



COMUNE SAN SPERATE

COMMITTENTE

*Amministrazione Comunale di
SAN SPERATE*

SINDACO

ASS.RE URBANISTICA

Fabrizio Madeddu Roberto Schirru

RESPONSABILE DEL PROCEDIMENTO

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PROPOSTA DI VARIANTE AL PAI (Art. 37 - Comma 3 lett.b NTA del P.A.I.) Aree a pericolosità e rischio idraulico

Allegati alla relazione idraulica

Elaborato

Elaborato

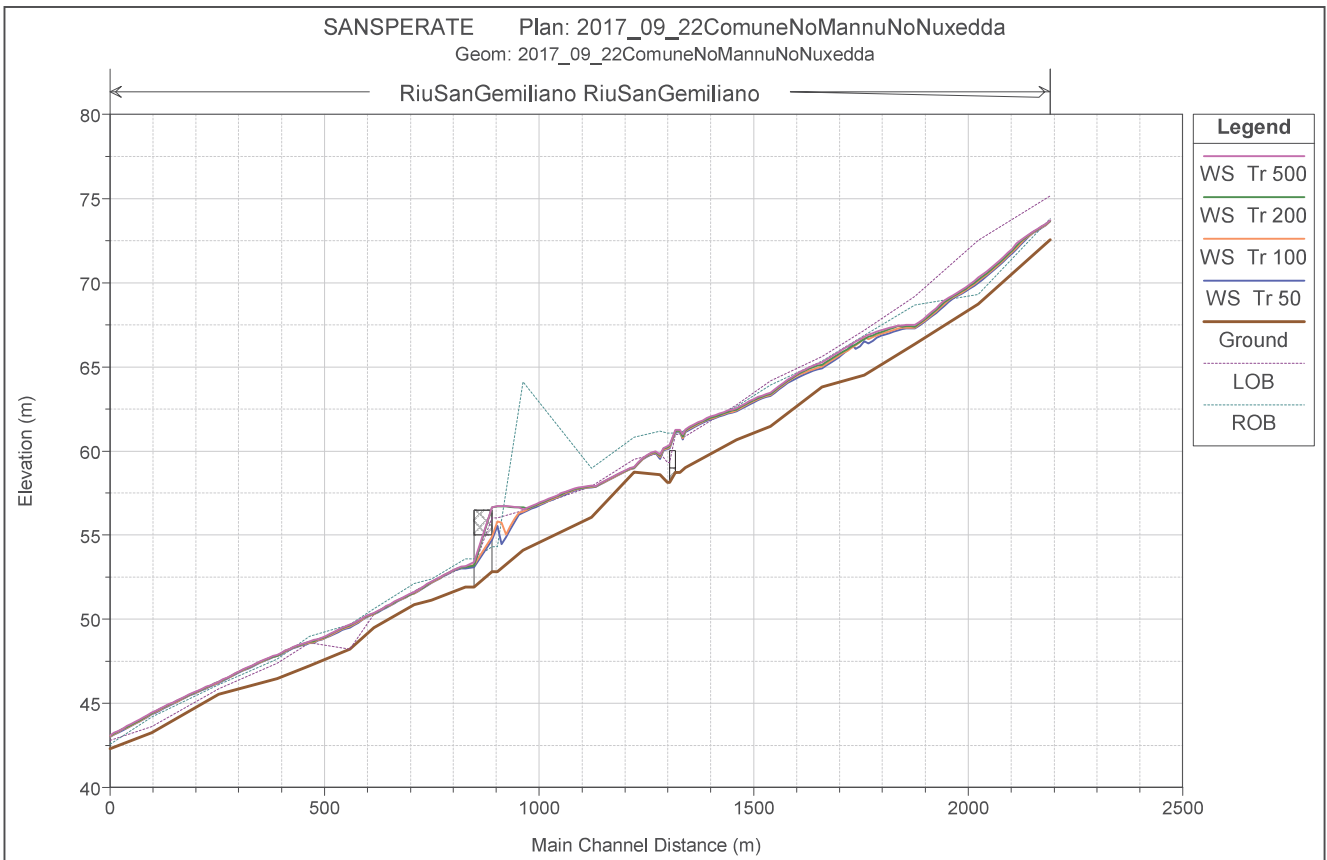
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Scala

Data

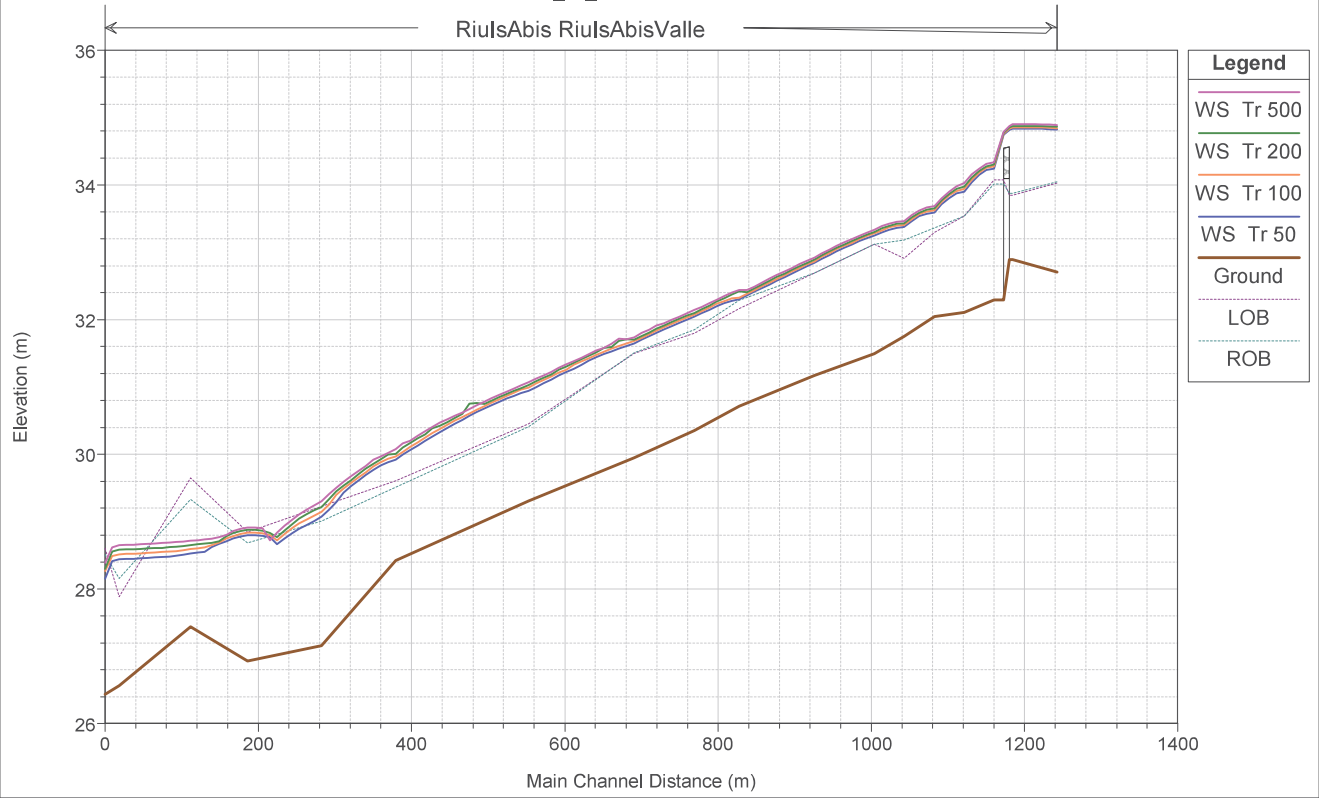
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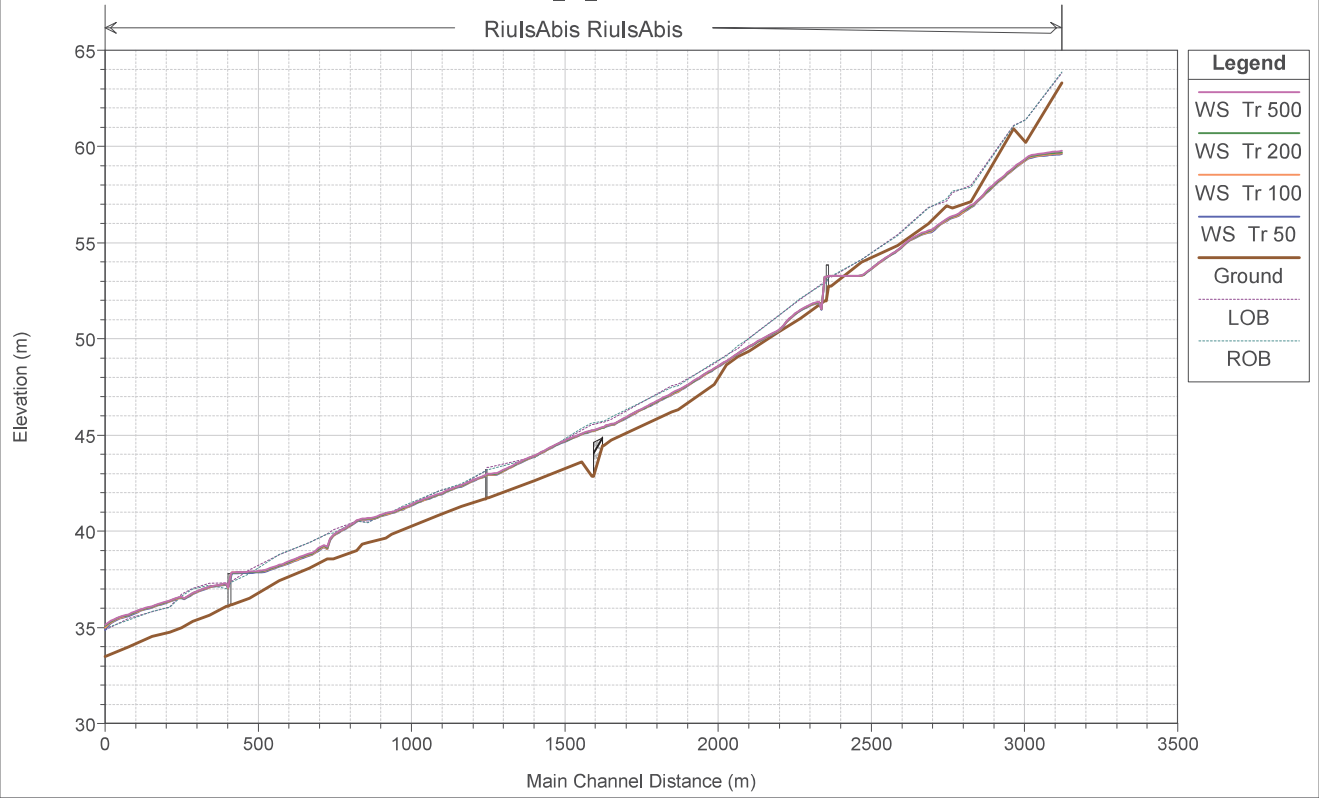


SANSPERATE Plan: 2017_09_22ComuneNoMannuNoNuxedda
Geom: 2017_09_22ComuneNoMannuNoNuxedda

RiulsAbis RiulsAbisValle

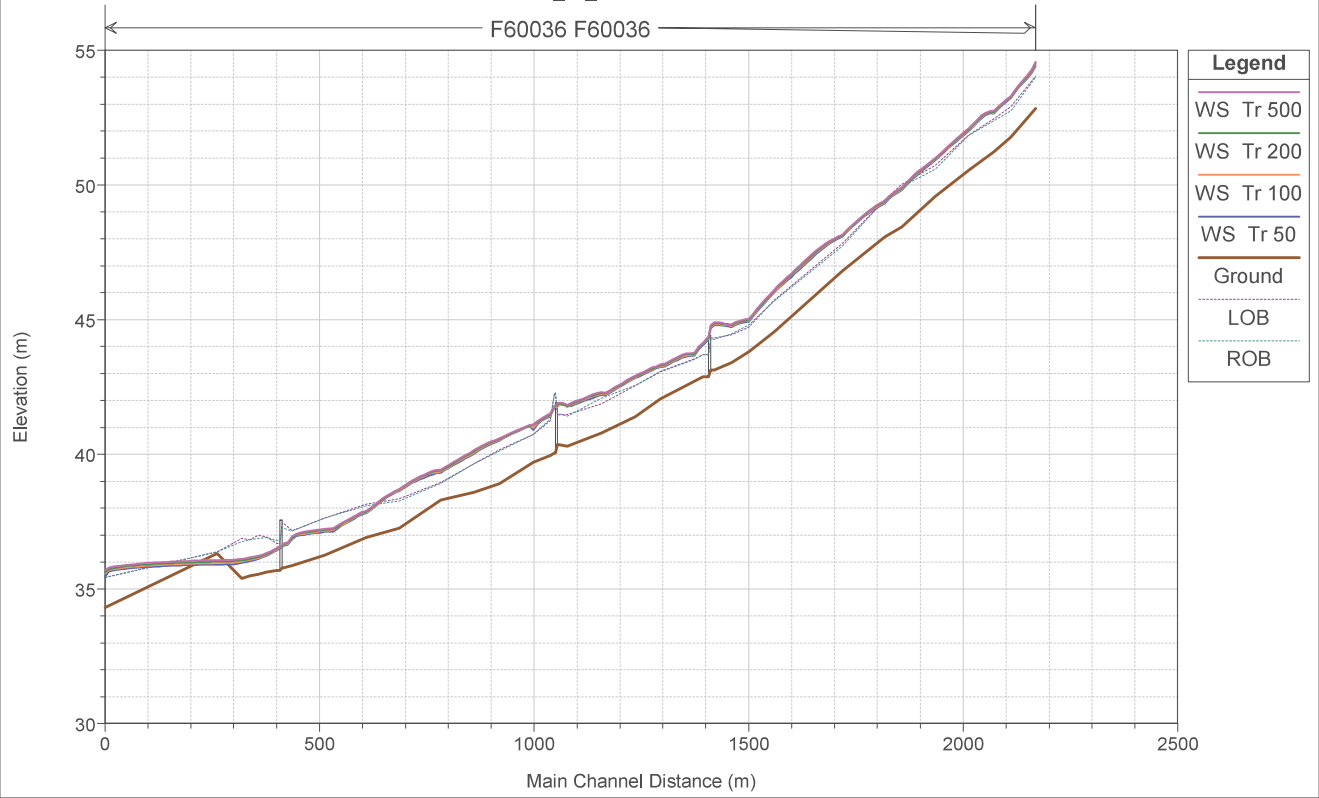


SANSPERATE Plan: 2017_09_22ComuneNoMannuNoNuxedda
Geom: 2017_09_22ComuneNoMannuNoNuxedda



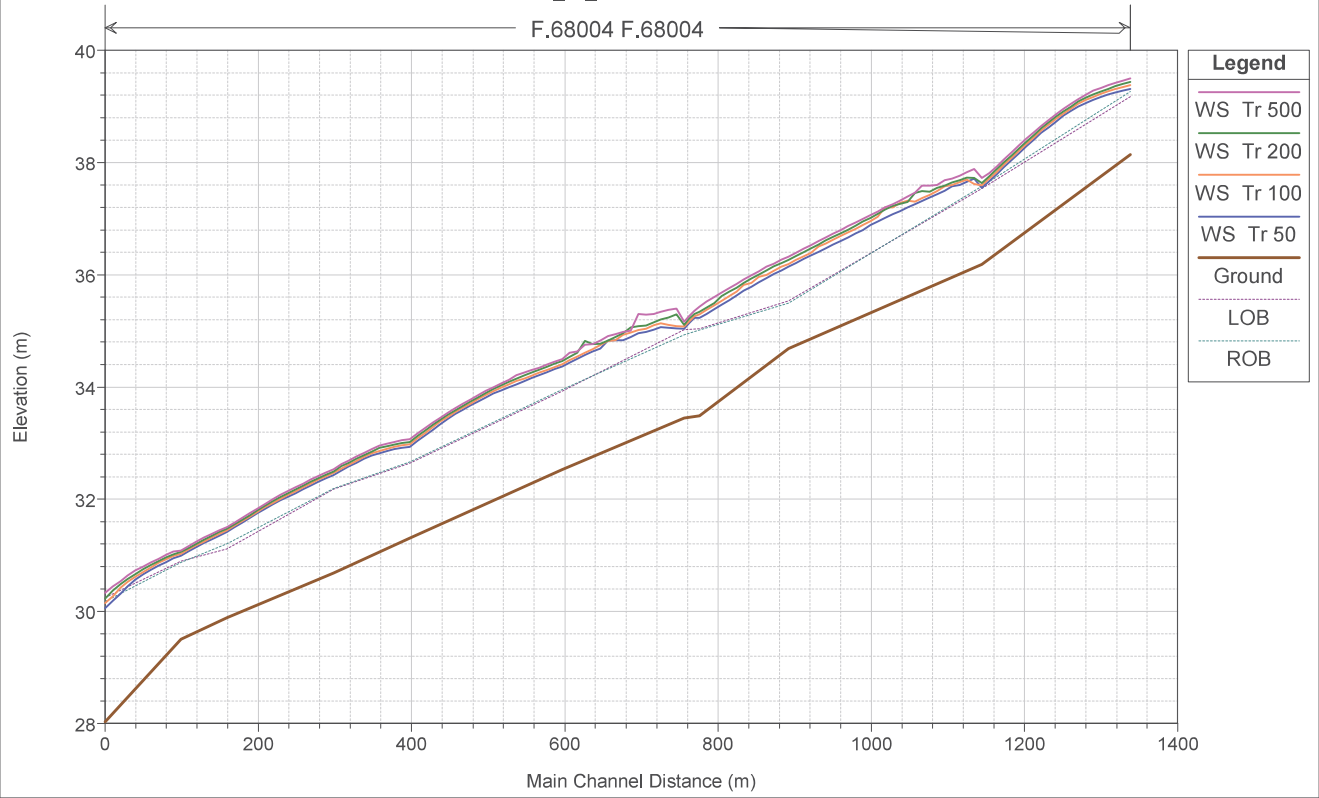
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Geom: 2017_09_22ComuneNoMannuNoNuxedda

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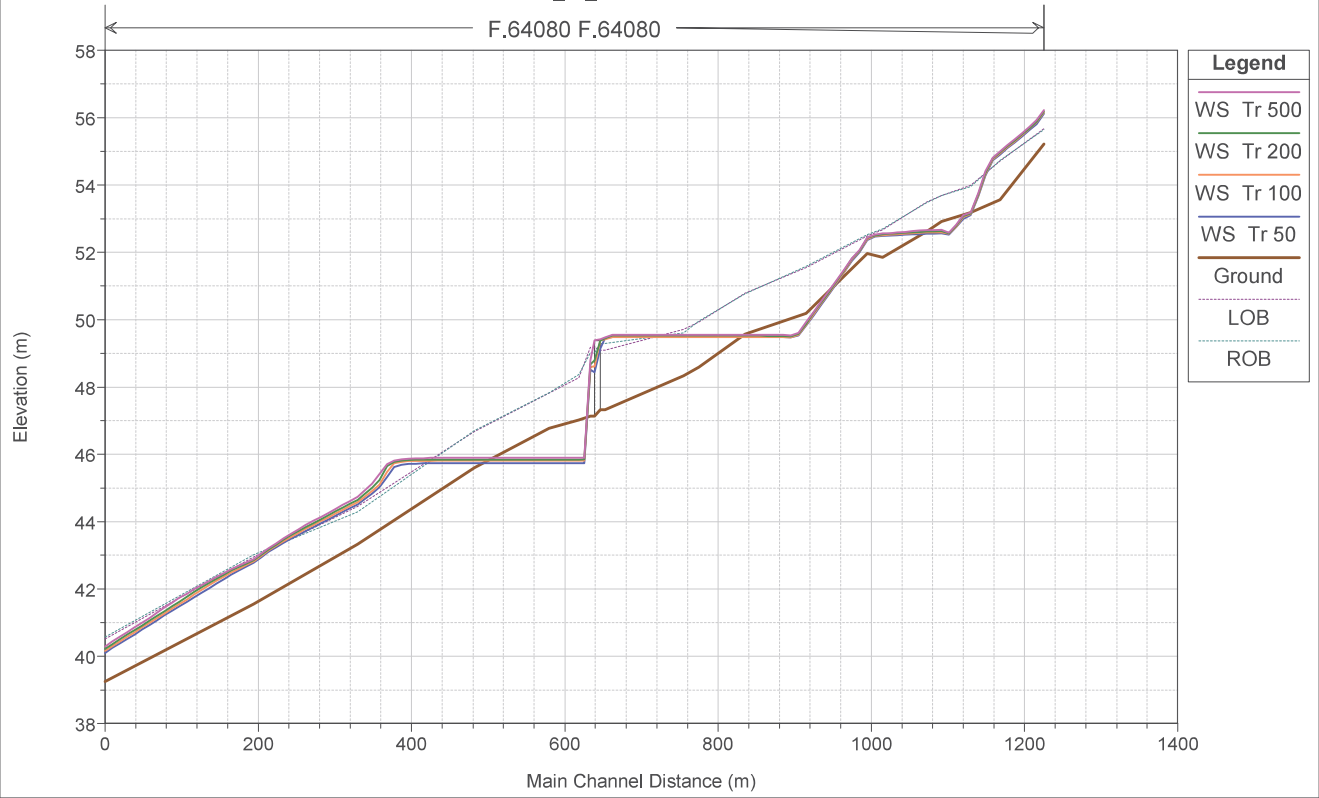
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Geom: 2017_09_22ComuneNoMannuNoNuxedda

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SANSPERATE Plan: 2017_09_22ComuneNoMannuNoNuxedda
Geom: 2017_09_22ComuneNoMannuNoNuxedda

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HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuSanGemiliano	RiuSanGemiliano	406.1	Tr 100	53.11	45.53	46.25	46.26	46.38	0.013557	2.13	37.50	170.62	1.34
RiuSanGemiliano	RiuSanGemiliano	406.1	Tr 200	61.04	45.53	46.28	46.28	46.41	0.010866	2.06	43.95	172.43	1.23
RiuSanGemiliano	RiuSanGemiliano	406.1	Tr 500	71.59	45.53	46.28	46.31	46.45	0.014781	2.41	44.11	172.47	1.43
RiuSanGemiliano	RiuSanGemiliano	250.3	Tr 50	45.22	43.26	44.35	44.43	44.65	0.011599	2.55	21.82	88.96	1.32
RiuSanGemiliano	RiuSanGemiliano	250.3	Tr 100	53.11	43.26	44.38	44.47	44.71	0.011567	2.70	24.85	91.49	1.34
RiuSanGemiliano	RiuSanGemiliano	250.3	Tr 200	61.04	43.26	44.42	44.53	44.76	0.011192	2.81	28.21	93.67	1.34
RiuSanGemiliano	RiuSanGemiliano	250.3	Tr 500	71.59	43.26	44.46	44.57	44.83	0.010748	2.93	32.35	97.33	1.33
RiuSanGemiliano	RiuSanGemiliano	152.9	Tr 50	45.22	42.31	43.01	43.11	43.29	0.013226	2.62	22.74	91.92	1.40
RiuSanGemiliano	RiuSanGemiliano	152.9	Tr 100	53.11	42.31	43.04	43.14	43.35	0.013342	2.77	25.78	95.94	1.43
RiuSanGemiliano	RiuSanGemiliano	152.9	Tr 200	61.04	42.31	43.07	43.16	43.41	0.013548	2.91	28.61	98.11	1.45
RiuSanGemiliano	RiuSanGemiliano	152.9	Tr 500	71.59	42.31	43.11	43.20	43.47	0.013623	3.05	32.32	101.46	1.47

HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuSanGemiliano	RiuSanGemiliano	1055.7	Tr 100	53.11	52.83	55.81	54.55	55.82	0.000100	0.62	153.20	259.24	0.15
RiuSanGemiliano	RiuSanGemiliano	1055.7	Tr 200	61.04	52.83	56.72	54.61	56.72	0.000011	0.24	495.19	458.23	0.05
RiuSanGemiliano	RiuSanGemiliano	1055.7	Tr 500	71.59	52.83	56.74	54.67	56.74	0.000014	0.28	505.41	460.96	0.06
RiuSanGemiliano	RiuSanGemiliano	1019		Bridge									
RiuSanGemiliano	RiuSanGemiliano	981.4	Tr 50	45.22	51.93	53.03	53.47	54.35	0.021121	5.09	8.89	12.89	1.96
RiuSanGemiliano	RiuSanGemiliano	981.4	Tr 100	53.11	51.93	53.12	53.52	54.48	0.034636	5.17	10.28	22.01	2.37
RiuSanGemiliano	RiuSanGemiliano	981.4	Tr 200	61.04	51.93	53.11	53.54	54.96	0.045124	6.02	10.14	20.46	2.72
RiuSanGemiliano	RiuSanGemiliano	981.4	Tr 500	71.59	51.93	53.17	53.58	55.15	0.053538	6.25	11.77	38.69	2.93
RiuSanGemiliano	RiuSanGemiliano	901.5	Tr 50	45.22	51.14	52.15	52.20	52.32	0.013680	2.92	30.84	142.81	1.44
RiuSanGemiliano	RiuSanGemiliano	901.5	Tr 100	53.11	51.14	52.19	52.23	52.33	0.013339	2.70	36.39	162.81	1.40
RiuSanGemiliano	RiuSanGemiliano	901.5	Tr 200	61.04	51.14	52.22	52.24	52.36	0.013893	2.67	41.33	175.38	1.42
RiuSanGemiliano	RiuSanGemiliano	901.5	Tr 500	71.59	51.14	52.24	52.26	52.39	0.015366	2.61	45.38	186.24	1.47
RiuSanGemiliano	RiuSanGemiliano	861.6	Tr 50	45.22	50.85	51.53	51.53	51.64	0.013016	2.47	33.75	143.49	1.36
RiuSanGemiliano	RiuSanGemiliano	861.6	Tr 100	53.11	50.85	51.54	51.58	51.68	0.016351	2.78	34.89	144.86	1.53
RiuSanGemiliano	RiuSanGemiliano	861.6	Tr 200	61.04	50.85	51.56	51.58	51.71	0.015877	2.77	38.75	148.88	1.51
RiuSanGemiliano	RiuSanGemiliano	861.6	Tr 500	71.59	50.85	51.63	51.61	51.74	0.012208	1.88	48.76	172.11	1.25
RiuSanGemiliano	RiuSanGemiliano	768.3	Tr 50	45.22	49.50	50.29	50.33	50.42	0.013858	2.89	34.23	163.15	1.44
RiuSanGemiliano	RiuSanGemiliano	768.3	Tr 100	53.11	49.50	50.32	50.34	50.45	0.014185	2.82	38.16	170.39	1.44
RiuSanGemiliano	RiuSanGemiliano	768.3	Tr 200	61.04	49.50	50.34	50.36	50.47	0.014590	2.61	42.21	176.76	1.44
RiuSanGemiliano	RiuSanGemiliano	768.3	Tr 500	71.59	49.50	50.40	50.38	50.50	0.011448	2.05	53.07	204.07	1.24
RiuSanGemiliano	RiuSanGemiliano	712.4	Tr 50	45.22	48.23	49.51	49.69	49.91	0.010174	3.27	19.71	87.37	1.30
RiuSanGemiliano	RiuSanGemiliano	712.4	Tr 100	53.11	48.23	49.57	49.74	49.95	0.009743	3.28	25.61	98.52	1.28
RiuSanGemiliano	RiuSanGemiliano	712.4	Tr 200	61.04	48.23	49.62	49.78	49.98	0.009538	3.31	30.76	117.33	1.27
RiuSanGemiliano	RiuSanGemiliano	712.4	Tr 500	71.59	48.23	49.68	49.81	50.03	0.009453	3.34	39.25	153.15	1.27
RiuSanGemiliano	RiuSanGemiliano	618.0	Tr 50	45.22	47.23	48.58	48.53	48.66	0.006014	1.67	35.41	127.62	0.90
RiuSanGemiliano	RiuSanGemiliano	618.0	Tr 100	53.11	47.23	48.62	48.56	48.71	0.006174	1.61	41.21	147.65	0.90
RiuSanGemiliano	RiuSanGemiliano	618.0	Tr 200	61.04	47.23	48.65	48.59	48.75	0.006248	1.66	46.74	160.53	0.92
RiuSanGemiliano	RiuSanGemiliano	618.0	Tr 500	71.59	47.23	48.69	48.63	48.79	0.006532	1.64	53.39	178.68	0.93
RiuSanGemiliano	RiuSanGemiliano	542.5	Tr 50	45.22	46.49	47.83	47.81	47.94	0.007803	1.79	35.97	168.37	1.04
RiuSanGemiliano	RiuSanGemiliano	542.5	Tr 100	53.11	46.49	47.81	47.84	47.98	0.012725	2.21	33.70	157.81	1.32
RiuSanGemiliano	RiuSanGemiliano	542.5	Tr 200	61.04	46.49	47.84	47.88	48.02	0.012454	2.32	37.90	176.37	1.32
RiuSanGemiliano	RiuSanGemiliano	542.5	Tr 500	71.59	46.49	47.87	47.92	48.06	0.012095	2.43	43.70	198.53	1.32
RiuSanGemiliano	RiuSanGemiliano	406.1	Tr 50	45.22	45.53	46.22	46.24	46.35	0.014395	2.08	33.21	169.35	1.37

HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuSanGemiliano	RiuSanGemiliano	1607.9	Tr 100	53.11	60.66	62.41	62.67	63.40	0.013834	4.68	16.63	56.93	1.61
RiuSanGemiliano	RiuSanGemiliano	1607.9	Tr 200	61.04	60.66	62.47	62.73	63.42	0.013389	4.71	20.48	65.72	1.60
RiuSanGemiliano	RiuSanGemiliano	1607.9	Tr 500	71.59	60.66	62.53	62.77	63.38	0.016242	4.65	24.73	73.90	1.72
RiuSanGemiliano	RiuSanGemiliano	1488.5	Tr 50	45.22	59.03	61.12	61.29	61.58	0.012814	3.27	19.21	71.34	1.42
RiuSanGemiliano	RiuSanGemiliano	1488.5	Tr 100	53.11	59.03	61.17	61.32	61.63	0.012085	3.33	23.30	83.80	1.40
RiuSanGemiliano	RiuSanGemiliano	1488.5	Tr 200	61.04	59.03	61.22	61.39	61.66	0.011079	3.32	28.08	93.99	1.35
RiuSanGemiliano	RiuSanGemiliano	1488.5	Tr 500	71.59	59.03	61.29	61.42	61.69	0.010096	3.28	34.69	113.74	1.30
RiuSanGemiliano	RiuSanGemiliano	1476.5	Tr 50	45.22	58.73	61.13	60.32	61.16	0.000403	0.91	67.14	148.82	0.29
RiuSanGemiliano	RiuSanGemiliano	1476.5	Tr 100	53.11	58.73	61.17	60.39	61.21	0.000475	1.02	73.85	179.46	0.32
RiuSanGemiliano	RiuSanGemiliano	1476.5	Tr 200	61.04	58.73	61.20	60.46	61.25	0.000563	1.13	79.64	187.73	0.35
RiuSanGemiliano	RiuSanGemiliano	1476.5	Tr 500	71.59	58.73	61.24	60.55	61.30	0.000669	1.26	86.77	193.12	0.38
RiuSanGemiliano	RiuSanGemiliano	1463.5		Culvert									
RiuSanGemiliano	RiuSanGemiliano	1451.3	Tr 50	45.22	58.12	60.11		60.32	0.004681	2.45	25.41	45.99	0.89
RiuSanGemiliano	RiuSanGemiliano	1451.3	Tr 100	53.11	58.12	60.15	60.11	60.40	0.005333	2.68	27.47	49.02	0.96
RiuSanGemiliano	RiuSanGemiliano	1451.3	Tr 200	61.04	58.12	60.21	60.19	60.48	0.005619	2.83	30.14	52.35	0.99
RiuSanGemiliano	RiuSanGemiliano	1451.3	Tr 500	71.59	58.12	60.29	60.29	60.57	0.005599	2.93	34.51	59.26	0.99
RiuSanGemiliano	RiuSanGemiliano	1434.2	Tr 50	45.22	58.59	59.52	59.74	60.13	0.021478	4.51	13.89	23.16	1.83
RiuSanGemiliano	RiuSanGemiliano	1434.2	Tr 100	53.11	58.59	59.63	59.90	60.22	0.017994	4.38	16.60	24.72	1.69
RiuSanGemiliano	RiuSanGemiliano	1434.2	Tr 200	61.04	58.59	59.71	59.96	60.29	0.018598	4.12	18.59	27.16	1.70
RiuSanGemiliano	RiuSanGemiliano	1434.2	Tr 500	71.59	58.59	59.80	60.02	60.37	0.019037	3.66	21.55	34.40	1.69
RiuSanGemiliano	RiuSanGemiliano	1374.4	Tr 50	45.22	58.74	58.96	59.02	59.16	0.026621	2.01	24.32	119.25	1.69
RiuSanGemiliano	RiuSanGemiliano	1374.4	Tr 100	53.11	58.74	58.99	59.06	59.20	0.026795	2.15	27.45	126.82	1.72
RiuSanGemiliano	RiuSanGemiliano	1374.4	Tr 200	61.04	58.74	59.01	59.07	59.24	0.027521	2.29	30.37	137.59	1.77
RiuSanGemiliano	RiuSanGemiliano	1374.4	Tr 500	71.59	58.74	59.03	59.10	59.28	0.029000	2.49	34.06	150.43	1.84
RiuSanGemiliano	RiuSanGemiliano	1274.8	Tr 50	45.22	56.05	57.84	57.80	57.88	0.002295	1.41	72.23	298.00	0.60
RiuSanGemiliano	RiuSanGemiliano	1274.8	Tr 100	53.11	56.05	57.87	57.81	57.91	0.002405	1.42	81.25	333.89	0.61
RiuSanGemiliano	RiuSanGemiliano	1274.8	Tr 200	61.04	56.05	57.90	57.82	57.94	0.002419	1.39	92.28	354.11	0.61
RiuSanGemiliano	RiuSanGemiliano	1274.8	Tr 500	71.59	56.05	57.94	57.84	57.97	0.002374	1.28	106.69	370.34	0.60
RiuSanGemiliano	RiuSanGemiliano	1115.4	Tr 50	45.22	54.10	56.35	56.48	56.78	0.008914	3.08	19.52	65.36	1.22
RiuSanGemiliano	RiuSanGemiliano	1115.4	Tr 100	53.11	54.10	56.42	56.54	56.83	0.008419	3.07	24.16	70.26	1.20
RiuSanGemiliano	RiuSanGemiliano	1115.4	Tr 200	61.04	54.10	56.66	56.59	56.81	0.003039	2.01	44.14	95.21	0.74
RiuSanGemiliano	RiuSanGemiliano	1115.4	Tr 500	71.59	54.10	56.53	56.64	56.92	0.009028	3.14	32.38	81.71	1.24
RiuSanGemiliano	RiuSanGemiliano	1055.7	Tr 50	45.22	52.83	55.54	54.46	55.56	0.000141	0.73	97.91	153.67	0.18

HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuIsAbis	RiuIsAbisValle	45.5	Tr 50	59.00	26.56	28.44		28.46	0.000366	0.98	127.36	179.36	0.27
RiuIsAbis	RiuIsAbisValle	45.5	Tr 100	70.00	26.56	28.52		28.53	0.000381	1.03	140.69	182.34	0.28
RiuIsAbis	RiuIsAbisValle	45.5	Tr 200	80.00	26.56	28.58		28.60	0.000386	1.07	152.81	184.45	0.28
RiuIsAbis	RiuIsAbisValle	45.5	Tr 500	94.00	26.56	28.65		28.67	0.000424	1.16	165.49	190.97	0.30
RiuIsAbis	RiuIsAbisValle	26.9	Tr 50	59.00	26.44	28.15	28.15	28.41	0.005256	3.16	36.42	74.46	0.99
RiuIsAbis	RiuIsAbisValle	26.9	Tr 100	70.00	26.44	28.27	28.27	28.49	0.004535	3.03	45.68	85.25	0.93
RiuIsAbis	RiuIsAbisValle	26.9	Tr 200	80.00	26.44	28.30	28.30	28.56	0.005112	3.24	48.73	88.59	0.99
RiuIsAbis	RiuIsAbisValle	26.9	Tr 500	94.00	26.44	28.39	28.39	28.63	0.004776	3.21	56.43	93.67	0.96
RiuSanGemiliano	RiuSanGemiliano	2338.7	Tr 50	45.22	72.55	73.65	73.65	73.72	0.004869	1.85	45.49	167.04	0.88
RiuSanGemiliano	RiuSanGemiliano	2338.7	Tr 100	53.11	72.55	73.65	73.65	73.75	0.006570	2.12	46.00	167.76	1.01
RiuSanGemiliano	RiuSanGemiliano	2338.7	Tr 200	61.04	72.55	73.67	73.67	73.78	0.007863	2.18	48.51	172.81	1.09
RiuSanGemiliano	RiuSanGemiliano	2338.7	Tr 500	71.59	72.55	73.70	73.70	73.81	0.008532	2.17	53.30	177.34	1.13
RiuSanGemiliano	RiuSanGemiliano	2171.2	Tr 50	45.22	68.74	70.00	70.39	71.19	0.016807	5.30	10.83	15.57	1.79
RiuSanGemiliano	RiuSanGemiliano	2171.2	Tr 100	53.11	68.74	70.10	70.49	71.35	0.016487	5.49	12.29	16.09	1.79
RiuSanGemiliano	RiuSanGemiliano	2171.2	Tr 200	61.04	68.74	70.19	70.65	71.50	0.016073	5.64	13.75	16.54	1.78
RiuSanGemiliano	RiuSanGemiliano	2171.2	Tr 500	71.59	68.74	70.30	70.73	71.66	0.015343	5.78	15.71	17.14	1.76
RiuSanGemiliano	RiuSanGemiliano	2023.5	Tr 50	45.22	66.37	67.27	67.58	68.29	0.019430	4.46	10.13	16.80	1.84
RiuSanGemiliano	RiuSanGemiliano	2023.5	Tr 100	53.11	66.37	67.33	67.68	68.47	0.019455	4.73	11.23	17.07	1.86
RiuSanGemiliano	RiuSanGemiliano	2023.5	Tr 200	61.04	66.37	67.40	67.78	68.65	0.019428	4.96	12.30	17.34	1.88
RiuSanGemiliano	RiuSanGemiliano	2023.5	Tr 500	71.59	66.37	67.48	67.90	68.86	0.018945	5.20	13.76	17.69	1.88
RiuSanGemiliano	RiuSanGemiliano	1905.3	Tr 50	45.22	64.50	66.52	66.55	67.07	0.005321	3.27	13.84	13.11	1.02
RiuSanGemiliano	RiuSanGemiliano	1905.3	Tr 100	53.11	64.50	66.79	66.95	67.22	0.005575	2.91	18.75	44.65	1.01
RiuSanGemiliano	RiuSanGemiliano	1905.3	Tr 200	61.04	64.50	66.64	67.00	67.43	0.008222	3.95	15.47	15.38	1.26
RiuSanGemiliano	RiuSanGemiliano	1905.3	Tr 500	71.59	64.50	66.78	67.10	67.58	0.010195	3.97	18.37	39.39	1.37
RiuSanGemiliano	RiuSanGemiliano	1806.9	Tr 50	45.22	63.80	64.92	65.40	65.91	0.014773	4.40	10.27	14.14	1.65
RiuSanGemiliano	RiuSanGemiliano	1806.9	Tr 100	53.11	63.80	65.01	65.49	66.07	0.015452	4.56	11.64	15.73	1.69
RiuSanGemiliano	RiuSanGemiliano	1806.9	Tr 200	61.04	63.80	65.13	65.56	66.15	0.015021	4.46	13.69	18.77	1.67
RiuSanGemiliano	RiuSanGemiliano	1806.9	Tr 500	71.59	63.80	65.27	65.62	66.22	0.015228	4.33	16.64	28.79	1.67
RiuSanGemiliano	RiuSanGemiliano	1687.5	Tr 50	45.22	61.48	63.26	63.61	64.38	0.015025	4.88	12.72	45.21	1.66
RiuSanGemiliano	RiuSanGemiliano	1687.5	Tr 100	53.11	61.48	63.33	63.67	64.46	0.015174	5.03	16.47	63.05	1.68
RiuSanGemiliano	RiuSanGemiliano	1687.5	Tr 200	61.04	61.48	63.39	63.72	64.46	0.014776	5.07	20.47	74.55	1.67
RiuSanGemiliano	RiuSanGemiliano	1687.5	Tr 500	71.59	61.48	63.45	63.76	64.49	0.014724	5.17	25.24	86.02	1.67
RiuSanGemiliano	RiuSanGemiliano	1607.9	Tr 50	45.22	60.66	62.34	62.64	63.33	0.013675	4.54	13.25	48.81	1.59

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbisValle	952.4	Tr 200	80.00	31.17	32.89	32.96	33.12	0.005553	3.44	79.34	404.66	1.03
RiulsAbis	RiulsAbisValle	952.4	Tr 500	94.00	31.17	32.92	32.98	33.14	0.005623	3.52	91.92	417.59	1.04
RiulsAbis	RiulsAbisValle	854.7	Tr 50	59.00	30.72	32.30	32.37	32.50	0.006211	3.11	59.03	357.73	1.06
RiulsAbis	RiulsAbisValle	854.7	Tr 100	70.00	30.72	32.33	32.38	32.52	0.006219	3.18	69.70	377.40	1.07
RiulsAbis	RiulsAbisValle	854.7	Tr 200	80.00	30.72	32.42	32.39	32.50	0.002819	2.29	108.07	440.23	0.73
RiulsAbis	RiulsAbisValle	854.7	Tr 500	94.00	30.72	32.45	32.41	32.53	0.003199	2.47	117.69	448.48	0.78
RiulsAbis	RiulsAbisValle	795.7	Tr 50	59.00	30.35	32.04	32.10	32.22	0.004542	2.78	60.17	325.04	0.92
RiulsAbis	RiulsAbisValle	795.7	Tr 100	70.00	30.35	32.08	32.12	32.24	0.004556	2.85	70.70	338.77	0.93
RiulsAbis	RiulsAbisValle	795.7	Tr 200	80.00	30.35	32.10	32.13	32.26	0.004530	2.90	79.85	355.02	0.93
RiulsAbis	RiulsAbisValle	795.7	Tr 500	94.00	30.35	32.14	32.18	32.29	0.004256	2.88	95.05	387.34	0.91
RiulsAbis	RiulsAbisValle	717.2	Tr 50	59.00	29.95	31.65	31.70	31.84	0.005063	2.99	58.88	295.11	0.97
RiulsAbis	RiulsAbisValle	717.2	Tr 100	70.00	29.95	31.68	31.73	31.87	0.005051	3.05	68.65	327.21	0.97
RiulsAbis	RiulsAbisValle	717.2	Tr 200	80.00	29.95	31.70	31.74	31.89	0.005277	3.16	76.12	358.89	1.00
RiulsAbis	RiulsAbisValle	717.2	Tr 500	94.00	29.95	31.73	31.79	31.92	0.005338	3.25	88.59	420.84	1.01
RiulsAbis	RiulsAbisValle	579.7	Tr 50	59.00	29.31	30.94	31.04	31.21	0.005032	3.47	46.00	183.63	1.00
RiulsAbis	RiulsAbisValle	579.7	Tr 100	70.00	29.31	30.99	31.07	31.25	0.004972	3.53	55.14	213.62	1.00
RiulsAbis	RiulsAbisValle	579.7	Tr 200	80.00	29.31	31.03	31.10	31.27	0.004857	3.56	65.00	284.98	0.99
RiulsAbis	RiulsAbisValle	579.7	Tr 500	94.00	29.31	31.07	31.13	31.30	0.004876	3.64	77.89	353.46	1.00
RiulsAbis	RiulsAbisValle	405.9	Tr 50	59.00	28.42	29.92	30.01	30.25	0.007258	3.80	41.13	144.71	1.18
RiulsAbis	RiulsAbisValle	405.9	Tr 100	70.00	28.42	29.97	30.11	30.29	0.007205	3.89	48.09	163.64	1.18
RiulsAbis	RiulsAbisValle	405.9	Tr 200	80.00	28.42	30.01	30.15	30.32	0.007057	3.96	56.44	213.63	1.18
RiulsAbis	RiulsAbisValle	405.9	Tr 500	94.00	28.42	30.08	30.19	30.36	0.006473	3.93	72.45	269.23	1.14
RiulsAbis	RiulsAbisValle	309.4	Tr 50	59.00	27.16	29.07	29.24	29.59	0.007559	3.94	27.72	60.64	1.19
RiulsAbis	RiulsAbisValle	309.4	Tr 100	70.00	27.16	29.14	29.33	29.64	0.008014	4.00	32.12	64.60	1.23
RiulsAbis	RiulsAbisValle	309.4	Tr 200	80.00	27.16	29.22	29.36	29.69	0.008144	3.99	37.11	73.45	1.24
RiulsAbis	RiulsAbisValle	309.4	Tr 500	94.00	27.16	29.30	29.44	29.75	0.007411	3.99	45.07	116.43	1.20
RiulsAbis	RiulsAbisValle	212.9	Tr 50	59.00	26.93	28.80		28.83	0.000786	1.30	94.29	210.82	0.39
RiulsAbis	RiulsAbisValle	212.9	Tr 100	70.00	26.93	28.84		28.87	0.000973	1.46	102.56	234.16	0.43
RiulsAbis	RiulsAbisValle	212.9	Tr 200	80.00	26.93	28.88		28.92	0.001054	1.56	112.13	251.41	0.45
RiulsAbis	RiulsAbisValle	212.9	Tr 500	94.00	26.93	28.91		28.96	0.001231	1.71	121.65	267.05	0.49
RiulsAbis	RiulsAbisValle	138.5	Tr 50	59.00	27.44	28.53		28.56	0.002403	1.55	86.53	281.32	0.63
RiulsAbis	RiulsAbisValle	138.5	Tr 100	70.00	27.44	28.59		28.62	0.002016	1.47	104.07	290.01	0.58
RiulsAbis	RiulsAbisValle	138.5	Tr 200	80.00	27.44	28.65		28.68	0.001620	1.35	120.95	290.52	0.52
RiulsAbis	RiulsAbisValle	138.5	Tr 500	94.00	27.44	28.72		28.74	0.001368	1.30	140.11	291.66	0.49

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	1422.8	Tr 200	37.00	33.47	35.09	35.26	35.52	0.006957	3.37	18.15	103.55	1.14
RiulsAbis	RiulsAbis	1422.8	Tr 500	43.00	33.47	35.14	35.27	35.55	0.006512	3.40	25.27	148.90	1.11
RiulsAbis	RiulsAbisValle	1269.0	Tr 50	59.00	32.71	34.82	34.72	34.87	0.000848	1.64	115.83	427.37	0.43
RiulsAbis	RiulsAbisValle	1269.0	Tr 100	70.00	32.71	34.84	34.76	34.91	0.001031	1.82	124.86	441.40	0.48
RiulsAbis	RiulsAbisValle	1269.0	Tr 200	80.00	32.71	34.86	34.80	34.93	0.001173	1.96	132.65	446.41	0.51
RiulsAbis	RiulsAbisValle	1269.0	Tr 500	94.00	32.71	34.89	34.82	34.96	0.001315	2.10	145.07	454.81	0.54
RiulsAbis	RiulsAbisValle	1211.4	Tr 50	59.00	32.89	34.83	34.37	34.84	0.000118	0.63	254.85	451.92	0.17
RiulsAbis	RiulsAbisValle	1211.4	Tr 100	70.00	32.89	34.86	34.41	34.86	0.000147	0.71	264.97	451.92	0.19
RiulsAbis	RiulsAbisValle	1211.4	Tr 200	80.00	32.89	34.88	34.43	34.88	0.000174	0.78	273.52	451.92	0.20
RiulsAbis	RiulsAbisValle	1211.4	Tr 500	94.00	32.89	34.90	34.49	34.91	0.000211	0.87	284.86	451.92	0.22
RiulsAbis	RiulsAbisValle	1200		Bridge									
RiulsAbis	RiulsAbisValle	1187.1	Tr 50	59.00	32.30	34.24	34.39	34.70	0.006106	3.69	43.67	272.71	1.10
RiulsAbis	RiulsAbisValle	1187.1	Tr 100	70.00	32.30	34.28	34.40	34.71	0.006246	3.81	54.05	314.76	1.11
RiulsAbis	RiulsAbisValle	1187.1	Tr 200	80.00	32.30	34.30	34.44	34.73	0.006436	3.92	62.31	333.17	1.13
RiulsAbis	RiulsAbisValle	1187.1	Tr 500	94.00	32.30	34.34	34.45	34.75	0.006493	4.02	75.64	359.22	1.15
RiulsAbis	RiulsAbisValle	1147.9	Tr 50	59.00	32.11	33.90	34.07	34.44	0.007361	4.16	36.92	162.31	1.21
RiulsAbis	RiulsAbisValle	1147.9	Tr 100	70.00	32.11	33.94	34.11	34.46	0.007364	4.26	44.12	170.47	1.22
RiulsAbis	RiulsAbisValle	1147.9	Tr 200	80.00	32.11	33.98	34.14	34.47	0.007348	4.33	50.09	178.54	1.22
RiulsAbis	RiulsAbisValle	1147.9	Tr 500	94.00	32.11	34.03	34.17	34.49	0.007145	4.39	60.23	204.28	1.21
RiulsAbis	RiulsAbisValle	1108.8	Tr 50	59.00	32.05	33.59	33.74	34.11	0.010420	4.32	37.36	202.95	1.41
RiulsAbis	RiulsAbisValle	1108.8	Tr 100	70.00	32.05	33.63	33.78	34.13	0.010557	4.44	44.28	218.14	1.42
RiulsAbis	RiulsAbisValle	1108.8	Tr 200	80.00	32.05	33.66	33.81	34.14	0.010601	4.54	50.77	230.16	1.43
RiulsAbis	RiulsAbisValle	1108.8	Tr 500	94.00	32.05	33.69	33.85	34.16	0.010705	4.66	58.78	240.91	1.45
RiulsAbis	RiulsAbisValle	1069.7	Tr 50	59.00	31.75	33.38	33.48	33.76	0.007420	3.94	49.46	290.55	1.20
RiulsAbis	RiulsAbisValle	1069.7	Tr 100	70.00	31.75	33.41	33.53	33.78	0.007695	4.07	57.32	307.67	1.22
RiulsAbis	RiulsAbisValle	1069.7	Tr 200	80.00	31.75	33.43	33.54	33.79	0.007858	4.17	64.20	320.54	1.24
RiulsAbis	RiulsAbisValle	1069.7	Tr 500	94.00	31.75	33.46	33.55	33.80	0.007828	4.25	76.13	339.47	1.24
RiulsAbis	RiulsAbisValle	1030.6	Tr 50	59.00	31.49	33.25	33.32	33.50	0.005331	3.14	58.99	349.26	1.01
RiulsAbis	RiulsAbisValle	1030.6	Tr 100	70.00	31.49	33.28	33.35	33.51	0.005285	3.19	70.32	356.49	1.01
RiulsAbis	RiulsAbisValle	1030.6	Tr 200	80.00	31.49	33.31	33.36	33.52	0.005156	3.21	79.51	361.26	1.00
RiulsAbis	RiulsAbisValle	1030.6	Tr 500	94.00	31.49	33.34	33.40	33.54	0.005206	3.28	90.53	365.86	1.01
RiulsAbis	RiulsAbisValle	952.4	Tr 50	59.00	31.17	32.84	32.93	33.09	0.005430	3.30	60.49	367.79	1.01
RiulsAbis	RiulsAbisValle	952.4	Tr 100	70.00	31.17	32.87	32.93	33.10	0.005519	3.38	70.53	390.10	1.02

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	1836,1	Tr 200	37,00	36,19	37,85	37,61	37,86	0,000380	0,94	122,27	392,98	0,28
RiulsAbis	RiulsAbis	1836,1	Tr 500	43,00	36,19	37,86	37,66	37,88	0,000434	1,01	129,59	393,93	0,30
RiulsAbis	RiulsAbis	1827		Bridge									
RiulsAbis	RiulsAbis	1818,4	Tr 50	28,00	36,09	37,22		37,25	0,001562	1,22	57,41	274,32	0,51
RiulsAbis	RiulsAbis	1818,4	Tr 100	32,00	36,09	37,24		37,27	0,001641	1,26	62,58	285,33	0,53
RiulsAbis	RiulsAbis	1818,4	Tr 200	37,00	36,09	37,26		37,29	0,001758	1,32	68,28	296,33	0,55
RiulsAbis	RiulsAbis	1818,4	Tr 500	43,00	36,09	37,28		37,31	0,001823	1,37	75,61	307,34	0,56
RiulsAbis	RiulsAbis	1763,8	Tr 50	28,00	35,62	37,08	37,08	37,13	0,002197	1,63	55,55	389,52	0,61
RiulsAbis	RiulsAbis	1763,8	Tr 100	32,00	35,62	37,09	37,09	37,15	0,002633	1,78	57,67	395,52	0,67
RiulsAbis	RiulsAbis	1763,8	Tr 200	37,00	35,62	37,10	37,10	37,16	0,002995	1,91	61,87	403,09	0,72
RiulsAbis	RiulsAbis	1763,8	Tr 500	43,00	35,62	37,12	37,12	37,18	0,002894	1,89	71,31	423,26	0,71
RiulsAbis	RiulsAbis	1709,2	Tr 50	28,00	35,32	36,73	36,79	36,90	0,005133	2,60	30,36	218,91	0,94
RiulsAbis	RiulsAbis	1709,2	Tr 100	32,00	35,32	36,74	36,81	36,92	0,005393	2,66	34,40	248,07	0,96
RiulsAbis	RiulsAbis	1709,2	Tr 200	37,00	35,32	36,78	36,82	36,92	0,005103	2,58	44,12	332,59	0,93
RiulsAbis	RiulsAbis	1709,2	Tr 500	43,00	35,32	36,79	36,83	36,94	0,005474	2,66	50,00	370,80	0,97
RiulsAbis	RiulsAbis	1672,8	Tr 50	28,00	34,99	36,53	36,46	36,55	0,000782	1,07	88,32	468,65	0,37
RiulsAbis	RiulsAbis	1672,8	Tr 100	32,00	34,99	36,55	36,47	36,57	0,000822	1,11	96,50	484,21	0,38
RiulsAbis	RiulsAbis	1672,8	Tr 200	37,00	34,99	36,57	36,47	36,58	0,000858	1,14	105,81	501,37	0,39
RiulsAbis	RiulsAbis	1672,8	Tr 500	43,00	34,99	36,59	36,50	36,60	0,000915	1,18	115,65	512,53	0,40
RiulsAbis	RiulsAbis	1634,3	Tr 50	28,00	34,76	36,34	36,37	36,47	0,002596	2,20	41,60	260,22	0,70
RiulsAbis	RiulsAbis	1634,3	Tr 100	32,00	34,76	36,36	36,39	36,49	0,002651	2,25	47,00	270,09	0,71
RiulsAbis	RiulsAbis	1634,3	Tr 200	37,00	34,76	36,38	36,41	36,50	0,002747	2,32	52,68	278,30	0,72
RiulsAbis	RiulsAbis	1634,3	Tr 500	43,00	34,76	36,40	36,44	36,53	0,002986	2,45	57,84	284,17	0,75
RiulsAbis	RiulsAbis	1576,6	Tr 50	28,00	34,53	36,03	36,10	36,26	0,004252	2,66	28,27	189,38	0,89
RiulsAbis	RiulsAbis	1576,6	Tr 100	32,00	34,53	36,05	36,11	36,27	0,004228	2,70	33,10	211,82	0,89
RiulsAbis	RiulsAbis	1576,6	Tr 200	37,00	34,53	36,08	36,14	36,29	0,004284	2,77	39,06	225,22	0,90
RiulsAbis	RiulsAbis	1576,6	Tr 500	43,00	34,53	36,11	36,18	36,31	0,004373	2,85	44,76	232,12	0,91
RiulsAbis	RiulsAbis	1499,7	Tr 50	28,00	33,98	35,57	35,69	35,91	0,005966	2,95	16,95	112,55	1,04
RiulsAbis	RiulsAbis	1499,7	Tr 100	32,00	33,98	35,61	35,71	35,92	0,005612	2,95	22,54	156,37	1,01
RiulsAbis	RiulsAbis	1499,7	Tr 200	37,00	33,98	35,65	35,74	35,94	0,005497	3,00	28,12	168,43	1,01
RiulsAbis	RiulsAbis	1499,7	Tr 500	43,00	33,98	35,68	35,78	35,96	0,005420	3,05	34,26	181,91	1,01
RiulsAbis	RiulsAbis	1422,8	Tr 50	28,00	33,47	34,86	35,18	35,44	0,011681	3,70	9,32	15,52	1,41
RiulsAbis	RiulsAbis	1422,8	Tr 100	32,00	33,47	34,99	35,22	35,49	0,008603	3,48	12,02	35,81	1,24

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	2281.4	Tr 50	28.00	39.41	40.61		40.66	0.002211	1.71	43.57	194.20	0.62
RiulsAbis	RiulsAbis	2281.4	Tr 100	32.00	39.41	40.63		40.68	0.002326	1.79	47.73	211.33	0.63
RiulsAbis	RiulsAbis	2281.4	Tr 200	37.00	39.41	40.65		40.71	0.002498	1.89	52.72	233.31	0.66
RiulsAbis	RiulsAbis	2281.4	Tr 500	43.00	39.41	40.68		40.74	0.002608	1.97	59.00	250.00	0.68
RiulsAbis	RiulsAbis	2262.3	Tr 50	28.00	39.31	40.60		40.62	0.001036	1.15	59.42	229.93	0.42
RiulsAbis	RiulsAbis	2262.3	Tr 100	32.00	39.31	40.61		40.64	0.001151	1.23	63.57	239.27	0.45
RiulsAbis	RiulsAbis	2262.3	Tr 200	37.00	39.31	40.64		40.66	0.001269	1.31	68.66	255.54	0.47
RiulsAbis	RiulsAbis	2262.3	Tr 500	43.00	39.31	40.66		40.69	0.001381	1.40	74.99	281.42	0.50
RiulsAbis	RiulsAbis	2243.2	Tr 50	28.00	38.99	40.50	40.50	40.58	0.002859	1.89	41.87	248.84	0.70
RiulsAbis	RiulsAbis	2243.2	Tr 100	32.00	38.99	40.52	40.52	40.60	0.002900	1.92	47.43	262.30	0.70
RiulsAbis	RiulsAbis	2243.2	Tr 200	37.00	38.99	40.54	40.54	40.62	0.002998	1.98	53.10	282.08	0.72
RiulsAbis	RiulsAbis	2243.2	Tr 500	43.00	38.99	40.56	40.56	40.64	0.003210	2.09	59.02	302.12	0.75
RiulsAbis	RiulsAbis	2166.9	Tr 50	28.00	38.57	39.76	39.84	40.03	0.009359	3.33	25.01	174.76	1.24
RiulsAbis	RiulsAbis	2166.9	Tr 100	32.00	38.57	39.77	39.84	40.03	0.009369	3.34	28.27	181.03	1.24
RiulsAbis	RiulsAbis	2166.9	Tr 200	37.00	38.57	39.80	39.86	40.03	0.009467	3.35	32.15	188.00	1.25
RiulsAbis	RiulsAbis	2166.9	Tr 500	43.00	38.57	39.82	39.87	40.04	0.009749	3.39	36.14	195.43	1.27
RiulsAbis	RiulsAbis	2147.4	Tr 50	28.00	38.57	39.06	39.22	39.62	0.059578	5.00	9.32	36.41	2.83
RiulsAbis	RiulsAbis	2147.4	Tr 100	32.00	38.57	39.09	39.24	39.64	0.052852	4.91	10.57	37.06	2.69
RiulsAbis	RiulsAbis	2147.4	Tr 200	37.00	38.57	39.14	39.32	39.67	0.044467	4.73	12.31	37.95	2.50
RiulsAbis	RiulsAbis	2147.4	Tr 500	43.00	38.57	39.20	39.37	39.70	0.036300	4.53	14.54	40.85	2.28
RiulsAbis	RiulsAbis	2089.0	Tr 50	28.00	38.07	38.73	38.64	38.80	0.005785	1.92	25.45	74.37	0.90
RiulsAbis	RiulsAbis	2089.0	Tr 100	32.00	38.07	38.76	38.67	38.84	0.005694	1.95	27.85	76.11	0.90
RiulsAbis	RiulsAbis	2089.0	Tr 200	37.00	38.07	38.80		38.88	0.005528	1.98	30.99	82.15	0.89
RiulsAbis	RiulsAbis	2089.0	Tr 500	43.00	38.07	38.86		38.94	0.005239	2.01	35.96	103.70	0.88
RiulsAbis	RiulsAbis	1991.7	Tr 50	28.00	37.44	38.16		38.22	0.005298	1.85	30.86	138.39	0.87
RiulsAbis	RiulsAbis	1991.7	Tr 100	32.00	37.44	38.19		38.24	0.005244	1.88	34.72	163.04	0.87
RiulsAbis	RiulsAbis	1991.7	Tr 200	37.00	37.44	38.22		38.27	0.005274	1.93	39.77	186.39	0.88
RiulsAbis	RiulsAbis	1991.7	Tr 500	43.00	37.44	38.25		38.30	0.004876	1.90	46.94	222.99	0.85
RiulsAbis	RiulsAbis	1894.4	Tr 50	28.00	36.52	37.85		37.85	0.000456	0.76	93.77	339.63	0.28
RiulsAbis	RiulsAbis	1894.4	Tr 100	32.00	36.52	37.88		37.89	0.000413	0.74	107.31	361.27	0.27
RiulsAbis	RiulsAbis	1894.4	Tr 200	37.00	36.52	37.88		37.89	0.000570	0.87	106.08	359.95	0.32
RiulsAbis	RiulsAbis	1894.4	Tr 500	43.00	36.52	37.90		37.91	0.000671	0.95	114.30	370.69	0.35
RiulsAbis	RiulsAbis	1836.1	Tr 50	28.00	36.19	37.82	37.57	37.83	0.000279	0.79	111.48	391.08	0.24
RiulsAbis	RiulsAbis	1836.1	Tr 100	32.00	36.19	37.86	37.58	37.87	0.000247	0.76	128.37	393.77	0.23

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	2826.0	Tr 50	28.00	42.63	43.89	43.96	44.10	0.007746	2.94	27.15	209.72	1.13
RiulsAbis	RiulsAbis	2826.0	Tr 100	32.00	42.63	43.92	43.97	44.11	0.007568	2.97	32.49	235.71	1.13
RiulsAbis	RiulsAbis	2826.0	Tr 200	37.00	42.63	43.93	44.00	44.13	0.007768	3.06	36.81	254.58	1.15
RiulsAbis	RiulsAbis	2826.0	Tr 500	43.00	42.63	43.96	44.03	44.14	0.007746	3.12	43.02	275.62	1.15
RiulsAbis	RiulsAbis	2673.5	Tr 50	28.00	41.74	42.92	42.73	42.93	0.001095	1.08	58.96	200.31	0.42
RiulsAbis	RiulsAbis	2673.5	Tr 100	32.00	41.74	42.94	42.76	42.96	0.001193	1.14	63.40	205.81	0.44
RiulsAbis	RiulsAbis	2673.5	Tr 200	37.00	41.74	42.96	42.78	42.98	0.001299	1.20	68.14	212.97	0.46
RiulsAbis	RiulsAbis	2673.5	Tr 500	43.00	41.74	42.99	42.80	43.01	0.001349	1.24	74.76	220.80	0.47
RiulsAbis	RiulsAbis	2666.6	Bridge										
RiulsAbis	RiulsAbis	2659.7	Tr 50	28.00	41.68	42.82		42.90	0.004417	2.00	34.91	165.39	0.84
RiulsAbis	RiulsAbis	2659.7	Tr 100	32.00	41.68	42.85		42.92	0.004338	2.01	38.67	169.89	0.84
RiulsAbis	RiulsAbis	2659.7	Tr 200	37.00	41.68	42.87		42.94	0.004437	2.06	42.69	185.65	0.85
RiulsAbis	RiulsAbis	2659.7	Tr 500	43.00	41.68	42.89		42.97	0.004657	2.15	47.74	206.33	0.87
RiulsAbis	RiulsAbis	2585.1	Tr 50	28.00	41.31	42.31	42.34	42.45	0.007885	2.76	31.06	212.73	1.12
RiulsAbis	RiulsAbis	2585.1	Tr 100	32.00	41.31	42.33	42.37	42.46	0.008215	2.84	34.20	229.97	1.14
RiulsAbis	RiulsAbis	2585.1	Tr 200	37.00	41.31	42.38	42.38	42.45	0.004979	2.28	49.22	301.12	0.90
RiulsAbis	RiulsAbis	2585.1	Tr 500	43.00	41.31	42.41	42.40	42.48	0.005061	2.33	56.78	335.36	0.91
RiulsAbis	RiulsAbis	2510.5	Tr 50	28.00	40.82	41.88	41.87	41.94	0.004448	2.07	37.90	219.70	0.84
RiulsAbis	RiulsAbis	2510.5	Tr 100	32.00	40.82	41.89	41.90	41.96	0.005028	2.21	40.58	229.90	0.90
RiulsAbis	RiulsAbis	2510.5	Tr 200	37.00	40.82	41.91	41.91	41.99	0.005197	2.28	45.65	259.56	0.92
RiulsAbis	RiulsAbis	2510.5	Tr 500	43.00	40.82	41.94	41.93	42.01	0.004564	2.17	55.25	297.25	0.86
RiulsAbis	RiulsAbis	2395.9	Tr 50	28.00	40.09	41.13	41.17	41.26	0.007712	2.64	27.67	170.88	1.11
RiulsAbis	RiulsAbis	2395.9	Tr 100	32.00	40.09	41.15	41.19	41.28	0.007578	2.65	31.99	195.99	1.10
RiulsAbis	RiulsAbis	2395.9	Tr 200	37.00	40.09	41.21	41.20	41.29	0.005010	2.22	44.56	228.93	0.90
RiulsAbis	RiulsAbis	2395.9	Tr 500	43.00	40.09	41.24	41.22	41.31	0.004543	2.16	52.37	252.93	0.87
RiulsAbis	RiulsAbis	2357.7	Tr 50	28.00	39.83	40.95	40.93	41.01	0.004018	1.82	36.12	186.49	0.80
RiulsAbis	RiulsAbis	2357.7	Tr 100	32.00	39.83	40.97	40.95	41.03	0.003805	1.80	41.33	204.69	0.78
RiulsAbis	RiulsAbis	2357.7	Tr 200	37.00	39.83	40.99	40.97	41.06	0.004117	1.90	45.18	223.56	0.82
RiulsAbis	RiulsAbis	2357.7	Tr 500	43.00	39.83	41.02		41.09	0.004518	2.04	50.90	244.54	0.86
RiulsAbis	RiulsAbis	2338.7	Tr 50	28.00	39.66	40.86	40.85	40.92	0.003347	1.85	38.72	193.44	0.74
RiulsAbis	RiulsAbis	2338.7	Tr 100	32.00	39.66	40.88		40.95	0.003348	1.88	43.55	205.80	0.75
RiulsAbis	RiulsAbis	2338.7	Tr 200	37.00	39.66	40.91		40.97	0.003340	1.92	49.10	221.50	0.75
RiulsAbis	RiulsAbis	2338.7	Tr 500	43.00	39.66	40.94		41.00	0.003288	1.95	56.25	258.44	0.75

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	3450.6	Tr 50	28.00	48.64	48.80		48.84	0.009066	0.83	30.30	179.73	0.91
RiulsAbis	RiulsAbis	3450.6	Tr 100	32.00	48.64	48.82		48.86	0.009206	0.91	33.16	188.87	0.93
RiulsAbis	RiulsAbis	3450.6	Tr 200	37.00	48.64	48.84	48.79	48.89	0.009032	0.98	37.13	201.78	0.94
RiulsAbis	RiulsAbis	3450.6	Tr 500	43.00	48.64	48.86		48.91	0.008394	1.03	42.71	218.69	0.93
RiulsAbis	RiulsAbis	3410.9	Tr 50	28.00	47.64	48.43	48.43	48.50	0.007500	2.27	31.93	195.07	1.05
RiulsAbis	RiulsAbis	3410.9	Tr 100	32.00	47.64	48.44	48.44	48.52	0.008532	2.43	33.67	198.81	1.13
RiulsAbis	RiulsAbis	3410.9	Tr 200	37.00	47.64	48.46	48.46	48.54	0.008596	2.48	37.66	202.76	1.13
RiulsAbis	RiulsAbis	3410.9	Tr 500	43.00	47.64	48.48	48.48	48.56	0.008087	2.45	42.85	208.11	1.10
RiulsAbis	RiulsAbis	3292.0	Tr 50	28.00	46.32	47.24	47.27	47.38	0.009739	2.82	24.04	122.03	1.21
RiulsAbis	RiulsAbis	3292.0	Tr 100	32.00	46.32	47.26	47.29	47.39	0.009549	2.82	26.78	125.09	1.20
RiulsAbis	RiulsAbis	3292.0	Tr 200	37.00	46.32	47.31	47.31	47.41	0.007134	2.49	33.38	140.28	1.05
RiulsAbis	RiulsAbis	3292.0	Tr 500	43.00	46.32	47.35	47.33	47.44	0.006149	2.35	39.51	150.73	0.98
RiulsAbis	RiulsAbis	3272.2	Tr 50	28.00	46.19	47.10	47.11	47.21	0.007653	2.60	25.43	107.60	1.09
RiulsAbis	RiulsAbis	3272.2	Tr 100	32.00	46.19	47.12	47.13	47.24	0.007523	2.62	28.38	118.06	1.08
RiulsAbis	RiulsAbis	3272.2	Tr 200	37.00	46.19	47.16	47.16	47.27	0.006522	2.51	33.99	144.25	1.01
RiulsAbis	RiulsAbis	3272.2	Tr 500	43.00	46.19	47.18	47.19	47.30	0.007700	2.74	35.89	150.71	1.10
RiulsAbis	RiulsAbis	3074.0	Tr 50	28.00	44.73	45.52	45.45	45.54	0.003637	1.54	45.16	231.50	0.73
RiulsAbis	RiulsAbis	3074.0	Tr 100	32.00	44.73	45.53		45.56	0.003620	1.56	49.48	242.62	0.73
RiulsAbis	RiulsAbis	3074.0	Tr 200	37.00	44.73	45.56		45.59	0.003642	1.59	54.55	251.40	0.73
RiulsAbis	RiulsAbis	3074.0	Tr 500	43.00	44.73	45.58		45.61	0.003700	1.63	60.23	261.36	0.74
RiulsAbis	RiulsAbis	3050.1	Tr 50	28.00	44.45	45.39	45.39	45.45	0.005312	2.07	37.81	212.10	0.90
RiulsAbis	RiulsAbis	3050.1	Tr 100	32.00	44.45	45.39	45.39	45.46	0.006527	2.30	38.62	213.26	1.00
RiulsAbis	RiulsAbis	3050.1	Tr 200	37.00	44.45	45.40	45.40	45.48	0.007362	2.46	40.97	216.60	1.06
RiulsAbis	RiulsAbis	3050.1	Tr 500	43.00	44.45	45.42	45.42	45.50	0.007745	2.55	44.70	224.53	1.09
RiulsAbis	RiulsAbis	3021		Culvert									
RiulsAbis	RiulsAbis	3011.9	Tr 50	28.00	42.85	45.20	45.20	45.28	0.001616	1.70	44.82	212.25	0.50
RiulsAbis	RiulsAbis	3011.9	Tr 100	32.00	42.85	45.21	45.21	45.30	0.001816	1.81	48.09	213.46	0.53
RiulsAbis	RiulsAbis	3011.9	Tr 200	37.00	42.85	45.24	45.24	45.33	0.001913	1.87	53.50	215.83	0.55
RiulsAbis	RiulsAbis	3011.9	Tr 500	43.00	42.85	45.26	45.26	45.35	0.002221	2.02	57.10	217.43	0.59
RiulsAbis	RiulsAbis	2978.6	Tr 50	28.00	43.60	45.03	45.07	45.17	0.004118	2.42	38.28	288.38	0.83
RiulsAbis	RiulsAbis	2978.6	Tr 100	32.00	43.60	45.04	45.08	45.18	0.004422	2.51	42.34	299.66	0.87
RiulsAbis	RiulsAbis	2978.6	Tr 200	37.00	43.60	45.06	45.09	45.19	0.004638	2.57	47.78	312.55	0.89
RiulsAbis	RiulsAbis	2978.6	Tr 500	43.00	43.60	45.07	45.13	45.22	0.005243	2.73	51.84	321.83	0.94

