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Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	357.3	Max WS	elsa tr500 sa	877.57	84.05	92.30		93.41	0.004364	4.66	188.19	39.41	0.68
POGGIB.-CERTALDO	357.3	Max WS	200-9-SA	693.87	84.05	91.60		92.55	0.004313	4.31	161.13	38.37	0.67
POGGIB.-CERTALDO	357.3	Max WS	100-9-SA	574.02	84.05	91.14		91.95	0.004168	4.00	143.50	37.68	0.65
POGGIB.-CERTALDO	357.3	Max WS	30-9-SA	399.12	84.05	90.13		90.83	0.004636	3.72	107.15	34.10	0.67
POGGIB.-CERTALDO	357.2	Max WS	elsa tr500 sa	877.57	84.05	92.27		93.39	0.004431	4.69	187.21	39.37	0.69
POGGIB.-CERTALDO	357.2	Max WS	200-9-SA	693.87	84.05	91.58		92.53	0.004386	4.33	160.22	38.34	0.68
POGGIB.-CERTALDO	357.2	Max WS	100-9-SA	574.02	84.05	91.12		91.94	0.004239	4.02	142.68	37.63	0.66
POGGIB.-CERTALDO	357.2	Max WS	30-9-SA	399.12	84.05	90.10		90.82	0.004747	3.76	106.27	34.00	0.68
POGGIB.-CERTALDO	357	Max WS	elsa tr500 sa	877.52	84.25	92.64		92.83	0.000668	1.91	458.42	97.07	0.28
POGGIB.-CERTALDO	357	Max WS	200-9-SA	693.83	84.25	91.83		92.00	0.000747	1.82	380.76	94.86	0.29
POGGIB.-CERTALDO	357	Max WS	100-9-SA	574.41	84.25	91.30		91.45	0.000627	1.71	335.07	88.87	0.27
POGGIB.-CERTALDO	357	Max WS	30-9-SA	399.19	84.25	90.16		90.29	0.000787	1.63	245.55	76.19	0.29
POGGIB.-CERTALDO	356	Max WS	elsa tr500 sa	877.49	84.00	92.58		92.77	0.000652	1.93	462.46	99.25	0.28
POGGIB.-CERTALDO	356	Max WS	200-9-SA	693.80	84.00	91.76		91.94	0.000724	1.85	375.94	89.32	0.29
POGGIB.-CERTALDO	356	Max WS	100-9-SA	574.26	84.00	91.24		91.39	0.000751	1.74	329.31	87.88	0.29
POGGIB.-CERTALDO	356	Max WS	30-9-SA	399.15	84.00	90.06		90.22	0.000864	1.74	230.04	68.73	0.30
POGGIB.-CERTALDO	355	Max WS	elsa tr500 sa	877.46	83.36	92.40		92.62	0.000735	2.11	415.77	81.50	0.30
POGGIB.-CERTALDO	355	Max WS	200-9-SA	693.75	83.36	91.58		91.78	0.000780	1.98	349.98	79.16	0.30
POGGIB.-CERTALDO	355	Max WS	100-9-SA	574.23	83.36	91.05		91.23	0.000767	1.86	309.19	76.31	0.29
POGGIB.-CERTALDO	355	Max WS	30-9-SA	399.13	83.36	89.87		90.03	0.000851	1.77	225.43	64.62	0.30
POGGIB.-CERTALDO	354	Max WS	elsa tr500 sa	877.45	83.34	92.23		92.58	0.001214	2.59	338.26	70.84	0.38
POGGIB.-CERTALDO	354	Max WS	200-9-SA	693.75	83.34	91.42		91.73	0.001249	2.45	282.77	65.82	0.38
POGGIB.-CERTALDO	354	Max WS	100-9-SA	574.16	83.34	90.91		91.18	0.001204	2.29	250.24	62.70	0.37
POGGIB.-CERTALDO	354	Max WS	30-9-SA	399.12	83.34	89.72		89.97	0.001484	2.22	179.62	55.30	0.39
POGGIB.-CERTALDO	353.9	Max WS	elsa tr500 sa	877.45	83.34	92.22	89.37	92.56	0.001226	2.60	337.03	70.73	0.38
POGGIB.-CERTALDO	353.9	Max WS	200-9-SA	693.75	83.34	91.40	88.87	91.71	0.001263	2.46	281.61	65.72	0.38
POGGIB.-CERTALDO	353.9	Max WS	100-9-SA	574.14	83.34	90.90	88.45	91.17	0.001219	2.30	249.17	62.59	0.37
POGGIB.-CERTALDO	353.9	Max WS	30-9-SA	399.13	83.34	89.70	87.65	89.95	0.001513	2.24	178.44	55.17	0.40
POGGIB.-CERTALDO	353.5		Bridge										
POGGIB.-CERTALDO	353.1	Max WS	elsa tr500 sa	877.45	83.34	92.18		92.53	0.001252	2.62	334.44	70.51	0.38
POGGIB.-CERTALDO	353.1	Max WS	200-9-SA	693.74	83.34	91.37		91.68	0.001294	2.48	279.23	65.49	0.38
POGGIB.-CERTALDO	353.1	Max WS	100-9-SA	574.13	83.34	90.86		91.14	0.001248	2.32	247.05	62.38	0.37
POGGIB.-CERTALDO	353.1	Max WS	30-9-SA	399.13	83.34	89.66		89.92	0.001568	2.27	176.21	54.92	0.40
POGGIB.-CERTALDO	353	Max WS	elsa tr500 sa	877.46	82.70	92.20		92.52	0.000940	2.50	351.58	62.81	0.34
POGGIB.-CERTALDO	353	Max WS	200-9-SA	693.74	82.70	91.40		91.67	0.000898	2.29	302.71	59.54	0.32
POGGIB.-CERTALDO	353	Max WS	100-9-SA	574.14	82.70	90.90		91.13	0.000822	2.10	273.53	57.50	0.31
POGGIB.-CERTALDO	353	Max WS	30-9-SA	399.13	82.70	89.72		89.91	0.000872	1.92	208.18	52.65	0.31
POGGIB.-CERTALDO	352	Max WS	elsa tr500 sa	877.46	82.60	92.24		92.46	0.000650	2.08	424.53	79.42	0.28
POGGIB.-CERTALDO	352	Max WS	200-9-SA	693.74	82.60	91.42		91.61	0.000651	1.93	360.04	72.17	0.28
POGGIB.-CERTALDO	352	Max WS	100-9-SA	574.17	82.60	90.92		91.08	0.000615	1.77	323.72	70.62	0.26
POGGIB.-CERTALDO	352	Max WS	30-9-SA	399.13	82.60	89.71		89.85	0.000696	1.66	241.06	64.24	0.27
POGGIB.-CERTALDO	351	Max WS	elsa tr500 sa	877.46	81.90	91.93		92.30	0.001219	2.76	338.26	74.09	0.38
POGGIB.-CERTALDO	351	Max WS	200-9-SA	693.73	81.90	91.04		91.42	0.001373	2.73	254.50	51.62	0.39
POGGIB.-CERTALDO	351	Max WS	100-9-SA	574.15	81.90	90.58		90.89	0.001256	2.49	231.00	50.56	0.37
POGGIB.-CERTALDO	351	Max WS	30-9-SA	399.12	81.90	89.40		89.67	0.001110	2.29	174.61	39.27	0.35
POGGIB.-CERTALDO	350.99		Lat Struct										
POGGIB.-CERTALDO	350.66	Max WS	elsa tr500 sa	847.84	82.08	91.65		92.17	0.001578	3.17	267.36	45.61	0.42
POGGIB.-CERTALDO	350.66	Max WS	200-9-SA	685.03	82.08	90.82		91.27	0.001598	2.98	229.90	44.19	0.42
POGGIB.-CERTALDO	350.66	Max WS	100-9-SA	570.36	82.08	90.39		90.76	0.001428	2.71	210.84	43.45	0.39
POGGIB.-CERTALDO	350.66	Max WS	30-9-SA	399.12	82.08	89.22		89.53	0.001541	2.48	161.22	41.18	0.40
POGGIB.-CERTALDO	350.33	Max WS	elsa tr500 sa	766.68	81.63	91.79		92.12	0.001222	2.53	307.42	64.90	0.36
POGGIB.-CERTALDO	350.33	Max WS	200-9-SA	627.47	81.63	90.89		91.20	0.001282	2.49	251.63	52.70	0.36
POGGIB.-CERTALDO	350.33	Max WS	100-9-SA	533.22	81.63	90.39		90.67	0.001291	2.36	225.65	51.94	0.36
POGGIB.-CERTALDO	350.33	Max WS	30-9-SA	399.12	81.63	89.06		89.38	0.001595	2.50	159.87	39.38	0.40
POGGIB.-CERTALDO	350	Max WS	elsa tr500 sa	688.87	81.70	91.83		92.11	0.000867	2.36	299.17	54.48	0.31
POGGIB.-CERTALDO	350	Max WS	200-9-SA	586.69	81.70	90.87		91.17	0.001120	2.42	242.62	48.84	0.35
POGGIB.-CERTALDO	350	Max WS	100-9-SA	512.24	81.70	90.34		90.62	0.001180	2.36	216.90	47.43	0.35
POGGIB.-CERTALDO	350	Max WS	30-9-SA	399.11	81.70	88.93		89.28	0.001990	2.61	152.67	43.17	0.44
POGGIB.-CERTALDO	349.99		Lat Struct										
POGGIB.-CERTALDO	349	Max WS	elsa tr500 sa	986.82	81.40	91.34		91.79	0.001263	2.96	338.74	58.28	0.38
POGGIB.-CERTALDO	349	Max WS	200-9-SA	813.25	81.40	90.44		90.86	0.001320	2.86	284.67	51.05	0.39
POGGIB.-CERTALDO	349	Max WS	100-9-SA	700.21	81.40	89.97		90.34	0.001241	2.68	261.02	49.43	0.37
POGGIB.-CERTALDO	349	Max WS	30-9-SA	507.91	81.40	88.67		89.00	0.001307	2.54	199.71	43.08	0.38
POGGIB.-CERTALDO	348.99		Lat Struct										
POGGIB.-CERTALDO	348.9	Max WS	elsa tr500 sa	969.77	81.40	91.36		91.79	0.001206	2.90	339.94	58.28	0.37
POGGIB.-CERTALDO	348.9	Max WS	200-9-SA	810.43	81.40	90.44		90.85	0.001316	2.85	284.21	51.02	0.39
POGGIB.-CERTALDO	348.9	Max WS	100-9-SA	701.38	81.40	89.96		90.33	0.001256	2.70	260.18	49.37	0.37
POGGIB.-CERTALDO	348.9	Max WS	30-9-SA	507.88	81.40	88.66		88.99	0.001314	2.55	199.06	42.88	0.38
POGGIB.-CERTALDO	348.5	Max WS	elsa tr500 sa	1155.39	81.24	90.18		90.91	0.005162	3.81	303.50	103.28	0.71
POGGIB.-CERTALDO	348.5	Max WS	200-9-SA	893.76	81.24	89.62		90.25	0.003331	3.52	253.64	68.01	0.58
POGGIB.-CERTALDO	348.5	Max WS	100-9-SA	737.76	81.24	89.32		89.83	0.002943	3.16	233.71	67.69	0.54
POGGIB.-CERTALDO	348.5	Max WS	30-9-SA	507.06	81.24	88.14		88.63	0.002037	3.09	164.14	51.99	0.46
POGGIB.-CERTALDO	348.48		Lat Struct										
POGGIB.-CERTALDO	348	Max WS	elsa tr500 sa	1118.06	80.83	89.58		90.46	0.005469	4.16	268.56	82.92	0.74
POGGIB.-CERTALDO	348	Max WS	200-9-SA	875.41	80.83	89.14		89.86	0.005336	3.77	232.49	82.46	0.72
POGGIB.-CERTALDO	348	Max WS	100-9-SA	730.90	80.83	88.83		89.46	0.005090	3.54	206.76	77.85	0.69
POGGIB.-CERTALDO	348	Max WS	30-9-SA	506.34	80.83	87.91		88.41	0.002458	3.15	160.50	39.40	0.50
