.66	1.34	2222.90
Valsessera	0.09	Max WS	2945.74	136.73	141.26		141.35	1.28	2299.62
Valsessera	0.08	Max WS	2895.79	133.62	137.84		137.94	1.44	2009.09
Valsessera	0.07	Max WS	2833.68	130.76	134.63		134.67	0.95	2997.20
Valsessera	0.06	Max WS	2689.55	127.51	131.42		131.48	1.09	2474.34
Valsessera	0.05	Max WS	2612.00	124.13	128.18		128.26	1.23	2126.46
Valsessera	0.04	Max WS	2595.29	122.11	126.04		126.15	1.49	1736.73
Valsessera	0.03	Max WS	2552.37	119.08	122.58		122.61	0.88	2915.84
Valsessera	0.02	Max WS	2380.58	117.14	120.61		120.70	1.38	1720.00
Valsessera	0.01	Max WS	2131.82	113.80	117.33	115.66	117.42	1.33	1604.06