HEC-RAS Plan: alto 200-200

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio Santo	Monte	17	Q50	6.18	35.96	37.15	37.15	37.48	0.065119	2.58	2.51	3.96	0.97
Rio Santo	Monte	17	Q200	8.94	35.96	37.34	37.34	37.75	0.062910	2.88	3.31	4.24	0.97
Rio Santo	Monte	17	Q500	10.76	35.96	37.46	37.46	37.91	0.062137	3.05	3.81	4.41	0.96
Rio Santo	Monte	16	Q50	6.18	34.15	34.93	35.03	35.36	0.113649	2.90	2.13	4.16	1.29
Rio Santo	Monte	16	Q200	8.94	34.15	35.06	35.21	35.63	0.118607	3.35	2.71	4.67	1.35
Rio Santo	Monte	16	Q500	10.76	34.15	35.13	35.31	35.79	0.120378	3.58	3.06	4.76	1.38
Rio Santo	Monte	15	Q50	6.18	32.66	33.56	33.54	33.82	0.063685	2.26	2.73	4.78	0.96
Rio Santo	Monte	15	Q200	8.94	32.66	33.71	33.70	34.05	0.064292	2.56	3.50	5.01	0.98
Rio Santo	Monte	15	Q500	10.76	32.66	33.80	33.80	34.18	0.067646	2.76	3.90	5.12	1.01
Rio Santo	Monte	14	Q50	6.18	31.92	32.92	32.92	33.30	0.079126	2.74	2.26	3.01	1.01
Rio Santo	Monte	14	Q200	8.94	31.92	33.23	33.23	33.60	0.060874	2.73	3.46	5.51	0.90
Rio Santo	Monte	14	Q500	10.76	31.92	33.35	33.36	33.74	0.058363	2.79	4.21	6.12	0.90
Rio Santo	Monte	13	Q50	6.18	31.00	31.79	31.60	31.94	0.030447	1.74	3.56	4.83	0.65
Rio Santo	Monte	13	Q200	8.94	31.00	31.52	31.76	32.33	0.263749	4.00	2.24	4.78	1.87
Rio Santo	Monte	13	Q500	10.76	31.00	31.58	31.85	32.50	0.260251	4.25	2.53	4.79	1.87
Rio Santo	Monte	12	Q50	6.18	30.71	31.34	31.34	31.64	0.079357	2.41	2.56	4.37	1.01
Rio Santo	Monte	12	Q200	8.94	30.71	31.51	31.51	31.88	0.078735	2.72	3.28	4.39	1.01
Rio Santo	Monte	12	Q500	10.76	30.71	31.60	31.60	32.03	0.078751	2.90	3.72	4.40	1.01
Rio Santo	Monte	11	Q50	6.18	29.32	29.82	29.97	30.36	0.035056	3.26	1.90	4.13	1.54
Rio Santo	Monte	11	Q200	8.94	29.32	29.95	30.14	30.64	0.033819	3.66	2.44	4.13	1.52
Rio Santo	Monte	11	Q500	10.76	29.32	30.03	30.24	30.80	0.033047	3.87	2.78	4.13	1.51
Rio Santo	Monte	10	Q50	6.18	28.04	28.44	28.69	29.32	0.076068	4.16	1.48	4.27	2.26
Rio Santo	Monte	10	Q200	8.94	28.04	28.54	28.85	29.64	0.070569	4.64	1.93	4.28	2.21
Rio Santo	Monte	10	Q500	10.76	28.04	28.60	28.95	29.82	0.067860	4.89	2.20	4.28	2.18
Rio Santo	Monte	9	Q50	6.18	26.11	27.67	26.76	27.70	0.000717	0.85	7.67	9.90	0.22
Rio Santo	Monte	9	Q200	8.94	26.11	27.87	26.93	27.92	0.000759	0.94	9.69	9.90	0.23
Rio Santo	Monte	9	Q500	10.76	26.11	27.99	27.03	28.04	0.000768	0.97	10.86	9.90	0.23
Rio Santo	Monte	8.9	Q50	6.18	26.11	27.67	26.71	27.70	0.000671	0.83	7.89	9.89	0.21