POGGIB.-CERTALDO	347.5	Max WS	elsa tr500 sa	1084.00	79.61	89.95		90.13	0.000913	1.88	575.87	150.52	0.31
POGGIB.-CERTALDO	347.5	Max WS	200-9-SA	864.84	79.61	89.39		89.54	0.000981	1.76	490.68	150.50	0.31
POGGIB.-CERTALDO	347.5	Max WS	100-9-SA	730.23	79.61	89.01		89.16	0.001045	1.68	434.26	150.49	0.32

Reach	River Sta	Profile	Plan	Q Total (m <sup>3</sup> /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m <sup>2</sup> )	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	347.5	Max WS	30-9-SA	506.93	79.61	88.09		88.24	0.001129	1.68	302.15	128.06	0.32
POGGIB.-CERTALDO	347.49			Lat Struct									
POGGIB.-CERTALDO	347	Max WS	elsa tr500 sa	935.52	81.20	89.48		89.88	0.001544	2.79	335.19	72.42	0.41
POGGIB.-CERTALDO	347	Max WS	200-9-SA	791.86	81.20	88.92		89.29	0.001666	2.69	294.77	72.42	0.43
POGGIB.-CERTALDO	347	Max WS	100-9-SA	700.47	81.20	88.55		88.90	0.001769	2.61	267.95	72.42	0.43
POGGIB.-CERTALDO	347	Max WS	30-9-SA	505.87	81.20	87.71		88.01	0.001699	2.42	209.05	62.34	0.42
POGGIB.-CERTALDO	346.5	Max WS	elsa tr500 sa	758.14	79.50	89.56		89.60	0.000147	0.92	822.17	165.56	0.13
POGGIB.-CERTALDO	346.5	Max WS	200-9-SA	676.93	79.50	89.00		89.04	0.000173	0.93	728.87	165.56	0.14
POGGIB.-CERTALDO	346.5	Max WS	100-9-SA	612.15	79.50	88.63		88.67	0.000189	0.92	667.61	165.56	0.15
POGGIB.-CERTALDO	346.5	Max WS	30-9-SA	494.34	79.50	87.77		87.81	0.000269	0.94	525.60	165.56	0.17
POGGIB.-CERTALDO	346	Max WS	elsa tr500 sa	733.13	80.80	88.85		89.75	0.003042	4.20	176.50	39.04	0.53
POGGIB.-CERTALDO	346	Max WS	200-9-SA	624.48	80.80	88.38		89.14	0.002755	3.87	161.45	27.07	0.51
POGGIB.-CERTALDO	346	Max WS	100-9-SA	555.00	80.80	88.08		88.75	0.002529	3.62	153.24	26.97	0.48
POGGIB.-CERTALDO	346	Max WS	30-9-SA	480.21	80.80	87.10		87.83	0.003259	3.78	127.19	26.63	0.55
POGGIB.-CERTALDO	345.98			Lat Struct									
POGGIB.-CERTALDO	345.5	Max WS	elsa tr500 sa	770.49	79.47	89.15		89.30	0.000620	1.69	456.05	108.15	0.26
POGGIB.-CERTALDO	345.5	Max WS	200-9-SA	640.85	79.47	88.65		88.78	0.000632	1.60	401.07	105.71	0.26
POGGIB.-CERTALDO	345.5	Max WS	100-9-SA	565.16	79.47	88.30		88.42	0.000557	1.54	367.14	92.75	0.25
POGGIB.-CERTALDO	345.5	Max WS	30-9-SA	499.90	79.47	87.27		87.43	0.000894	1.79	279.41	80.76	0.31
POGGIB.-CERTALDO	345	Max WS	elsa tr500 sa	680.95	79.80	89.09		89.21	0.000757	1.55	440.51	142.77	0.28
POGGIB.-CERTALDO	345	Max WS	200-9-SA	635.36	79.80	88.44		88.61	0.001401	1.82	348.65	140.75	0.37
POGGIB.-CERTALDO	345	Max WS	100-9-SA	599.71	79.80	87.99		88.21	0.001854	2.08	287.84	117.01	0.42
POGGIB.-CERTALDO	345	Max WS	30-9-SA	501.27	79.80	86.92		87.23	0.001594	2.47	202.78	55.66	0.41
POGGIB.-CERTALDO	344.5	Max WS	elsa tr500 sa	784.09	79.03	88.67		89.02	0.001265	2.60	301.91	59.87	0.37
POGGIB.-CERTALDO	344.5	Max WS	200-9-SA	697.36	79.03	87.99		88.35	0.001540	2.66	261.74	58.47	0.40
POGGIB.-CERTALDO	344.5	Max WS	100-9-SA	632.12	79.03	87.55		87.92	0.001728	2.68	236.23	57.55	0.42
POGGIB.-CERTALDO	344.5	Max WS	30-9-SA	501.62	79.03	86.58		86.96	0.002027	2.73	183.66	48.54	0.45
POGGIB.-CERTALDO	344	Max WS	elsa tr500 sa	854.22	79.80	88.24		88.83	0.002427	3.39	251.73	56.82	0.51
POGGIB.-CERTALDO	344	Max WS	200-9-SA	739.30	79.80	87.55		88.16	0.003050	3.48	212.65	55.66	0.57
POGGIB.-CERTALDO	344	Max WS	100-9-SA	658.38	79.80	87.10		87.72	0.003477	3.50	188.15	53.93	0.60
POGGIB.-CERTALDO	344	Max WS	30-9-SA	502.05	79.80	86.04		86.78	0.004113	3.81	131.70	48.02	0.65
POGGIB.-CERTALDO	343.98			Lat Struct									
POGGIB.-CERTALDO	343	Max WS	elsa tr500 sa	995.68	77.80	87.43		88.06	0.002332	3.52	282.57	57.60	0.51
POGGIB.-CERTALDO	343	Max WS	200-9-SA	813.89	77.80	86.88		87.41	0.002214	3.24	251.14	56.32	0.49
POGGIB.-CERTALDO	343	Max WS	100-9-SA	696.98	77.80	86.52		86.98	0.002075	3.01	231.46	55.50	0.47
POGGIB.-CERTALDO	343	Max WS	30-9-SA	502.02	77.80	85.68		86.05	0.001837	2.69	186.88	48.81	0.44
POGGIB.-CERTALDO	342	Max WS	elsa tr500 sa	907.69	77.80	87.02		87.52	0.001775	3.14	289.05	57.84	0.45
POGGIB.-CERTALDO	342	Max WS	200-9-SA	755.96	77.80	86.41		86.86	0.001792	2.97	254.18	56.10	0.45
POGGIB.-CERTALDO	342	Max WS	100-9-SA	662.39	77.80	86.01		86.43	0.001796	2.85	232.16	54.97	0.44
POGGIB.-CERTALDO	342	Max WS	30-9-SA	501.88	77.80	85.02		85.42	0.002185	2.80	179.44	51.12	0.48
POGGIB.-CERTALDO	341.99			Lat Struct									
POGGIB.-CERTALDO	341.6	Max WS	elsa tr500 sa	1100.92	77.00	86.21		86.78	0.002857	3.35	329.06	83.33	0.54
POGGIB.-CERTALDO	341.6	Max WS	200-9-SA	864.08	77.00	85.86		86.28	0.002103	2.86	302.12	77.53	0.46
POGGIB.-CERTALDO	341.6	Max WS	100-9-SA	720.02	77.00	85.61		85.94	0.001795	2.55	282.65	77.53	0.43
POGGIB.-CERTALDO	341.6	Max WS	30-9-SA	501.85	77.00	84.82		85.06	0.000862	2.16	232.71	47.30	0.31
POGGIB.-CERTALDO	341.5	Max WS	elsa tr500 sa	1100.94	77.00	86.14		86.75	0.002327	3.45	318.94	66.58	0.50
POGGIB.-CERTALDO	341.5	Max WS	200-9-SA	864.09	77.00	85.83		86.26	0.001778	2.90	297.93	66.58	0.44
POGGIB.-CERTALDO	341.5	Max WS	100-9-SA	720.00	77.00	85.59		85.92	0.001465	2.55	282.19	66.47	0.40
POGGIB.-CERTALDO	341.5	Max WS	30-9-SA	501.86	77.00	84.82		85.05	0.000820	2.12	237.27	46.71	0.30
POGGIB.-CERTALDO	341.4	Max WS	elsa tr500 sa	1100.82	77.00	86.11		86.71	0.003034	3.44	320.46	81.06	0.55
POGGIB.-CERTALDO	341.4	Max WS	200-9-SA	864.04	77.00	85.79		86.22	0.002427	2.94	294.32	80.64	0.49
POGGIB.-CERTALDO	341.4	Max WS	100-9-SA	719.85	77.00	85.55		85.90	0.002069	2.62	275.18	80.18	0.45
POGGIB.-CERTALDO	341.4	Max WS	30-9-SA	501.82	77.00	84.78		85.03	0.000947	2.24	224.42	55.11	0.32
POGGIB.-CERTALDO	341.39			Lat Struct									
POGGIB.-CERTALDO	341.38			Lat Struct									
POGGIB.-CERTALDO	341	Max WS	elsa tr500 sa	872.46	77.30	85.92		86.20	0.000904	2.31	377.37	71.69	0.32
POGGIB.-CERTALDO	341	Max WS	200-9-SA	708.76	77.30	85.58		85.79	0.000738	2.01	352.70	71.69	0.29
POGGIB.-CERTALDO	341	Max WS	100-9-SA	620.59	77.30	85.31		85.49	0.000676	1.86	333.47	71.69	0.28
POGGIB.-CERTALDO	341	Max WS	30-9-SA	499.59	77.30	84.58		84.74	0.000757	1.78	280.90	71.69	0.29
POGGIB.-CERTALDO	340	Max WS	elsa tr500 sa	813.31	77.70	85.95		86.11	0.000539	1.77	459.26	90.20	0.25
POGGIB.-CERTALDO	340	Max WS	200-9-SA	688.15	77.70	85.57		85.70	0.000496	1.62	424.70	90.20	0.24
POGGIB.-CERTALDO	340	Max WS	100-9-SA	616.28	77.70	85.28		85.40	0.000486	1.54	399.02	90.20	0.23
POGGIB.-CERTALDO	340	Max WS	30-9-SA	499.88	77.70	84.53		84.65	0.000581	1.51	331.42	90.20	0.25
POGGIB.-CERTALDO	339.98			Lat Struct									
POGGIB.-CERTALDO	339	Max WS	elsa tr500 sa	773.80	76.80	85.84		86.09	0.000901	2.24	351.36	123.09	0.32
POGGIB.-CERTALDO	339	Max WS	200-9-SA	664.25	76.80	85.46		85.68	0.000866	2.09	323.23	123.09	0.31
POGGIB.-CERTALDO	339	Max WS	100-9-SA	602.13	76.80	85.17		85.38	0.000873	2.03	302.04	122.23	0.31
POGGIB.-CERTALDO	339	Max WS	30-9-SA	499.90	76.80	84.40		84.61	0.001082	2.06	246.80	118.85	0.34
POGGIB.-CERTALDO	338	Max WS	elsa tr500 sa	807.69	75.80	84.43		85.18	0.003148	3.85	209.68	45.94	0.58
POGGIB.-CERTALDO	338	Max WS	200-9-SA	716.47	75.80	83.97		84.70	0.003447	3.80	188.42	45.84	0.60
POGGIB.-CERTALDO	338	Max WS	100-9-SA	652.02	75.80	83.68		84.38	0.003523	3.72	175.22	44.98	0.60
POGGIB.-CERTALDO	338	Max WS	30-9-SA	499.50	75.80	83.13		83.68	0.003194	3.31	150.93	43.35	0.57
POGGIB.-CERTALDO	337.99			Lat Struct									
POGGIB.-CERTALDO	337.87			Lat Struct									
POGGIB.-CERTALDO	337	Max WS	elsa tr500 sa	769.37	75.60	84.42		84.71	0.001122	2.38	322.63	70.63	0.36
POGGIB.-CERTALDO	337	Max WS	200-9-SA	701.73	75.60	83.83		84.15	0.001395	2.49	281.43	68.32	0.39