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River	Reach	River Sta	Profile	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
RiulsAbis	RiulsAbis	4009,1	Tr 50	28,00	54,87	54,58	54,55	54,62	0,009531		36,70	287,21	0,00
RiulsAbis	RiulsAbis	4009,1	Tr 100	32,00	54,87	54,60	54,56	54,63	0,009501		40,31	295,91	0,00
RiulsAbis	RiulsAbis	4009,1	Tr 200	37,00	54,87	54,61	54,58	54,65	0,009501		44,59	305,66	0,00
RiulsAbis	RiulsAbis	4009,1	Tr 500	43,00	54,87	54,63	54,59	54,67	0,009600		49,27	315,38	0,00
RiulsAbis	RiulsAbis	3890,1	Tr 50	28,00	53,98	53,29		53,31	0,003709		43,02	228,77	0,00
RiulsAbis	RiulsAbis	3890,1	Tr 100	32,00	53,98	53,29		53,32	0,004603		43,89	233,24	0,00
RiulsAbis	RiulsAbis	3890,1	Tr 200	37,00	53,98	53,29		53,33	0,005745		45,19	239,53	0,00
RiulsAbis	RiulsAbis	3890,1	Tr 500	43,00	53,98	53,30		53,35	0,007171		47,16	248,54	0,00
RiulsAbis	RiulsAbis	3790,9	Tr 50	28,00	52,74	53,27	53,27	53,27	0,000003	0,03	638,37	671,13	0,02
RiulsAbis	RiulsAbis	3790,9	Tr 100	32,00	52,74	53,27	53,27	53,27	0,000003	0,03	638,35	671,12	0,02
RiulsAbis	RiulsAbis	3790,9	Tr 200	37,00	52,74	53,27	53,27	53,27	0,000004	0,04	638,35	671,12	0,02
RiulsAbis	RiulsAbis	3790,9	Tr 500	43,00	52,74	53,27	53,27	53,27	0,000006	0,04	638,36	671,12	0,03
RiulsAbis	RiulsAbis	3781		Bridge									
RiulsAbis	RiulsAbis	3771,1	Tr 50	28,00	51,99	53,22	53,22	53,22	0,000016	0,14	348,41	616,26	0,05
RiulsAbis	RiulsAbis	3771,1	Tr 100	32,00	51,99	53,22	53,22	53,22	0,000021	0,16	348,41	616,26	0,06
RiulsAbis	RiulsAbis	3771,1	Tr 200	37,00	51,99	53,22	53,22	53,22	0,000028	0,19	348,41	616,26	0,07
RiulsAbis	RiulsAbis	3771,1	Tr 500	43,00	51,99	53,22	53,22	53,22	0,000038	0,22	348,41	616,26	0,08
RiulsAbis	RiulsAbis	3691,8	Tr 50	28,00	51,06	51,46	51,41	51,50	0,008560	1,37	32,70	207,16	0,98
RiulsAbis	RiulsAbis	3691,8	Tr 100	32,00	51,06	51,48	51,42	51,52	0,009012	1,45	36,92	235,61	1,01
RiulsAbis	RiulsAbis	3691,8	Tr 200	37,00	51,06	51,50	51,45	51,54	0,009028	1,49	41,17	250,02	1,02
RiulsAbis	RiulsAbis	3691,8	Tr 500	43,00	51,06	51,52	51,47	51,56	0,009465	1,57	46,12	273,90	1,05
RiulsAbis	RiulsAbis	3617,5	Tr 50	28,00	50,33	50,36	50,30	50,40	0,007794	0,24	29,79	190,91	0,63
RiulsAbis	RiulsAbis	3617,5	Tr 100	32,00	50,33	50,38	50,33	50,42	0,007844	0,33	33,45	212,46	0,68
RiulsAbis	RiulsAbis	3617,5	Tr 200	37,00	50,33	50,40	50,36	50,45	0,007502	0,43	38,74	231,48	0,72
RiulsAbis	RiulsAbis	3617,5	Tr 500	43,00	50,33	50,43	50,38	50,47	0,007614	0,53	45,46	250,96	0,76
RiulsAbis	RiulsAbis	3524,8	Tr 50	28,00	49,37	49,58	49,54	49,61	0,009080	0,99	35,38	260,80	0,95
RiulsAbis	RiulsAbis	3524,8	Tr 100	32,00	49,37	49,59	49,55	49,63	0,009037	1,04	38,94	277,81	0,96
RiulsAbis	RiulsAbis	3524,8	Tr 200	37,00	49,37	49,61	49,57	49,65	0,009173	1,10	43,07	294,56	0,98
RiulsAbis	RiulsAbis	3524,8	Tr 500	43,00	49,37	49,62	49,58	49,67	0,009159	1,17	48,29	308,40	0,99
RiulsAbis	RiulsAbis	3487,7	Tr 50	28,00	49,09	49,21		49,25	0,009909	0,79	32,38	228,19	0,93
RiulsAbis	RiulsAbis	3487,7	Tr 100	32,00	49,09	49,23	49,19	49,27	0,009805	0,85	35,90	240,63	0,94
RiulsAbis	RiulsAbis	3487,7	Tr 200	37,00	49,09	49,25	49,21	49,29	0,009683	0,91	40,22	251,46	0,95
RiulsAbis	RiulsAbis	3487,7	Tr 500	43,00	49,09	49,26	49,23	49,31	0,009684	0,98	44,84	268,01	0,97

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River	Reach	River Sta	Profile	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
F60036	F60036	160,2	Tr 500	61,00	36,33	36,07		36,08	0,000335		139,18	216,89	0,00
F60036	F60036	158,3	Tr 50	38,00	34,30	35,44	35,44	35,66	0,008285	2,86	23,17	79,87	1,18
F60036	F60036	158,3	Tr 100	45,00	34,30	35,59	35,59	35,72	0,004382	2,40	38,89	159,76	0,89
F60036	F60036	158,3	Tr 200	52,00	34,30	35,62	35,62	35,76	0,004582	2,52	44,23	192,45	0,91
F60036	F60036	158,3	Tr 500	61,00	34,30	35,70	35,70	35,82	0,003786	2,46	62,63	228,05	0,85
RiulsAbis	RiulsAbis	4545,2	Tr 50	28,00	63,30	59,60	59,12	59,62	0,000910		46,98	81,96	0,00
RiulsAbis	RiulsAbis	4545,2	Tr 100	32,00	63,30	59,65	59,17	59,67	0,000986		50,95	87,57	0,00
RiulsAbis	RiulsAbis	4545,2	Tr 200	37,00	63,30	59,70	59,21	59,72	0,001061		55,94	95,09	0,00
RiulsAbis	RiulsAbis	4545,2	Tr 500	43,00	63,30	59,77	59,25	59,79	0,001176		62,49	108,88	0,00
RiulsAbis	RiulsAbis	4426,0	Tr 50	28,00	60,23	59,27		59,37	0,011218		20,26	65,56	0,00
RiulsAbis	RiulsAbis	4426,0	Tr 100	32,00	60,23	59,30		59,41	0,011184		22,57	69,59	0,00
RiulsAbis	RiulsAbis	4426,0	Tr 200	37,00	60,23	59,33		59,45	0,011209		24,81	71,02	0,00
RiulsAbis	RiulsAbis	4426,0	Tr 500	43,00	60,23	59,37		59,50	0,011207		27,40	72,63	0,00
RiulsAbis	RiulsAbis	4386,3	Tr 50	28,00	60,93	58,80		58,91	0,013125		19,25	64,50	0,00
RiulsAbis	RiulsAbis	4386,3	Tr 100	32,00	60,93	58,83	58,79	58,95	0,013332		21,11	67,22	0,00
RiulsAbis	RiulsAbis	4386,3	Tr 200	37,00	60,93	58,86	58,83	58,99	0,013504		23,37	70,40	0,00
RiulsAbis	RiulsAbis	4386,3	Tr 500	43,00	60,93	58,90		59,04	0,013661		25,99	73,90	0,00
RiulsAbis	RiulsAbis	4247,3	Tr 50	28,00	57,15	56,83		56,93	0,010724		20,45	72,48	0,00
RiulsAbis	RiulsAbis	4247,3	Tr 100	32,00	57,15	56,86	56,82	56,96	0,010689		22,44	74,12	0,00
RiulsAbis	RiulsAbis	4247,3	Tr 200	37,00	57,15	56,89	56,85	57,00	0,010679		24,81	76,01	0,00
RiulsAbis	RiulsAbis	4247,3	Tr 500	43,00	57,15	56,94	56,88	57,05	0,009326		29,22	87,78	0,00
RiulsAbis	RiulsAbis	4187,8	Tr 50	28,00	56,81	56,29		56,34	0,004827		29,33	87,78	0,00
RiulsAbis	RiulsAbis	4187,8	Tr 100	32,00	56,81	56,32		56,37	0,005167		32,14	95,04	0,00
RiulsAbis	RiulsAbis	4187,8	Tr 200	37,00	56,81	56,36		56,41	0,005270		35,66	100,55	0,00
RiulsAbis	RiulsAbis	4187,8	Tr 500	43,00	56,81	56,39		56,45	0,005312		39,20	102,26	0,00
RiulsAbis	RiulsAbis	4167,9	Tr 50	28,00	56,92	56,14		56,21	0,009080		23,40	88,30	0,00
RiulsAbis	RiulsAbis	4167,9	Tr 100	32,00	56,92	56,16		56,24	0,009098		25,59	92,14	0,00
RiulsAbis	RiulsAbis	4167,9	Tr 200	37,00	56,92	56,20		56,28	0,009454		29,44	96,56	0,00
RiulsAbis	RiulsAbis	4167,9	Tr 500	43,00	56,92	56,23		56,32	0,009376		32,47	97,83	0,00
RiulsAbis	RiulsAbis	4108,3	Tr 50	28,00	55,98	55,51		55,59	0,005107		23,74	80,69	0,00
RiulsAbis	RiulsAbis	4108,3	Tr 100	32,00	55,98	55,55		55,62	0,005420		26,56	86,60	0,00
RiulsAbis	RiulsAbis	4108,3	Tr 200	37,00	55,98	55,59		55,66	0,005422		30,06	90,10	0,00
RiulsAbis	RiulsAbis	4108,3	Tr 500	43,00	55,98	55,63		55,71	0,005615		33,70	91,39	0,00

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River	Reach	River Sta	Profile	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
F60036	F60036	411.1	Tr 500	61.00	36.25	37.24		37.27	0.001973	1.37	78.03	203.95	0.56
F60036	F60036	333.3	Tr 50	38.00	35.87	36.85	36.85	36.95	0.007377	2.48	35.45	157.84	1.08
F60036	F60036	333.3	Tr 100	45.00	35.87	36.87	36.87	36.98	0.008192	2.85	38.74	170.19	1.14
F60036	F60036	333.3	Tr 200	52.00	35.87	36.89	36.89	37.01	0.008623	2.76	43.14	190.55	1.17
F60036	F60036	333.3	Tr 500	61.00	35.87	36.94	36.94	37.04	0.007917	2.72	52.52	210.61	1.13
F60036	F60036	313.8	Tr 50	38.00	35.78	36.61	36.53	36.65	0.004784	1.86	44.58	173.33	0.84
F60036	F60036	313.8	Tr 100	45.00	35.78	36.64	36.56	36.69	0.004912	1.92	49.87	185.91	0.85
F60036	F60036	313.8	Tr 200	52.00	35.78	36.66	36.58	36.72	0.005041	1.98	54.50	195.28	0.87
F60036	F60036	313.8	Tr 500	61.00	35.78	36.70	36.60	36.75	0.005094	2.03	61.50	204.97	0.87
F60036	F60036	306.5		Bridge									
F60036	F60036	299.2	Tr 50	38.00	35.68	36.45	36.41	36.51	0.006657	2.06	38.66	167.16	0.99
F60036	F60036	299.2	Tr 100	45.00	35.68	36.48	36.44	36.54	0.006909	2.15	43.56	173.69	1.02
F60036	F60036	299.2	Tr 200	52.00	35.68	36.50	36.46	36.57	0.007163	2.23	48.05	180.09	1.04
F60036	F60036	299.2	Tr 500	61.00	35.68	36.53	36.48	36.61	0.007777	2.36	53.16	191.24	1.09
F60036	F60036	274.9	Tr 50	38.00	35.63	36.25	36.21	36.30	0.007703	2.07	38.50	165.53	1.04
F60036	F60036	274.9	Tr 100	45.00	35.63	36.27	36.23	36.34	0.007578	2.10	43.07	170.37	1.04
F60036	F60036	274.9	Tr 200	52.00	35.63	36.30	36.25	36.37	0.007576	2.16	48.17	176.33	1.05
F60036	F60036	274.9	Tr 500	61.00	35.63	36.34	36.27	36.41	0.007122	2.16	54.60	182.49	1.02
F60036	F60036	255.5	Tr 50	38.00	35.56	36.12		36.16	0.004602	1.48	44.12	157.51	0.79
F60036	F60036	255.5	Tr 100	45.00	35.56	36.16		36.20	0.004549	1.53	49.99	168.82	0.79
F60036	F60036	255.5	Tr 200	52.00	35.56	36.19		36.24	0.004477	1.57	56.09	172.66	0.79
F60036	F60036	255.5	Tr 500	61.00	35.56	36.24		36.29	0.004379	1.61	63.67	187.36	0.79
F60036	F60036	236.0	Tr 50	38.00	35.48	36.04		36.07	0.003227	1.26	49.21	176.25	0.66
F60036	F60036	236.0	Tr 100	45.00	35.48	36.08		36.12	0.003087	1.28	56.44	185.05	0.65
F60036	F60036	236.0	Tr 200	52.00	35.48	36.12		36.16	0.003248	1.37	64.07	195.45	0.68
F60036	F60036	236.0	Tr 500	61.00	35.48	36.17		36.21	0.003070	1.39	73.84	209.80	0.66
F60036	F60036	216.6	Tr 50	38.00	35.39	35.97		36.00	0.004047	1.47	47.50	181.14	0.75
F60036	F60036	216.6	Tr 100	45.00	35.39	36.02		36.05	0.003458	1.42	56.68	192.30	0.70
F60036	F60036	216.6	Tr 200	52.00	35.39	36.06		36.10	0.002897	1.36	66.21	206.82	0.65
F60036	F60036	216.6	Tr 500	61.00	35.39	36.12		36.15	0.002452	1.30	78.37	224.01	0.60
F60036	F60036	160.2	Tr 50	38.00	36.33	35.91		35.91	0.000272		105.49	180.27	0.00
F60036	F60036	160.2	Tr 100	45.00	36.33	35.96		35.97	0.000299		116.03	192.52	0.00
F60036	F60036	160.2	Tr 200	52.00	36.33	36.01		36.02	0.000316		126.53	210.12	0.00

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River	Reach	River Sta	Profile	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
F60036	F60036	945.5	Tr 100	45.00	40.06	41.76	41.77	41.86	0.003242	2.32	61.28	309.47	0.76
F60036	F60036	945.5	Tr 200	52.00	40.06	41.76	41.79	41.89	0.004154	2.63	62.33	310.28	0.86
F60036	F60036	945.5	Tr 500	61.00	40.06	41.80	41.82	41.91	0.003809	2.55	74.11	319.90	0.83
F60036	F60036	935.6	Tr 50	38.00	39.96	41.40	41.52	41.77	0.008018	3.43	24.55	107.34	1.21
F60036	F60036	935.6	Tr 100	45.00	39.96	41.44	41.58	41.79	0.007781	3.49	29.58	129.35	1.20
F60036	F60036	935.6	Tr 200	52.00	39.96	41.47	41.60	41.82	0.007786	3.58	34.34	155.95	1.21
F60036	F60036	935.6	Tr 500	61.00	39.96	41.52	41.65	41.84	0.007422	3.62	42.35	194.41	1.19
F60036	F60036	896.1	Tr 50	38.00	39.70	40.91	41.16	41.38	0.014002	4.06	15.10	49.99	1.54
F60036	F60036	896.1	Tr 100	45.00	39.70	40.99	41.17	41.42	0.012633	4.15	21.55	106.59	1.49
F60036	F60036	896.1	Tr 200	52.00	39.70	41.09	41.19	41.46	0.011108	4.21	38.37	254.91	1.42
F60036	F60036	896.1	Tr 500	61.00	39.70	41.11	41.21	41.48	0.011562	4.37	44.89	287.80	1.46
F60036	F60036	816.9	Tr 50	38.00	38.90	40.50	40.62	40.83	0.005920	3.34	33.02	236.43	1.06
F60036	F60036	816.9	Tr 100	45.00	38.90	40.53	40.64	40.85	0.006160	3.47	40.23	288.38	1.09
F60036	F60036	816.9	Tr 200	52.00	38.90	40.55	40.65	40.87	0.006333	3.57	47.94	334.05	1.11
F60036	F60036	816.9	Tr 500	61.00	38.90	40.58	40.67	40.88	0.006336	3.64	58.25	365.28	1.11
F60036	F60036	757.6	Tr 50	38.00	38.60	40.02	40.18	40.44	0.007792	3.86	25.10	122.15	1.22
F60036	F60036	757.6	Tr 100	45.00	38.60	40.06	40.22	40.47	0.007806	3.77	30.04	139.09	1.23
F60036	F60036	757.6	Tr 200	52.00	38.60	40.10	40.25	40.48	0.007534	3.81	36.25	164.33	1.21
F60036	F60036	757.6	Tr 500	61.00	38.60	40.15	40.27	40.50	0.007168	3.83	45.02	202.01	1.19
F60036	F60036	680.6	Tr 50	38.00	38.30	39.32	39.45	39.68	0.011101	3.92	24.41	103.83	1.43
F60036	F60036	680.6	Tr 100	45.00	38.30	39.36	39.48	39.71	0.011114	4.04	28.01	109.93	1.44
F60036	F60036	680.6	Tr 200	52.00	38.30	39.40	39.51	39.74	0.010698	4.09	32.63	125.71	1.42
F60036	F60036	680.6	Tr 500	61.00	38.30	39.44	39.53	39.78	0.010527	4.20	38.62	146.26	1.42
F60036	F60036	584.3	Tr 50	38.00	37.26	38.64	38.76	38.99	0.008140	3.65	32.14	218.63	1.22
F60036	F60036	584.3	Tr 100	45.00	37.26	38.66	38.77	39.02	0.008862	3.86	36.52	229.28	1.28
F60036	F60036	584.3	Tr 200	52.00	37.26	38.69	38.78	39.03	0.008969	3.95	42.22	255.98	1.29
F60036	F60036	584.3	Tr 500	61.00	37.26	38.72	38.83	39.06	0.009230	4.09	50.29	292.63	1.32
F60036	F60036	507.3	Tr 50	38.00	36.91	37.81	37.88	38.04	0.014705	3.51	26.63	153.44	1.53
F60036	F60036	507.3	Tr 100	45.00	36.91	37.84	37.90	38.05	0.014246	3.50	31.37	165.72	1.51
F60036	F60036	507.3	Tr 200	52.00	36.91	37.87	37.93	38.07	0.013922	3.51	35.96	172.80	1.49
F60036	F60036	507.3	Tr 500	61.00	36.91	37.90	37.94	38.09	0.013423	3.50	41.17	185.27	1.47
F60036	F60036	411.1	Tr 50	38.00	36.25	37.12		37.15	0.001808	1.22	57.69	154.91	0.53
F60036	F60036	411.1	Tr 100	45.00	36.25	37.16		37.19	0.001872	1.28	63.83	170.15	0.54
F60036	F60036	411.1	Tr 200	52.00	36.25	37.20		37.23	0.001905	1.32	70.27	182.25	0.55

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River	Reach	River Sta	Profile	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
F60036	F60036	1318,4	Tr 500	61,00	43,13	44,90	44,61	44,93	0,000624	1,28	128,90	333,56	0,36
F60036	F60036	1305		Bridge									
F60036	F60036	1291,8	Tr 50	38,00	42,87	44,06	44,21	44,59	0,011232	4,13	22,08	144,86	1,46
F60036	F60036	1291,8	Tr 100	45,00	42,87	44,10	44,24	44,63	0,011210	4,28	29,39	171,90	1,47
F60036	F60036	1291,8	Tr 200	52,00	42,87	44,12	44,27	44,66	0,011797	4,46	32,93	173,91	1,51
F60036	F60036	1291,8	Tr 500	61,00	42,87	44,14	44,28	44,69	0,012416	4,66	37,24	178,68	1,56
F60036	F60036	1272,0	Tr 50	38,00	42,71	43,86	43,84	44,26	0,025898	4,90	16,35	72,33	2,06
F60036	F60036	1272,0	Tr 100	45,00	42,71	43,89	43,86	44,30	0,025372	5,04	19,07	89,20	2,06
F60036	F60036	1272,0	Tr 200	52,00	42,71	43,73	43,90	44,33	0,024691	5,14	22,07	97,74	2,05
F60036	F60036	1272,0	Tr 500	61,00	42,71	43,76	43,94	44,36	0,023910	5,25	25,90	106,29	2,04
F60036	F60036	1192,8	Tr 50	38,00	42,05	43,23	43,23	43,36	0,005447	2,58	33,77	124,10	0,97
F60036	F60036	1192,8	Tr 100	45,00	42,05	43,26	43,26	43,40	0,005674	2,72	38,21	138,46	1,00
F60036	F60036	1192,8	Tr 200	52,00	42,05	43,30	43,29	43,44	0,005720	2,81	42,98	151,44	1,01
F60036	F60036	1192,8	Tr 500	61,00	42,05	43,35	43,33	43,48	0,005225	2,80	51,06	161,79	0,97
F60036	F60036	1133,5	Tr 50	38,00	41,40	42,82	42,90	43,04	0,005609	2,98	34,41	162,61	1,01
F60036	F60036	1133,5	Tr 100	45,00	41,40	42,87	42,93	43,07	0,005596	3,07	41,28	174,81	1,02
F60036	F60036	1133,5	Tr 200	52,00	41,40	42,89	42,95	43,10	0,005791	3,18	45,76	179,19	1,04
F60036	F60036	1133,5	Tr 500	61,00	41,40	42,92	42,98	43,13	0,006048	3,31	51,04	183,96	1,07
F60036	F60036	1054,3	Tr 50	38,00	40,79	42,21	42,20	42,31	0,003453	2,30	42,29	146,08	0,79
F60036	F60036	1054,3	Tr 100	45,00	40,79	42,25	42,23	42,35	0,003474	2,37	47,66	147,85	0,80
F60036	F60036	1054,3	Tr 200	52,00	40,79	42,28	42,26	42,39	0,003591	2,46	52,21	152,69	0,81
F60036	F60036	1054,3	Tr 500	61,00	40,79	42,31	42,28	42,43	0,003868	2,62	57,44	156,56	0,85
F60036	F60036	975,24	Tr 50	38,00	40,30	41,80	41,79	41,92	0,002651	2,23	42,00	155,97	0,72
F60036	F60036	975,24	Tr 100	45,00	40,30	41,75	41,81	42,00	0,005557	3,11	34,83	135,50	1,03
F60036	F60036	975,24	Tr 200	52,00	40,30	41,79	41,85	42,03	0,005432	3,16	40,27	149,65	1,02
F60036	F60036	975,24	Tr 500	61,00	40,30	41,84	41,90	42,06	0,005217	3,20	48,56	176,11	1,01
F60036	F60036	955,4	Tr 50	38,00	40,36	41,85	41,60	41,86	0,000505	0,90	102,24	369,02	0,31
F60036	F60036	955,4	Tr 100	45,00	40,36	41,87	41,63	41,89	0,000609	1,00	109,58	383,84	0,34
F60036	F60036	955,4	Tr 200	52,00	40,36	41,89	41,66	41,91	0,000668	1,07	119,98	408,03	0,36
F60036	F60036	955,4	Tr 500	61,00	40,36	41,92	41,70	41,94	0,000765	1,17	131,73	425,97	0,39
F60036	F60036	945,6		Bridge									
F60036	F60036	945,5	Tr 50	38,00	40,06	41,75	41,76	41,84	0,002608	2,08	58,25	307,12	0,68

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River	Reach	River Sta	Profile	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
F60036	F60036	1911.3	Tr 100	45.00	50.54	52.04	52.21	52.68	0.016836	4.34	20.31	96.05	1.70
F60036	F60036	1911.3	Tr 200	52.00	50.54	52.07	52.26	52.70	0.016301	4.42	23.74	104.85	1.68
F60036	F60036	1911.3	Tr 500	61.00	50.54	52.11	52.30	52.71	0.015642	4.49	28.19	117.67	1.67
F60036	F60036	1833.2	Tr 50	38.00	49.57	50.92	51.06	51.51	0.015053	4.65	21.79	129.91	1.62
F60036	F60036	1833.2	Tr 100	45.00	49.57	50.95	51.09	51.53	0.015202	4.78	26.03	147.39	1.64
F60036	F60036	1833.2	Tr 200	52.00	49.57	50.97	51.12	51.54	0.015375	4.91	30.09	155.08	1.65
F60036	F60036	1833.2	Tr 500	61.00	49.57	51.00	51.13	51.56	0.015721	5.06	34.34	159.60	1.68
F60036	F60036	1755.2	Tr 50	38.00	48.45	49.81	49.95	50.34	0.016689	4.22	19.67	113.32	1.66
F60036	F60036	1755.2	Tr 100	45.00	48.45	49.84	49.99	50.35	0.017116	4.30	23.85	133.87	1.68
F60036	F60036	1755.2	Tr 200	52.00	48.45	49.88	50.03	50.37	0.017516	4.38	29.17	162.49	1.71
F60036	F60036	1755.2	Tr 500	61.00	48.45	49.90	50.04	50.40	0.018591	4.54	33.52	177.55	1.76
F60036	F60036	1715.4	Tr 50	38.00	48.07	49.32	49.43	49.74	0.014375	4.17	23.00	119.12	1.53
F60036	F60036	1715.4	Tr 100	45.00	48.07	49.36	49.47	49.74	0.014597	4.20	27.18	128.54	1.54
F60036	F60036	1715.4	Tr 200	52.00	48.07	49.38	49.50	49.75	0.014822	4.21	30.88	140.41	1.56
F60036	F60036	1715.4	Tr 500	61.00	48.07	49.42	49.53	49.76	0.014984	4.22	35.46	153.78	1.57
F60036	F60036	1616.2	Tr 50	38.00	46.82	48.08	48.21	48.58	0.013331	4.23	25.84	200.22	1.55
F60036	F60036	1616.2	Tr 100	45.00	46.82	48.11	48.22	48.58	0.013624	4.37	30.93	219.99	1.57
F60036	F60036	1616.2	Tr 200	52.00	46.82	48.13	48.24	48.58	0.013597	4.45	36.05	232.37	1.58
F60036	F60036	1616.2	Tr 500	61.00	46.82	48.15	48.27	48.59	0.013738	4.56	41.64	241.20	1.59
F60036	F60036	1457.3	Tr 50	38.00	44.54	46.00	46.20	46.84	0.013377	4.64	17.22	99.34	1.58
F60036	F60036	1457.3	Tr 100	45.00	44.54	46.05	46.26	46.87	0.013479	4.80	21.74	120.93	1.60
F60036	F60036	1457.3	Tr 200	52.00	44.54	46.08	46.29	46.89	0.013806	4.96	25.61	135.86	1.62
F60036	F60036	1457.3	Tr 500	61.00	44.54	46.11	46.32	46.91	0.013914	5.11	30.64	142.86	1.64
F60036	F60036	1397.8	Tr 50	38.00	43.81	44.93	45.13	45.70	0.024611	5.28	15.90	66.77	2.03
F60036	F60036	1397.8	Tr 100	45.00	43.81	44.96	45.16	45.72	0.024273	5.43	18.38	73.51	2.03
F60036	F60036	1397.8	Tr 200	52.00	43.81	45.00	45.19	45.75	0.023783	5.54	21.09	86.59	2.03
F60036	F60036	1397.8	Tr 500	61.00	43.81	45.03	45.21	45.78	0.023351	5.66	24.51	94.40	2.03
F60036	F60036	1358.1	Tr 50	38.00	43.40	44.72	44.82	45.04	0.008965	3.62	26.20	105.16	1.26
F60036	F60036	1358.1	Tr 100	45.00	43.40	44.77	44.85	45.07	0.008628	3.67	30.95	112.80	1.25
F60036	F60036	1358.1	Tr 200	52.00	43.40	44.80	44.90	45.10	0.008582	3.76	34.81	114.60	1.26
F60036	F60036	1358.1	Tr 500	61.00	43.40	44.84	44.93	45.14	0.008686	3.88	38.98	115.91	1.27
F60036	F60036	1318.4	Tr 50	38.00	43.13	44.79	44.52	44.81	0.000452	1.02	96.08	252.64	0.30
F60036	F60036	1318.4	Tr 100	45.00	43.13	44.84	44.55	44.85	0.000512	1.12	107.29	288.60	0.32
F60036	F60036	1318.4	Tr 200	52.00	43.13	44.87	44.59	44.89	0.000570	1.20	117.18	315.25	0.34

HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
F.68004	F.68004	455.5	Tr 50	45.22	31.31	32.93	33.13	33.54	0.009950	4.23	23.37	100.03	1.37
F.68004	F.68004	455.5	Tr 100	53.11	31.31	32.98	33.17	33.58	0.009983	4.36	28.04	113.30	1.38
F.68004	F.68004	455.5	Tr 200	61.04	31.31	33.02	33.20	33.59	0.009702	4.42	33.14	123.96	1.37
F.68004	F.68004	455.5	Tr 500	71.59	31.31	33.07	33.25	33.63	0.009669	4.54	39.37	141.37	1.38
F.68004	F.68004	356.1	Tr 50	45.22	30.69	32.43	32.56	32.82	0.006838	3.55	32.62	169.14	1.13
F.68004	F.68004	356.1	Tr 100	53.11	30.69	32.47	32.61	32.85	0.007017	3.68	38.97	190.05	1.15
F.68004	F.68004	356.1	Tr 200	61.04	30.69	32.50	32.61	32.87	0.007162	3.78	44.40	211.94	1.17
F.68004	F.68004	356.1	Tr 500	71.59	30.69	32.54	32.65	32.90	0.007190	3.89	54.02	244.39	1.18
F.68004	F.68004	216.9	Tr 50	45.22	29.89	31.42	31.51	31.79	0.009075	3.84	34.23	179.34	1.28
F.68004	F.68004	216.9	Tr 100	53.11	29.89	31.45	31.54	31.80	0.009079	3.92	39.70	184.34	1.28
F.68004	F.68004	216.9	Tr 200	61.04	29.89	31.47	31.58	31.81	0.008972	3.97	44.64	186.34	1.28
F.68004	F.68004	216.9	Tr 500	71.59	29.89	31.50	31.60	31.83	0.009092	4.08	50.25	188.56	1.30
F.68004	F.68004	157.3	Tr 50	45.22	29.50	31.00	31.08	31.27	0.008329	3.43	35.79	184.81	1.21
F.68004	F.68004	157.3	Tr 100	53.11	29.50	31.03	31.09	31.29	0.008213	3.49	41.68	197.48	1.21
F.68004	F.68004	157.3	Tr 200	61.04	29.50	31.06	31.13	31.30	0.008050	3.54	47.68	208.70	1.20
F.68004	F.68004	157.3	Tr 500	71.59	29.50	31.09	31.17	31.33	0.008099	3.63	54.26	224.52	1.21
F.68004	F.68004	57.9	Tr 50	45.22	28.03	30.06	30.28	30.66	0.006221	3.69	18.73	53.08	1.09
F.68004	F.68004	57.9	Tr 100	53.11	28.03	30.15	30.40	30.71	0.006156	3.71	23.62	61.26	1.09
F.68004	F.68004	57.9	Tr 200	61.04	28.03	30.23	30.45	30.75	0.005875	3.68	29.34	86.76	1.07
F.68004	F.68004	57.9	Tr 500	71.59	28.03	30.33	30.51	30.80	0.005175	3.65	40.62	121.32	1.02
F60036	F60036	2067.4	Tr 50	38.00	52.85	54.43	54.43	54.60	0.003989	2.64	29.91	97.85	0.86
F60036	F60036	2067.4	Tr 100	45.00	52.85	54.50	54.50	54.66	0.003558	2.61	37.53	112.00	0.82
F60036	F60036	2067.4	Tr 200	52.00	52.85	54.54	54.54	54.70	0.003742	2.75	41.95	120.06	0.85
F60036	F60036	2067.4	Tr 500	61.00	52.85	54.58	54.58	54.76	0.003965	2.90	47.38	128.21	0.88
F60036	F60036	2008.8	Tr 50	38.00	51.78	53.23	53.38	54.00	0.012265	4.79	22.61	159.09	1.51
F60036	F60036	2008.8	Tr 100	45.00	51.78	53.25	53.42	54.03	0.013141	5.04	26.53	166.34	1.57
F60036	F60036	2008.8	Tr 200	52.00	51.78	53.27	53.43	54.05	0.013821	5.23	30.06	171.08	1.62
F60036	F60036	2008.8	Tr 500	61.00	51.78	53.30	53.47	54.08	0.014724	5.48	34.04	175.70	1.67
F60036	F60036	1969.8	Tr 50	38.00	51.24	52.64	52.86	53.45	0.018191	4.88	16.40	80.08	1.79
F60036	F60036	1969.8	Tr 100	45.00	51.24	52.68	52.88	53.47	0.017924	5.01	19.89	91.63	1.79
F60036	F60036	1969.8	Tr 200	52.00	51.24	52.72	52.91	53.47	0.017414	5.09	23.43	109.35	1.78
F60036	F60036	1969.8	Tr 500	61.00	51.24	52.77	52.95	53.48	0.016364	5.13	30.43	155.81	1.74
F60036	F60036	1911.3	Tr 50	38.00	50.54	52.00	52.17	52.66	0.017182	4.23	17.07	85.83	1.70

HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

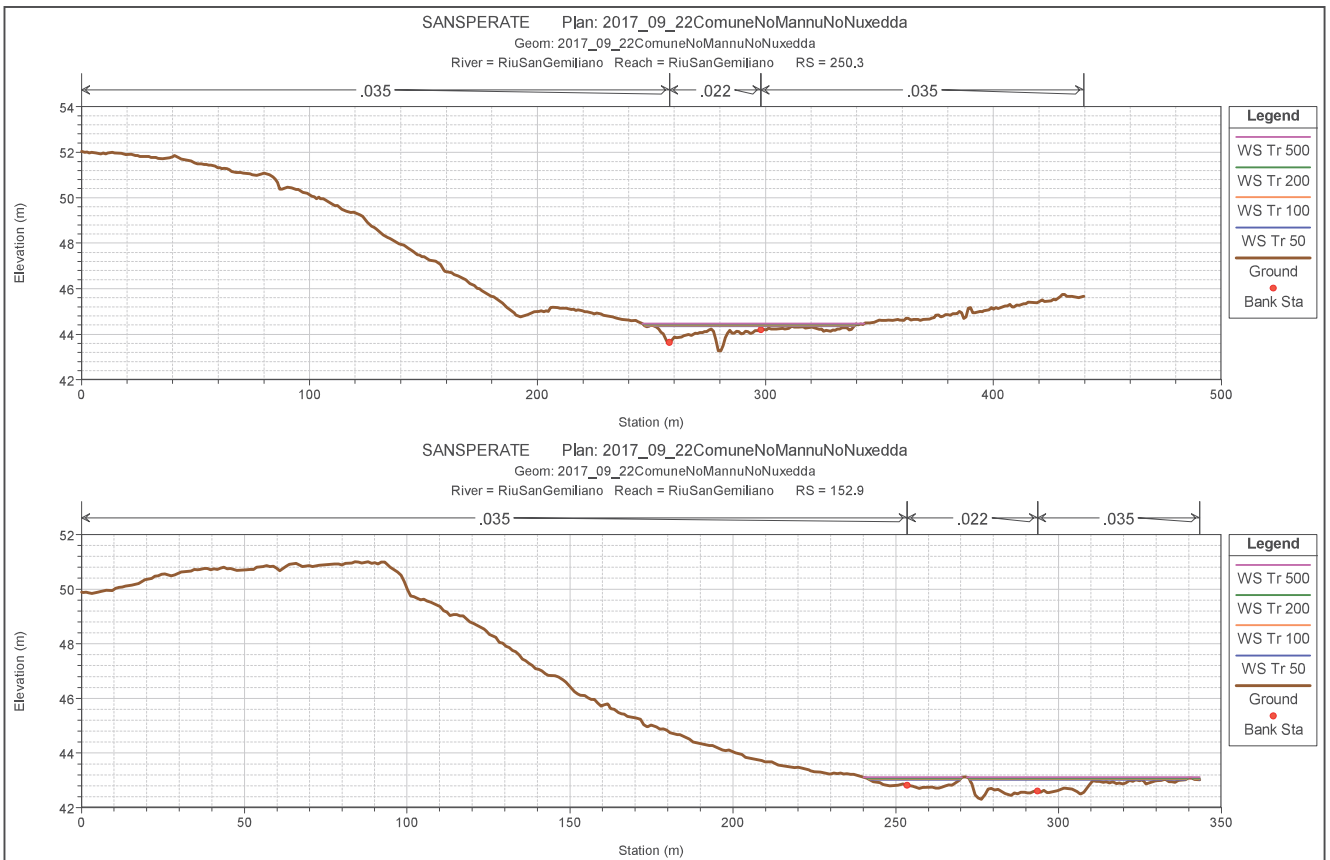
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
F.64080	F.64080	372.0	Tr 200	24.00	43.32	44.65	44.89	45.45	0.011708	4.06	6.85	13.67	1.46
F.64080	F.64080	372.0	Tr 500	28.00	43.32	44.74	45.12	45.55	0.010307	4.12	8.32	16.57	1.39
F.64080	F.64080	236.2	Tr 50	18.00	41.55	42.78	43.01	43.55	0.014029	4.03	6.01	30.12	1.53
F.64080	F.64080	236.2	Tr 100	21.00	41.55	42.82	43.05	43.64	0.014860	4.23	7.37	38.53	1.58
F.64080	F.64080	236.2	Tr 200	24.00	41.55	42.85	43.07	43.70	0.015841	4.41	9.06	51.94	1.64
F.64080	F.64080	236.2	Tr 500	28.00	41.55	42.88	43.11	43.77	0.017373	4.63	10.67	56.22	1.72
F.64080	F.64080	42.3	Tr 50	18.00	39.25	40.10	40.28	40.67	0.015766	3.62	5.82	11.58	1.60
F.64080	F.64080	42.3	Tr 100	21.00	39.25	40.16	40.35	40.78	0.015808	3.78	6.51	12.17	1.62
F.64080	F.64080	42.3	Tr 200	24.00	39.25	40.22	40.37	40.88	0.015700	3.91	7.21	12.73	1.63
F.64080	F.64080	42.3	Tr 500	28.00	39.25	40.29	40.65	40.99	0.015399	4.02	8.17	13.57	1.63
F.68004	F.68004	1396.0	Tr 50	45.22	38.15	39.31	39.86	42.96	0.066489	8.66	6.44	23.73	3.39
F.68004	F.68004	1396.0	Tr 100	53.11	38.15	39.38	39.94	43.02	0.061470	8.85	8.11	27.74	3.31
F.68004	F.68004	1396.0	Tr 200	61.04	38.15	39.43	40.01	43.08	0.057995	9.04	9.77	31.99	3.25
F.68004	F.68004	1396.0	Tr 500	71.59	38.15	39.50	40.14	43.14	0.054893	9.27	12.12	39.81	3.21
F.68004	F.68004	1202.0	Tr 50	45.22	36.18	37.55	37.78	38.16	0.017001	4.61	17.78	59.34	1.69
F.68004	F.68004	1202.0	Tr 100	53.11	36.18	37.60	37.82	38.22	0.017175	4.75	20.61	63.93	1.71
F.68004	F.68004	1202.0	Tr 200	61.04	36.18	37.64	37.87	38.27	0.016884	4.88	23.38	65.19	1.71
F.68004	F.68004	1202.0	Tr 500	71.59	36.18	37.73	37.93	38.34	0.015203	4.96	29.51	76.34	1.65
F.68004	F.68004	949.8	Tr 50	45.22	34.68	36.14	36.35	36.62	0.005994	3.64	23.85	66.84	1.12
F.68004	F.68004	949.8	Tr 100	53.11	34.68	36.19	36.40	36.69	0.006256	3.83	27.66	89.43	1.15
F.68004	F.68004	949.8	Tr 200	61.04	34.68	36.26	36.45	36.75	0.006005	3.91	35.49	127.90	1.14
F.68004	F.68004	949.8	Tr 500	71.59	34.68	36.32	36.49	36.81	0.006105	4.07	43.32	148.65	1.16
F.68004	F.68004	833.5	Tr 50	45.22	33.48	35.23	35.39	35.81	0.007902	3.86	19.09	49.93	1.23
F.68004	F.68004	833.5	Tr 100	53.11	33.48	35.29	35.55	35.89	0.007812	4.01	22.79	58.14	1.24
F.68004	F.68004	833.5	Tr 200	61.04	33.48	35.34	35.59	35.97	0.008043	4.19	25.66	59.95	1.27
F.68004	F.68004	833.5	Tr 500	71.59	33.48	35.43	35.62	36.04	0.007541	4.27	33.72	120.25	1.24
F.68004	F.68004	813.4	Tr 50	45.22	33.45	35.04	35.22	35.61	0.011927	4.23	20.42	60.31	1.45
F.68004	F.68004	813.4	Tr 100	53.11	33.45	35.08	35.28	35.69	0.012642	4.48	22.76	62.74	1.50
F.68004	F.68004	813.4	Tr 200	61.04	33.45	35.11	35.32	35.76	0.013114	4.68	25.12	65.45	1.54
F.68004	F.68004	813.4	Tr 500	71.59	33.45	35.17	35.38	35.84	0.013300	4.89	28.82	72.24	1.56
F.68004	F.68004	654.3	Tr 50	45.22	32.53	34.36	34.50	34.73	0.005053	3.31	30.40	107.52	1.00
F.68004	F.68004	654.3	Tr 100	53.11	32.53	34.41	34.56	34.78	0.005293	3.47	35.08	115.16	1.03
F.68004	F.68004	654.3	Tr 200	61.04	32.53	34.47	34.61	34.80	0.004863	3.44	42.66	157.01	1.00
F.68004	F.68004	654.3	Tr 500	71.59	32.53	34.50	34.66	34.87	0.005434	3.70	48.02	187.54	1.06

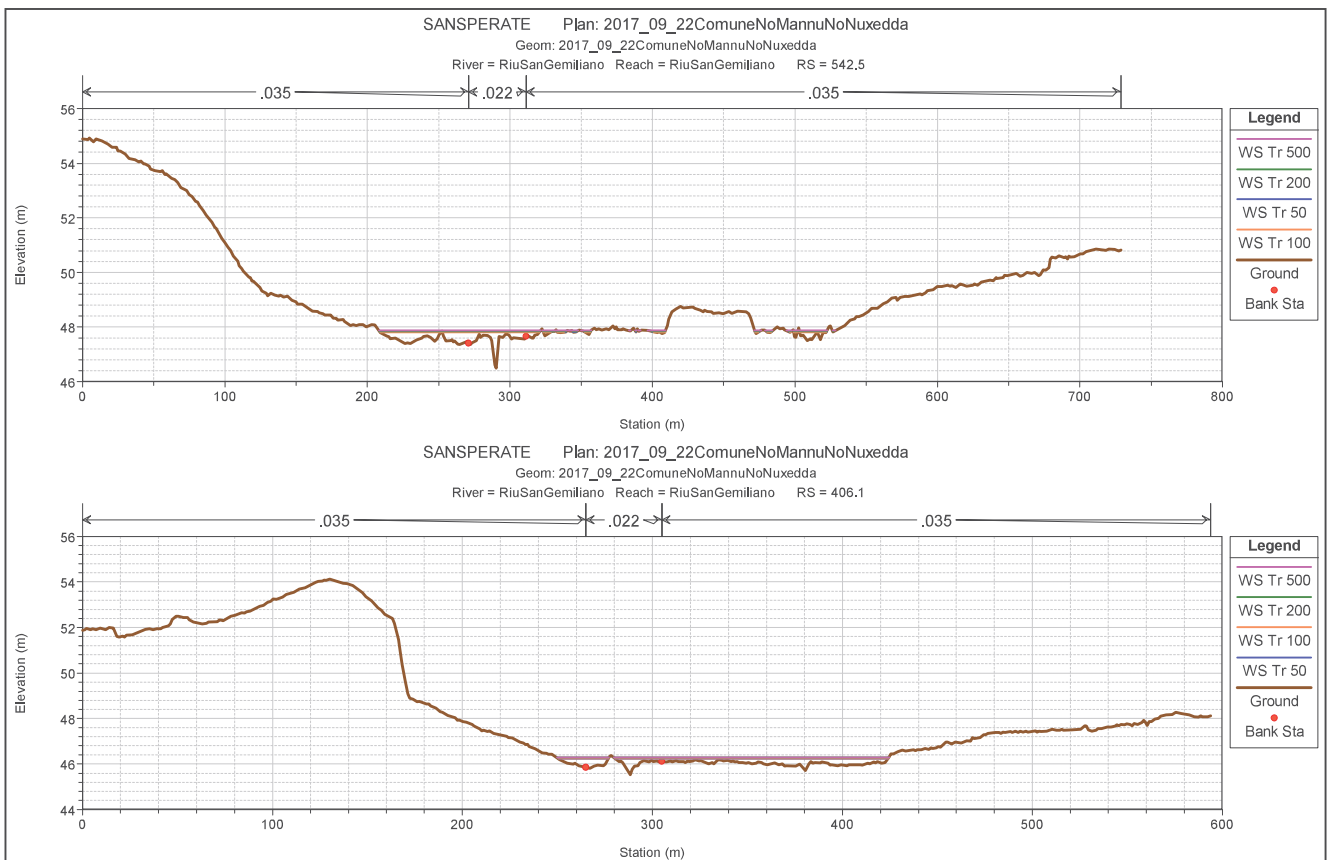
HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined (Continued)

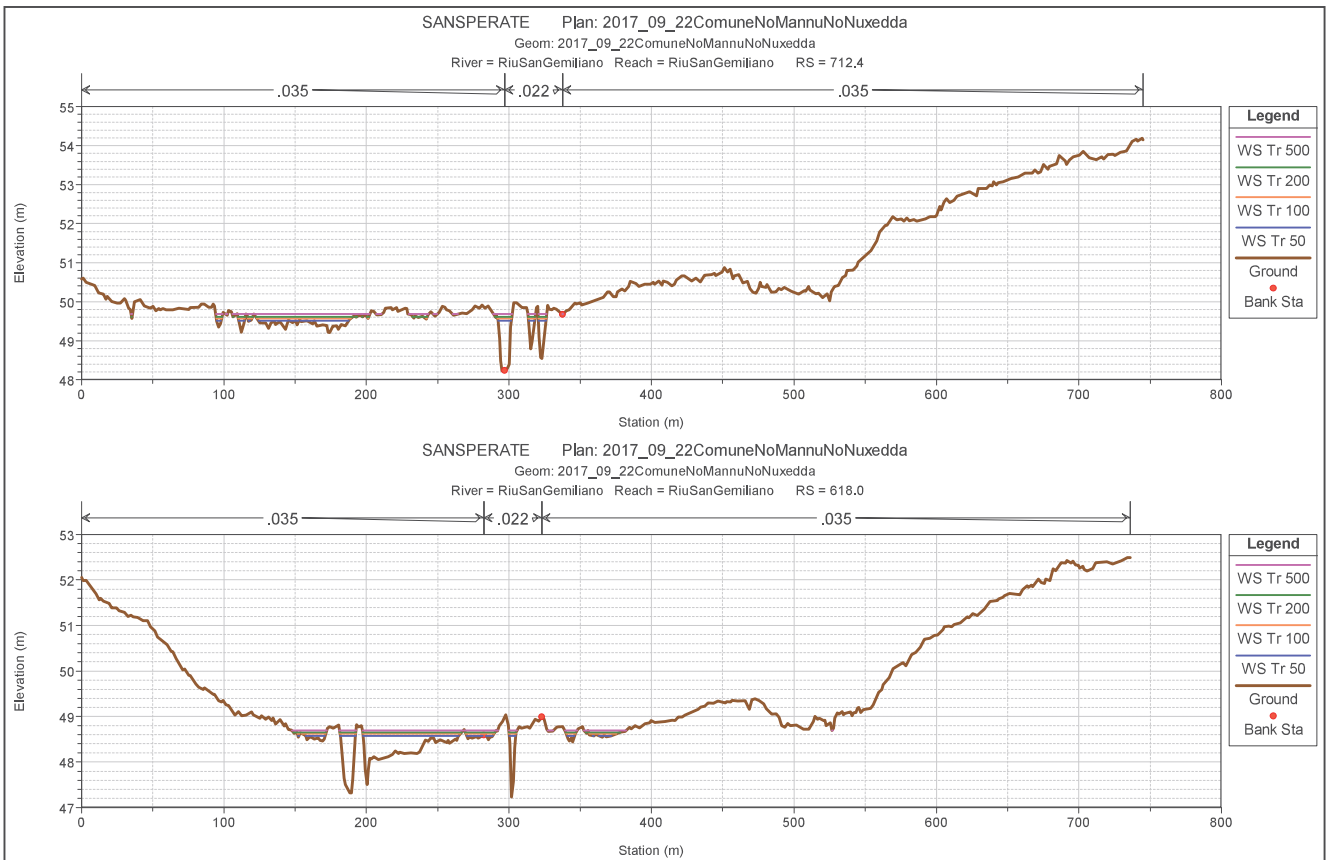
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
F.64080	F.64080	877.3	Tr 200	24.00	49.57	49.52		49.52	0.000004		295.14	179.54	0.00
F.64080	F.64080	877.3	Tr 500	28.00	49.57	49.55		49.55	0.000005		301.02	180.43	0.00
F.64080	F.64080	817.3	Tr 50	18.00	48.59	49.49		49.49	0.000001	0.03	383.55	189.38	0.01
F.64080	F.64080	817.3	Tr 100	21.00	48.59	49.49		49.49	0.000001	0.03	382.99	189.27	0.01
F.64080	F.64080	817.3	Tr 200	24.00	48.59	49.52		49.52	0.000002	0.04	388.84	190.42	0.02
F.64080	F.64080	817.3	Tr 500	28.00	48.59	49.55		49.55	0.000002	0.05	395.08	191.55	0.02
F.64080	F.64080	797.4	Tr 50	18.00	48.33	49.49		49.49	0.000002	0.04	273.62	111.81	0.02
F.64080	F.64080	797.4	Tr 100	21.00	48.33	49.49		49.49	0.000002	0.04	273.28	111.77	0.02
F.64080	F.64080	797.4	Tr 200	24.00	48.33	49.52		49.52	0.000003	0.05	276.73	112.26	0.02
F.64080	F.64080	797.4	Tr 500	28.00	48.33	49.55		49.55	0.000004	0.06	280.39	112.89	0.02
F.64080	F.64080	694.9	Tr 50	18.00	47.33	49.46	49.24	49.49	0.000556	1.06	39.55	173.17	0.32
F.64080	F.64080	694.9	Tr 100	21.00	47.33	49.42	49.31	49.48	0.000955	1.36	34.51	151.56	0.42
F.64080	F.64080	694.9	Tr 200	24.00	47.33	49.45	49.36	49.51	0.001007	1.42	39.11	171.67	0.43
F.64080	F.64080	694.9	Tr 500	28.00	47.33	49.48	49.39	49.55	0.001130	1.53	43.84	189.21	0.46
F.64080	F.64080	685											
				Bridge									
F.64080	F.64080	675.4	Tr 50	18.00	47.13	48.52	48.74	49.19	0.014391	3.65	5.13	10.96	1.52
F.64080	F.64080	675.4	Tr 100	21.00	47.13	48.60	48.83	49.28	0.013416	3.68	6.10	12.63	1.48
F.64080	F.64080	675.4	Tr 200	24.00	47.13	48.67	48.91	49.35	0.012639	3.71	7.07	14.11	1.45
F.64080	F.64080	675.4	Tr 500	28.00	47.13	48.79	49.01	49.41	0.010448	3.60	8.81	16.62	1.34
F.64080	F.64080	660.8	Tr 50	18.00	47.02	45.73		45.74	0.000147		61.46	77.49	0.00
F.64080	F.64080	660.8	Tr 100	21.00	47.02	45.81		45.82	0.000149		67.62	80.09	0.00
F.64080	F.64080	660.8	Tr 200	24.00	47.02	45.85		45.85	0.000176		70.48	80.89	0.00
F.64080	F.64080	660.8	Tr 500	28.00	47.02	45.90		45.90	0.000201		74.48	81.43	0.00
F.64080	F.64080	621.7	Tr 50	18.00	46.78	45.73		45.73	0.000032		105.24	94.91	0.00
F.64080	F.64080	621.7	Tr 100	21.00	46.78	45.81		45.81	0.000036		112.78	96.78	0.00
F.64080	F.64080	621.7	Tr 200	24.00	46.78	45.85		45.85	0.000043		116.21	97.62	0.00
F.64080	F.64080	621.7	Tr 500	28.00	46.78	45.90		45.90	0.000052		121.05	100.11	0.00
F.64080	F.64080	524.2	Tr 50	18.00	45.60	45.73		45.73	0.000006	0.02	180.52	106.27	0.02
F.64080	F.64080	524.2	Tr 100	21.00	45.60	45.81		45.81	0.000007	0.03	188.98	109.43	0.03
F.64080	F.64080	524.2	Tr 200	24.00	45.60	45.85		45.85	0.000009	0.04	192.84	110.93	0.03
F.64080	F.64080	524.2	Tr 500	28.00	45.60	45.89		45.90	0.000012	0.05	198.33	113.92	0.04
F.64080	F.64080	372.0	Tr 50	18.00	43.32	44.51	44.75	45.24	0.013388	3.82	5.10	11.89	1.51
F.64080	F.64080	372.0	Tr 100	21.00	43.32	44.58	44.84	45.35	0.012721	3.98	5.92	12.59	1.50

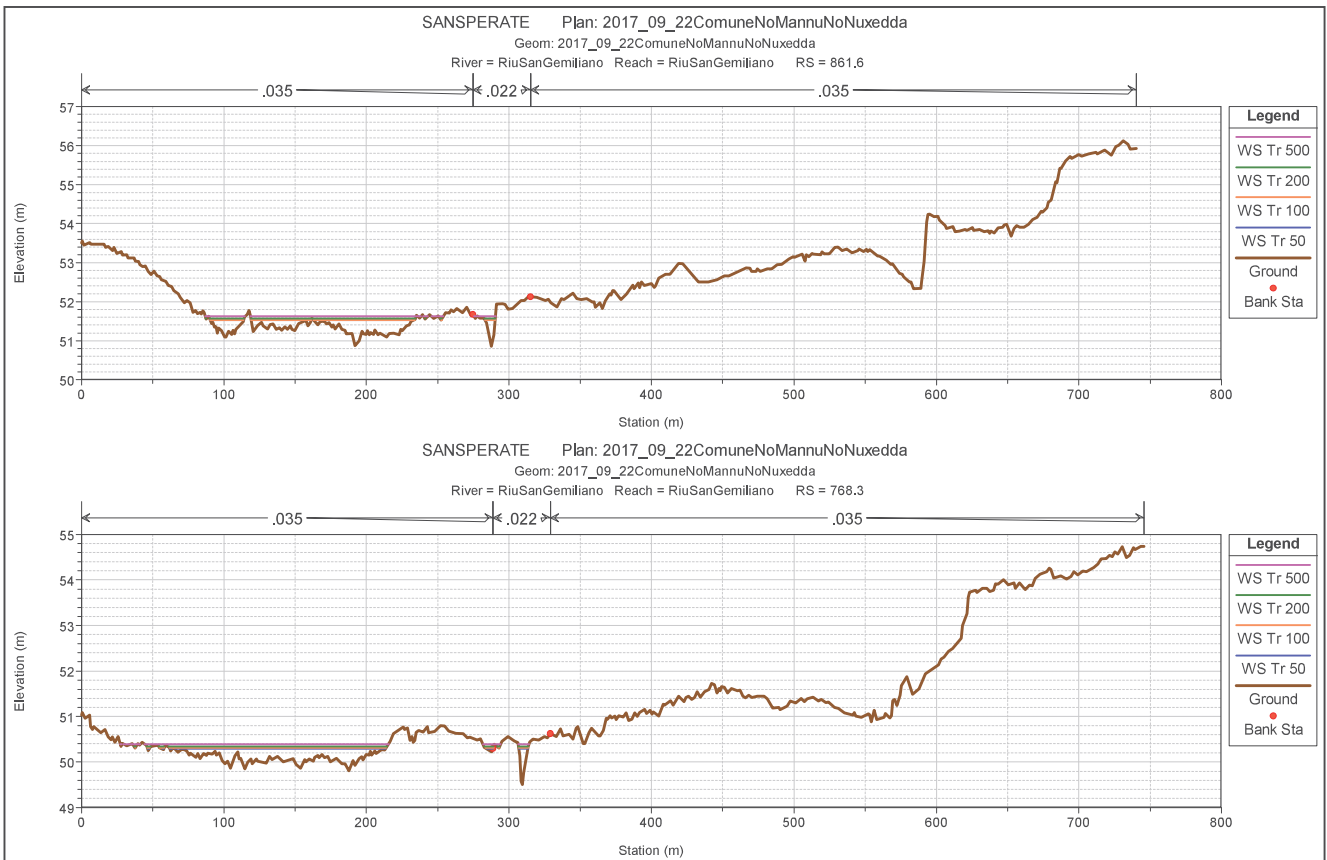
HEC-RAS Plan: 2017_09_22ComuneNoMannuNoNuxedda Locations: User Defined

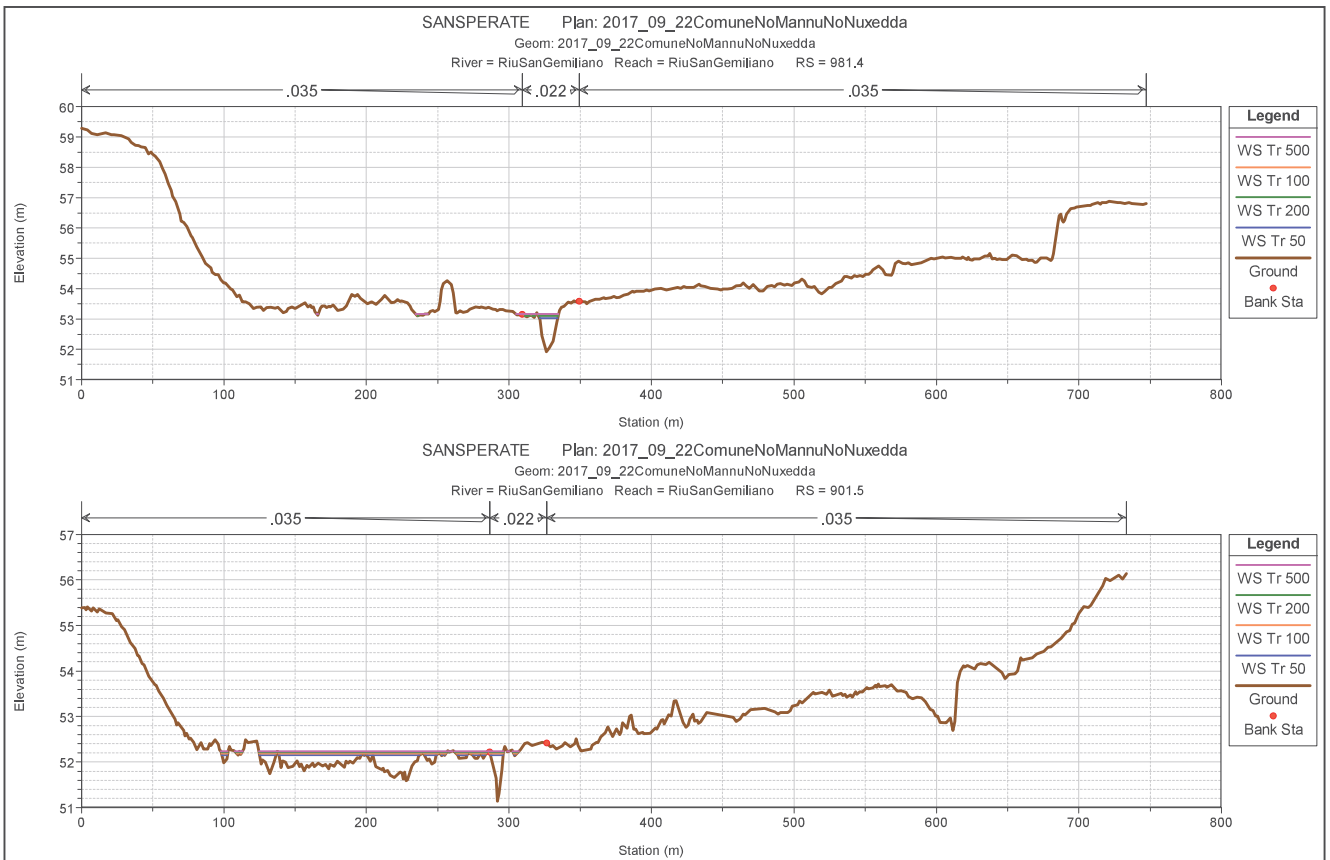
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
F.64080	F.64080	1267.7	Tr 50	18.00	55.22	56.12	56.12	56.25	0.003958	2.19	17.71	65.14	0.85
F.64080	F.64080	1267.7	Tr 100	21.00	55.22	56.16	56.16	56.29	0.003906	2.25	20.12	68.60	0.85
F.64080	F.64080	1267.7	Tr 200	24.00	55.22	56.18	56.18	56.32	0.004243	2.39	21.78	69.94	0.89
F.64080	F.64080	1267.7	Tr 500	28.00	55.22	56.23	56.23	56.37	0.003993	2.43	25.51	76.96	0.87
F.64080	F.64080	1210.2	Tr 50	18.00	53.56	54.91	55.09	55.53	0.012752	3.73	7.94	53.82	1.45
F.64080	F.64080	1210.2	Tr 100	21.00	53.56	54.94	55.11	55.57	0.012971	3.87	9.68	57.07	1.48
F.64080	F.64080	1210.2	Tr 200	24.00	53.56	54.97	55.14	55.61	0.013163	4.00	11.30	61.05	1.50
F.64080	F.64080	1210.2	Tr 500	28.00	53.56	55.00	55.19	55.65	0.013498	4.17	13.26	65.34	1.53
F.64080	F.64080	1171.9	Tr 50	18.00	53.18	53.10	53.25	53.54	0.065100		6.16	23.84	0.00
F.64080	F.64080	1171.9	Tr 100	21.00	53.18	53.13	53.29	53.61	0.066993		6.86	25.27	0.00
F.64080	F.64080	1171.9	Tr 200	24.00	53.18	53.16	53.32	53.67	0.070279		7.60	27.71	0.00
F.64080	F.64080	1171.9	Tr 500	28.00	53.18	53.19	53.36	53.76	0.071739	0.17	8.36	28.52	1.33
F.64080	F.64080	1133.6	Tr 50	18.00	52.91	52.56	52.26	52.58	0.001139		32.04	71.54	0.00
F.64080	F.64080	1133.6	Tr 100	21.00	52.91	52.60	52.28	52.62	0.001214		34.62	72.23	0.00
F.64080	F.64080	1133.6	Tr 200	24.00	52.91	52.63	52.31	52.65	0.001311		36.91	73.49	0.00
F.64080	F.64080	1133.6	Tr 500	28.00	52.91	52.67	52.33	52.69	0.001432		39.72	74.80	0.00
F.64080	F.64080	1114.5	Tr 50	18.00	52.62	52.55		52.56	0.000568		42.82	87.67	0.00
F.64080	F.64080	1114.5	Tr 100	21.00	52.62	52.59		52.60	0.000622		45.94	88.69	0.00
F.64080	F.64080	1114.5	Tr 200	24.00	52.62	52.62		52.63	0.000674		48.69	89.16	0.00
F.64080	F.64080	1114.5	Tr 500	28.00	52.62	52.65		52.67	0.000744	0.08	52.00	90.32	0.20
F.64080	F.64080	1057.1	Tr 50	18.00	51.86	52.49		52.51	0.000744	0.63	32.61	56.10	0.33
F.64080	F.64080	1057.1	Tr 100	21.00	51.86	52.52		52.54	0.000880	0.71	34.08	56.38	0.36
F.64080	F.64080	1057.1	Tr 200	24.00	51.86	52.54		52.56	0.001040	0.78	35.16	56.58	0.39
F.64080	F.64080	1057.1	Tr 500	28.00	51.86	52.56		52.59	0.001262	0.88	36.45	56.82	0.43
F.64080	F.64080	1037.1	Tr 50	18.00	51.96	52.37	52.37	52.45	0.013812	1.95	14.81	92.74	1.31
F.64080	F.64080	1037.1	Tr 100	21.00	51.96	52.39	52.39	52.48	0.012964	1.96	17.26	110.68	1.28
F.64080	F.64080	1037.1	Tr 200	24.00	51.96	52.43	52.43	52.50	0.010722	1.86	21.19	150.19	1.18
F.64080	F.64080	1037.1	Tr 500	28.00	51.96	52.45	52.45	52.52	0.010274	1.88	25.36	194.55	1.16
F.64080	F.64080	957.2	Tr 50	18.00	50.19	49.82	49.87	50.05	0.031259		8.55	31.22	0.00
F.64080	F.64080	957.2	Tr 100	21.00	50.19	49.85	49.91	50.10	0.031690		9.50	32.59	0.00
F.64080	F.64080	957.2	Tr 200	24.00	50.19	49.88	49.95	50.14	0.030851		10.56	34.05	0.00
F.64080	F.64080	957.2	Tr 500	28.00	50.19	49.92	49.99	50.20	0.030200		12.09	37.29	0.00
F.64080	F.64080	877.3	Tr 50	18.00	49.57	49.49		49.49	0.000003		290.15	178.78	0.00
F.64080	F.64080	877.3	Tr 100	21.00	49.57	49.49		49.49	0.000003		289.62	178.70	0.00