Rio Santo	Monte	8.9	Q200	8.94	26.11	27.88	26.88	27.92	0.000723	0.91	9.91	9.89	0.22
Rio Santo	Monte	8.9	Q500	10.76	26.11	27.99	26.98	28.04	0.000738	0.95	11.09	9.89	0.22
Rio Santo	Monte	8.3	Q50	6.18	25.84	27.67	26.44	27.70	0.000440	0.74	8.46	6.09	0.18
Rio Santo	Monte	8.3	Q200	8.94	25.84	27.86	26.61	27.91	0.000628	0.93	9.70	6.56	0.21
Rio Santo	Monte	8.3	Q500	10.76	25.84	27.98	26.71	28.03	0.000735	1.03	10.47	6.84	0.23
Rio Santo	Monte	8.2	Q50	6.18	26.84	27.42	27.42	27.67	0.011101	2.22	2.77	5.48	0.93
Rio Santo	Monte	8.2	Q200	8.94	26.84	27.57	27.57	27.88	0.010209	2.43	3.62	5.85	0.91
Rio Santo	Monte	8.2	Q500	10.76	26.84	27.66	27.66	28.00	0.009894	2.55	4.14	6.06	0.90
Rio Santo	Monte	8.1	Q50	6.18	25.84	26.12	26.44	27.55	0.165394	5.30	1.17	4.22	3.22
Rio Santo	Monte	8.1	Q200	8.94	25.84	26.23	26.61	27.76	0.119555	5.48	1.63	4.23	2.82
Rio Santo	Monte	8.1	Q500	10.76	25.84	26.30	26.71	27.87	0.102016	5.56	1.94	4.23	2.63
Rio Santo	Monte	8	Q50	6.18	25.14	25.42	25.79	27.47	0.283276	6.33	0.98	4.22	4.20
Rio Santo	Monte	8	Q200	8.94	25.14	25.52	25.96	27.68	0.200236	6.51	1.37	4.22	3.64
Rio Santo	Monte	8	Q500	10.76	25.14	25.58	26.06	27.80	0.169481	6.60	1.63	4.22	3.39
Rio Santo	Monte	7	Q50	6.18	25.04	25.41	25.67	26.36	0.089124	4.32	1.43	4.49	2.44
Rio Santo	Monte	7	Q200	8.94	25.04	26.55	25.83	26.64	0.001876	1.35	6.61	4.68	0.36
Rio Santo	Monte	7	Q500	10.76	25.04	26.85	25.93	26.94	0.001578	1.34	8.04	4.82	0.33
Rio Santo	Monte	6.5		Bridge									
Rio Santo	Monte	6	Q50	6.18	24.97	25.87	25.57	25.98	0.003741	1.51	4.08	4.87	0.53
Rio Santo	Monte	6	Q200	8.94	24.97	26.55	25.73	26.63	0.001367	1.20	7.45	4.94	0.31
Rio Santo	Monte	6	Q500	10.76	24.97	26.86	25.82	26.93	0.001143	1.19	9.18	6.87	0.28
Rio Santo	Monte	5	Q50	6.18	24.76	25.80	25.45	25.93	0.003941	1.60	3.86	3.93	0.52
Rio Santo	Monte	5	Q200	8.94	24.76	26.55	25.62	26.61	0.001181	1.10	8.20	6.67	0.27
Rio Santo	Monte	5	Q500	10.76	24.76	26.86	25.73	26.91	0.000820	0.98	11.53	12.17	0.22
Rio Santo	Monte	4	Q50	6.18	24.46	25.58	25.32	25.81	0.007738	2.12	2.92	2.75	0.66
Rio Santo	Monte	4	Q200	8.94	24.46	26.41	25.55	26.56	0.003468	1.71	5.22	2.81	0.40
Rio Santo	Monte	4	Q500	10.76	24.46	26.85	25.68	26.90	0.000397	0.62	12.85	7.76	0.13
Rio Santo	Monte	3	Q50	6.18	24.19	25.56	25.01	25.69	0.003571	1.59	3.89	2.98	0.44
Rio Santo	Monte	3	Q200	8.94	24.19	26.40	25.22	26.50	0.002025	1.40	6.40	3.03	0.31
Rio Santo	Monte	3	Q500	10.76	24.19	26.86	25.35	26.88	0.000368	0.63	15.72	8.48	0.13