POGGIB.-CERTALDO	337	Max WS	100-9-SA	650.38	75.60	83.45		83.78	0.001592	2.54	255.66	66.83	0.42

HEC-RAS River: FIUME ELSA Reach: POGGIB.-CERTALDO Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	337	Max WS	30-9-SA	493.77	75.60	82.88		83.14	0.001478	2.26	218.34	64.93	0.39
POGGIB.-CERTALDO	336.98			Lat Struct									
POGGIB.-CERTALDO	336	Max WS	elsa tr500 sa	790.19	75.60	84.16		84.49	0.001124	2.53	311.84	61.67	0.36
POGGIB.-CERTALDO	336	Max WS	200-9-SA	696.95	75.60	83.57		83.89	0.001279	2.53	275.37	60.74	0.38
POGGIB.-CERTALDO	336	Max WS	100-9-SA	622.40	75.60	83.22		83.53	0.001299	2.45	254.54	60.21	0.38
POGGIB.-CERTALDO	336	Max WS	30-9-SA	478.23	75.60	82.66		82.90	0.001186	2.16	221.11	59.34	0.36
POGGIB.-CERTALDO	335	Max WS	elsa tr500 sa	873.47	74.60	83.91		84.24	0.001125	2.59	345.42	73.03	0.35
POGGIB.-CERTALDO	335	Max WS	200-9-SA	729.51	74.60	83.39		83.69	0.000989	2.40	303.97	56.46	0.33
POGGIB.-CERTALDO	335	Max WS	100-9-SA	633.45	74.60	83.10		83.35	0.000835	2.20	287.99	53.55	0.30
POGGIB.-CERTALDO	335	Max WS	30-9-SA	476.55	74.60	82.60		82.76	0.000569	1.82	262.14	48.40	0.25
POGGIB.-CERTALDO	334.99			Lat Struct									
POGGIB.-CERTALDO	334	Max WS	elsa tr500 sa	871.29	74.40	83.40		83.80	0.002140	2.83	307.71	82.99	0.47
POGGIB.-CERTALDO	334	Max WS	200-9-SA	734.31	74.40	82.78		83.19	0.002690	2.86	256.61	81.76	0.52
POGGIB.-CERTALDO	334	Max WS	100-9-SA	649.72	74.40	82.35		82.79	0.003303	2.92	222.18	80.28	0.56
POGGIB.-CERTALDO	334	Max WS	30-9-SA	487.40	74.40	81.49		82.00	0.005202	3.16	154.39	70.01	0.68
POGGIB.-CERTALDO	333.58			Lat Struct									
POGGIB.-CERTALDO	333.5	Max WS	elsa tr500 sa	1046.13	74.60	82.70		83.20	0.002321	3.12	335.16	86.66	0.51
POGGIB.-CERTALDO	333.5	Max WS	200-9-SA	827.49	74.60	82.23		82.63	0.002108	2.81	294.99	83.33	0.48
POGGIB.-CERTALDO	333.5	Max WS	100-9-SA	695.30	74.60	81.86		82.21	0.002074	2.83	264.58	81.56	0.47
POGGIB.-CERTALDO	333.5	Max WS	30-9-SA	492.68	74.60	81.10		81.36	0.001052	2.23	221.29	66.34	0.34
POGGIB.-CERTALDO	333	Max WS	elsa tr500 sa	1031.58	74.49	82.49		83.01	0.001900	3.31	326.49	150.27	0.47
POGGIB.-CERTALDO	333	Max WS	200-9-SA	828.17	74.49	82.04		82.44	0.001688	2.95	295.55	149.37	0.44
POGGIB.-CERTALDO	333	Max WS	100-9-SA	695.46	74.49	81.70		82.04	0.001417	2.75	273.18	144.94	0.40
POGGIB.-CERTALDO	333	Max WS	30-9-SA	492.68	74.49	81.00		81.25	0.001131	2.40	229.38	139.53	0.36
POGGIB.-CERTALDO	332.5	Max WS	elsa tr500 sa	1033.51	74.49	82.27		82.85	0.002797	3.36	305.20	148.64	0.49
POGGIB.-CERTALDO	332.5	Max WS	200-9-SA	830.93	74.49	81.85		82.31	0.002377	3.03	277.39	146.25	0.45
POGGIB.-CERTALDO	332.5	Max WS	100-9-SA	696.97	74.49	81.56		81.93	0.001975	2.79	258.70	142.64	0.41
POGGIB.-CERTALDO	332.5	Max WS	30-9-SA	492.68	74.49	80.90		81.17	0.001537	2.43	218.76	137.55	0.36
POGGIB.-CERTALDO	332.49			Lat Struct									
POGGIB.-CERTALDO	332.25	Max WS	elsa tr500 sa	1033.43	74.29	82.03		82.61	0.002291	3.52	308.38	149.74	0.51
POGGIB.-CERTALDO	332.25	Max WS	200-9-SA	830.93	74.29	81.66		82.10	0.001891	3.13	283.18	147.51	0.46
POGGIB.-CERTALDO	332.25	Max WS	100-9-SA	696.97	74.29	81.40		81.76	0.001518	2.84	266.72	144.17	0.42
POGGIB.-CERTALDO	332.25	Max WS	30-9-SA	492.67	74.29	80.78		81.04	0.001147	2.42	228.14	139.37	0.36
POGGIB.-CERTALDO	332	Max WS	elsa tr500 sa	1025.39	74.20	82.30		82.52	0.000870	2.10	487.33	110.71	0.32
POGGIB.-CERTALDO	332	Max WS	200-9-SA	828.46	74.20	81.85		82.03	0.000797	1.89	437.86	109.72	0.30
POGGIB.-CERTALDO	332	Max WS	100-9-SA	696.59	74.20	81.55		81.70	0.000719	1.72	405.22	108.88	0.28
POGGIB.-CERTALDO	332	Max WS	30-9-SA	492.67	74.20	80.88		80.99	0.000511	1.45	339.75	91.23	0.24
POGGIB.-CERTALDO	331	Max WS	elsa tr500 sa	996.26	73.50	82.15		82.43	0.000954	2.35	424.80	82.04	0.33
POGGIB.-CERTALDO	331	Max WS	200-9-SA	814.53	73.50	81.73		81.95	0.000836	2.09	390.14	82.04	0.31
POGGIB.-CERTALDO	331	Max WS	100-9-SA	690.11	73.50	81.45		81.63	0.000727	1.88	367.41	82.04	0.28
POGGIB.-CERTALDO	331	Max WS	30-9-SA	492.60	73.50	80.81		80.94	0.000608	1.56	314.82	82.04	0.25
POGGIB.-CERTALDO	330.9	Max WS	elsa tr500 sa	996.28	73.50	82.15	79.38	82.43	0.000956	2.35	424.45	82.04	0.33
POGGIB.-CERTALDO	330.9	Max WS	200-9-SA	814.53	73.50	81.73	78.38	81.95	0.000838	2.09	389.87	82.04	0.31
POGGIB.-CERTALDO	330.9	Max WS	100-9-SA	690.11	73.50	81.45	77.96	81.63	0.000728	1.88	367.19	82.04	0.28
POGGIB.-CERTALDO	330.9	Max WS	30-9-SA	492.60	73.50	80.81	77.22	80.93	0.000609	1.57	314.67	82.04	0.26
POGGIB.-CERTALDO	330.5			Bridge									
POGGIB.-CERTALDO	330.1	Max WS	elsa tr500 sa	996.25	73.50	82.08		82.37	0.000996	2.38	418.98	82.04	0.34
POGGIB.-CERTALDO	330.1	Max WS	200-9-SA	814.53	73.50	81.67		81.90	0.000869	2.11	385.39	82.04	0.31
POGGIB.-CERTALDO	330.1	Max WS	100-9-SA	690.11	73.50	81.41		81.59	0.000752	1.90	363.51	82.04	0.29
POGGIB.-CERTALDO	330.1	Max WS	30-9-SA	492.60	73.50	80.77		80.90	0.000627	1.58	311.80	82.04	0.26
POGGIB.-CERTALDO	330.09			Lat Struct									
POGGIB.-CERTALDO	330	Max WS	elsa tr500 sa	969.76	73.65	81.27		82.35	0.004049	4.60	210.72	40.57	0.64
POGGIB.-CERTALDO	330	Max WS	200-9-SA	801.10	73.65	81.08		81.87	0.003106	3.95	202.80	40.57	0.56
POGGIB.-CERTALDO	330	Max WS	100-9-SA	682.97	73.65	80.95		81.56	0.002440	3.45	197.69	40.57	0.50
POGGIB.-CERTALDO	330	Max WS	30-9-SA	492.60	73.65	80.49		80.87	0.001723	2.75	178.95	40.57	0.42
POGGIB.-CERTALDO	329.98			Lat Struct									
POGGIB.-CERTALDO	329	Max WS	elsa tr500 sa	995.04	72.60	81.57		82.18	0.002509	3.47	286.86	63.79	0.52
POGGIB.-CERTALDO	329	Max WS	200-9-SA	795.11	72.60	81.35		81.78	0.001877	2.91	272.88	63.79	0.45
POGGIB.-CERTALDO	329	Max WS	100-9-SA	670.36	72.60	81.16		81.50	0.001538	2.57	260.91	63.79	0.41
POGGIB.-CERTALDO	329	Max WS	30-9-SA	485.10	72.60	80.59		80.83	0.001279	2.16	224.52	62.87	0.36
POGGIB.-CERTALDO	328	Max WS	elsa tr500 sa	875.43	72.60	81.50		81.97	0.001874	3.04	288.07	63.17	0.45
POGGIB.-CERTALDO	328	Max WS	200-9-SA	764.23	72.60	81.10		81.53	0.001909	2.91	262.82	63.17	0.46
POGGIB.-CERTALDO	328	Max WS	100-9-SA	670.88	72.60	80.89		81.26	0.001605	2.68	249.95	59.53	0.42
POGGIB.-CERTALDO	328	Max WS	30-9-SA	492.58	72.60	80.37		80.63	0.001308	2.25	218.98	58.91	0.37
POGGIB.-CERTALDO	327.99			Lat Struct									
POGGIB.-CERTALDO	327	Max WS	elsa tr500 sa	850.19	72.60	81.39		81.92	0.002110	3.21	264.52	58.63	0.48
POGGIB.-CERTALDO	327	Max WS	200-9-SA	757.93	72.60	80.94		81.46	0.002342	3.19	237.93	58.63	0.50
POGGIB.-CERTALDO	327	Max WS	100-9-SA	669.65	72.60	80.74		81.19	0.002140	2.96	226.38	58.63	0.48
POGGIB.-CERTALDO	327	Max WS	30-9-SA	493.05	72.60	80.26		80.57	0.001720	2.49	198.08	56.73	0.43
POGGIB.-CERTALDO	326.98			Lat Struct									
POGGIB.-CERTALDO	326	Max WS	elsa tr500 sa	874.66	72.50	80.77		81.31	0.002752	3.26	268.19	72.83	0.54
POGGIB.-CERTALDO	326	Max WS	200-9-SA	744.25	72.50	80.41		80.89	0.002683	3.07	242.58	71.11	0.53
POGGIB.-CERTALDO	326	Max WS	100-9-SA	664.87	72.50	80.23		80.66	0.002509	2.89	230.22	70.42	0.51
POGGIB.-CERTALDO	326	Max WS	30-9-SA	493.07	72.50	79.84		80.14	0.002033	2.43	202.62	68.71	0.45
POGGIB.-CERTALDO	325.99			Lat Struct									
POGGIB.-CERTALDO	325.58			Lat Struct									

Reach	River Sta	Profile	Plan	Q Total (m <sup>3</sup> /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m <sup>2</sup> )	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	325	Max WS	elsa tr500 sa	762.88	72.20	80.47		80.75	0.001115	2.37	321.74	69.93	0.35
POGGIB.-CERTALDO	325	Max WS	200-9-SA	679.82	72.20	80.01		80.29	0.001232	2.34	290.00	69.93	0.37