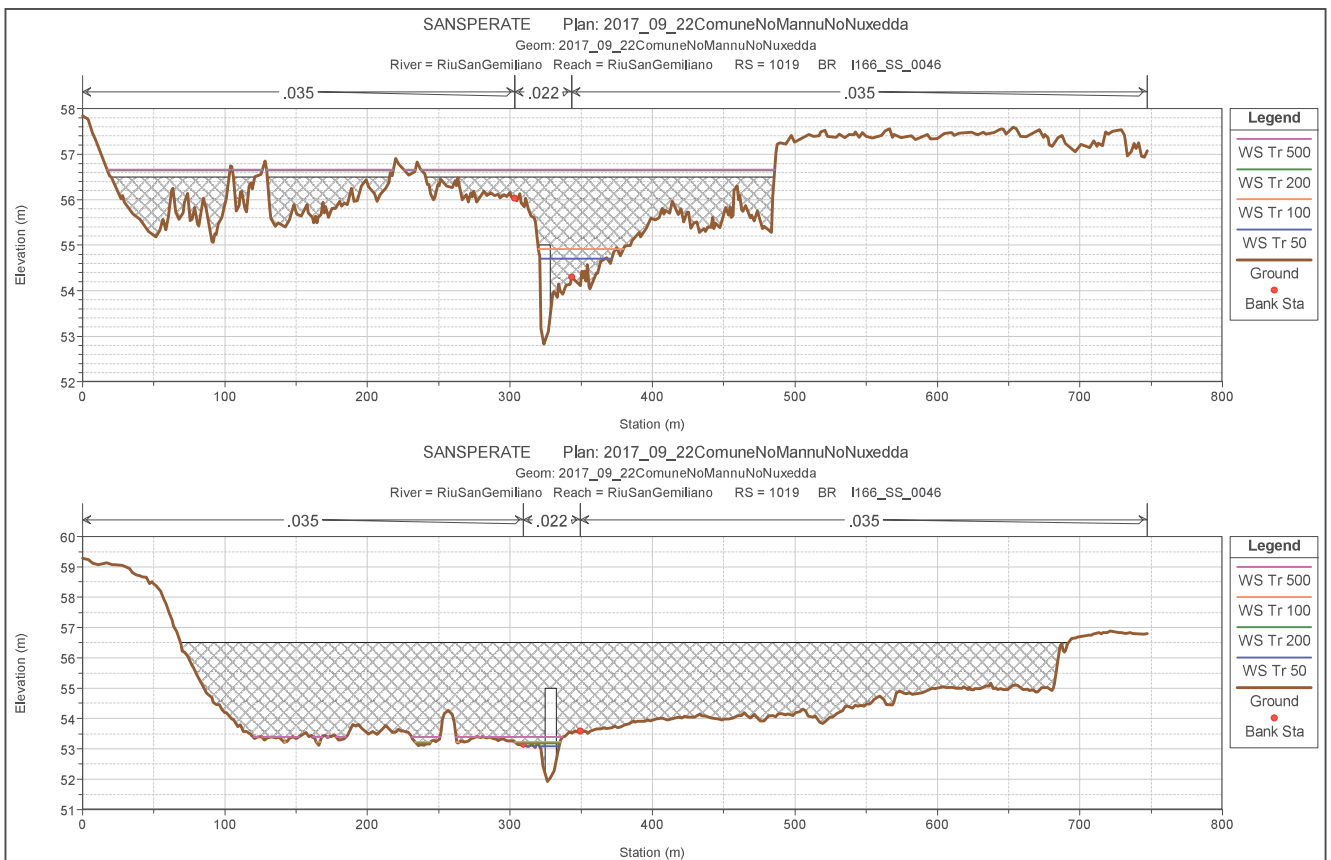


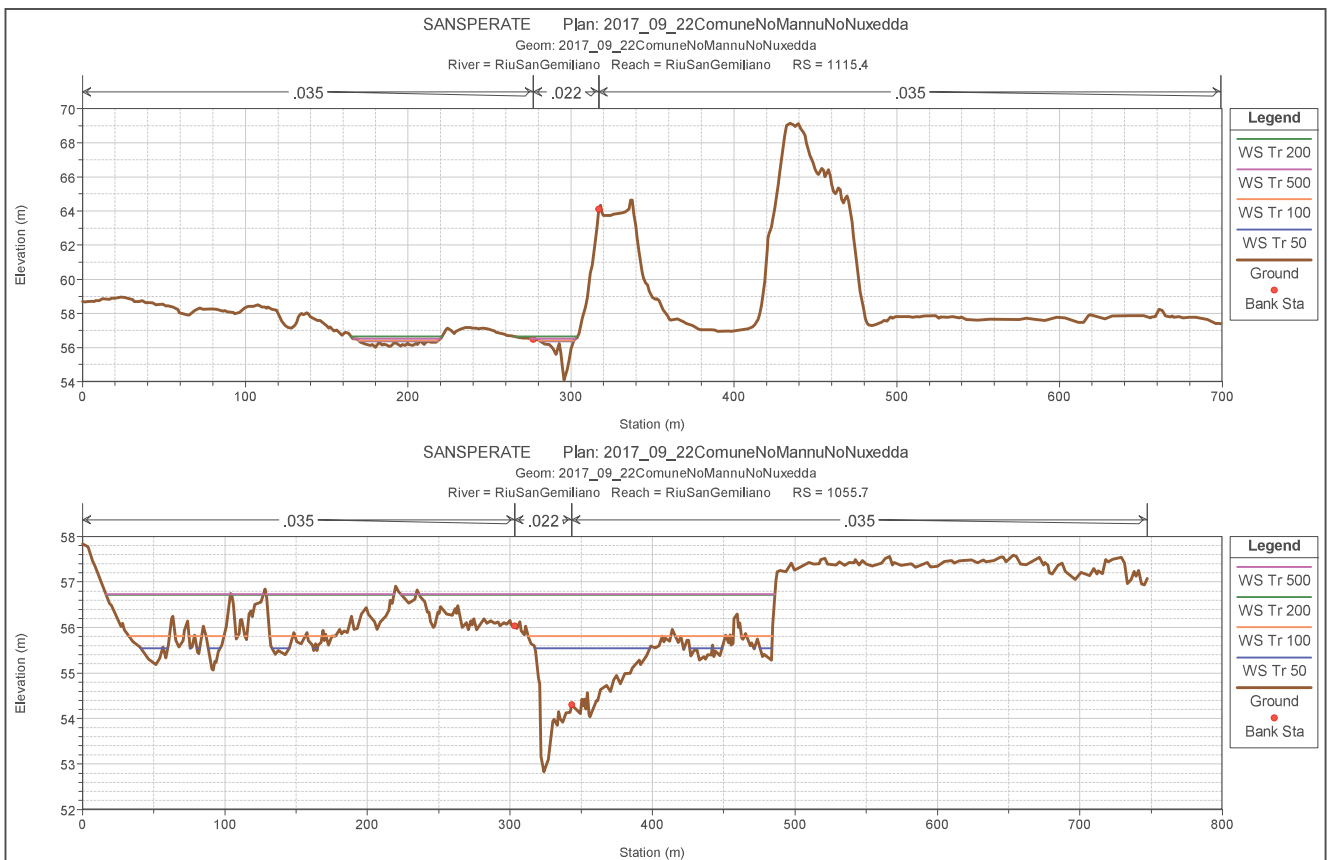


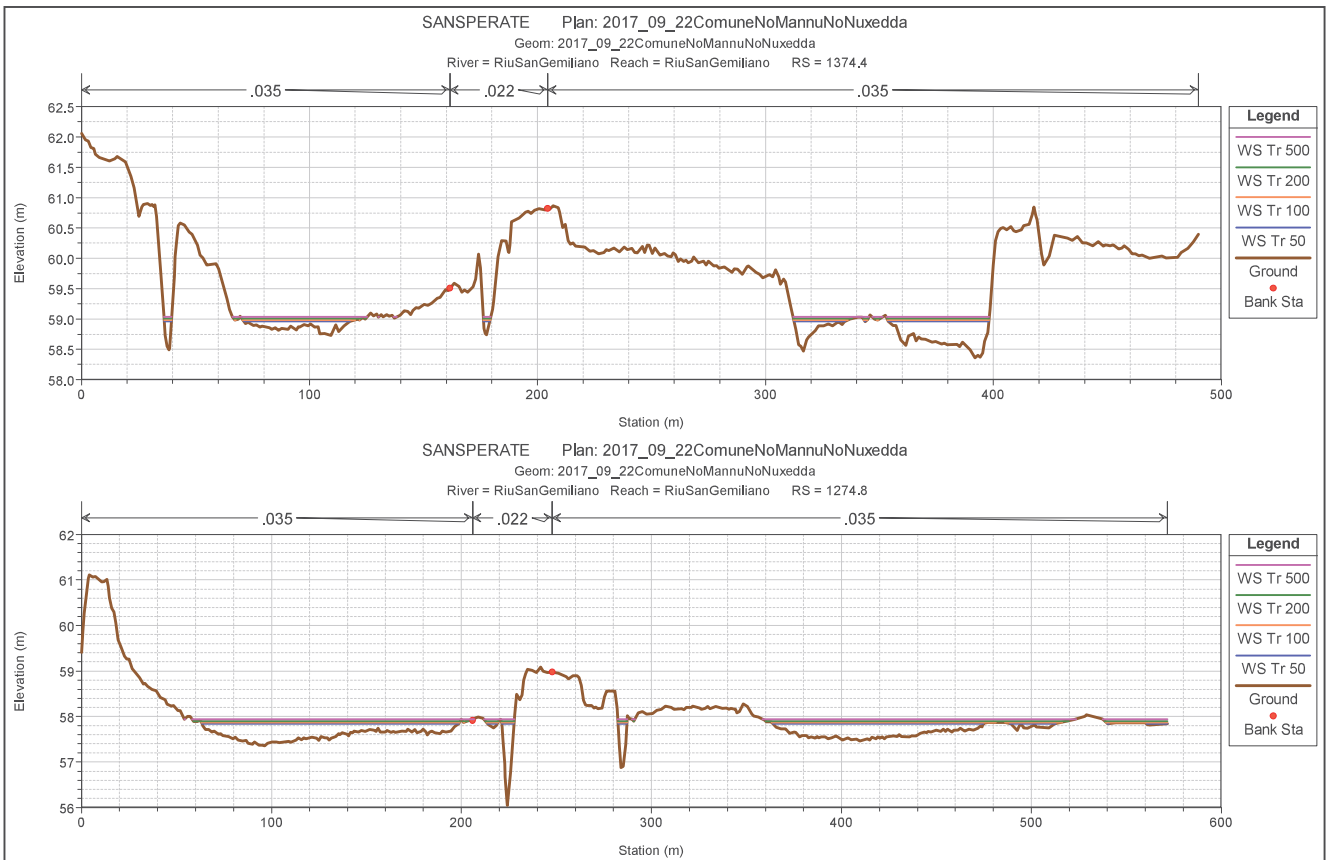


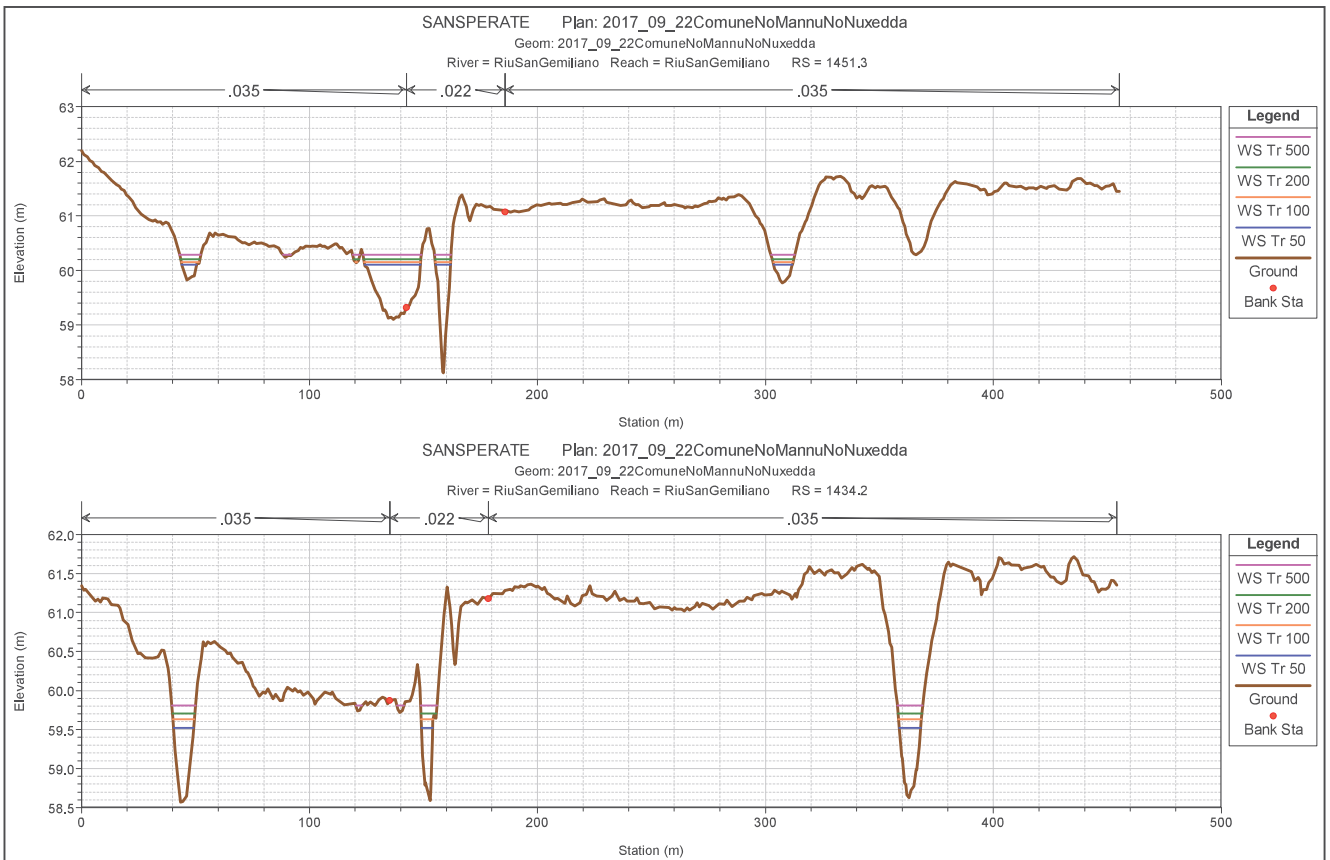


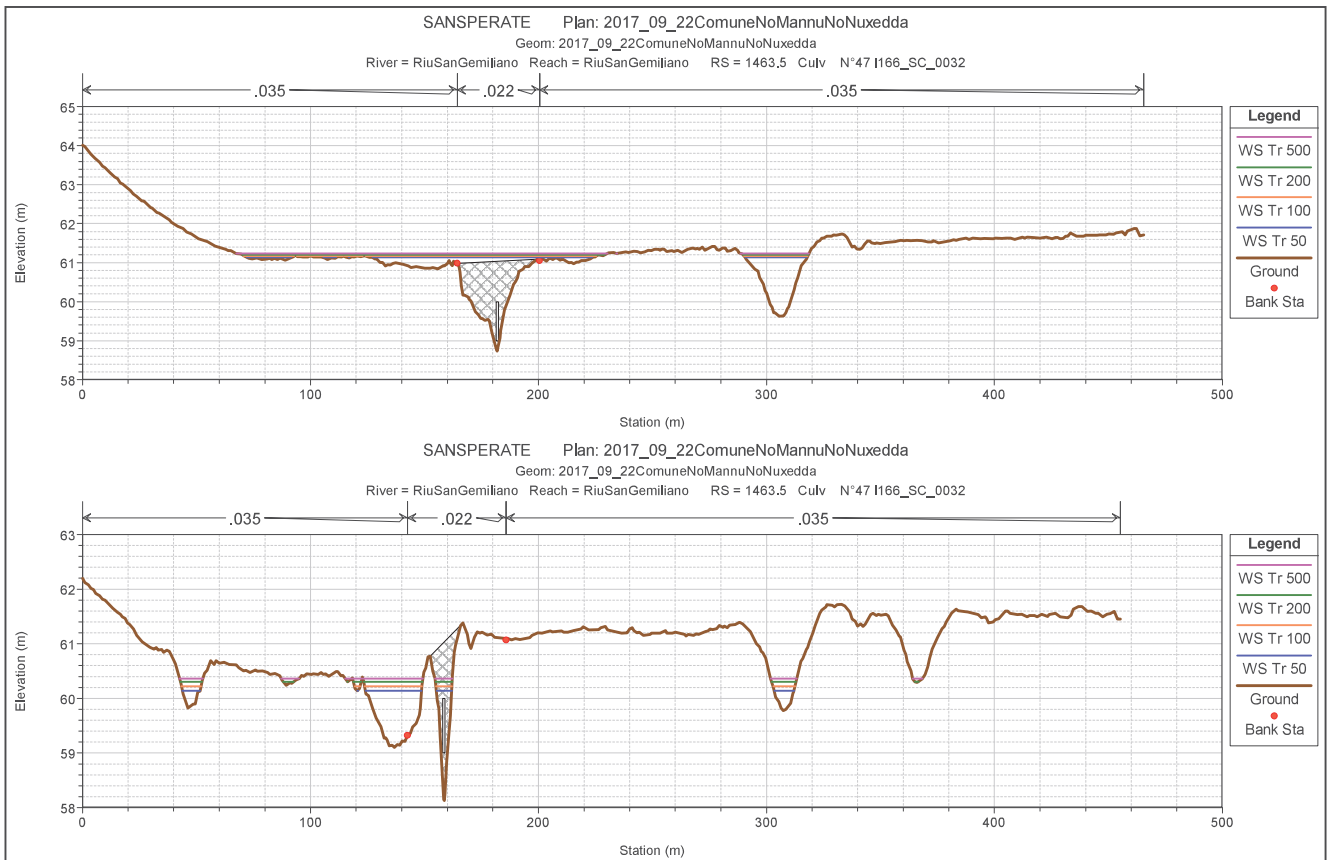


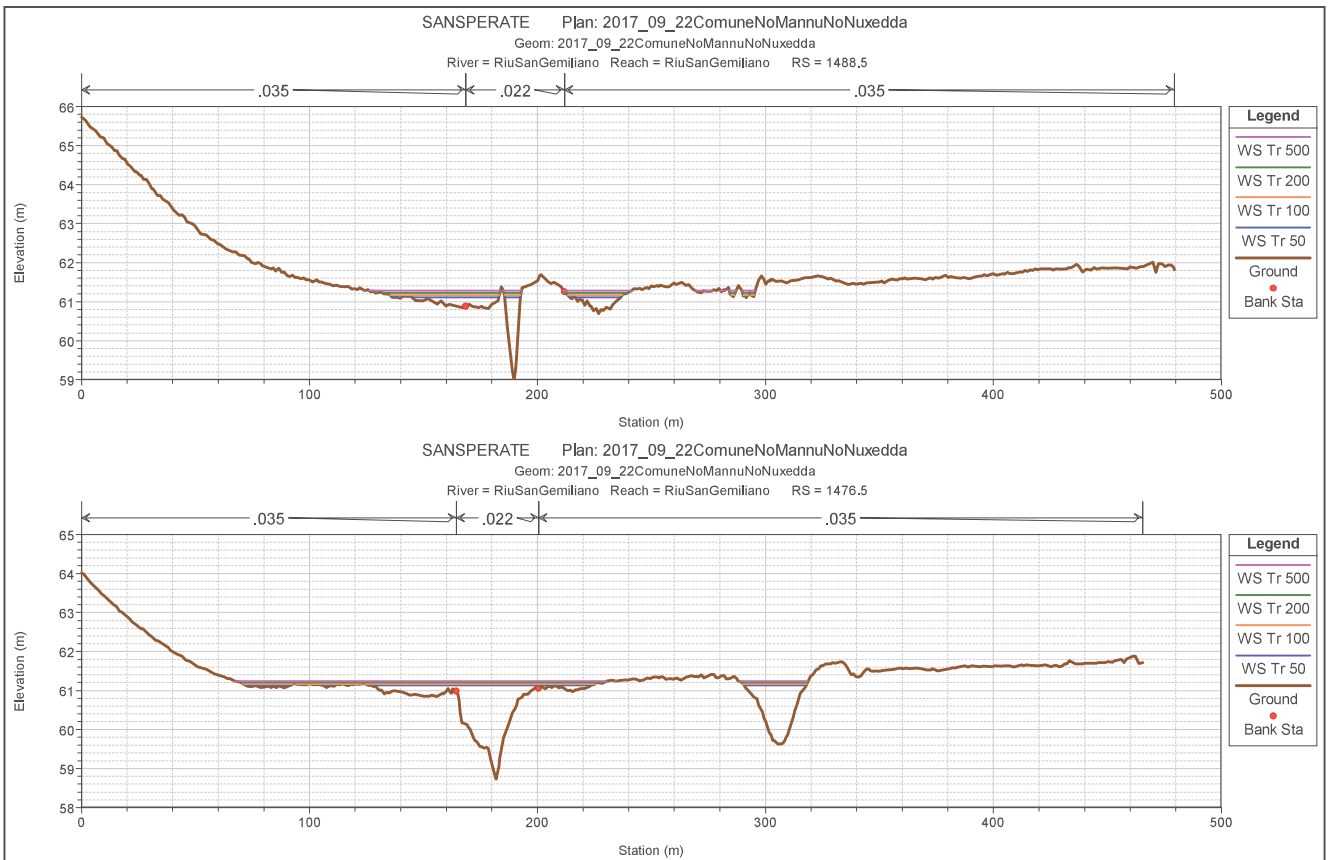


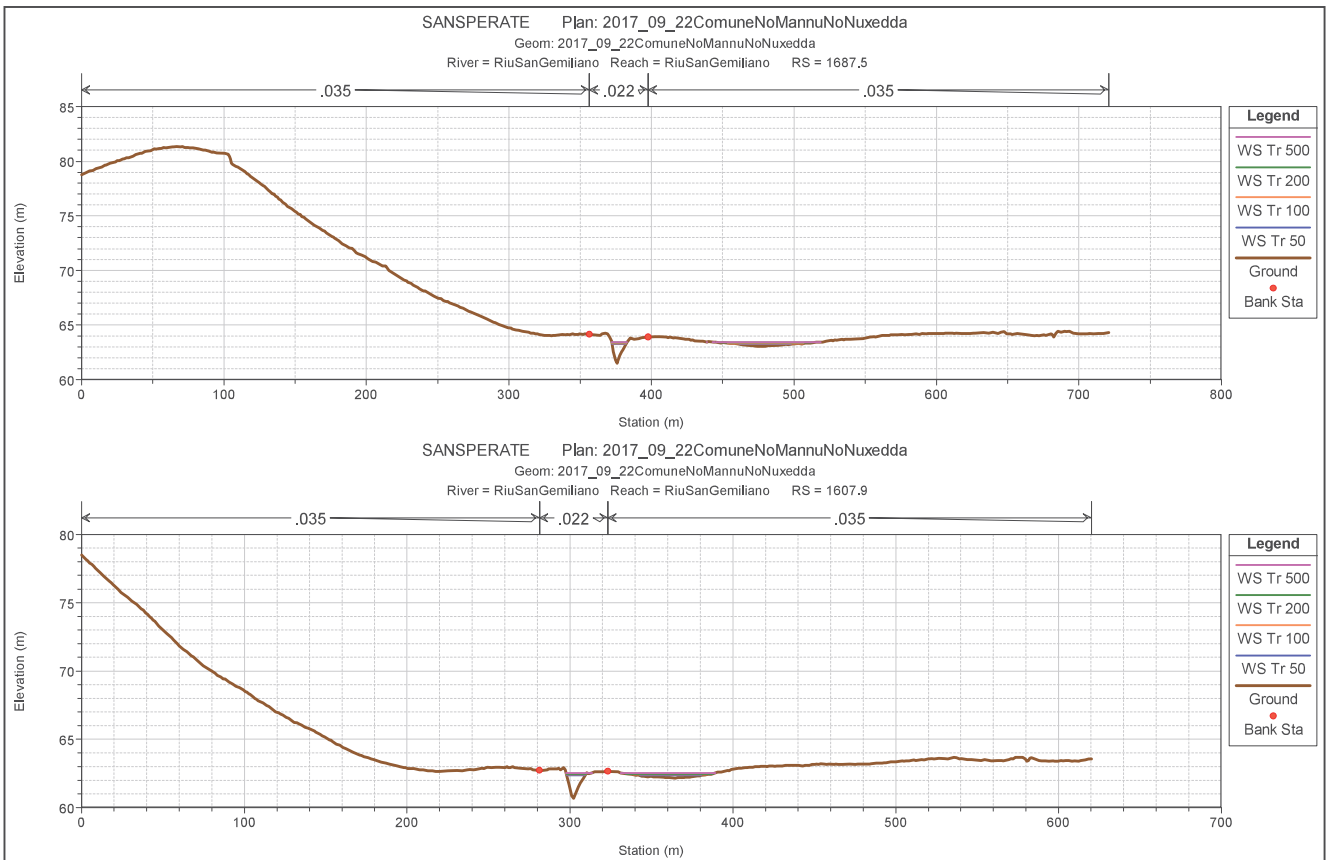


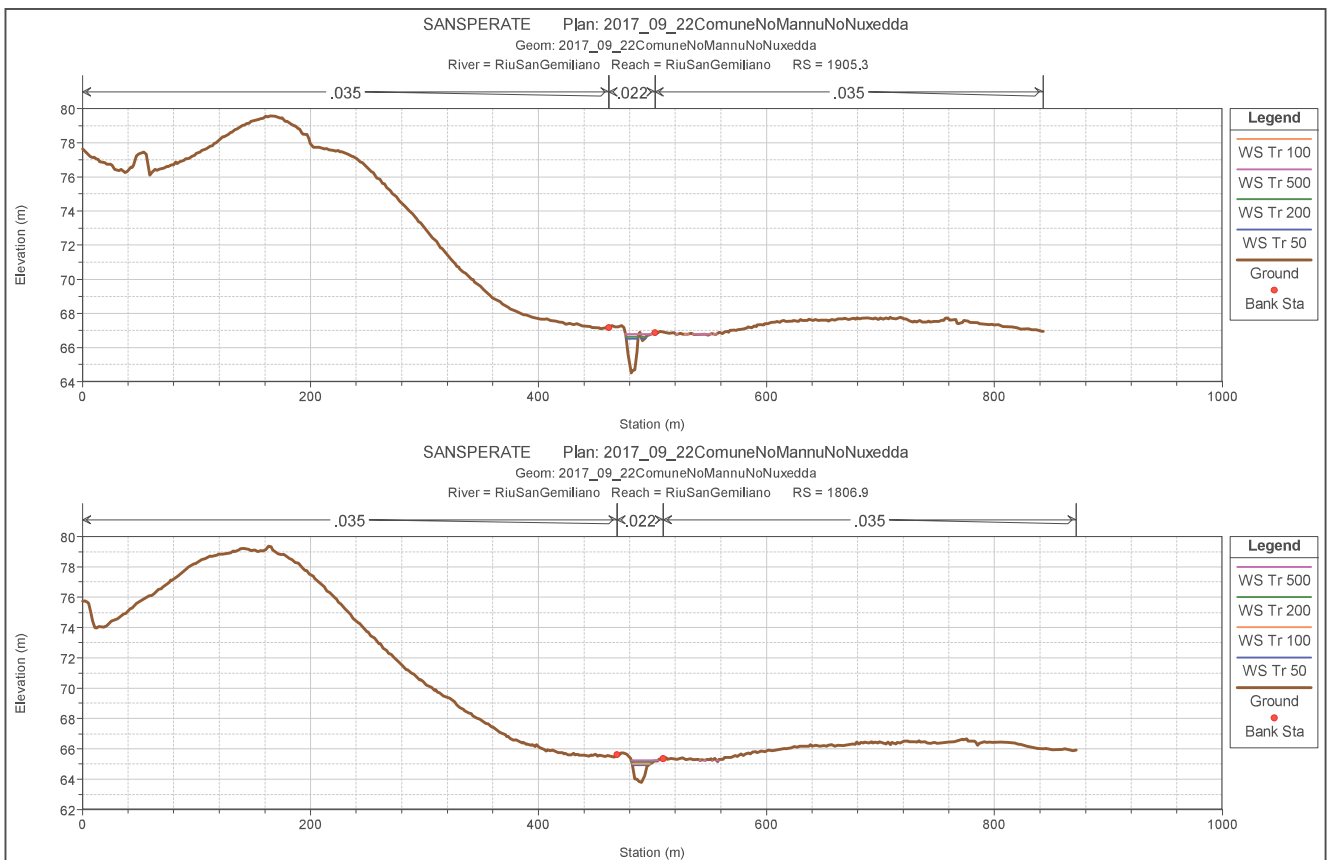


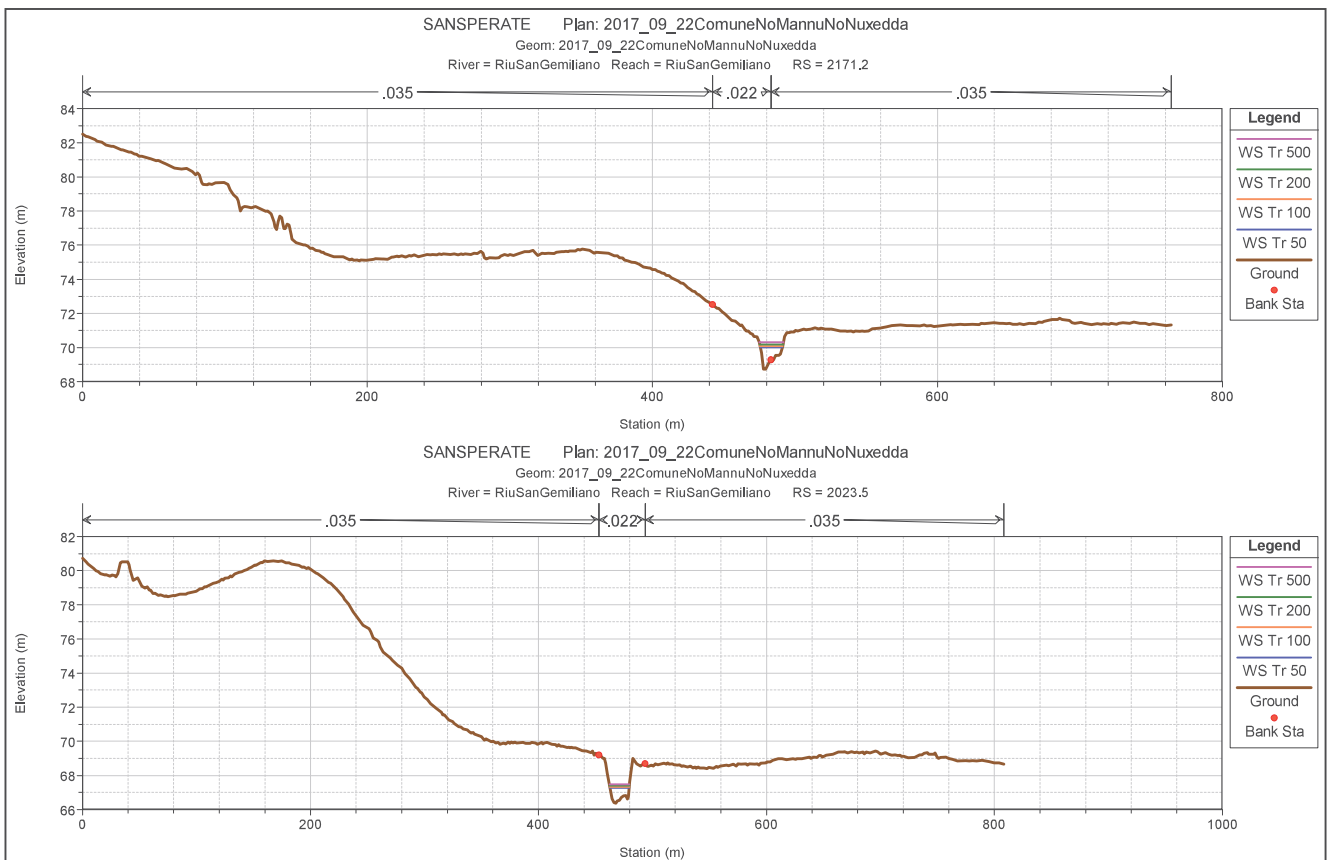


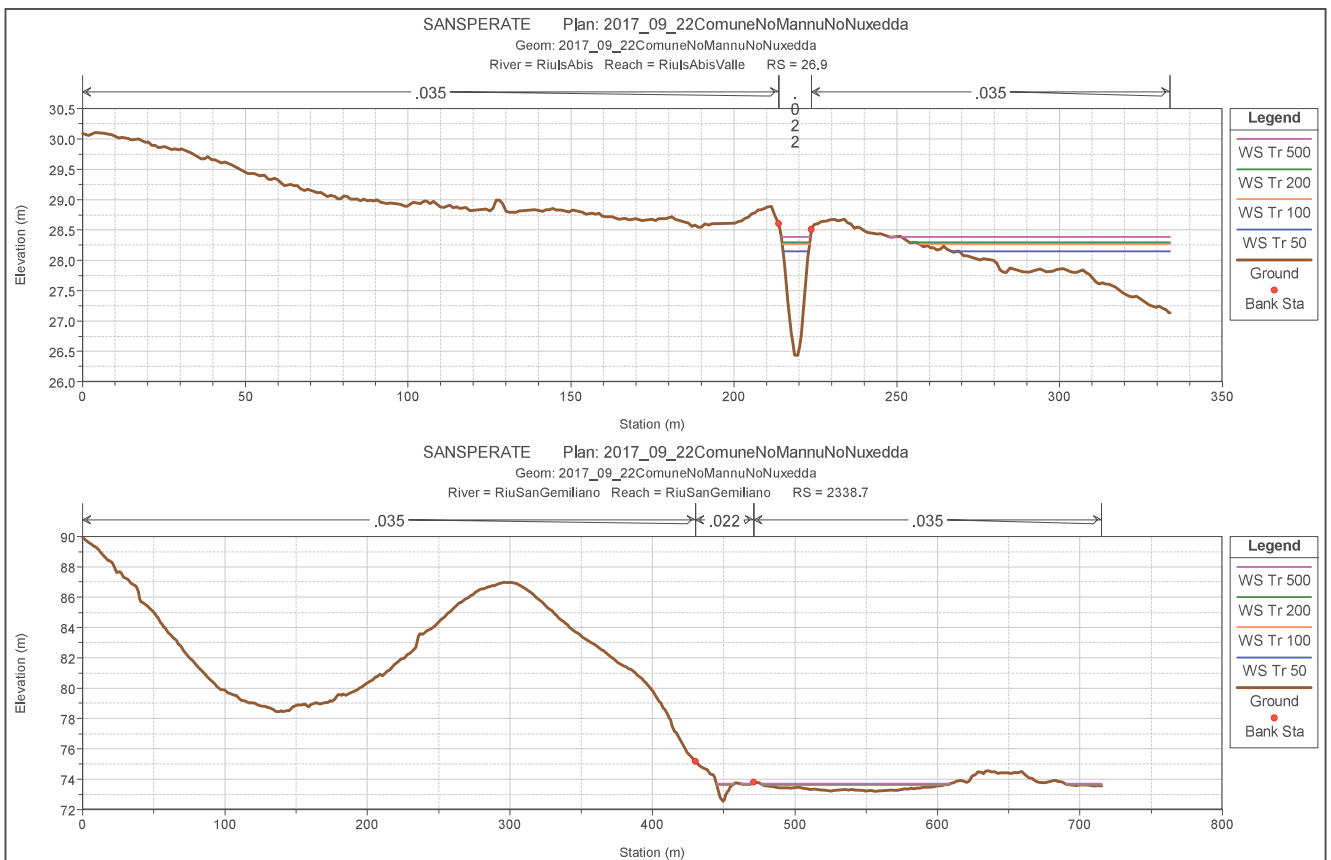