Rio Santo	Monte	2	Q50	6.18	23.85	25.55	24.63	25.62	0.001591	1.17	5.27	3.23	0.29
Rio Santo	Monte	2	Q200	8.94	23.85	26.39	24.83	26.45	0.001135	1.12	7.99	3.26	0.23
Rio Santo	Monte	2	Q500	10.76	23.85	26.86	24.96	26.87	0.000268	0.57	17.70	8.49	0.11
Rio Santo	Monte	1	Q50	6.18	23.75	25.57	24.37	25.60	0.000694	0.85	7.27	4.00	0.20
Rio Santo	Monte	1	Q200	8.94	23.75	26.40	24.55	26.44	0.000535	0.84	10.62	4.00	0.16
Rio Santo	Monte	1	Q500	10.76	23.75	26.84	24.65	26.87	0.000454	0.84	13.49	8.00	0.15
Rio Santo	Monte	0.5		Bridge									

HEC-RAS Plan: alto 200-200 (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio Santo	Monte	0	Q50	6.18	23.64	25.57		25.60	0.000594	0.80	7.71	4.00	0.18
Rio Santo	Monte	0	Q200	8.94	23.64	26.39		26.42	0.000489	0.81	11.00	4.00	0.16
Rio Santo	Monte	0	Q500	10.76	23.64	26.82		26.85	0.000428	0.82	13.79	8.00	0.15
Quazzola	Valle	6	Q50	196.18	21.83	24.97	24.44	25.51	0.007752	3.30	60.84	28.09	0.66
Quazzola	Valle	6	Q200	288.94	21.83	25.71	25.04	26.35	0.006484	3.58	81.79	28.10	0.63
Quazzola	Valle	6	Q500	350.76	21.83	26.13	25.34	26.85	0.006196	3.78	93.48	28.10	0.63
Quazzola	Valle	5	Q50	196.18	21.67	24.92	23.95	25.26	0.004671	2.57	76.40	28.95	0.50
Quazzola	Valle	5	Q200	288.94	21.67	25.69	24.45	26.13	0.004337	2.94	98.59	28.98	0.51
Quazzola	Valle	5	Q500	350.76	21.67	26.11	24.74	26.62	0.004318	3.17	110.93	28.99	0.52
Quazzola	Valle	4	Q50	196.18	21.62	24.83	23.70	25.13	0.002826	2.18	85.06	32.41	0.41
Quazzola	Valle	4	Q200	288.94	21.62	25.61	24.21	26.00	0.002554	2.42	110.29	32.43	0.40
Quazzola	Valle	4	Q500	350.76	21.62	26.04	24.45	26.50	0.002532	2.59	124.22	32.44	0.41
Quazzola	Valle	3.5		Bridge									
Quazzola	Valle	3	Q50	196.18	20.49	24.65	23.62	24.89	0.003661	2.19	89.82	36.61	0.45
Quazzola	Valle	3	Q200	288.94	20.49	25.49	24.05	25.79	0.002962	2.39	120.79	36.65	0.42
Quazzola	Valle	3	Q500	350.76	20.49	25.98	24.30	26.28	0.002612	2.46	144.56	45.36	0.40
Quazzola	Valle	2	Q50	196.18	20.94	24.31	23.52	24.76	0.003475	2.38	72.16	29.04	0.44
Quazzola	Valle	2	Q200	288.94	20.94	25.05	24.00	25.66	0.003146	2.63	93.75	29.07	0.44
Quazzola	Valle	2	Q500	350.76	20.94	25.76	24.36	26.20	0.002124	2.44	127.12	38.04	0.37
Quazzola	Valle	1	Q50	196.18	20.41	23.77	23.47	24.54	0.010014	3.91	50.91	21.69	0.75
Quazzola	Valle	1	Q200	288.94	20.41	24.41	24.06	25.44	0.010014	4.50	64.74	21.76	0.78
Quazzola	Valle	1	Q500	350.76	20.41	24.79	24.42	25.98	0.010018	4.83	73.05	21.79	0.79