POGGIB.-CERTALDO	325	Max WS	100-9-SA	619.01	72.20	79.84		80.09	0.001168	2.23	278.04	69.93	0.36
POGGIB.-CERTALDO	325	Max WS	30-9-SA	459.43	72.20	79.53		79.69	0.000834	1.79	256.36	69.89	0.30
POGGIB.-CERTALDO	324	Max WS	elsa tr500 sa	593.28	72.30	80.23		80.66	0.001992	2.91	203.65	50.28	0.46
POGGIB.-CERTALDO	324	Max WS	200-9-SA	494.29	72.30	79.87		80.23	0.001835	2.66	185.75	49.81	0.44
POGGIB.-CERTALDO	324	Max WS	100-9-SA	430.47	72.30	79.77		80.06	0.001492	2.38	180.92	49.17	0.40
POGGIB.-CERTALDO	324	Max WS	30-9-SA	314.28	72.30	79.49		79.67	0.000969	1.88	167.45	46.93	0.32
POGGIB.-CERTALDO	323	Max WS	elsa tr500 sa	348.11	72.35	80.42		80.50	0.000285	1.20	289.74	62.25	0.18
POGGIB.-CERTALDO	323	Max WS	200-9-SA	322.89	72.35	79.96		80.04	0.000342	1.24	260.96	62.25	0.19
POGGIB.-CERTALDO	323	Max WS	100-9-SA	290.79	72.35	79.82		79.89	0.000308	1.15	252.44	62.25	0.18
POGGIB.-CERTALDO	323	Max WS	30-9-SA	249.22	72.35	79.46		79.52	0.000304	1.08	229.93	62.25	0.18
POGGIB.-CERTALDO	322	Max WS	elsa tr500 sa	628.56	72.32	79.89		80.06	0.001136	1.86	338.42	113.15	0.34
POGGIB.-CERTALDO	322	Max WS	200-9-SA	546.75	72.32	79.32		79.52	0.001526	1.98	275.79	104.72	0.39
POGGIB.-CERTALDO	322	Max WS	100-9-SA	529.99	72.32	79.04		79.28	0.001886	2.14	247.97	98.76	0.43
POGGIB.-CERTALDO	322	Max WS	30-9-SA	452.26	72.32	78.67		78.90	0.002023	2.13	212.73	89.93	0.44
POGGIB.-CERTALDO	321.98			Lat Struct									
POGGIB.-CERTALDO	321	Max WS	elsa tr500 sa	705.29	72.30	79.34		79.71	0.001728	2.68	263.20	68.05	0.43
POGGIB.-CERTALDO	321	Max WS	200-9-SA	559.97	72.30	78.88		79.18	0.001613	2.41	232.03	66.94	0.41
POGGIB.-CERTALDO	321	Max WS	100-9-SA	525.47	72.30	78.56		78.87	0.001935	2.50	210.25	66.15	0.45
POGGIB.-CERTALDO	321	Max WS	30-9-SA	452.28	72.30	78.16		78.47	0.002175	2.46	184.17	65.19	0.47
POGGIB.-CERTALDO	320.99			Lat Struct									
POGGIB.-CERTALDO	320	Max WS	elsa tr500 sa	730.43	71.80	78.69		79.23	0.003026	3.26	224.23	65.73	0.56
POGGIB.-CERTALDO	320	Max WS	200-9-SA	591.22	71.80	78.21		78.69	0.003187	3.07	192.78	64.62	0.57
POGGIB.-CERTALDO	320	Max WS	100-9-SA	516.43	71.80	78.00		78.42	0.003059	2.88	179.26	64.14	0.55
POGGIB.-CERTALDO	320	Max WS	30-9-SA	404.60	71.80	77.80		78.10	0.002386	2.43	166.21	63.68	0.48
POGGIB.-CERTALDO	319.99			Lat Struct									
POGGIB.-CERTALDO	319.98			Lat Struct									
POGGIB.-CERTALDO	319	Max WS	elsa tr500 sa	465.62	71.60	78.48		78.81	0.001193	2.54	183.11	34.45	0.35
POGGIB.-CERTALDO	319	Max WS	200-9-SA	416.06	71.60	77.74		78.09	0.001489	2.64	157.80	34.45	0.39
POGGIB.-CERTALDO	319	Max WS	100-9-SA	399.74	71.60	77.31		77.71	0.001855	2.80	142.96	34.45	0.44
POGGIB.-CERTALDO	319	Max WS	30-9-SA	382.17	71.60	76.62		77.14	0.002969	3.21	119.07	34.45	0.55
POGGIB.-CERTALDO	318.58			Lat Struct									
POGGIB.-CERTALDO	318	Max WS	elsa tr500 sa	821.96	71.20	77.27		77.81	0.002039	3.24	254.04	53.78	0.48
POGGIB.-CERTALDO	318	Max WS	200-9-SA	630.93	71.20	77.03		77.38	0.001422	2.62	240.71	53.78	0.40
POGGIB.-CERTALDO	318	Max WS	100-9-SA	528.07	71.20	76.84		77.10	0.001046	2.29	230.70	50.13	0.34
POGGIB.-CERTALDO	318	Max WS	30-9-SA	397.31	71.20	76.39		76.57	0.000809	1.91	208.25	49.53	0.30
POGGIB.-CERTALDO	317.6	Max WS	elsa tr500 sa	830.41	71.20	77.36		77.78	0.001484	2.87	289.16	56.99	0.41
POGGIB.-CERTALDO	317.6	Max WS	200-9-SA	637.14	71.20	77.08		77.36	0.001043	2.33	273.16	56.99	0.34
POGGIB.-CERTALDO	317.6	Max WS	100-9-SA	532.87	71.20	76.88		77.09	0.000835	2.04	261.63	56.99	0.30
POGGIB.-CERTALDO	317.6	Max WS	30-9-SA	399.34	71.20	76.42		76.56	0.000655	1.70	235.31	56.99	0.27
POGGIB.-CERTALDO	317.56	Max WS	elsa tr500 sa	841.78	71.20	77.28		77.74	0.001837	2.99	281.97	56.99	0.43
POGGIB.-CERTALDO	317.56	Max WS	200-9-SA	645.44	71.20	77.03		77.33	0.001271	2.41	267.73	56.99	0.36
POGGIB.-CERTALDO	317.56	Max WS	100-9-SA	539.52	71.20	76.84		77.07	0.001011	2.10	256.93	56.99	0.32
POGGIB.-CERTALDO	317.56	Max WS	30-9-SA	404.59	71.20	76.39		76.55	0.000765	1.75	231.51	55.99	0.27
POGGIB.-CERTALDO	317.54	Max WS	elsa tr500 sa	842.96	71.20	77.24		77.71	0.001886	3.01	279.86	56.99	0.43
POGGIB.-CERTALDO	317.54	Max WS	200-9-SA	646.23	71.20	77.01		77.31	0.001294	2.43	266.43	56.99	0.36
POGGIB.-CERTALDO	317.54	Max WS	100-9-SA	540.08	71.20	76.83		77.05	0.001025	2.11	255.95	56.99	0.32
POGGIB.-CERTALDO	317.54	Max WS	30-9-SA	404.81	71.20	76.38		76.54	0.000772	1.75	230.83	55.99	0.28
POGGIB.-CERTALDO	317.5	Max WS	elsa tr500 sa	842.94	71.20	77.24		77.70	0.001687	3.00	281.37	58.28	0.44
POGGIB.-CERTALDO	317.5	Max WS	200-9-SA	646.23	71.20	77.01		77.30	0.001161	2.42	267.55	58.28	0.36
POGGIB.-CERTALDO	317.5	Max WS	100-9-SA	540.08	71.20	76.82		77.05	0.000922	2.10	256.82	58.28	0.32
POGGIB.-CERTALDO	317.5	Max WS	30-9-SA	404.81	71.20	76.38		76.53	0.000721	1.75	230.81	57.77	0.28
POGGIB.-CERTALDO	317.49			Lat Struct									
POGGIB.-CERTALDO	317.48			Lat Struct									
POGGIB.-CERTALDO	317.4	Max WS	elsa tr500 sa	816.70	71.20	77.29		77.70	0.001483	2.84	287.50	58.85	0.41
POGGIB.-CERTALDO	317.4	Max WS	200-9-SA	632.79	71.20	77.02		77.30	0.001060	2.33	271.92	58.85	0.35
POGGIB.-CERTALDO	317.4	Max WS	100-9-SA	532.70	71.20	76.83		77.04	0.000861	2.05	260.38	58.85	0.31
POGGIB.-CERTALDO	317.4	Max WS	30-9-SA	404.56	71.20	76.37		76.52	0.000696	1.73	233.44	58.33	0.28
POGGIB.-CERTALDO	317	Max WS	elsa tr500 sa	703.27	71.06	76.67		77.48	0.004279	3.99	176.31	49.33	0.67
POGGIB.-CERTALDO	317	Max WS	200-9-SA	584.02	71.06	76.38		77.04	0.003820	3.60	162.17	48.92	0.63
POGGIB.-CERTALDO	317	Max WS	100-9-SA	515.93	71.06	76.20		76.77	0.003573	3.37	152.97	48.65	0.61
POGGIB.-CERTALDO	317	Max WS	30-9-SA	404.52	71.06	75.80		76.27	0.003265	3.02	134.15	47.37	0.57
POGGIB.-CERTALDO	316	Max WS	elsa tr500 sa	663.49	71.22	76.96	75.24	77.37	0.001862	2.82	234.97	59.08	0.45
POGGIB.-CERTALDO	316	Max WS	200-9-SA	567.70	71.22	76.53	74.98	76.91	0.001955	2.71	209.72	59.08	0.46
POGGIB.-CERTALDO	316	Max WS	100-9-SA	511.37	71.22	76.27	74.82	76.62	0.002024	2.63	194.24	59.05	0.46
POGGIB.-CERTALDO	316	Max WS	30-9-SA	404.52	71.22	75.83	74.50	76.12	0.001963	2.40	168.20	57.58	0.45
POGGIB.-CERTALDO	315.5			Inl Struct									
POGGIB.-CERTALDO	315	Max WS	elsa tr500 sa	663.04	67.50	76.59		76.63	0.000102	0.95	699.05	97.21	0.11
POGGIB.-CERTALDO	315	Max WS	200-9-SA	567.14	67.50	76.04		76.08	0.000096	0.88	645.38	97.21	0.11
POGGIB.-CERTALDO	315	Max WS	100-9-SA	511.07	67.50	75.64		75.67	0.000095	0.84	606.39	97.21	0.11
POGGIB.-CERTALDO	315	Max WS	30-9-SA	404.34	67.50	74.91		74.94	0.000087	0.75	535.75	96.51	0.10
POGGIB.-CERTALDO	314.99			Lat Struct									
POGGIB.-CERTALDO	314.98			Lat Struct									
POGGIB.-CERTALDO	314.59			Lat Struct									

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	314	Max WS	elsa tr500 sa	667.06	67.40	76.50		76.63	0.000431	1.59	419.20	82.04	0.22
POGGIB.-CERTALDO	314	Max WS	200-9-SA	554.24	67.40	75.96		76.07	0.000423	1.48	375.20	81.97	0.22
POGGIB.-CERTALDO	314	Max WS	100-9-SA	497.00	67.40	75.56		75.67	0.000453	1.45	342.52	81.31	0.23
POGGIB.-CERTALDO	314	Max WS	30-9-SA	401.45	67.40	74.84		74.93	0.000374	1.38	290.11	73.26	0.21
POGGIB.-CERTALDO	313	Max WS	elsa tr500 sa	666.94	67.30	76.40		76.61	0.000796	2.01	331.09	69.98	0.30
POGGIB.-CERTALDO	313	Max WS	200-9-SA	554.10	67.30	75.88		76.06	0.000800	1.88	294.15	69.98	0.29
POGGIB.-CERTALDO	313	Max WS	100-9-SA	496.95	67.30	75.47		75.65	0.000884	1.87	266.06	69.61	0.30
POGGIB.-CERTALDO	313	Max WS	30-9-SA	401.41	67.30	74.74		74.92	0.001121	1.86	215.37	68.18	0.33