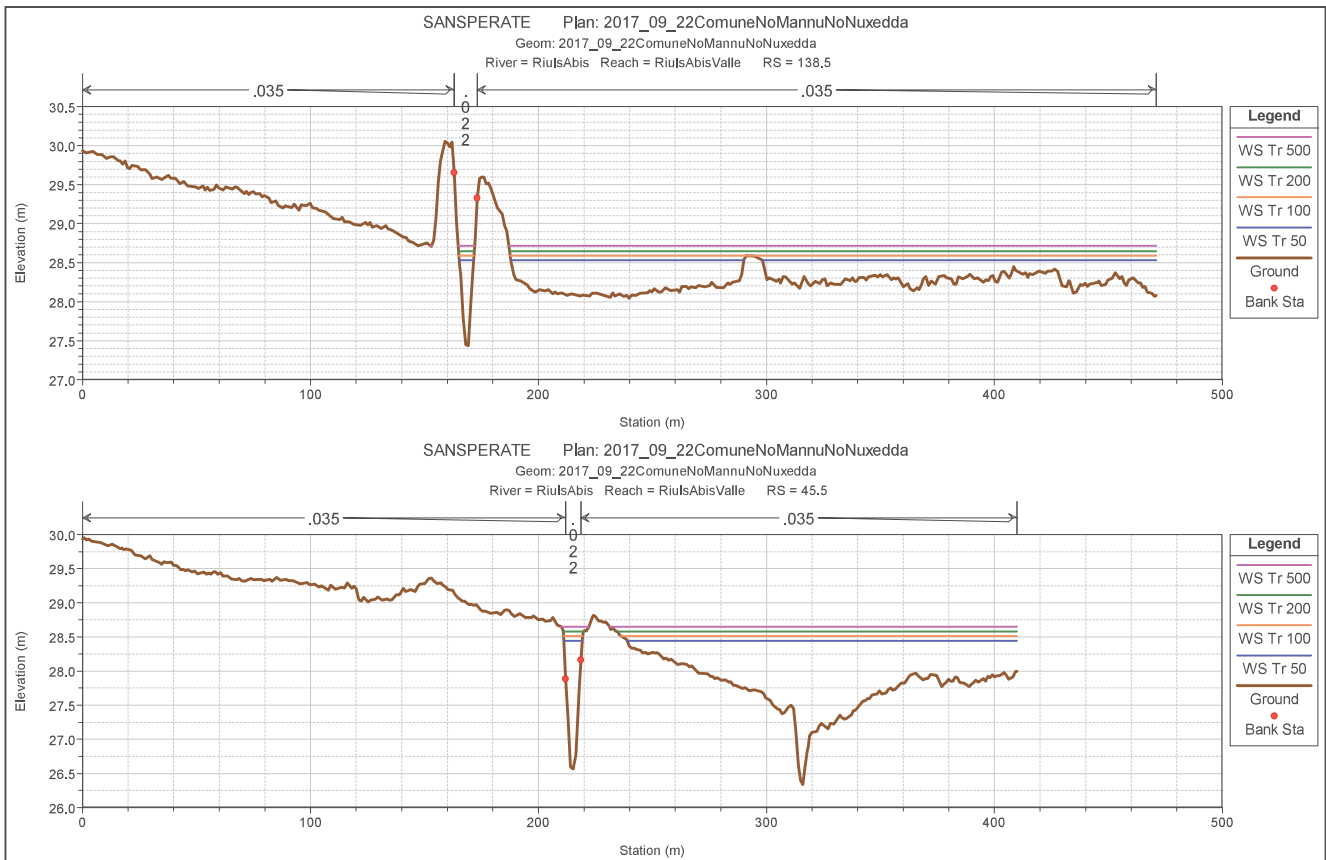


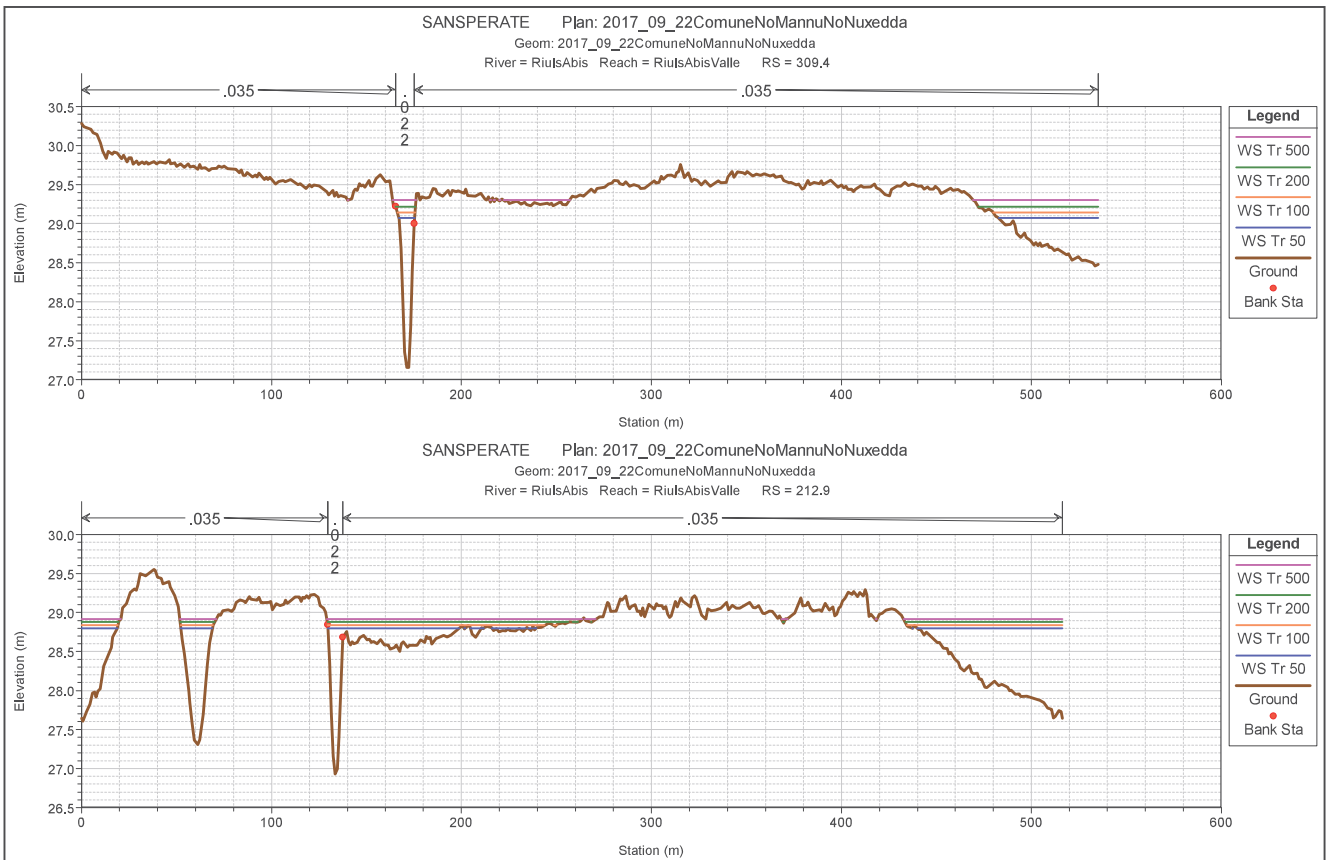


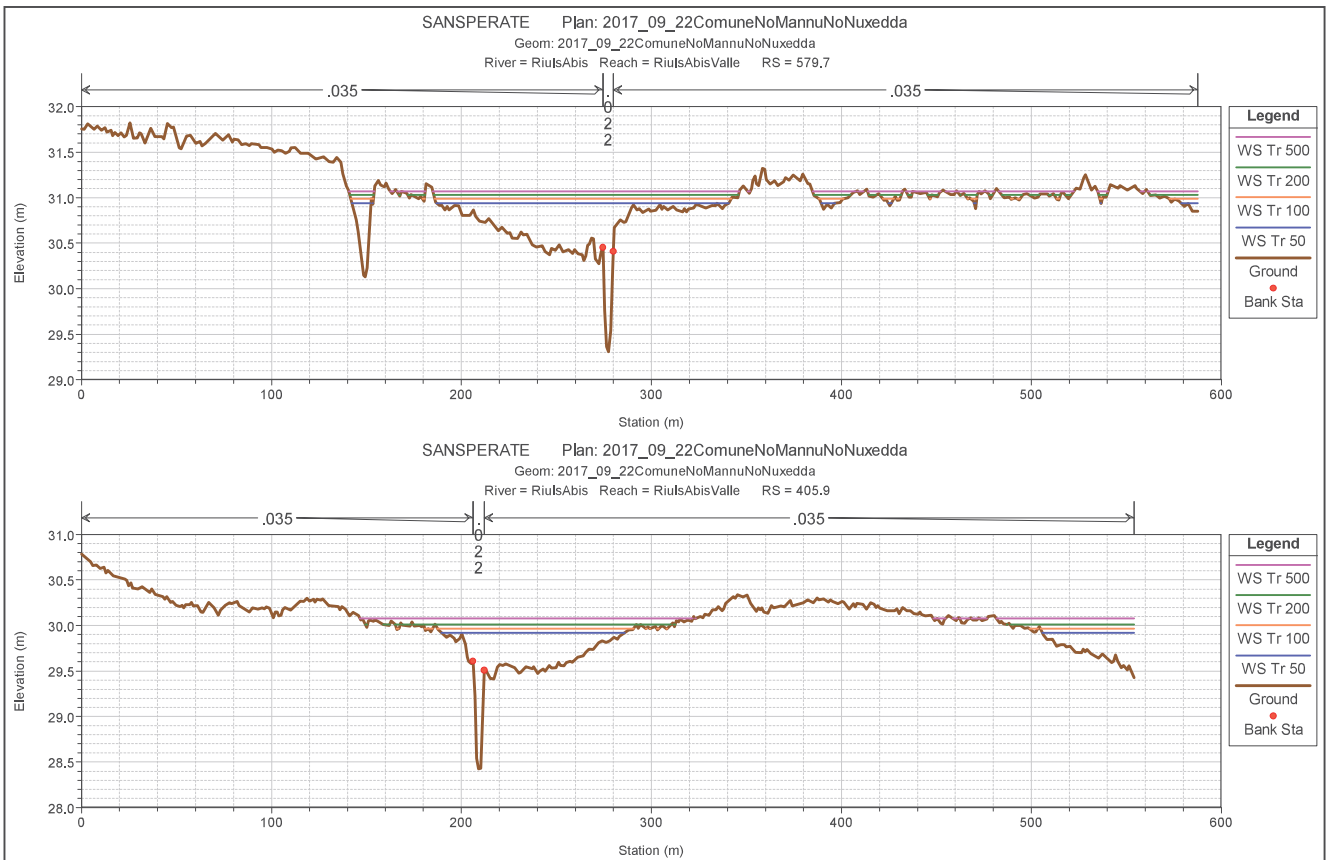


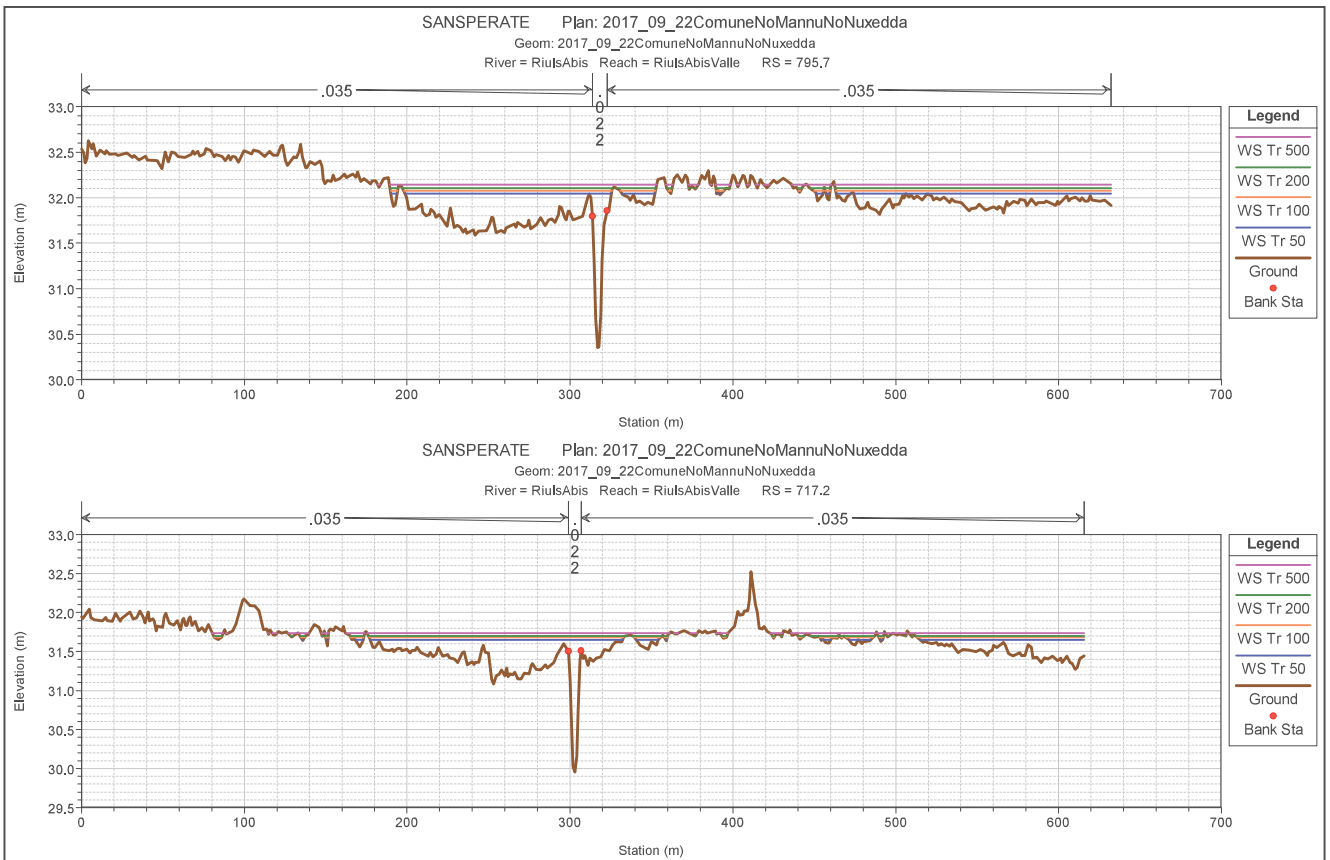


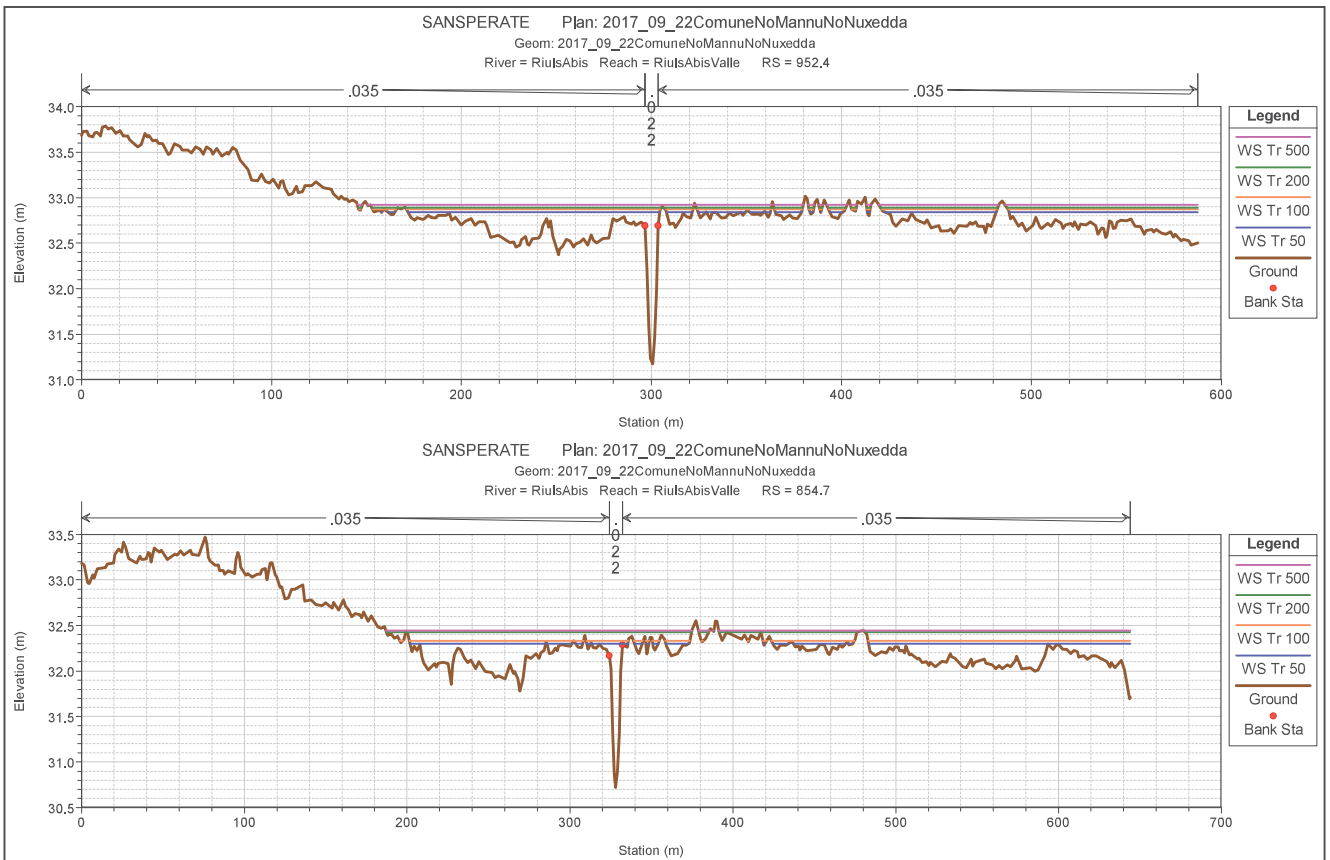


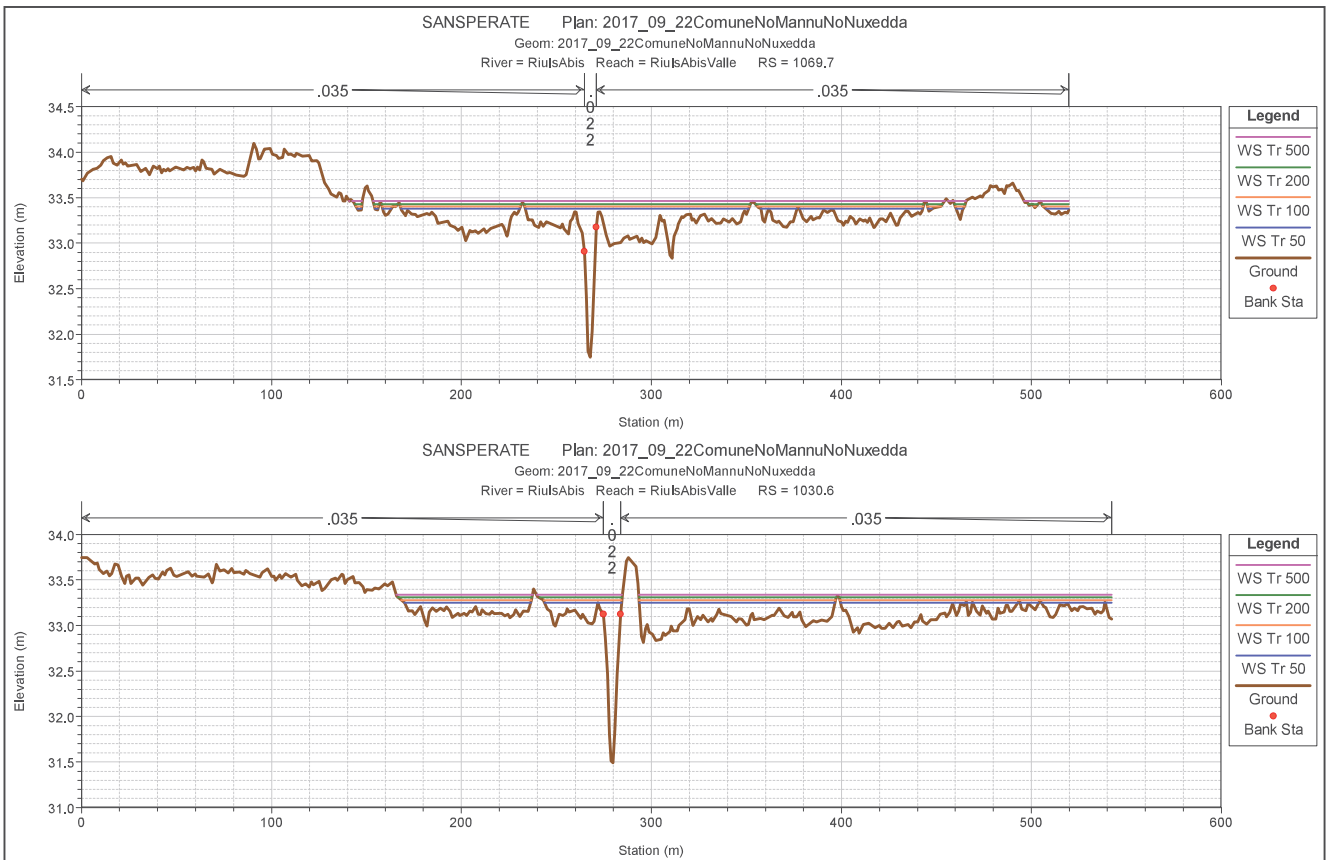


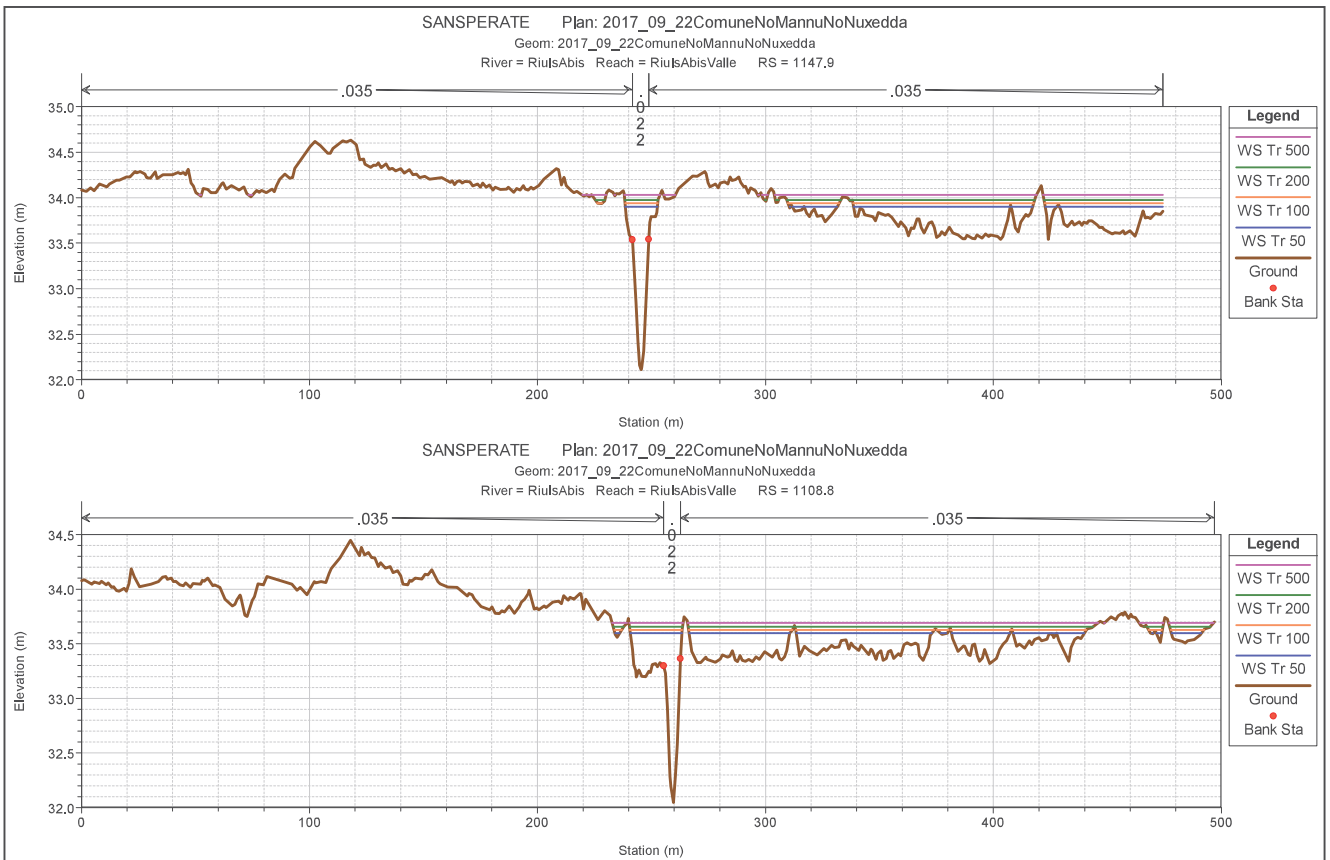


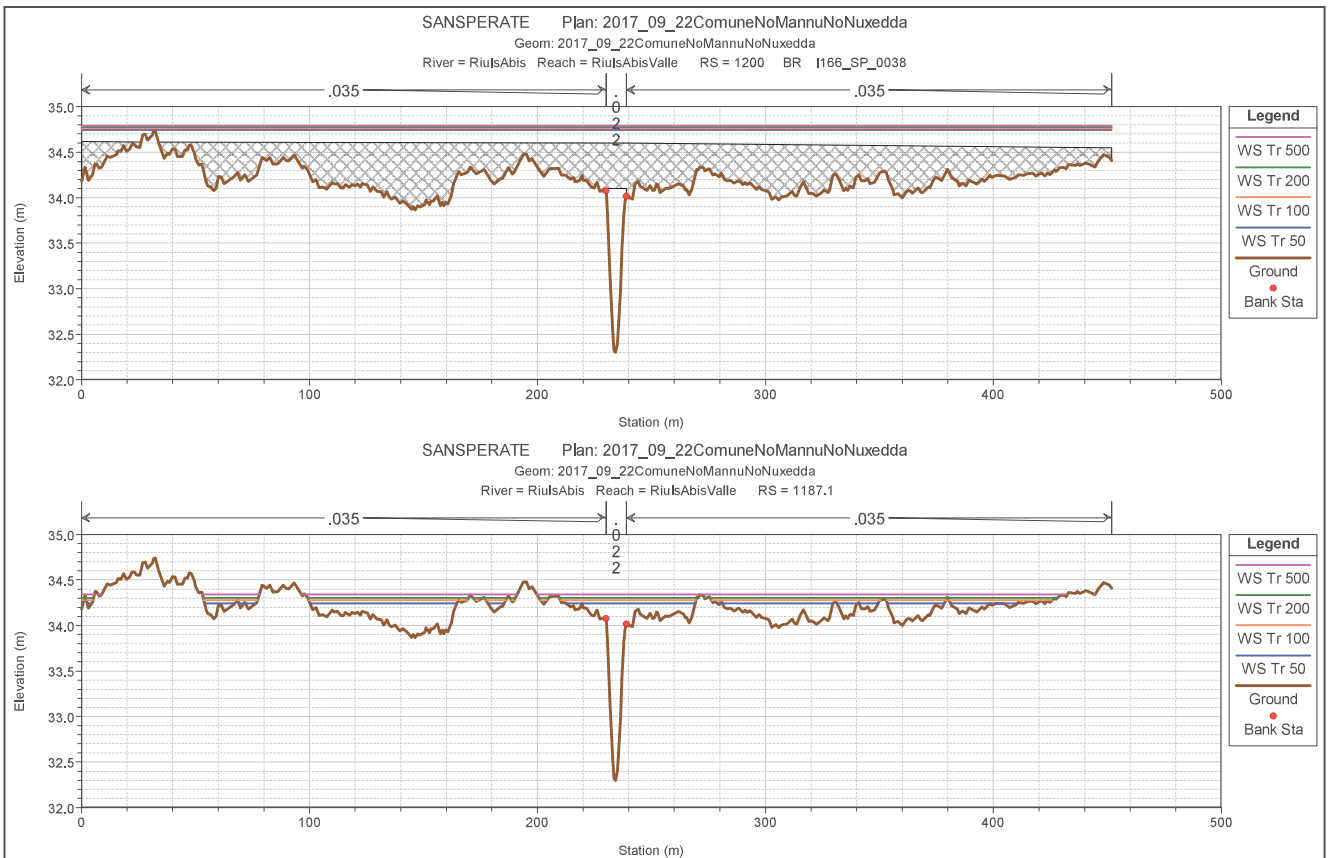


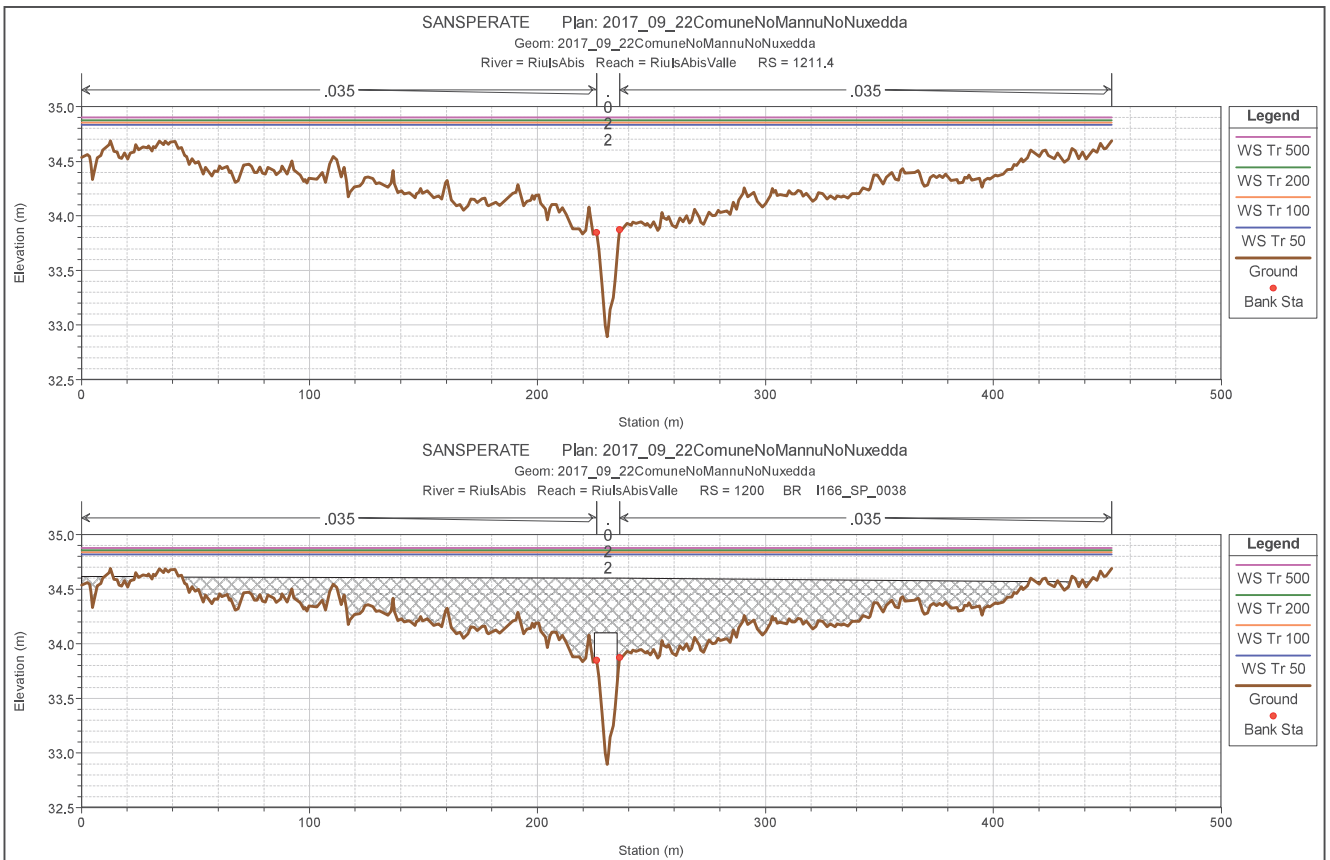


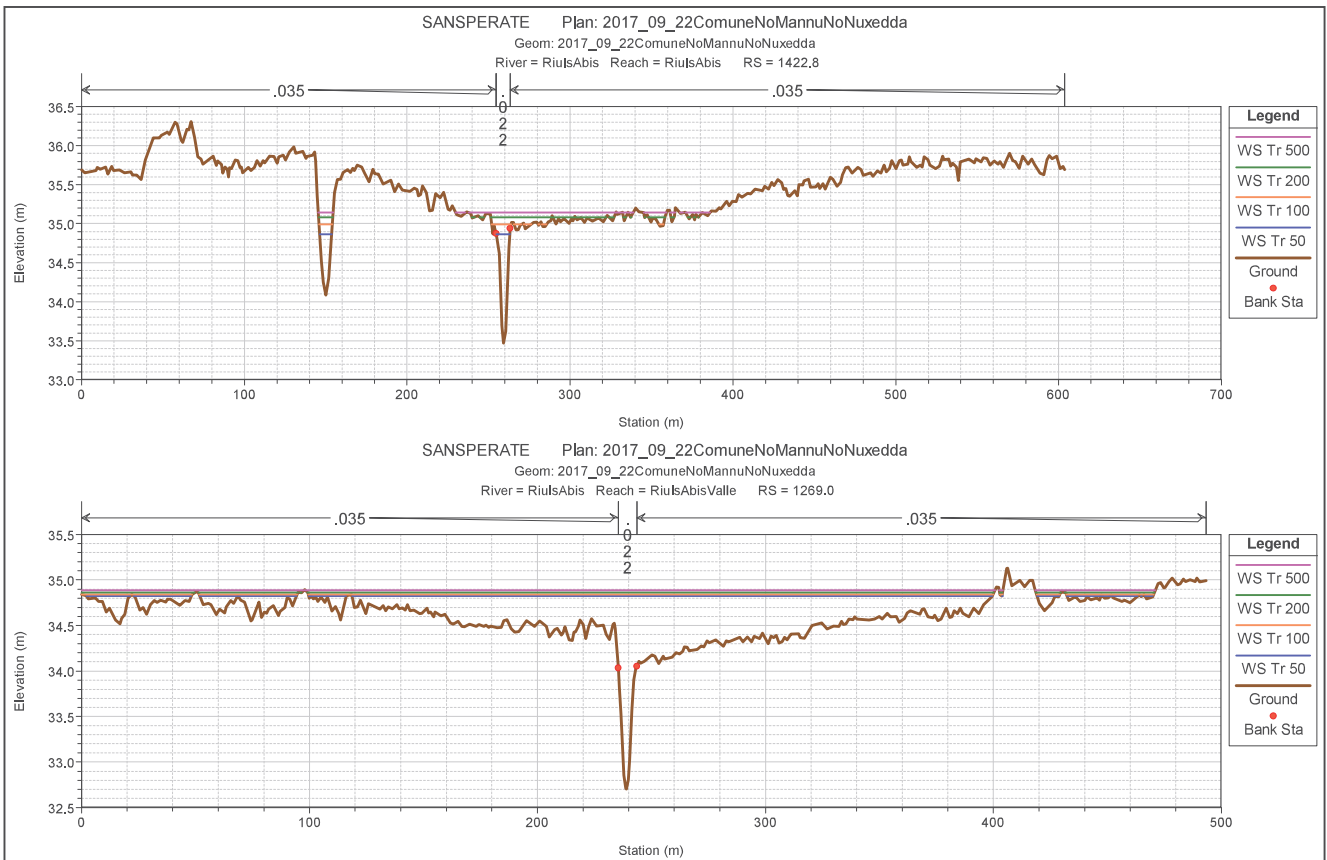