POGGIB.-CERTALDO	312.9	Max WS	elsa tr500 sa	666.93	67.30	76.40	72.38	76.61	0.000797	2.02	330.97	69.98	0.30
POGGIB.-CERTALDO	312.9	Max WS	200-9-SA	554.10	67.30	75.87	71.92	76.06	0.000801	1.88	294.02	69.98	0.29
POGGIB.-CERTALDO	312.9	Max WS	100-9-SA	496.97	67.30	75.47	71.69	75.65	0.000885	1.87	265.93	69.61	0.31
POGGIB.-CERTALDO	312.9	Max WS	30-9-SA	401.42	67.30	74.74	71.25	74.91	0.001125	1.87	215.19	68.17	0.34
POGGIB.-CERTALDO	312.5			Bridge									
POGGIB.-CERTALDO	312.1	Max WS	elsa tr500 sa	666.89	67.30	76.36		76.59	0.000701	2.23	321.96	58.21	0.28
POGGIB.-CERTALDO	312.1	Max WS	200-9-SA	554.05	67.30	75.84		76.04	0.000644	2.04	291.94	58.21	0.26
POGGIB.-CERTALDO	312.1	Max WS	100-9-SA	496.94	67.30	75.44		75.63	0.000659	1.99	268.80	58.21	0.26
POGGIB.-CERTALDO	312.1	Max WS	30-9-SA	401.41	67.30	74.72		74.89	0.000695	1.89	226.46	57.76	0.27
POGGIB.-CERTALDO	312	Max WS	elsa tr500 sa	666.92	67.30	76.37		76.59	0.000742	2.07	322.90	58.21	0.28
POGGIB.-CERTALDO	312	Max WS	200-9-SA	554.09	67.30	75.85		76.04	0.000697	1.89	292.68	58.21	0.27
POGGIB.-CERTALDO	312	Max WS	100-9-SA	496.94	67.30	75.46		75.63	0.000726	1.84	269.47	58.21	0.27
POGGIB.-CERTALDO	312	Max WS	30-9-SA	401.41	67.30	74.73		74.89	0.000810	1.77	227.09	57.77	0.28
POGGIB.-CERTALDO	311.99			Lat Struct									
POGGIB.-CERTALDO	311.98			Lat Struct									
POGGIB.-CERTALDO	311	Max WS	elsa tr500 sa	637.39	67.30	76.16		76.58	0.001499	2.88	221.33	43.49	0.41
POGGIB.-CERTALDO	311	Max WS	200-9-SA	541.93	67.30	75.64		76.02	0.001498	2.73	198.63	42.98	0.41
POGGIB.-CERTALDO	311	Max WS	100-9-SA	496.01	67.30	75.21		75.60	0.001579	2.74	180.72	40.49	0.41
POGGIB.-CERTALDO	311	Max WS	30-9-SA	401.35	67.30	74.50		74.85	0.001637	2.63	152.79	37.64	0.42
POGGIB.-CERTALDO	310.98			Lat Struct									
POGGIB.-CERTALDO	310.19			Lat Struct									
POGGIB.-CERTALDO	310	Max WS	elsa tr500 sa	652.55	66.10	75.91		76.14	0.000691	2.09	312.43	54.04	0.28
POGGIB.-CERTALDO	310	Max WS	200-9-SA	610.20	66.10	75.23		75.48	0.000890	2.21	275.69	54.04	0.31
POGGIB.-CERTALDO	310	Max WS	100-9-SA	545.62	66.10	74.82		75.06	0.000924	2.15	253.50	54.04	0.32
POGGIB.-CERTALDO	310	Max WS	30-9-SA	404.94	66.10	74.22		74.39	0.000784	1.83	220.92	54.04	0.29
POGGIB.-CERTALDO	309.99			Lat Struct									
POGGIB.-CERTALDO	309.28			Lat Struct									
POGGIB.-CERTALDO	309	Max WS	elsa tr500 sa	840.15	65.20	75.05		75.49	0.001817	2.96	284.22	63.72	0.45
POGGIB.-CERTALDO	309	Max WS	200-9-SA	704.18	65.20	74.45		74.87	0.001830	2.84	247.81	59.51	0.44
POGGIB.-CERTALDO	309	Max WS	100-9-SA	616.43	65.20	74.11		74.48	0.001753	2.71	227.62	57.04	0.43
POGGIB.-CERTALDO	309	Max WS	30-9-SA	467.88	65.20	73.66		73.93	0.001367	2.31	202.79	53.84	0.38
POGGIB.-CERTALDO	308.98			Lat Struct									
POGGIB.-CERTALDO	308	Max WS	elsa tr500 sa	681.81	65.00	74.97		75.19	0.000864	2.07	329.02	72.11	0.31
POGGIB.-CERTALDO	308	Max WS	200-9-SA	573.68	65.00	74.33		74.54	0.000965	2.03	283.24	70.50	0.32
POGGIB.-CERTALDO	308	Max WS	100-9-SA	513.80	65.00	73.92		74.13	0.001061	2.02	254.90	68.92	0.33
POGGIB.-CERTALDO	308	Max WS	30-9-SA	444.25	65.00	73.30		73.52	0.001365	2.09	212.84	66.50	0.37
POGGIB.-CERTALDO	307	Max WS	elsa tr500 sa	501.02	64.00	74.97		75.06	0.000308	1.33	377.47	72.01	0.19
POGGIB.-CERTALDO	307	Max WS	200-9-SA	437.30	64.00	74.31		74.40	0.000358	1.32	330.39	72.01	0.20
POGGIB.-CERTALDO	307	Max WS	100-9-SA	439.02	64.00	73.84		73.95	0.000512	1.48	295.93	72.01	0.23
POGGIB.-CERTALDO	307	Max WS	30-9-SA	438.86	64.00	73.08		73.25	0.000977	1.81	241.87	72.01	0.32
POGGIB.-CERTALDO	306.98			Lat Struct									
POGGIB.-CERTALDO	306.58			Lat Struct									
POGGIB.-CERTALDO	306	Max WS	elsa tr500 sa	447.80	63.80	74.93		75.04	0.000355	1.47	304.39	52.14	0.19
POGGIB.-CERTALDO	306	Max WS	200-9-SA	406.33	63.80	74.26		74.38	0.000425	1.51	269.84	52.14	0.21
POGGIB.-CERTALDO	306	Max WS	100-9-SA	427.97	63.80	73.75		73.91	0.000652	1.76	243.11	52.14	0.26
POGGIB.-CERTALDO	306	Max WS	30-9-SA	438.82	63.80	72.96		73.20	0.001229	2.17	201.89	52.14	0.35
POGGIB.-CERTALDO	305.98			Lat Struct									
POGGIB.-CERTALDO	305	Max WS	elsa tr500 sa	442.04	64.00	74.71		74.88	0.000558	1.85	238.42	38.44	0.24
POGGIB.-CERTALDO	305	Max WS	200-9-SA	432.85	64.00	73.98		74.20	0.000778	2.06	210.57	38.44	0.28
POGGIB.-CERTALDO	305	Max WS	100-9-SA	452.20	64.00	73.39		73.68	0.001200	2.41	187.83	38.44	0.35
POGGIB.-CERTALDO	305	Max WS	30-9-SA	438.55	64.00	72.54		72.94	0.001678	2.78	157.67	33.66	0.41
POGGIB.-CERTALDO	304.98			Lat Struct									
POGGIB.-CERTALDO	304.97			Lat Struct									
POGGIB.-CERTALDO	304.9	Max WS	elsa tr500 sa	496.77	63.74	74.46		74.68	0.000699	2.08	239.07	38.44	0.27
POGGIB.-CERTALDO	304.9	Max WS	200-9-SA	493.31	63.74	73.67		73.96	0.001038	2.36	208.66	38.44	0.32
POGGIB.-CERTALDO	304.9	Max WS	100-9-SA	470.55	63.74	73.15		73.47	0.001283	2.49	188.63	38.44	0.36
POGGIB.-CERTALDO	304.9	Max WS	30-9-SA	436.90	63.74	72.30		72.69	0.001644	2.76	158.39	33.70	0.41
POGGIB.-CERTALDO	304	Max WS	elsa tr500 sa	715.29	63.40	74.20		74.36	0.000810	1.77	404.06	107.83	0.29
POGGIB.-CERTALDO	304	Max WS	200-9-SA	633.31	63.40	73.51		73.69	0.000714	1.88	336.06	102.97	0.28
POGGIB.-CERTALDO	304	Max WS	100-9-SA	549.81	63.40	73.07		73.24	0.000725	1.81	303.85	92.68	0.28
POGGIB.-CERTALDO	304	Max WS	30-9-SA	444.60	63.40	72.33		72.49	0.000834	1.77	251.40	75.36	0.30
POGGIB.-CERTALDO	303.7	Max WS	elsa tr500 sa	861.20	63.80	73.60	70.62	74.09	0.001454	3.12	276.36	46.14	0.41
POGGIB.-CERTALDO	303.7	Max WS	200-9-SA	776.88	63.80	72.90	70.32	73.42	0.001723	3.18	244.25	46.14	0.44
POGGIB.-CERTALDO	303.7	Max WS	100-9-SA	657.81	63.80	72.60	69.87	73.01	0.001484	2.86	230.11	46.14	0.41
POGGIB.-CERTALDO	303.7	Max WS	30-9-SA	469.69	63.80	72.09	69.05	72.36	0.001049	2.27	206.90	46.14	0.34
POGGIB.-CERTALDO	303.65			Bridge									

Reach	River Sta	Profile	Plan	Q Total (m <sup>3</sup> /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m <sup>2</sup> )	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	303.6	Max WS	elsa tr500 sa	861.10	63.80	73.58		74.08	0.001468	3.13	275.49	46.14	0.41
POGGIB.-CERTALDO	303.6	Max WS	200-9-SA	776.21	63.80	72.88		73.40	0.001745	3.19	243.14	46.14	0.44
POGGIB.-CERTALDO	303.6	Max WS	100-9-SA	657.79	63.80	72.58		73.00	0.001502	2.87	229.18	46.14	0.41
POGGIB.-CERTALDO	303.6	Max WS	30-9-SA	469.68	63.80	72.08		72.35	0.001059	2.28	206.29	46.14	0.34
POGGIB.-CERTALDO	303.59			Lat Struct									
POGGIB.-CERTALDO	303.58			Lat Struct									
POGGIB.-CERTALDO	303	Max WS	elsa tr500 sa	807.52	63.80	73.36		73.85	0.001533	3.11	259.96	46.14	0.42
POGGIB.-CERTALDO	303	Max WS	200-9-SA	712.90	63.80	72.66		73.16	0.001794	3.13	227.60	46.14	0.45
POGGIB.-CERTALDO	303	Max WS	100-9-SA	620.88	63.80	72.32		72.76	0.001667	2.93	212.17	45.42	0.43
POGGIB.-CERTALDO	303	Max WS	30-9-SA	467.58	63.80	71.83		72.14	0.001287	2.46	190.28	43.96	0.38
POGGIB.-CERTALDO	302.58			Lat Struct									
POGGIB.-CERTALDO	302	Max WS	elsa tr500 sa	768.75	63.00	73.29		73.53	0.000879	2.16	355.20	72.24	0.31
POGGIB.-CERTALDO	302	Max WS	200-9-SA	650.82	63.00	72.60		72.83	0.001018	2.13	305.46	72.24	0.33
POGGIB.-CERTALDO	302	Max WS	100-9-SA	559.70	63.00	72.26		72.46	0.000986	1.99	280.77	72.24	0.32
POGGIB.-CERTALDO	302	Max WS	30-9-SA	439.15	63.00	71.70		71.87	0.000998	1.83	240.46	72.24	0.32
POGGIB.-CERTALDO	301.99			Lat Struct									
POGGIB.-CERTALDO	301	Max WS	elsa tr500 sa	601.36	63.00	72.93		73.28	0.001041	2.63	228.90	35.78	0.33
POGGIB.-CERTALDO	301	Max WS	200-9-SA	496.86	63.00	72.30		72.59	0.000967	2.41	206.29	35.78	0.32
POGGIB.-CERTALDO	301	Max WS	100-9-SA	456.13	63.00	71.91		72.19	0.001004	2.37	192.34	35.78	0.33
POGGIB.-CERTALDO	301	Max WS	30-9-SA	434.41	63.00	71.09		71.45	0.001500	2.67	162.94	35.78	0.40
POGGIB.-CERTALDO	300.98			Lat Struct									
POGGIB.-CERTALDO	300.29			Lat Struct									
POGGIB.-CERTALDO	300	Max WS	elsa tr500 sa	583.50	62.70	72.67		72.99	0.001066	2.52	231.57	41.03	0.34
POGGIB.-CERTALDO	300	Max WS	200-9-SA	524.65	62.70	71.87		72.23	0.001364	2.64	198.88	40.80	0.38
POGGIB.-CERTALDO	300	Max WS	100-9-SA	502.27	62.70	71.33		71.74	0.001758	2.84	177.09	39.94	0.43
POGGIB.-CERTALDO	300	Max WS	30-9-SA	449.67	62.70	70.34		70.87	0.002537	3.22	139.62	34.29	0.51
POGGIB.-CERTALDO	299.5	Max WS	elsa tr500 sa	751.37	61.57	72.62		72.73	0.000277	1.48	508.88	77.86	0.18
POGGIB.-CERTALDO	299.5	Max WS	200-9-SA	634.31	61.57	71.85		71.95	0.000292	1.41	448.96	77.86	0.19
POGGIB.-CERTALDO	299.5	Max WS	100-9-SA	560.81	61.57	71.35		71.44	0.000305	1.37	409.52	77.86	0.19
POGGIB.-CERTALDO	299.5	Max WS	30-9-SA	445.95	61.57	70.41		70.49	0.000336	1.32	338.02	73.79	0.20
POGGIB.-CERTALDO	299	Max WS	elsa tr500 sa	923.26	61.30	71.90		72.43	0.002097	3.21	287.50	60.46	0.47
POGGIB.-CERTALDO	299	Max WS	200-9-SA	768.22	61.30	71.11		71.63	0.002545	3.20	239.81	59.47	0.51
POGGIB.-CERTALDO	299	Max WS	100-9-SA	650.70	61.30	70.66		71.14	0.002601	3.04	213.70	58.53	0.51
POGGIB.-CERTALDO	299	Max WS	30-9-SA	458.33	61.30	69.92		70.27	0.002086	2.64	173.36	49.51	0.45
POGGIB.-CERTALDO	298.98			Lat Struct									
POGGIB.-CERTALDO	298.7	Max WS	elsa tr500 sa	892.33	61.20	71.66		72.14	0.001555	3.07	298.19	144.38	0.41
POGGIB.-CERTALDO	298.7	Max WS	200-9-SA	740.72	61.20	70.84		71.30	0.001838	3.04	249.76	144.38	0.44
POGGIB.-CERTALDO	298.7	Max WS	100-9-SA	637.51	61.20	70.34		70.78	0.001969	2.94	220.80	138.24	0.45
POGGIB.-CERTALDO	298.7	Max WS	30-9-SA	457.46	61.20	69.62		69.95	0.001794	2.55	179.58	48.96	0.42
POGGIB.-CERTALDO	298.62	Max WS	elsa tr500 sa	969.26	61.50	71.58		71.97	0.000854	2.84	368.72	124.43	0.33
POGGIB.-CERTALDO	298.62	Max WS	200-9-SA	759.67	61.50	70.86		71.17	0.000771	2.52	323.83	121.72	0.31
POGGIB.-CERTALDO	298.62	Max WS	100-9-SA	639.19	61.50	70.39		70.66	0.000715	2.31	294.90	120.68	0.30
POGGIB.-CERTALDO	298.62	Max WS	30-9-SA	453.30	61.50	69.67		69.85	0.000571	1.90	249.75	116.91	0.26
POGGIB.-CERTALDO	298.61	Max WS	elsa tr500 sa	988.28	61.50	71.60		71.89	0.000617	2.42	429.55	99.56	0.28
POGGIB.-CERTALDO	298.61	Max WS	200-9-SA	760.77	61.50	70.91		71.12	0.000513	2.08	383.97	99.56	0.25
POGGIB.-CERTALDO	298.61	Max WS	100-9-SA	636.23	61.50	70.45		70.63	0.000457	1.87	353.70	99.56	0.23
POGGIB.-CERTALDO	298.61	Max WS	30-9-SA	451.78	61.50	69.72		69.83	0.000352	1.52	305.25	99.56	0.20
POGGIB.-CERTALDO	298.6	Max WS	elsa tr500 sa	988.19	61.50	71.61		71.90	0.000886	2.39	419.86	71.50	0.31
POGGIB.-CERTALDO	298.6	Max WS	200-9-SA	760.78	61.50	70.90		71.12	0.000752	2.08	369.80	70.09	0.28
POGGIB.-CERTALDO	298.6	Max WS	100-9-SA	636.23	61.50	70.44		70.62	0.000683	1.90	337.35	69.15	0.27
POGGIB.-CERTALDO	298.6	Max WS	30-9-SA	451.74	61.50	69.70		69.82	0.000546	1.58	286.72	67.68	0.24
POGGIB.-CERTALDO	298.4	Max WS	elsa tr500 sa	988.11	61.50	71.60		71.89	0.000891	2.39	419.01	71.48	0.31
POGGIB.-CERTALDO	298.4	Max WS	200-9-SA	760.72	61.50	70.89		71.11	0.000756	2.09	369.12	70.07	0.28
POGGIB.-CERTALDO	298.4	Max WS	100-9-SA	636.18	61.50	70.43		70.61	0.000686	1.91	336.74	69.14	0.27
POGGIB.-CERTALDO	298.4	Max WS	30-9-SA	451.74	61.50	69.69		69.82	0.000548	1.58	286.27	67.66	0.24
POGGIB.-CERTALDO	298.38			Lat Struct									
POGGIB.-CERTALDO	298.36	Max WS	elsa tr500 sa	984.56	61.50	71.60		71.89	0.000750	2.38	417.56	66.52	0.30
POGGIB.-CERTALDO	298.36	Max WS	200-9-SA	758.29	61.50	70.90		71.11	0.000638	2.05	371.23	65.37	0.27
POGGIB.-CERTALDO	298.36	Max WS	100-9-SA	634.58	61.50	70.43		70.61	0.000580	1.87	341.06	64.61	0.26
POGGIB.-CERTALDO	298.36	Max WS	30-9-SA	451.47	61.50	69.69		69.82	0.000464	1.54	293.83	63.40	0.22
POGGIB.-CERTALDO	298.09	Max WS	elsa tr500 sa	932.71	60.57	71.45		71.83	0.001285	2.74	344.73	66.25	0.38
POGGIB.-CERTALDO	298.09	Max WS	200-9-SA	698.26	60.57	70.71		70.99	0.001154	2.38	295.95	64.89	0.35
POGGIB.-CERTALDO	298.09	Max WS	100-9-SA	583.41	60.57	70.25		70.50	0.001117	2.21	266.41	64.05	0.34
POGGIB.-CERTALDO	298.09	Max WS	30-9-SA	433.70	60.57	69.48		69.69	0.001154	2.00	217.89	62.65	0.34
POGGIB.-CERTALDO	298.08			Lat Struct									
POGGIB.-CERTALDO	298	Max WS	elsa tr500 sa	1108.00	62.50	71.03		71.41	0.001567	2.73	405.66	96.66	0.43
POGGIB.-CERTALDO	298	Max WS	200-9-SA	823.65	62.50	70.40		70.69	0.001325	2.37	347.31	90.21	0.39
POGGIB.-CERTALDO	298	Max WS	100-9-SA	669.80	62.50	70.00		70.23	0.001179	2.15	311.74	86.05	0.36
POGGIB.-CERTALDO	298	Max WS	30-9-SA	459.80	62.50	69.32		69.49	0.000960	1.80	255.69	79.04	0.32
POGGIB.-CERTALDO	297.99			Lat Struct									
POGGIB.-CERTALDO	297.98			Lat Struct									
POGGIB.-CERTALDO	296.18			Lat Struct									
POGGIB.-CERTALDO	296	Max WS	elsa tr500 sa	1047.93	61.70	70.11		70.88	0.003187	3.88	269.91	61.45	0.59
POGGIB.-CERTALDO	296	Max WS	200-9-SA	804.27	61.70	69.65		70.22	0.002630	3.32	242.03	60.74	0.53
POGGIB.-CERTALDO	296	Max WS	100-9-SA	662.35	61.70	69.37		69.81	0.002234	2.94	225.13	60.31	0.49
POGGIB.-CERTALDO	296	Max WS	30-9-SA	460.35	61.70	68.87		69.15	0.001699	2.36	194.70	59.53	0.42



Reach	River Sta	Profile	Plan	Q Total (m <sup>3</sup> /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m <sup>2</sup> )	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	295	Max WS	elsa tr500 sa	749.69	61.20	70.23		70.61	0.001357	2.76	271.86	53.37	0.39
POGGIB.-CERTALDO	295	Max WS	200-9-SA	597.42	61.20	69.61		69.93	0.001258	2.50	239.36	52.39	0.37
POGGIB.-CERTALDO	295	Max WS	100-9-SA	517.02	61.20	69.23		69.51	0.001226	2.36	219.27	51.65	0.37
POGGIB.-CERTALDO	295	Max WS	30-9-SA	425.07	61.20	68.47		68.75	0.001492	2.35	180.62	50.20	0.40
POGGIB.-CERTALDO	294.19			Lat Struct									
POGGIB.-CERTALDO	294	Max WS	elsa tr500 sa	917.92	62.20	68.95		69.68	0.003221	3.78	242.84	59.46	0.60
POGGIB.-CERTALDO	294	Max WS	200-9-SA	732.12	62.20	68.57		69.13	0.002759	3.32	220.24	58.62	0.55
POGGIB.-CERTALDO	294	Max WS	100-9-SA	629.06	62.20	68.29		68.78	0.002574	3.08	204.01	58.00	0.52
POGGIB.-CERTALDO	294	Max WS	30-9-SA	447.82	62.20	67.89		68.20	0.001890	2.48	180.64	56.69	0.44
POGGIB.-CERTALDO	293.98			Lat Struct									
POGGIB.-CERTALDO	293.59			Lat Struct									
POGGIB.-CERTALDO	293	Max WS	elsa tr500 sa	761.66	61.90	68.96		69.20	0.000998	2.18	348.92	81.57	0.34
POGGIB.-CERTALDO	293	Max WS	200-9-SA	585.43	61.90	68.56		68.74	0.000797	1.85	316.93	80.89	0.30
POGGIB.-CERTALDO	293	Max WS	100-9-SA	492.02	61.90	68.27		68.41	0.000721	1.68	292.99	80.37	0.28
POGGIB.-CERTALDO	293	Max WS	30-9-SA	372.87	61.90	67.78		67.89	0.000653	1.47	253.78	79.53	0.26
POGGIB.-CERTALDO	292	Max WS	elsa tr500 sa	564.18	61.90	68.73		69.09	0.001671	2.69	209.64	50.57	0.42
POGGIB.-CERTALDO	292	Max WS	200-9-SA	437.19	61.90	68.38		68.64	0.001320	2.28	191.93	50.42	0.37
POGGIB.-CERTALDO	292	Max WS	100-9-SA	366.94	61.90	68.10		68.32	0.001165	2.06	178.08	49.77	0.35
POGGIB.-CERTALDO	292	Max WS	30-9-SA	282.81	61.90	67.61		67.78	0.001076	1.84	153.97	48.62	0.33
POGGIB.-CERTALDO	291	Max WS	elsa tr500 sa	585.14	62.00	68.61		68.82	0.000923	2.05	285.97	66.58	0.32
POGGIB.-CERTALDO	291	Max WS	200-9-SA	412.72	62.00	68.36		68.48	0.000556	1.53	269.33	66.58	0.24
POGGIB.-CERTALDO	291	Max WS	100-9-SA	334.15	62.00	68.10		68.19	0.000451	1.33	251.77	66.40	0.22