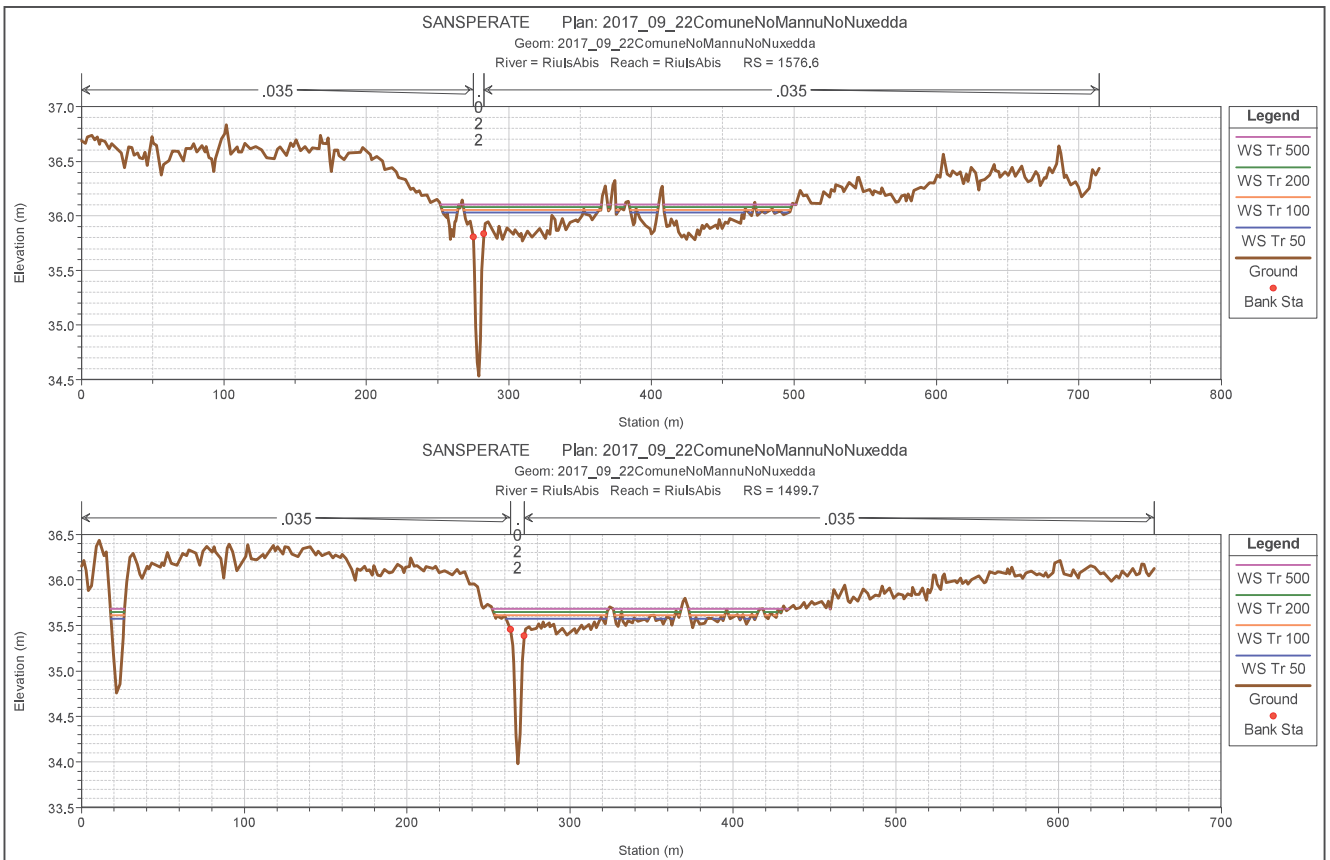


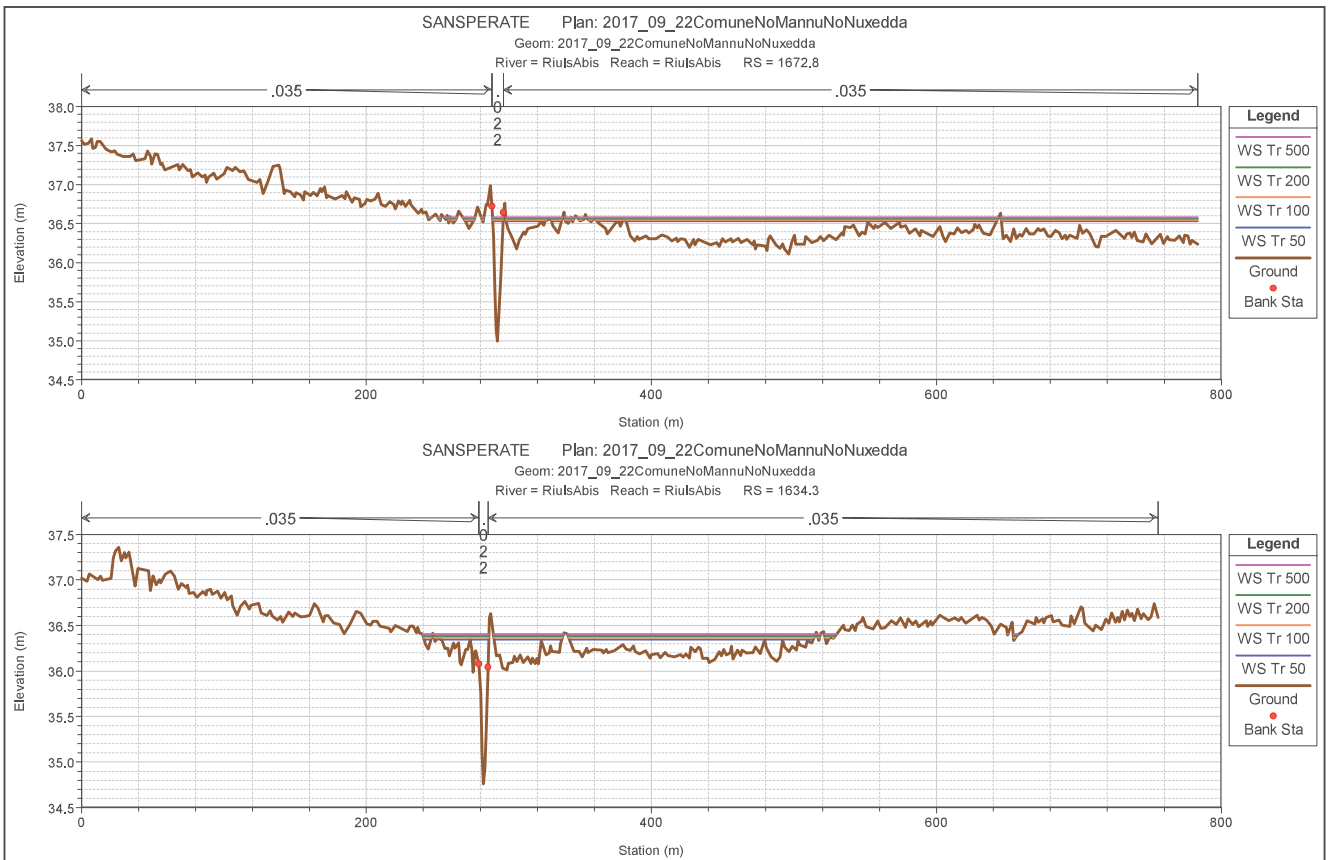


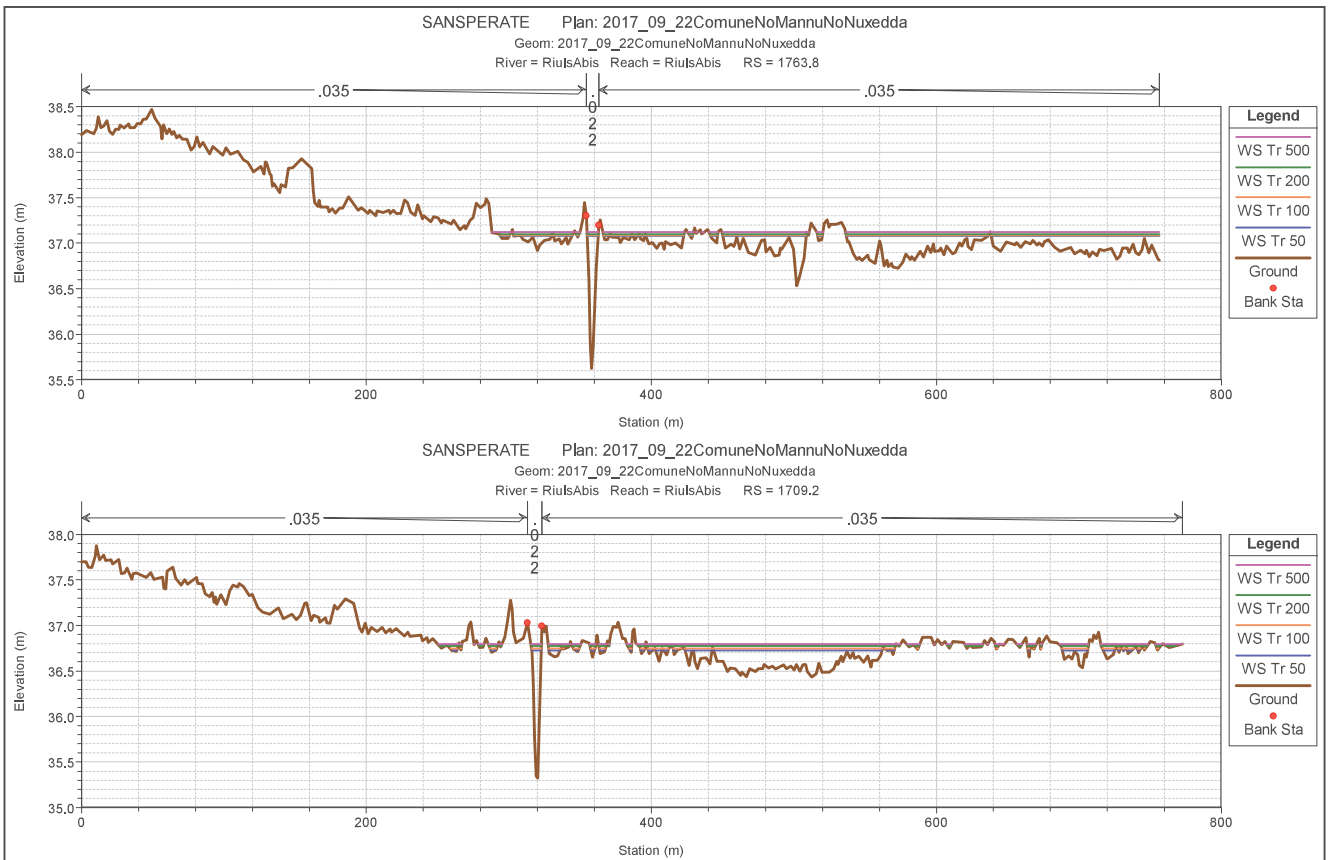


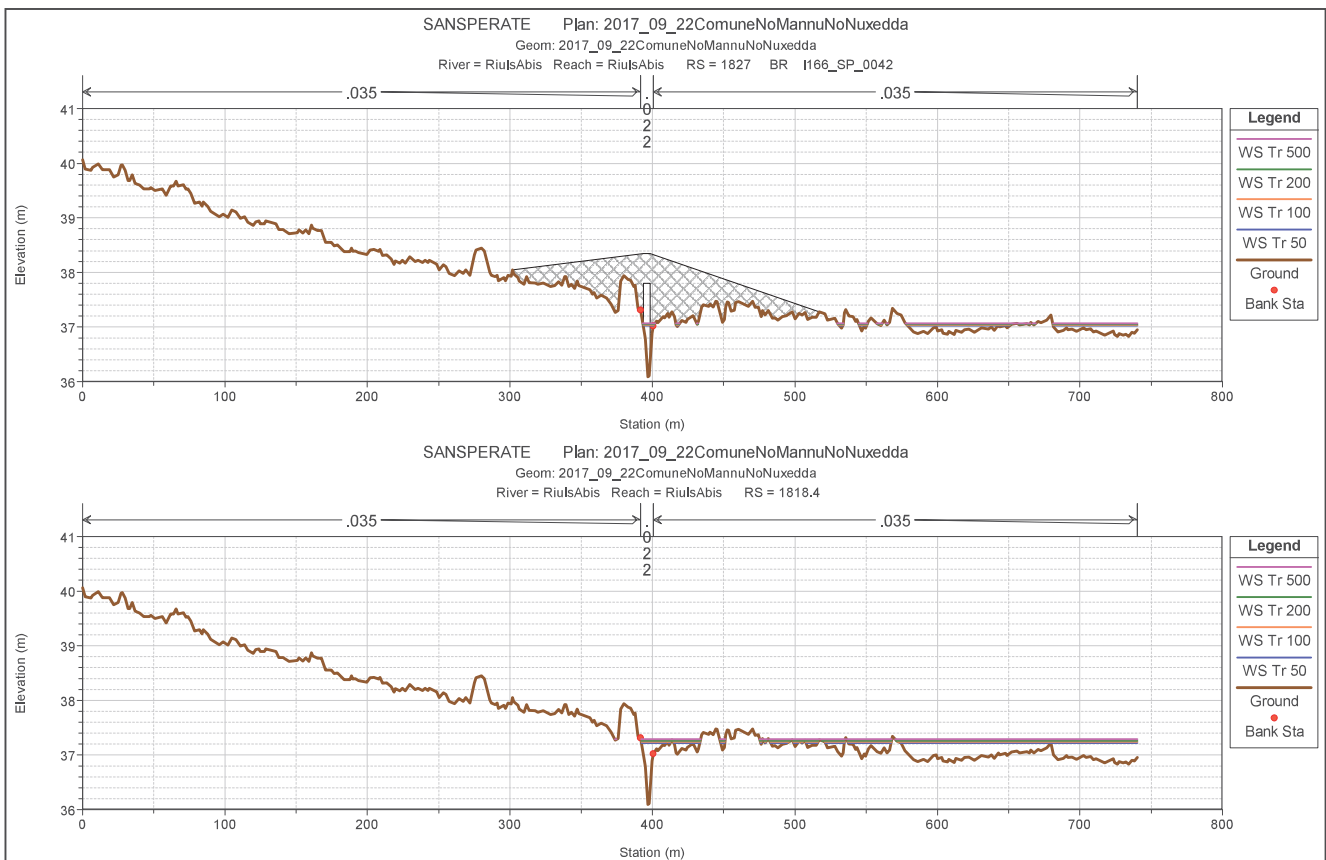


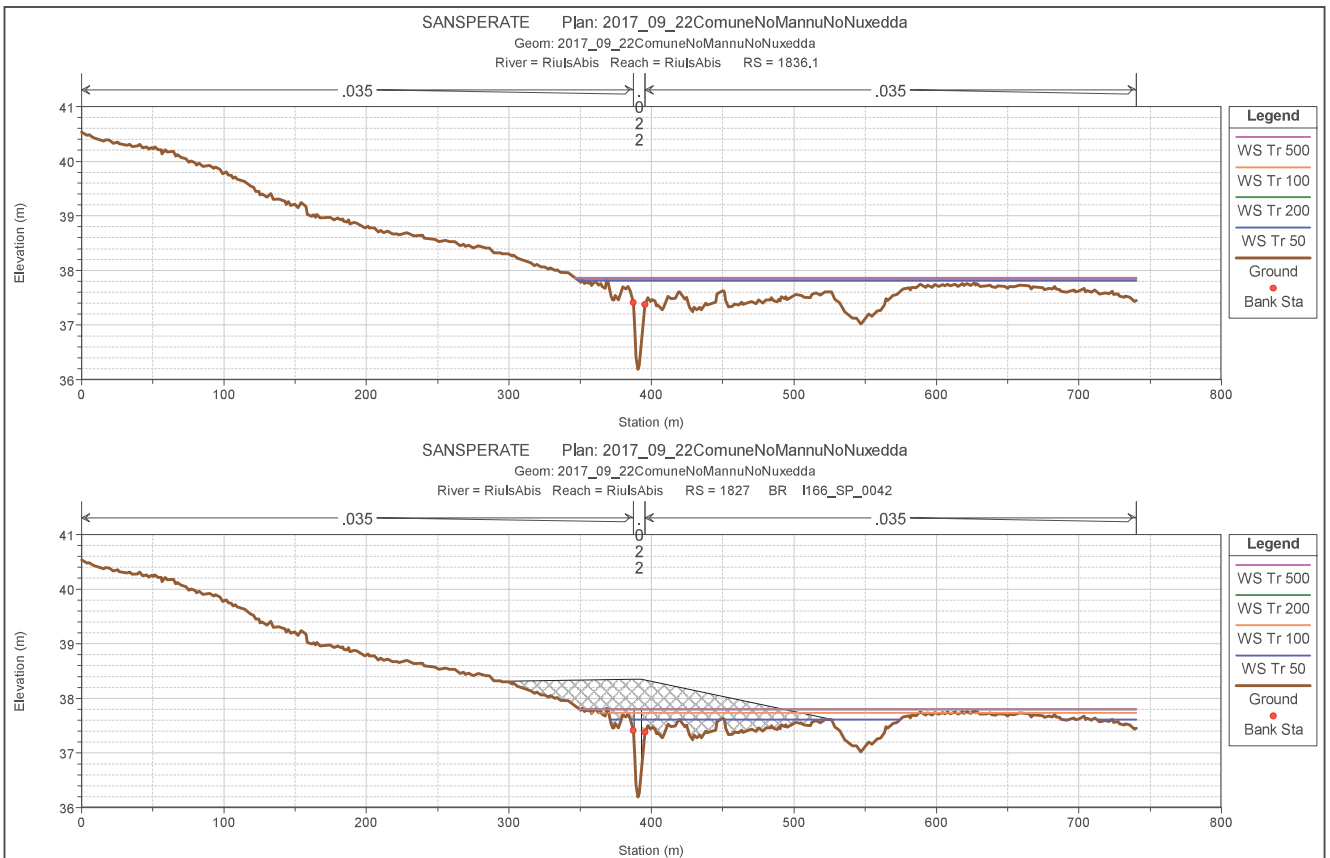


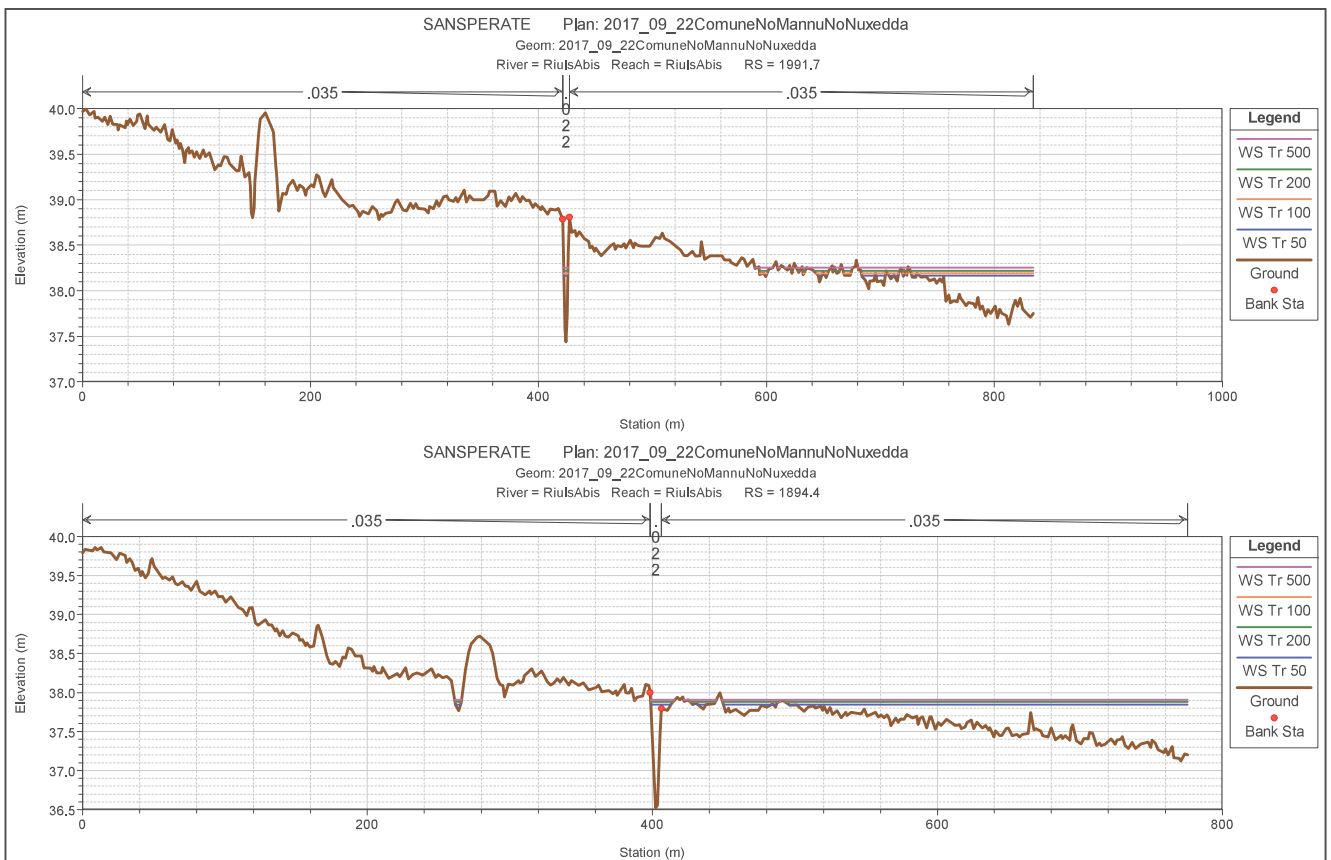


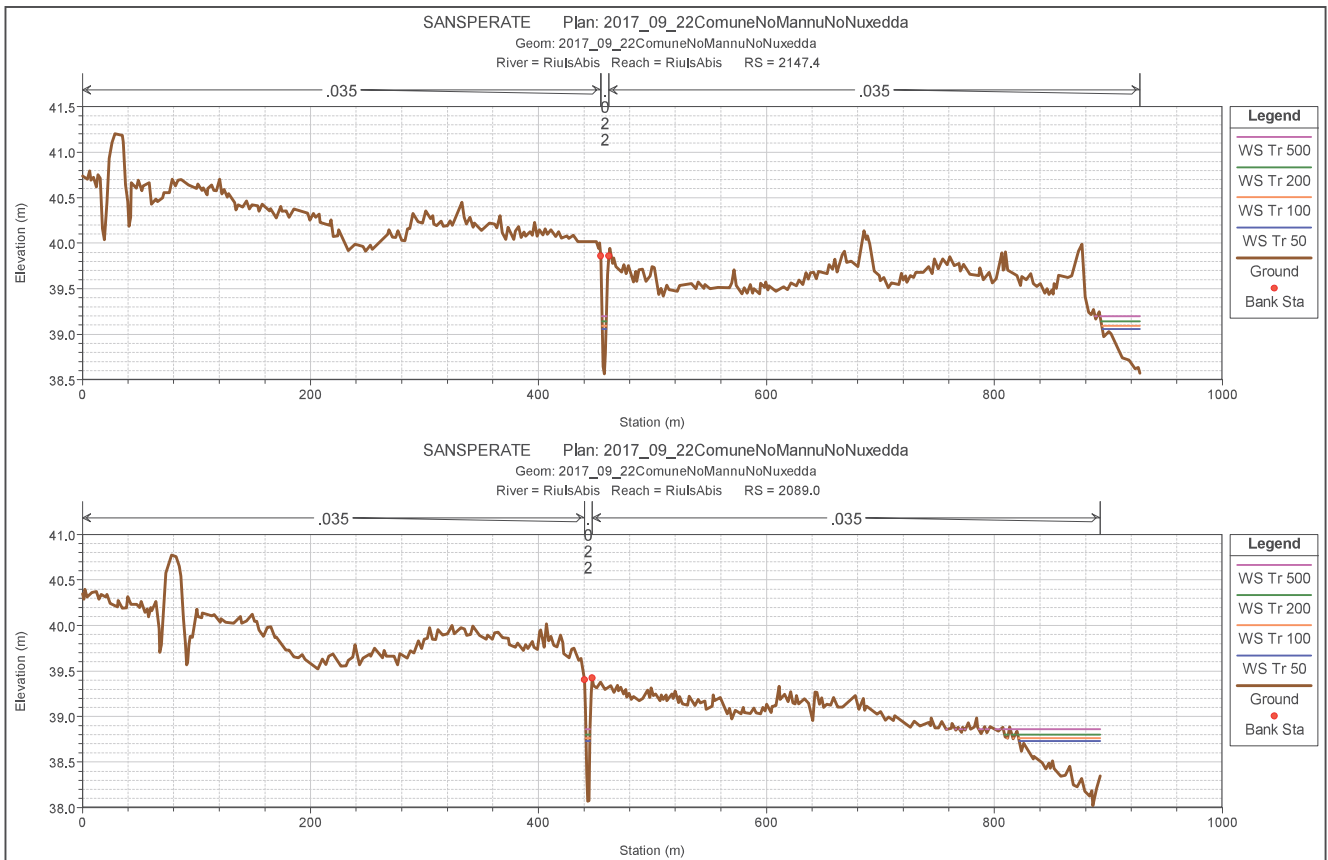


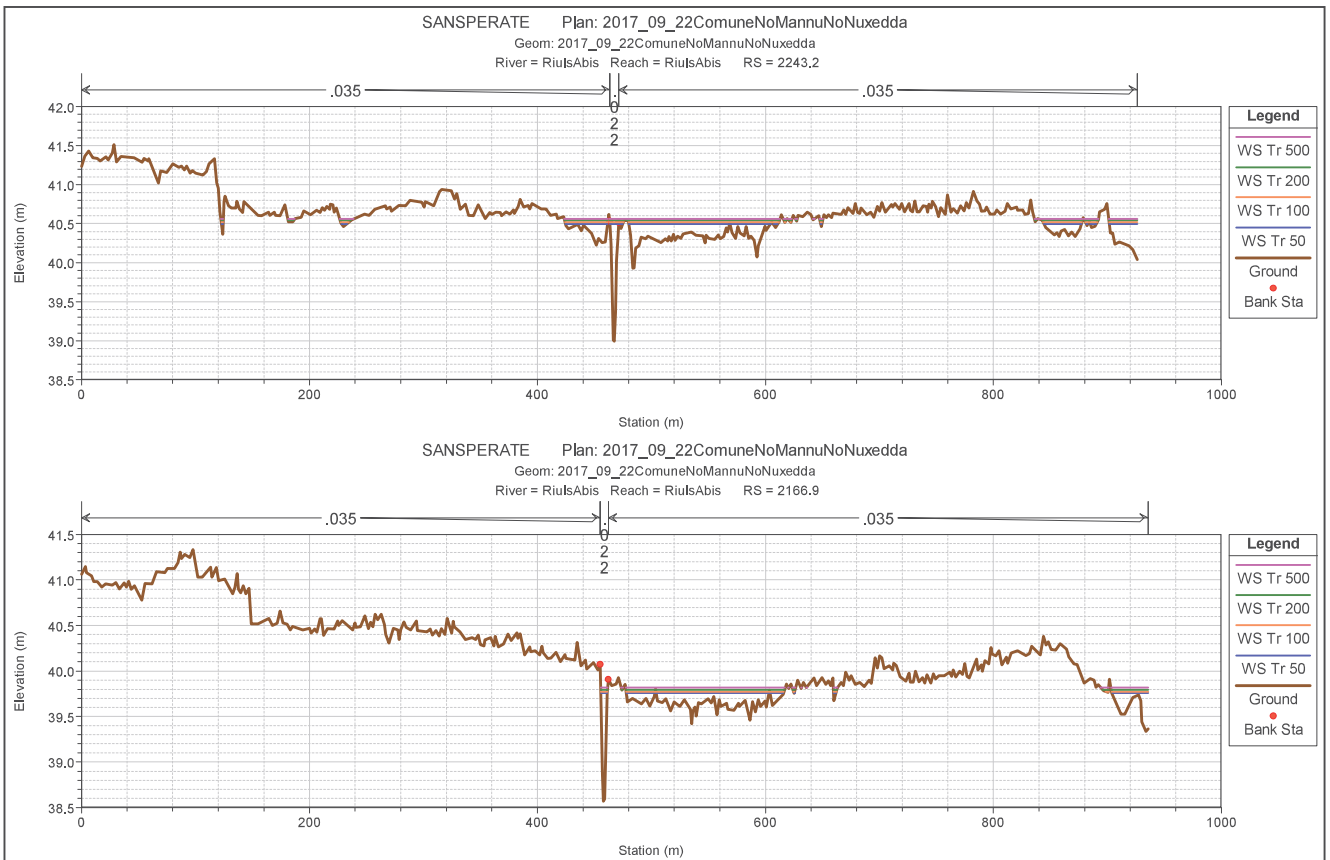


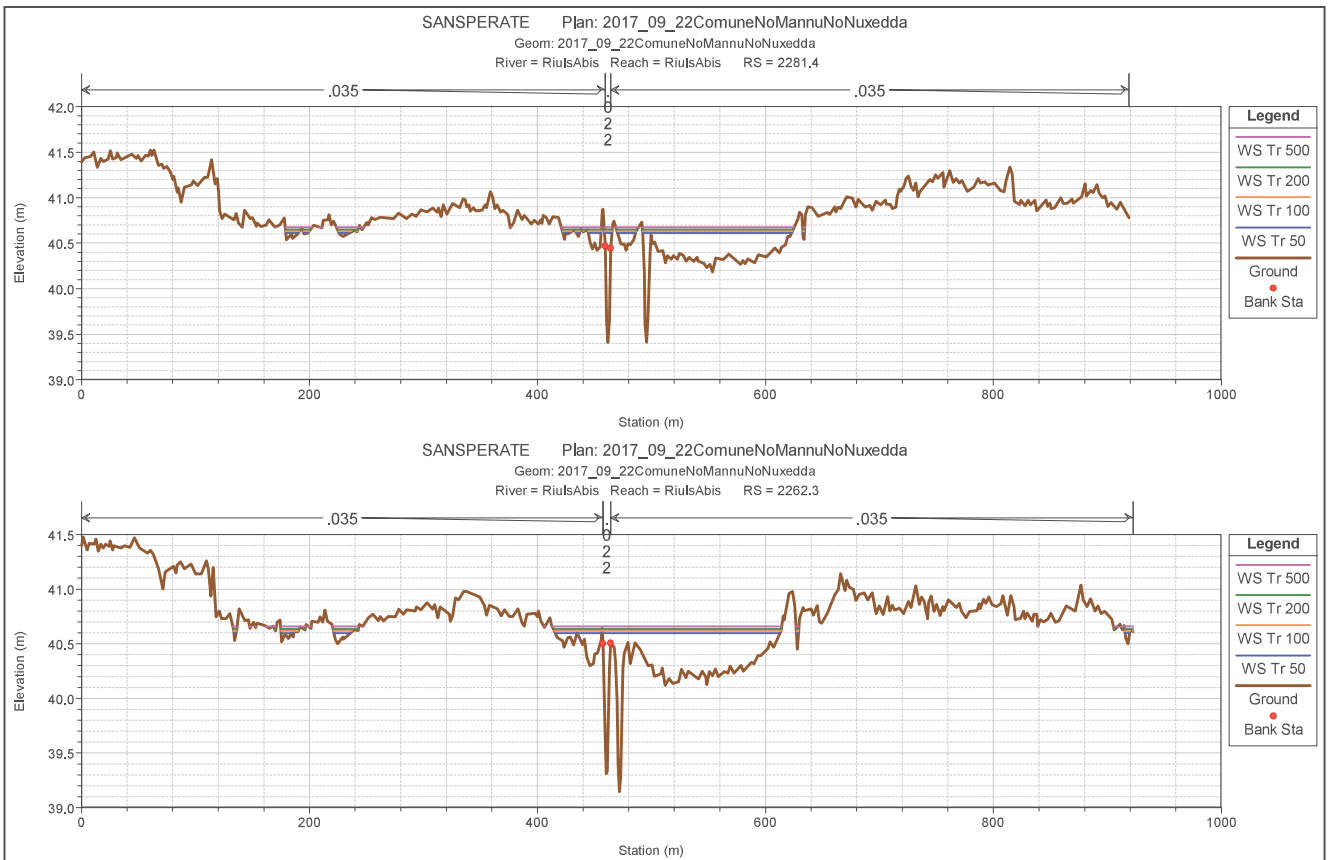


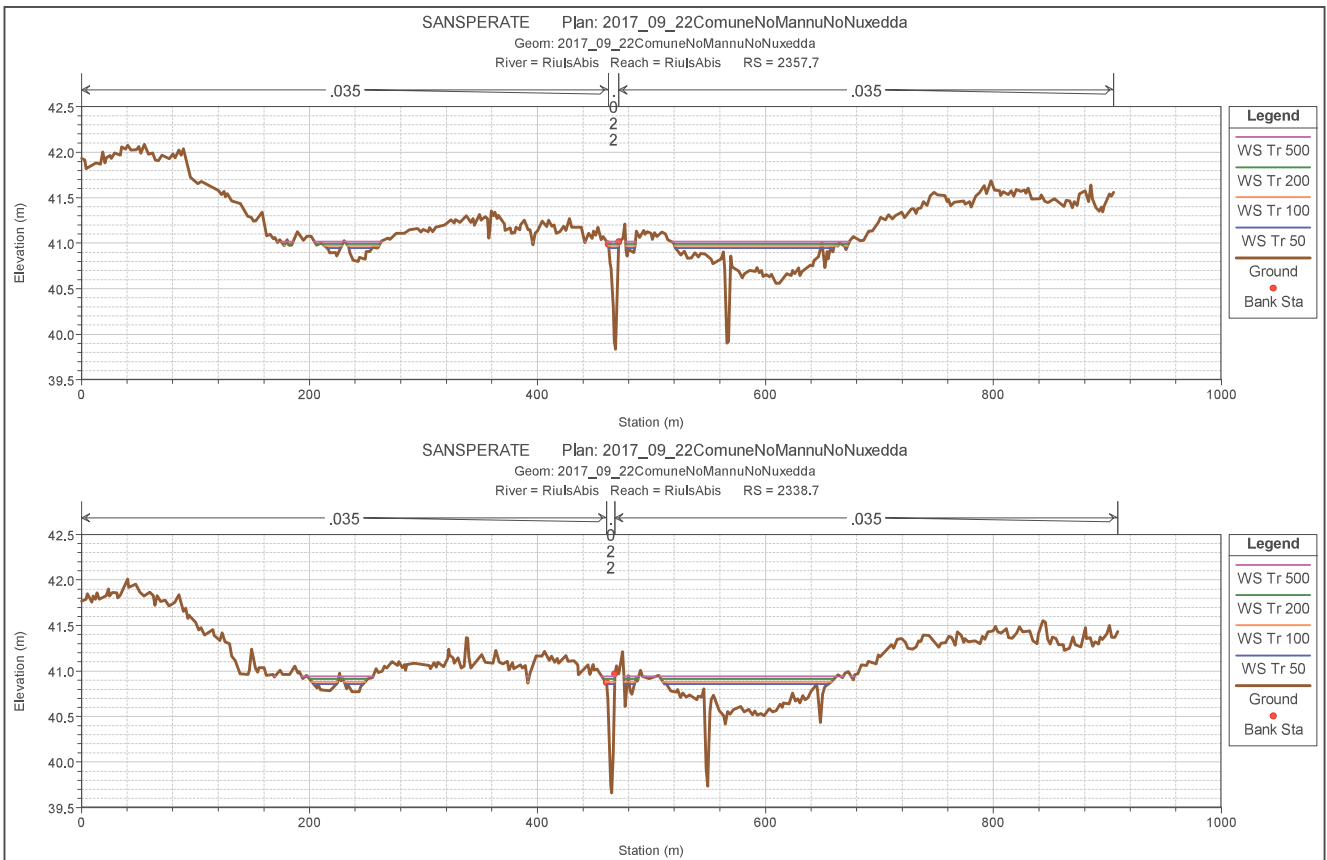