POGGIB.-CERTALDO	291	Max WS	30-9-SA	240.49	62.00	67.62		67.68	0.000356	1.09	220.03	65.58	0.19
POGGIB.-CERTALDO	290.98			Lat Struct									
POGGIB.-CERTALDO	290.49			Lat Struct									
POGGIB.-CERTALDO	290	Max WS	elsa tr500 sa	507.76	61.90	68.41		68.63	0.000998	2.08	244.13	59.70	0.33
POGGIB.-CERTALDO	290	Max WS	200-9-SA	527.30	61.90	67.68		68.03	0.001991	2.63	200.56	59.02	0.46
POGGIB.-CERTALDO	290	Max WS	100-9-SA	480.38	61.90	67.37		67.73	0.002213	2.63	182.58	58.41	0.48
POGGIB.-CERTALDO	290	Max WS	30-9-SA	380.41	61.90	66.94		67.23	0.002212	2.42	157.20	57.44	0.47
POGGIB.-CERTALDO	289	Max WS	elsa tr500 sa	507.15	61.80	68.24		68.46	0.001000	2.09	242.43	58.39	0.33
POGGIB.-CERTALDO	289	Max WS	200-9-SA	493.02	61.80	67.46		67.78	0.001836	2.51	196.62	58.39	0.44
POGGIB.-CERTALDO	289	Max WS	100-9-SA	456.71	61.80	67.08		67.43	0.002291	2.61	174.89	58.39	0.48
POGGIB.-CERTALDO	289	Max WS	30-9-SA	380.38	61.80	66.48		66.85	0.003012	2.70	140.71	55.12	0.54
POGGIB.-CERTALDO	288.48			Lat Struct									
POGGIB.-CERTALDO	288	Max WS	elsa tr500 sa	742.76	62.00	68.00		68.24	0.001332	2.18	341.30	98.70	0.37
POGGIB.-CERTALDO	288	Max WS	200-9-SA	596.65	62.00	67.39		67.62	0.001625	2.13	280.60	98.70	0.40
POGGIB.-CERTALDO	288	Max WS	100-9-SA	513.91	62.00	67.08		67.30	0.001748	2.05	250.36	98.70	0.41
POGGIB.-CERTALDO	288	Max WS	30-9-SA	412.95	62.00	66.46		66.70	0.002729	2.18	189.52	95.85	0.49
POGGIB.-CERTALDO	287.6	Max WS	elsa tr500 sa	742.76	62.00	67.99	66.30	68.23	0.001346	2.18	340.13	98.70	0.38
POGGIB.-CERTALDO	287.6	Max WS	200-9-SA	596.61	62.00	67.37	66.03	67.61	0.001649	2.14	279.30	98.70	0.41
POGGIB.-CERTALDO	287.6	Max WS	100-9-SA	513.91	62.00	67.07	65.71	67.28	0.001780	2.06	249.01	98.70	0.41
POGGIB.-CERTALDO	287.6	Max WS	30-9-SA	412.90	62.00	66.43	65.32	66.68	0.002834	2.21	187.24	95.67	0.50
POGGIB.-CERTALDO	287.5			Inl Struct									
POGGIB.-CERTALDO	287.4	Max WS	elsa tr500 sa	742.76	58.70	67.84		67.87	0.000125	0.82	909.19	195.32	0.12
POGGIB.-CERTALDO	287.4	Max WS	200-9-SA	596.51	58.70	67.22		67.25	0.000129	0.76	787.92	195.32	0.12
POGGIB.-CERTALDO	287.4	Max WS	100-9-SA	513.88	58.70	66.91		66.94	0.000124	0.71	727.91	195.32	0.12
POGGIB.-CERTALDO	287.4	Max WS	30-9-SA	411.95	58.70	66.21		66.24	0.000158	0.70	591.34	195.32	0.13
POGGIB.-CERTALDO	287	Max WS	elsa tr500 sa	742.76	58.70	67.83		67.87	0.000125	0.82	908.30	195.32	0.12
POGGIB.-CERTALDO	287	Max WS	200-9-SA	596.52	58.70	67.21		67.24	0.000129	0.76	787.09	195.32	0.12
POGGIB.-CERTALDO	287	Max WS	100-9-SA	513.88	58.70	66.91		66.93	0.000124	0.71	727.20	195.32	0.12
POGGIB.-CERTALDO	287	Max WS	30-9-SA	411.93	58.70	66.21		66.23	0.000158	0.70	590.57	195.32	0.13
POGGIB.-CERTALDO	286.99			Lat Struct									
POGGIB.-CERTALDO	286	Max WS	elsa tr500 sa	816.74	59.00	67.80		67.85	0.000183	0.99	827.94	178.02	0.15
POGGIB.-CERTALDO	286	Max WS	200-9-SA	638.34	59.00	67.19		67.23	0.000177	0.89	719.31	178.02	0.14
POGGIB.-CERTALDO	286	Max WS	100-9-SA	540.28	59.00	66.89		66.92	0.000163	0.81	665.75	178.02	0.13
POGGIB.-CERTALDO	286	Max WS	30-9-SA	416.68	59.00	66.19		66.22	0.000191	0.77	542.20	178.02	0.14
POGGIB.-CERTALDO	285.99			Lat Struct									
POGGIB.-CERTALDO	285.98			Lat Struct									
POGGIB.-CERTALDO	285	Max WS	elsa tr500 sa	965.26	59.00	67.40		67.72	0.002337	2.54	380.50	133.93	0.48
POGGIB.-CERTALDO	285	Max WS	200-9-SA	737.34	59.00	66.80		67.11	0.002954	2.45	300.73	133.93	0.52
POGGIB.-CERTALDO	285	Max WS	100-9-SA	614.94	59.00	66.52		66.80	0.003170	2.33	263.44	133.50	0.53
POGGIB.-CERTALDO	285	Max WS	30-9-SA	406.42	59.00	65.91		66.17	0.004604	2.23	182.60	132.03	0.60
POGGIB.-CERTALDO	284	Max WS	elsa tr500 sa	992.60	58.90	67.37		67.67	0.001795	2.45	405.64	124.40	0.43
POGGIB.-CERTALDO	284	Max WS	200-9-SA	753.65	58.90	66.80		67.06	0.001889	2.25	335.67	122.42	0.43
POGGIB.-CERTALDO	284	Max WS	100-9-SA	626.48	58.90	66.53		66.75	0.001819	2.07	303.15	122.01	0.42
POGGIB.-CERTALDO	284	Max WS	30-9-SA	447.65	58.90	65.98		66.16	0.002100	1.90	236.01	120.87	0.43
POGGIB.-CERTALDO	283	Max WS	elsa tr500 sa	1095.74	58.60	67.13		67.40	0.001800	2.30	475.84	160.77	0.43
POGGIB.-CERTALDO	283	Max WS	200-9-SA	799.47	58.60	66.61		66.82	0.001719	2.04	392.54	153.98	0.41
POGGIB.-CERTALDO	283	Max WS	100-9-SA	649.46	58.60	66.37		66.54	0.001501	1.82	356.67	149.35	0.38
POGGIB.-CERTALDO	283	Max WS	30-9-SA	410.49	58.60	65.87		65.97	0.001121	1.44	284.19	134.90	0.32
POGGIB.-CERTALDO	282	Max WS	elsa tr500 sa	1095.23	58.50	67.07		67.35	0.001529	2.33	470.72	138.19	0.40
POGGIB.-CERTALDO	282	Max WS	200-9-SA	799.46	58.50	66.56		66.77	0.001361	1.99	401.08	136.26	0.37
POGGIB.-CERTALDO	282	Max WS	100-9-SA	648.84	58.50	66.34		66.49	0.001158	1.75	370.40	135.39	0.34
POGGIB.-CERTALDO	282	Max WS	30-9-SA	410.18	58.50	65.85		65.94	0.000864	1.34	305.20	133.49	0.28
POGGIB.-CERTALDO	281.9	Max WS	elsa tr500 sa	1083.68	58.50	66.77	65.32	67.32	0.002429	3.28	330.07	137.06	0.52
POGGIB.-CERTALDO	281.9	Max WS	200-9-SA	799.12	58.50	66.39	64.83	66.75	0.001837	2.67	298.94	135.58	0.44

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
POGGIB.-CERTALDO	281.9	Max WS	100-9-SA	644.46	58.50	66.22	63.69	66.48	0.001395	2.26	285.36	134.93	0.38
POGGIB.-CERTALDO	281.9	Max WS	30-9-SA	409.46	58.50	65.80	62.69	65.94	0.000856	1.63	251.67	133.28	0.29
POGGIB.-CERTALDO	281.5			Bridge									
POGGIB.-CERTALDO	281.1	Max WS	elsa tr500 sa	1089.56	58.80	66.92		67.20	0.000881	2.34	465.05	89.54	0.33
POGGIB.-CERTALDO	281.1	Max WS	200-9-SA	799.37	58.80	66.50		66.68	0.000594	1.87	428.54	86.39	0.27
POGGIB.-CERTALDO	281.1	Max WS	100-9-SA	648.00	58.80	66.31		66.43	0.000436	1.57	411.75	84.90	0.23
POGGIB.-CERTALDO	281.1	Max WS	30-9-SA	410.20	58.80	65.85		65.91	0.000228	1.10	373.80	81.44	0.16
POGGIB.-CERTALDO	281	Max WS	elsa tr500 sa	1085.96	58.80	66.91		67.19	0.000880	2.34	464.07	89.46	0.33
POGGIB.-CERTALDO	281	Max WS	200-9-SA	799.37	58.80	66.50		66.68	0.000596	1.87	427.93	86.34	0.27
POGGIB.-CERTALDO	281	Max WS	100-9-SA	647.84	58.80	66.30		66.43	0.000437	1.57	411.34	84.87	0.23
POGGIB.-CERTALDO	281	Max WS	30-9-SA	410.13	58.80	65.85		65.91	0.000228	1.10	373.58	81.42	0.16
POGGIB.-CERTALDO	280	Max WS	elsa tr500 sa	1083.60	58.00	66.87		67.13	0.000866	2.28	476.30	94.48	0.32
POGGIB.-CERTALDO	280	Max WS	200-9-SA	799.28	58.00	66.47		66.64	0.000602	1.82	438.88	92.56	0.27
POGGIB.-CERTALDO	280	Max WS	100-9-SA	647.30	58.00	66.28		66.40	0.000445	1.54	421.61	91.66	0.23
POGGIB.-CERTALDO	280	Max WS	30-9-SA	409.95	58.00	65.84		65.90	0.000241	1.08	381.27	89.52	0.17
POGGIB.-CERTALDO	279.99			Lat Struct									
POGGIB.-CERTALDO	279.98			Lat Struct									
POGGIB.-CERTALDO	279.58			Lat Struct									
POGGIB.-CERTALDO	279	Max WS	elsa tr500 sa	1012.92	58.10	66.73		67.08	0.001054	2.62	387.14	157.37	0.36
POGGIB.-CERTALDO	279	Max WS	200-9-SA	695.91	58.10	66.37		66.56	0.000623	1.93	361.27	157.37	0.27
POGGIB.-CERTALDO	279	Max WS	100-9-SA	624.96	58.10	66.21		66.37	0.000558	1.79	349.58	157.34	0.26
POGGIB.-CERTALDO	279	Max WS	30-9-SA	407.00	58.10	65.80		65.88	0.000311	1.27	320.44	156.48	0.19
POGGIB.-CERTALDO	278	Max WS	elsa tr500 sa	989.68	58.10	66.65		67.09	0.001387	2.93	337.98	130.62	0.40
POGGIB.-CERTALDO	278	Max WS	200-9-SA	736.11	58.10	66.33		66.60	0.000938	2.32	317.59	130.62	0.33
POGGIB.-CERTALDO	278	Max WS	100-9-SA	609.58	58.10	66.17		66.37	0.000715	1.98	307.35	130.62	0.29
POGGIB.-CERTALDO	278	Max WS	30-9-SA	425.35	58.10	65.74		65.86	0.000460	1.52	280.52	129.49	0.23
POGGIB.-CERTALDO	277	Max WS	elsa tr500 sa	810.31	57.60	66.79		67.12	0.001058	2.54	319.60	58.25	0.35
POGGIB.-CERTALDO	277	Max WS	200-9-SA	634.54	57.60	66.37		66.61	0.000832	2.15	295.10	58.25	0.30
POGGIB.-CERTALDO	277	Max WS	100-9-SA	541.20	57.60	66.17		66.36	0.000686	1.91	283.49	58.25	0.28
POGGIB.-CERTALDO	277	Max WS	30-9-SA	408.88	57.60	65.70		65.83	0.000528	1.60	256.00	57.17	0.24
POGGIB.-CERTALDO	276.99			Lat Struct									
POGGIB.-CERTALDO	276	Max WS	elsa tr500 sa	670.12	57.88	66.76		67.18	0.001294	2.86	234.17	37.67	0.37
POGGIB.-CERTALDO	276	Max WS	200-9-SA	558.49	57.88	66.24		66.58	0.001169	2.60	214.49	37.67	0.35
POGGIB.-CERTALDO	276	Max WS	100-9-SA	516.21	57.88	65.98		66.31	0.001147	2.52	204.81	37.67	0.35
POGGIB.-CERTALDO	276	Max WS	30-9-SA	447.69	57.88	65.43		65.73	0.001136	2.43	184.41	35.95	0.34
POGGIB.-CERTALDO	275	Max WS	elsa tr500 sa	592.26	57.47	66.27		67.05	0.003331	3.93	150.83	29.05	0.55
POGGIB.-CERTALDO	275	Max WS	200-9-SA	540.58	57.47	65.36		66.31	0.004793	4.33	124.77	27.99	0.66
POGGIB.-CERTALDO	275	Max WS	100-9-SA	510.23	57.47	64.96		65.99	0.005569	4.48	113.82	27.46	0.70
POGGIB.-CERTALDO	275	Max WS	30-9-SA	447.67	57.47	64.21		65.37	0.006446	4.77	93.94	22.91	0.75
POGGIB.-CERTALDO	274	Max WS	elsa tr500 sa	612.43	57.39	66.51		66.70	0.000644	1.94	314.97	60.10	0.27
POGGIB.-CERTALDO	274	Max WS	200-9-SA	540.57	57.39	65.64		65.85	0.000873	2.05	263.21	59.07	0.31
POGGIB.-CERTALDO	274	Max WS	100-9-SA	510.23	57.39	65.22		65.46	0.001038	2.13	239.02	57.87	0.34
POGGIB.-CERTALDO	274	Max WS	30-9-SA	447.67	57.39	64.46		64.73	0.001439	2.29	195.80	54.84	0.39
POGGIB.-CERTALDO	273	Max WS	elsa tr500 sa	474.70	56.94	66.62		66.69	0.000241	1.22	390.53	73.51	0.17
POGGIB.-CERTALDO	273	Max WS	200-9-SA	538.87	56.94	65.60		65.74	0.000605	1.71	315.66	72.68	0.26
POGGIB.-CERTALDO	273	Max WS	100-9-SA	510.22	56.94	65.16		65.33	0.000741	1.79	284.34	70.93	0.29
POGGIB.-CERTALDO	273	Max WS	30-9-SA	447.68	56.94	64.34		64.54	0.001122	1.97	227.59	67.81	0.34
POGGIB.-CERTALDO	272	Max WS	elsa tr500 sa	1097.65	56.54	65.30		65.90	0.002658	3.45	318.08	75.59	0.54
POGGIB.-CERTALDO	272	Max WS	200-9-SA	773.02	56.54	64.87		65.24	0.001842	2.71	285.65	74.73	0.44
POGGIB.-CERTALDO	272	Max WS	100-9-SA	655.93	56.54	64.56		64.87	0.001730	2.50	262.55	74.19	0.42
POGGIB.-CERTALDO	272	Max WS	30-9-SA	480.65	56.54	63.85		64.11	0.001793	2.28	211.04	70.55	0.42
POGGIB.-CERTALDO	271.99			Lat Struct									
POGGIB.-CERTALDO	271	Max WS	elsa tr500 sa	969.96	56.53	65.33		65.70	0.001427	2.71	357.30	75.35	0.40
POGGIB.-CERTALDO	271	Max WS	200-9-SA	742.45	56.53	64.74		65.02	0.001247	2.37	313.60	73.95	0.37
POGGIB.-CERTALDO	271	Max WS	100-9-SA	653.87	56.53	64.38		64.64	0.001279	2.28	286.92	73.38	0.37
POGGIB.-CERTALDO	271	Max WS	30-9-SA	480.66	56.53	63.65		63.87	0.001310	2.05	234.33	72.24	0.36
POGGIB.-CERTALDO	270	Max WS	elsa tr500 sa	806.09	54.36	65.33		65.64	0.001040	2.46	327.57	61.07	0.34
POGGIB.-CERTALDO	270	Max WS	200-9-SA	717.84	54.36	64.50		64.84	0.001366	2.59	277.57	60.02	0.38
POGGIB.-CERTALDO	270	Max WS	100-9-SA	653.60	54.36	64.09		64.43	0.001515	2.59	252.61	59.40	0.40
POGGIB.-CERTALDO	270	Max WS	30-9-SA	480.66	54.36	63.40		63.66	0.001409	2.27	212.14	58.39	0.38
POGGIB.-CERTALDO	269	Max WS	elsa tr500 sa	942.90	54.91	64.75		65.15	0.001695	2.81	336.00	77.15	0.43
POGGIB.-CERTALDO	269	Max WS	200-9-SA	742.65	54.91	64.02		64.38	0.001825	2.85	280.54	74.94	0.44
POGGIB.-CERTALDO	269	Max WS	100-9-SA	652.68	54.91	63.60		63.95	0.002029	2.62	249.07	73.24	0.45
POGGIB.-CERTALDO	269	Max WS	30-9-SA	477.90	54.91	62.85		63.16	0.002318	2.45	195.39	70.59	0.47
POGGIB.-CERTALDO	268.1	Max WS	elsa tr500 sa	1109.11	54.27	63.69		64.61	0.004038	4.26	260.43	58.54	0.64
POGGIB.-CERTALDO	268.1	Max WS	200-9-SA	758.84	54.27	63.68		64.12	0.001896	2.92	260.16	58.54	0.44
POGGIB.-CERTALDO	268.1	Max WS	100-9-SA	652.70	54.27	63.33		63.71	0.001819	2.72	239.67	58.52	0.43
POGGIB.-CERTALDO	268.1	Max WS	30-9-SA	477.89	54.27	62.60		62.90	0.001802	2.43	196.98	57.97	0.42
POGGIB.-CERTALDO	268	Max WS	elsa tr500 sa	1109.12	54.27	63.68	62.53	64.61	0.004058	4.27	260.02	58.54	0.65
POGGIB.-CERTALDO	268	Max WS	200-9-SA	745.18	54.27	63.68	61.54	64.10	0.001832	2.87	260.02	58.54	0.43
POGGIB.-CERTALDO	268	Max WS	100-9-SA	652.71	54.27	63.33	61.28	63.71	0.001822	2.72	239.54	58.52	0.43
POGGIB.-CERTALDO	268	Max WS	30-9-SA	477.88	54.27	62.60	60.03	62.90	0.001805	2.43	196.85	57.94	0.42

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev (m)	SA Min El (m)	Net Flux (m3/s)	SA Area (1000 m2)	SA Volume (1000 m3)
D0	Max WS	elsa tr500 sa	89.57	86.90	0.75	69.79	72.28
D0	Max WS	200-9-SA	88.98	86.90	0.44	45.17	37.01
D0	Max WS	100-9-SA	88.59	86.90	-0.19	34.61	20.41
D0	Max WS	30-9-SA	86.90	86.90	0.00	0.00	0.00
D10A	Max WS	elsa tr500 sa	76.24	68.80	0.02	4.69	8.72
D10A	Max WS	200-9-SA	75.75	68.80	0.25	4.61	6.42
D10A	Max WS	100-9-SA	75.58	68.80	0.02	4.55	5.63
D10A	Max WS	30-9-SA	73.97	68.80	0.20	0.57	1.11
D10B	Max WS	elsa tr500 sa	76.34	71.90	0.05	19.81	28.69
D10B	Max WS	200-9-SA	75.87	71.90	0.03	18.97	19.63
D10B	Max WS	100-9-SA	75.71	71.90	-0.63	18.29	16.65
D10B	Max WS	30-9-SA	74.38	71.90	0.04	1.39	0.78
D11A	Max WS	elsa tr500 sa	75.79	71.40	-43.65	73.71	146.08
D11A	Max WS	200-9-SA	74.95	71.40	-13.41	72.97	83.73
D11A	Max WS	100-9-SA	74.45	71.40	1.91	72.07	47.43
D11A	Max WS	30-9-SA	72.81	71.40	0.02	0.49	0.12
D11B	Max WS	elsa tr500 sa	74.98	65.90	7.18	67.73	145.76
D11B	Max WS	200-9-SA	74.31	65.90	5.16	67.06	101.19
D11B	Max WS	100-9-SA	73.86	65.90	5.90	66.68	70.69
D11B	Max WS	30-9-SA	73.08	65.90	1.39	55.08	20.99
D11C	Max WS	elsa tr500 sa	76.31	72.40	44.38	30.38	59.76
D11C	Max WS	200-9-SA	75.17	72.40	14.79	27.39	26.49
D11C	Max WS	100-9-SA	74.36	72.40	1.08	18.75	6.08
D11C	Max WS	30-9-SA	72.40	72.40	0.00	0.00	0.00
D12A	Max WS	elsa tr500 sa	75.20	72.50	0.23	39.81	21.11
D12A	Max WS	200-9-SA	74.44	72.50	0.15	15.44	4.28
D12A	Max WS	100-9-SA	74.14	72.50	0.16	4.87	1.26
D12A	Max WS	30-9-SA	72.81	72.50	0.00	0.05	0.00
D12B	Max WS	elsa tr500 sa	74.94	69.80	1.33	196.97	319.46
D12B	Max WS	200-9-SA	74.29	69.80	1.82	172.29	198.47
D12B	Max WS	100-9-SA	73.84	69.80	0.76	144.38	128.34
D12B	Max WS	30-9-SA	73.02	69.80	2.95	90.95	34.03
D13	Max WS	elsa tr500 sa	74.81	66.10	0.03	12.83	29.23
D13	Max WS	200-9-SA	74.12	66.10	1.14	12.82	20.30
D13	Max WS	100-9-SA	73.57	66.10	0.93	12.70	13.26
D13	Max WS	30-9-SA	72.75	66.10	0.12	7.00	3.55
D14	Max WS	elsa tr500 sa	74.45	69.50	52.51	175.15	255.82
D14	Max WS	200-9-SA	73.72	69.50	27.85	147.99	135.66
D14	Max WS	100-9-SA	73.21	69.50	18.84	115.99	69.15
D14	Max WS	30-9-SA	72.24	69.50	2.30	32.91	10.61
D15A	Max WS	elsa tr500 sa	73.48	68.70	-64.38	54.49	98.94
D15A	Max WS	200-9-SA	72.69	68.70	-31.72	54.06	56.32
D15A	Max WS	100-9-SA	72.33	68.70	-14.34	53.64	36.78
D15A	Max WS	30-9-SA	71.79	68.70	-1.20	28.91	11.56
D15B	Max WS	elsa tr500 sa	73.15	67.50	4.80	60.41	152.09
D15B	Max WS	200-9-SA	72.48	67.50	5.32	60.40	111.38
D15B	Max WS	100-9-SA	72.11	67.50	3.33	60.32	89.09
D15B	Max WS	30-9-SA	71.41	67.50	1.05	60.02	46.95
D16	Max WS	elsa tr500 sa	74.41	69.80	37.12	129.68	275.55
D16	Max WS	200-9-SA	73.03	69.80	19.42	87.55	118.91
D16	Max WS	100-9-SA	72.12	69.80	2.61	61.41	53.65
D16	Max WS	30-9-SA	71.18	69.80	0.55	21.76	5.95



























































































































































































































