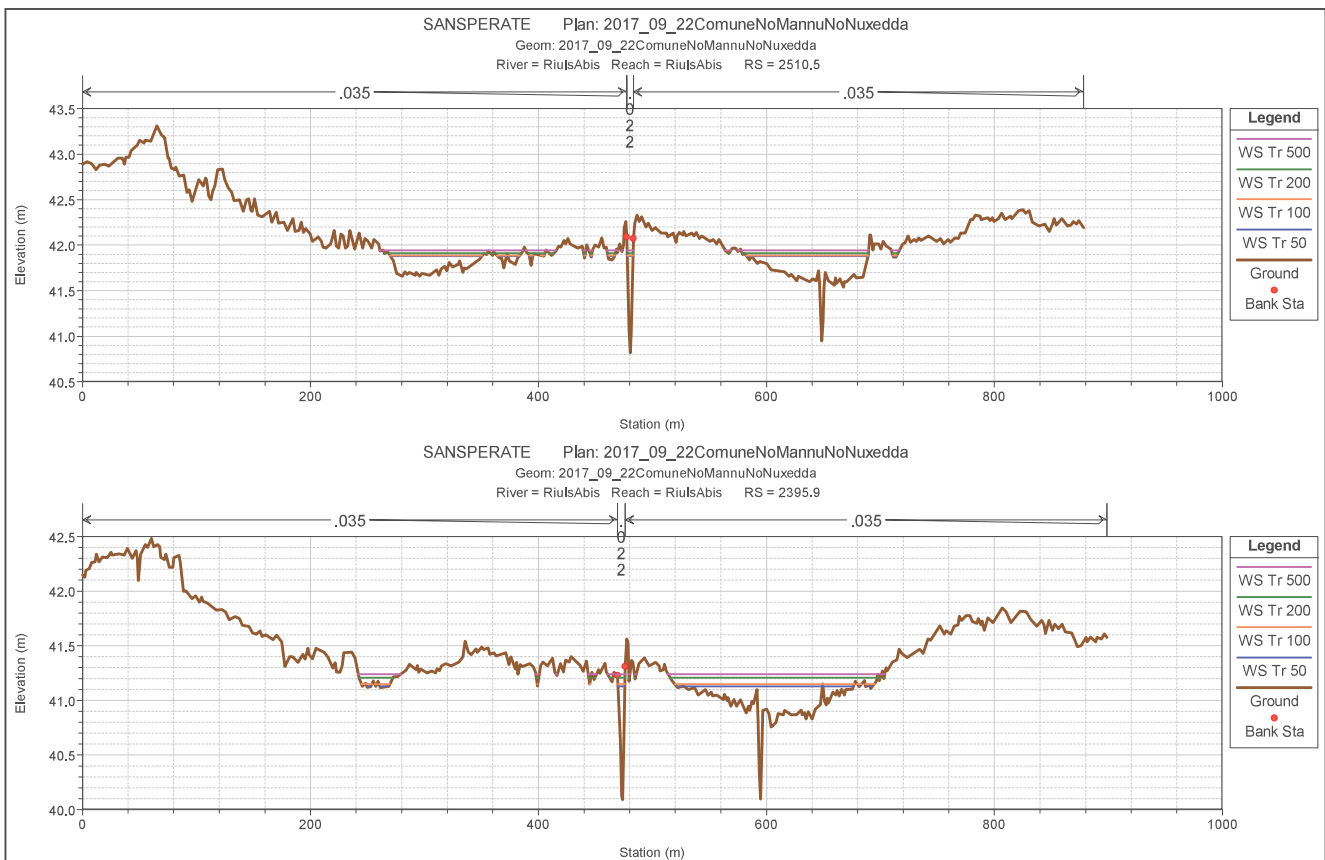


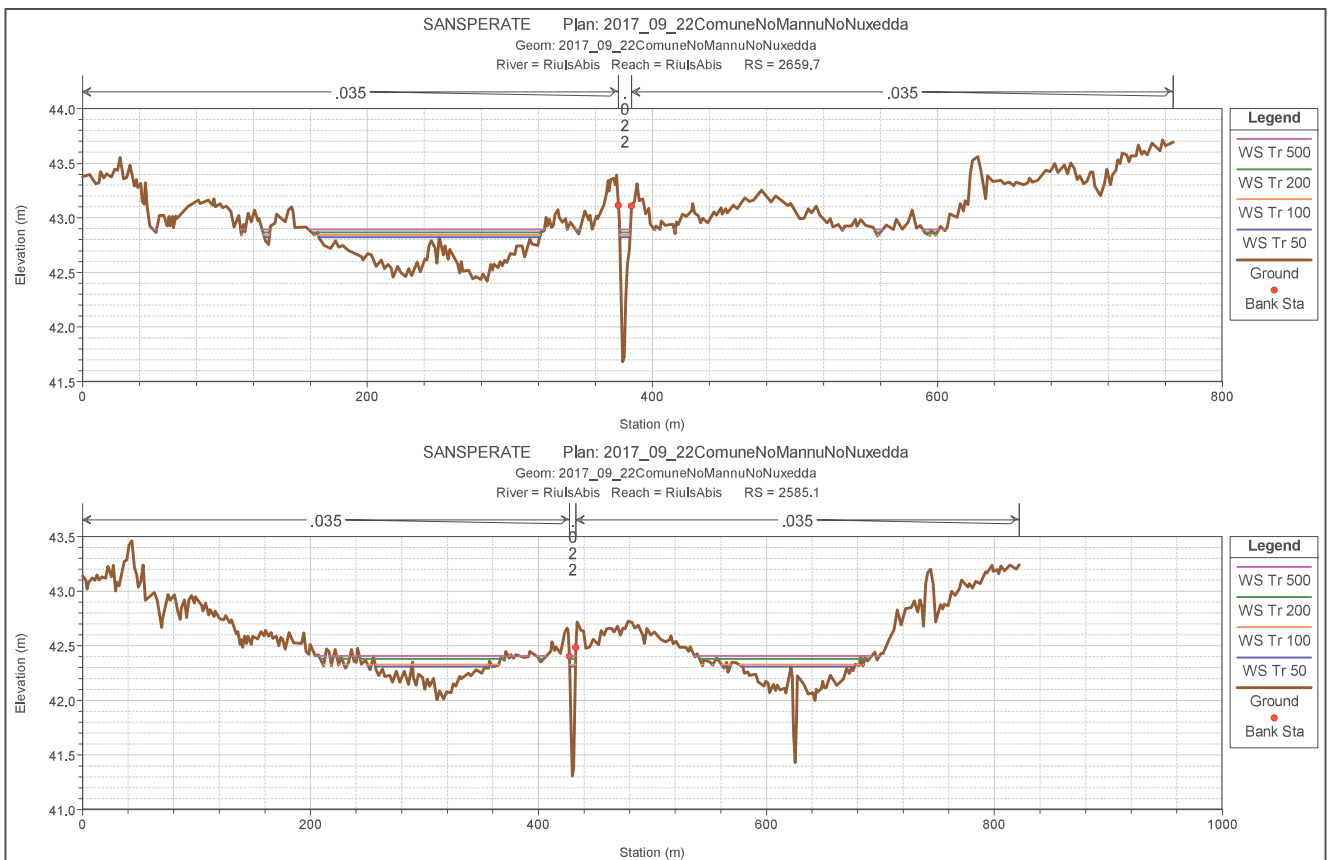


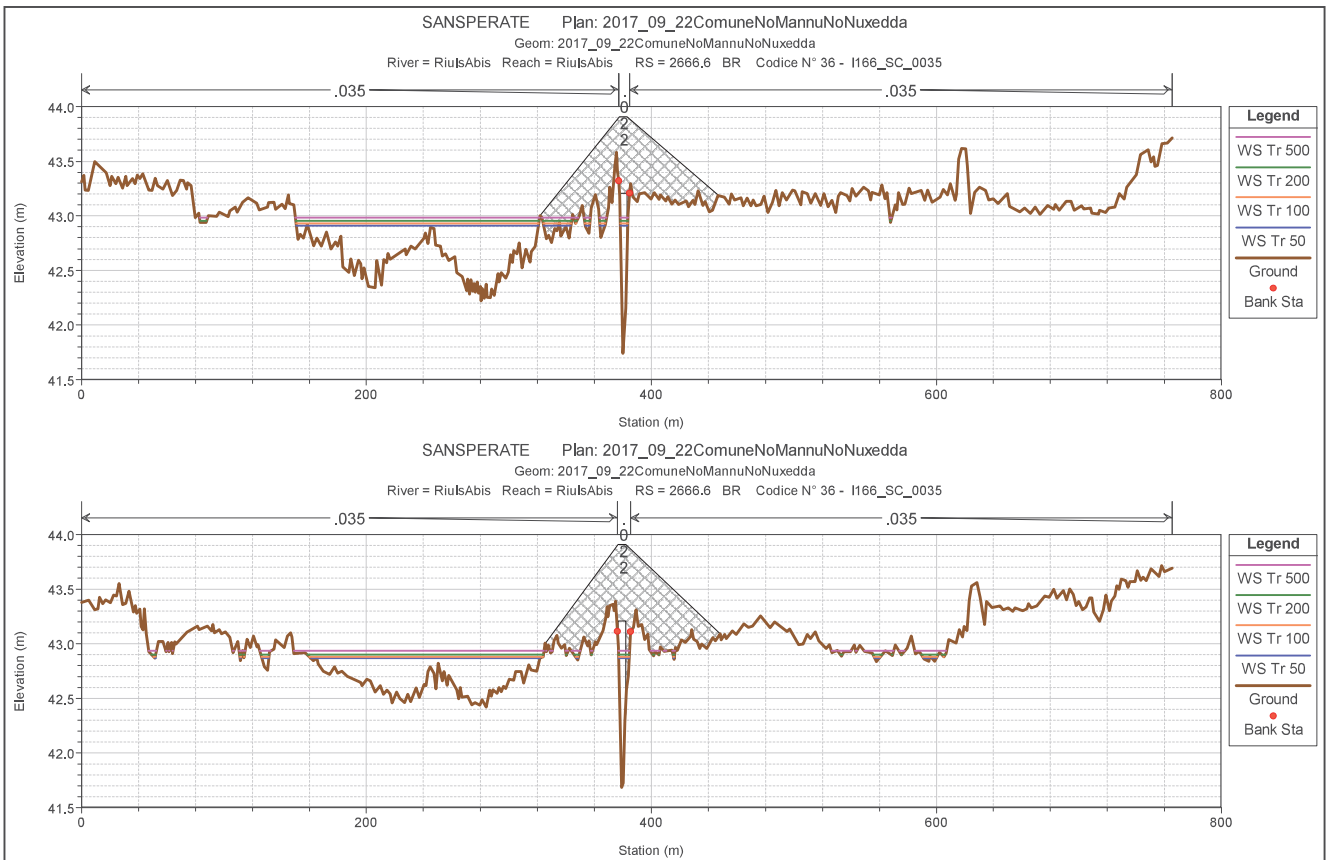


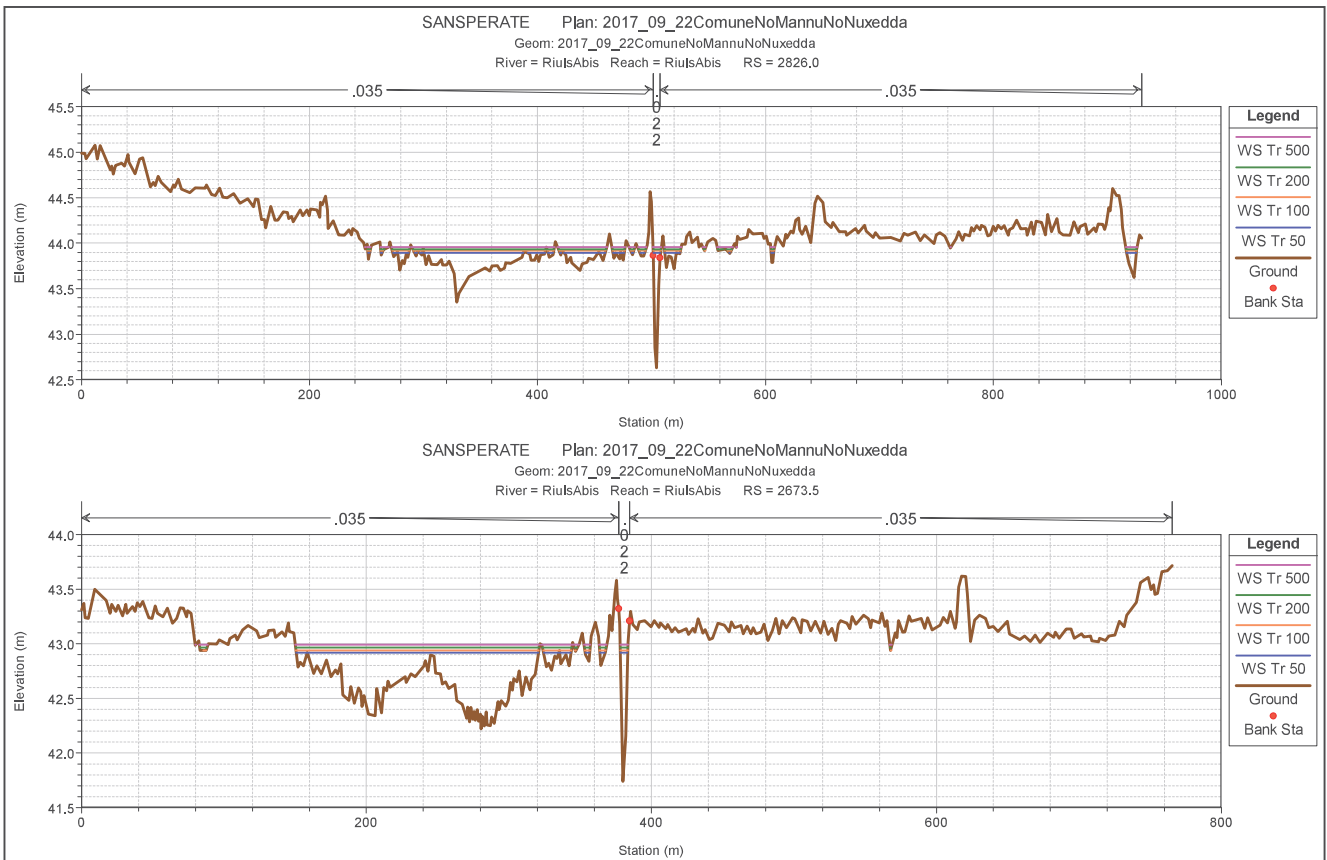


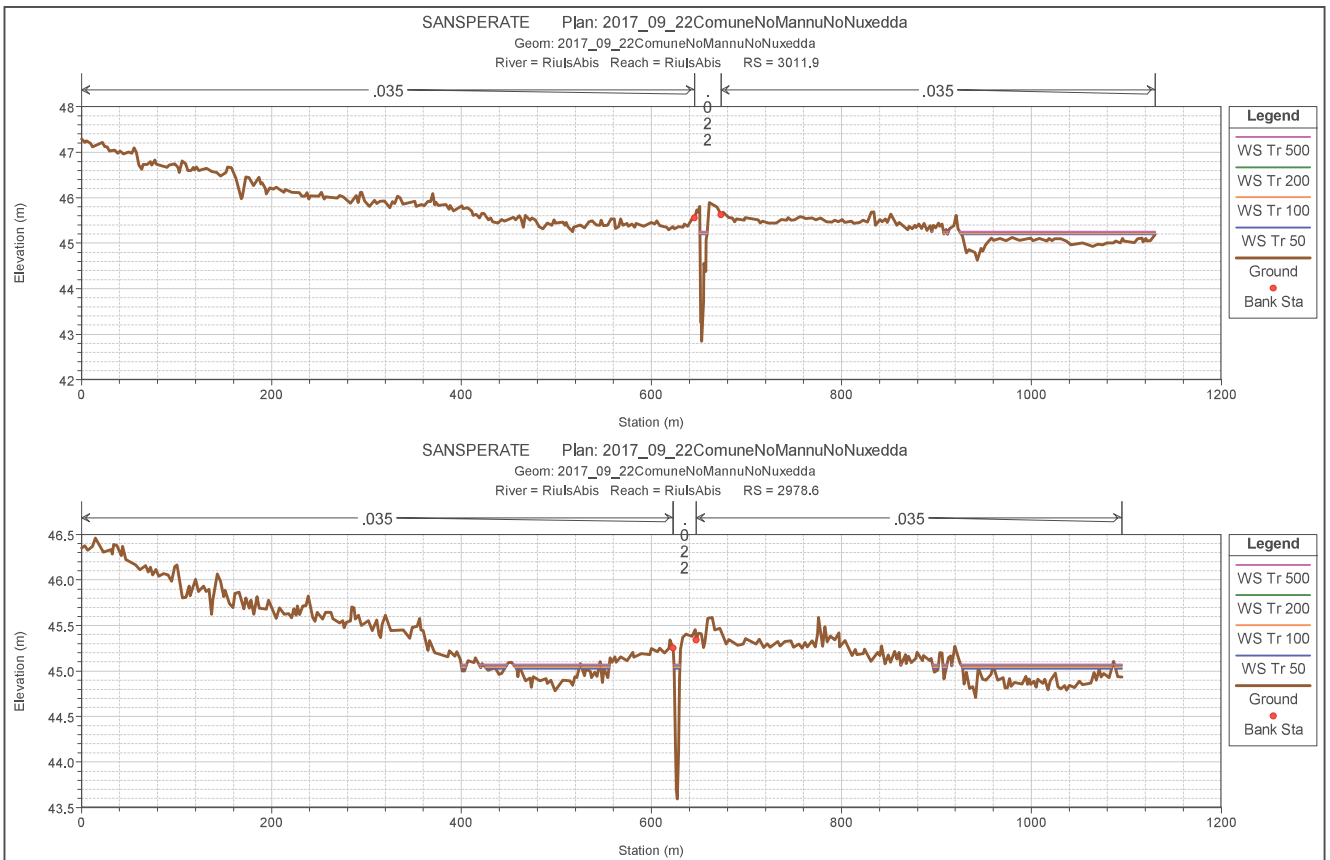


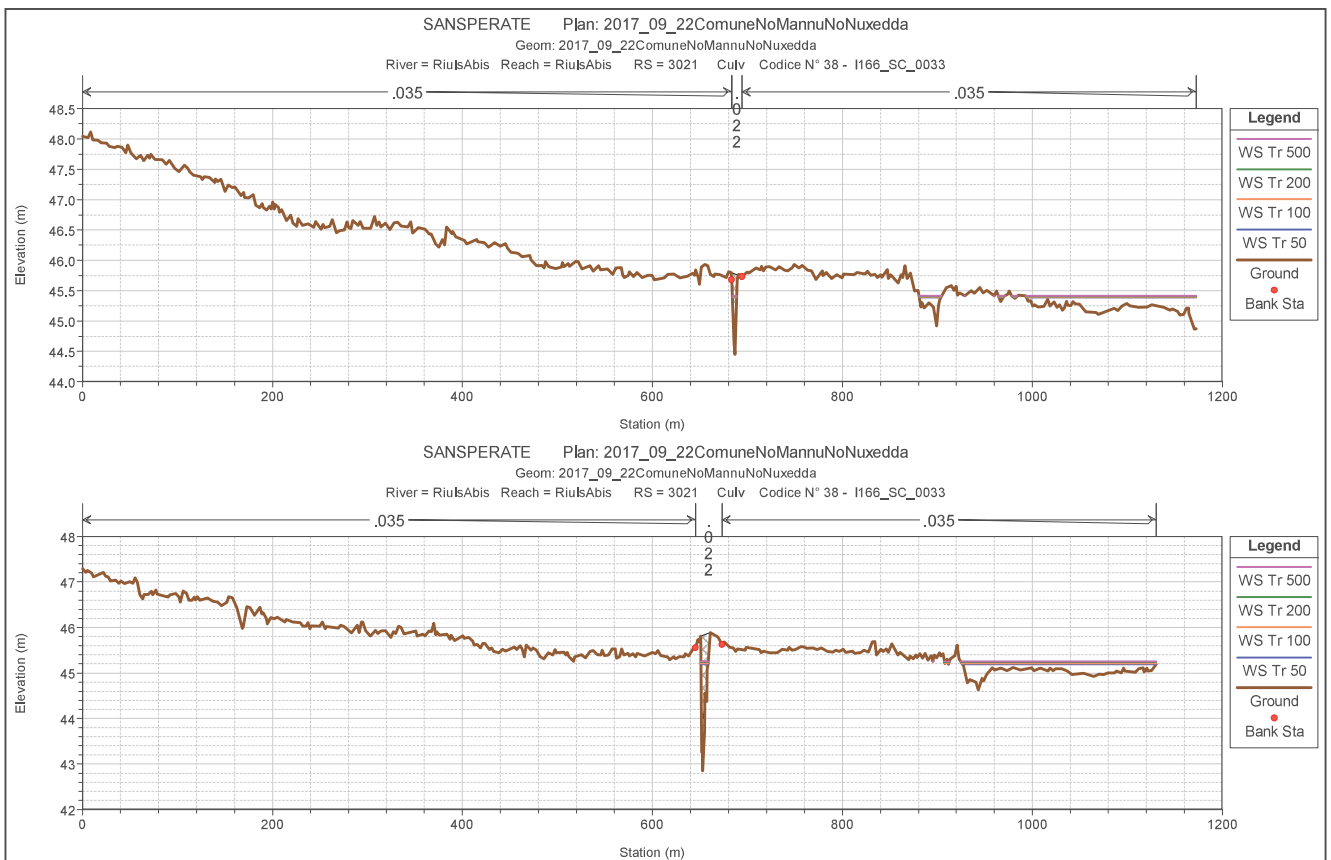


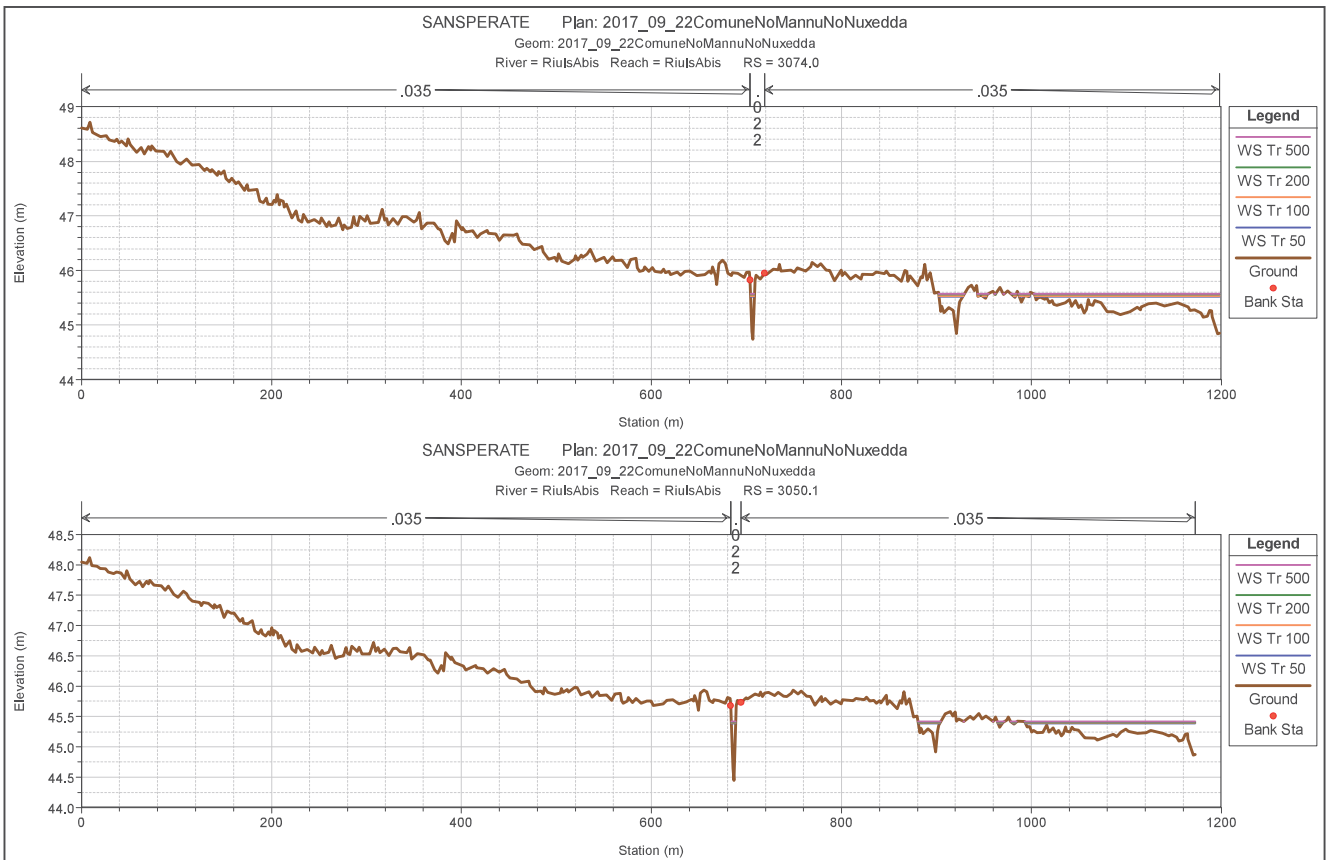


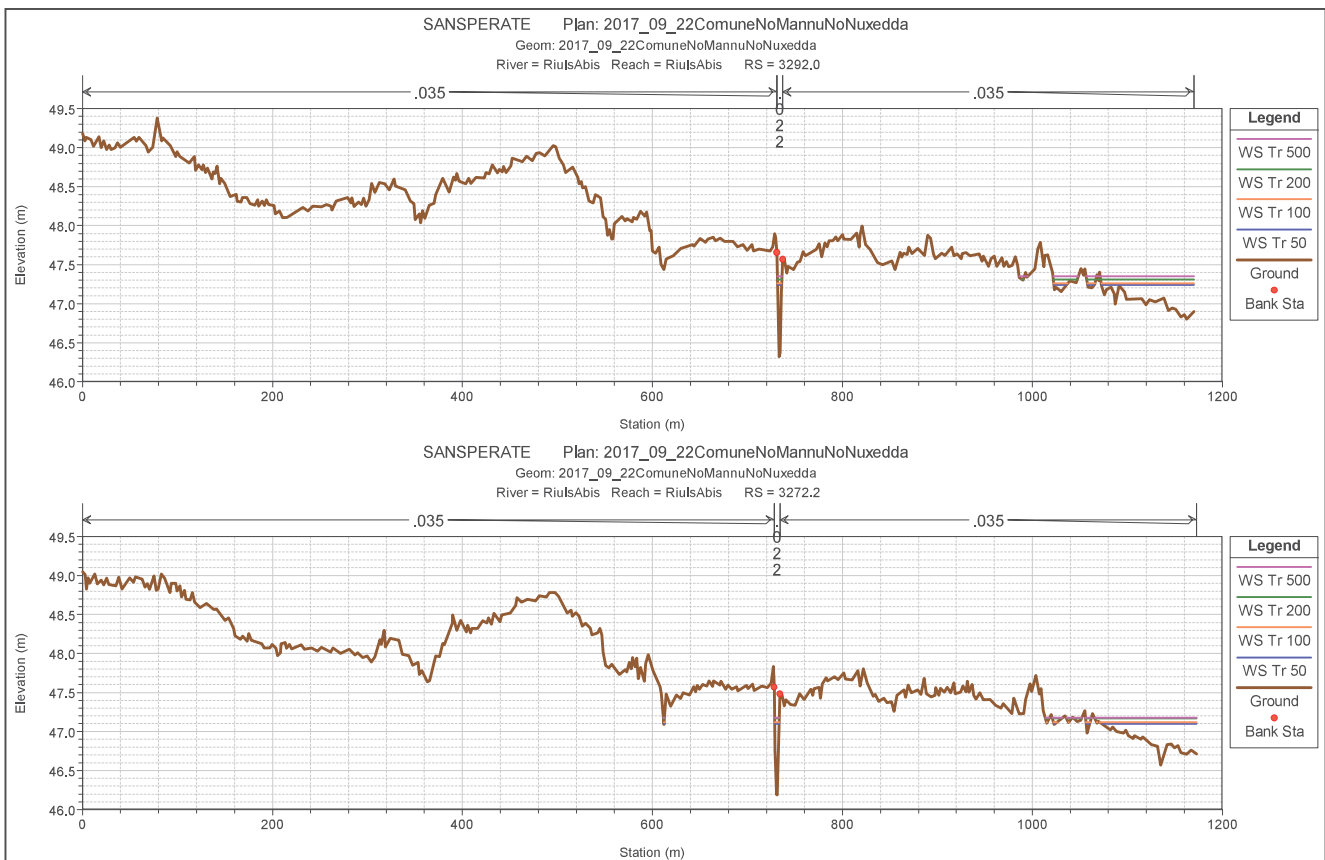


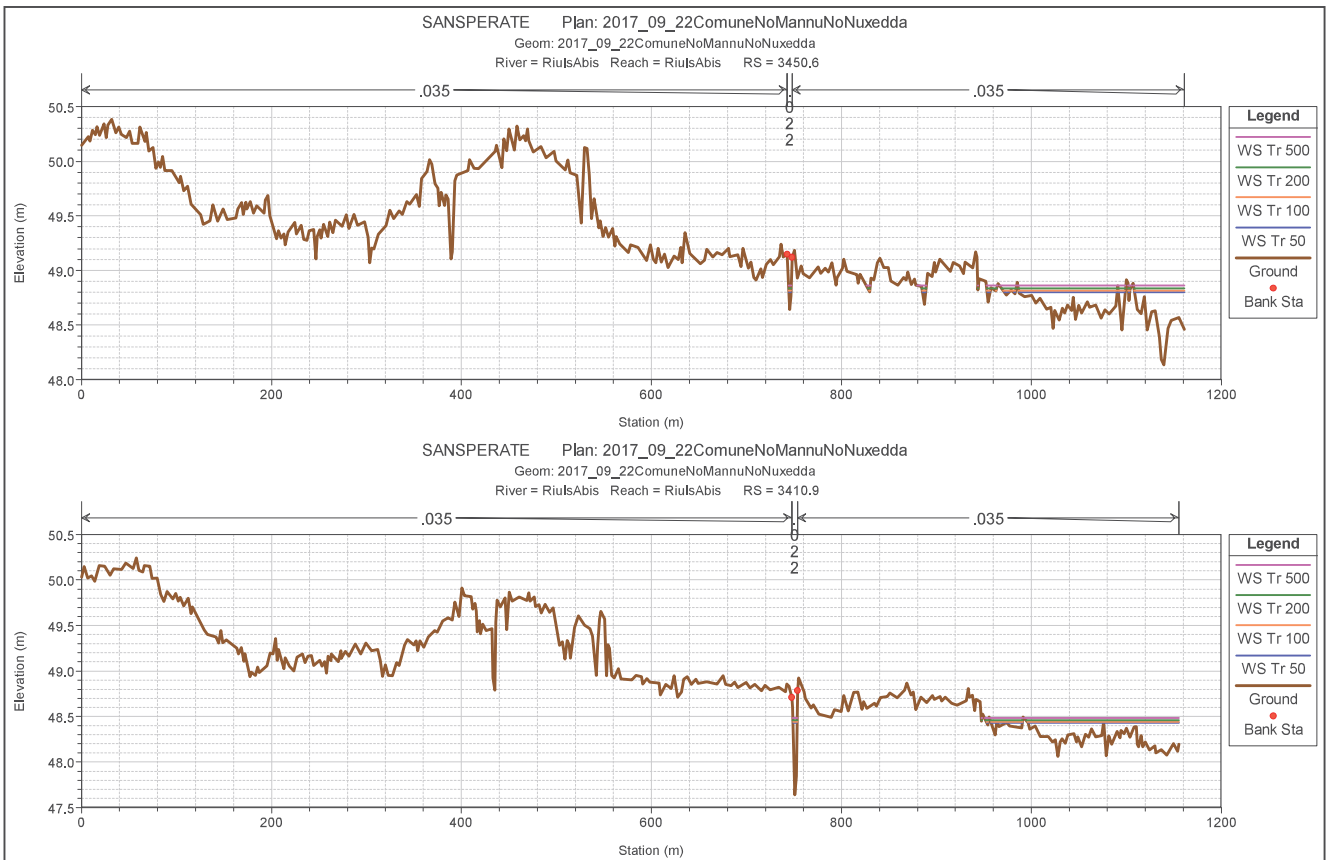


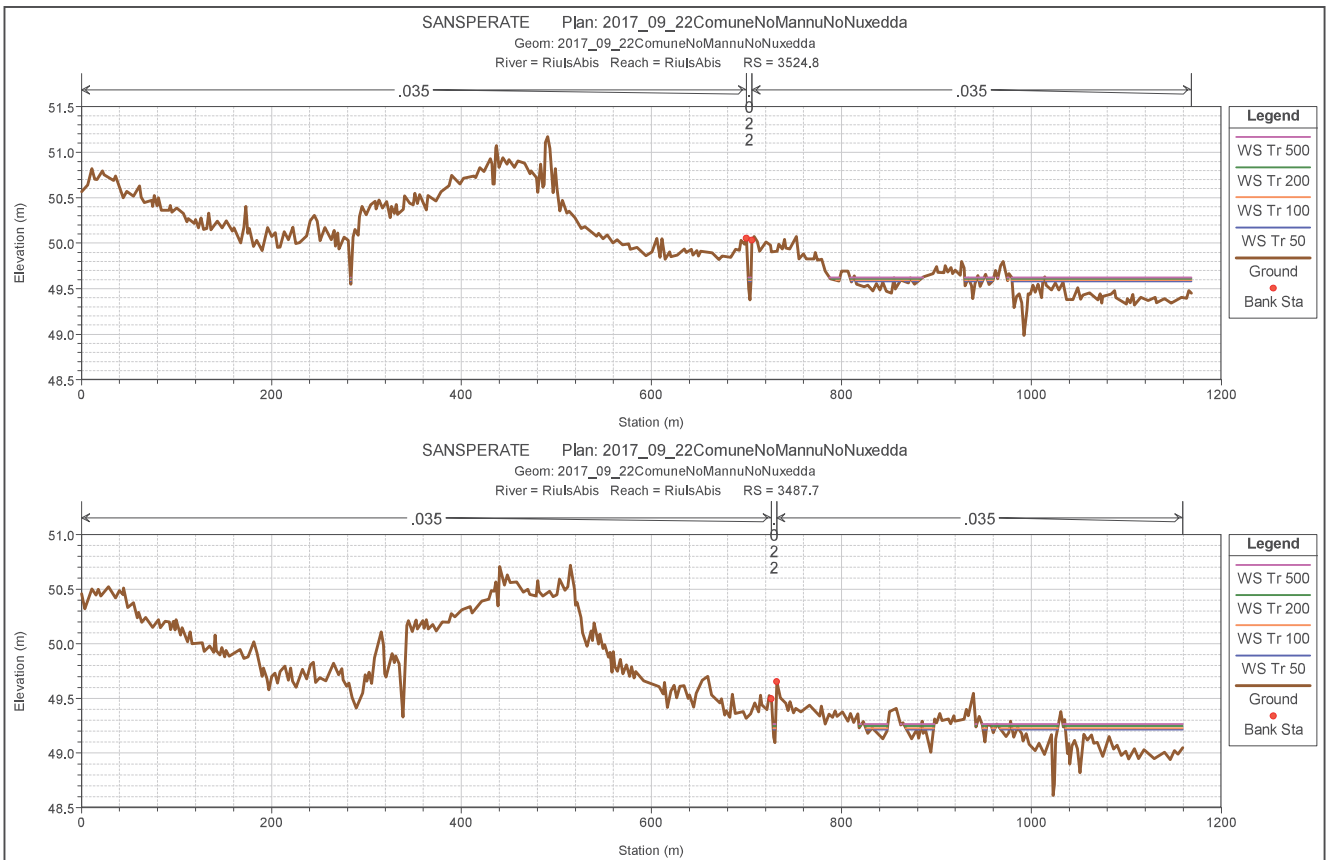


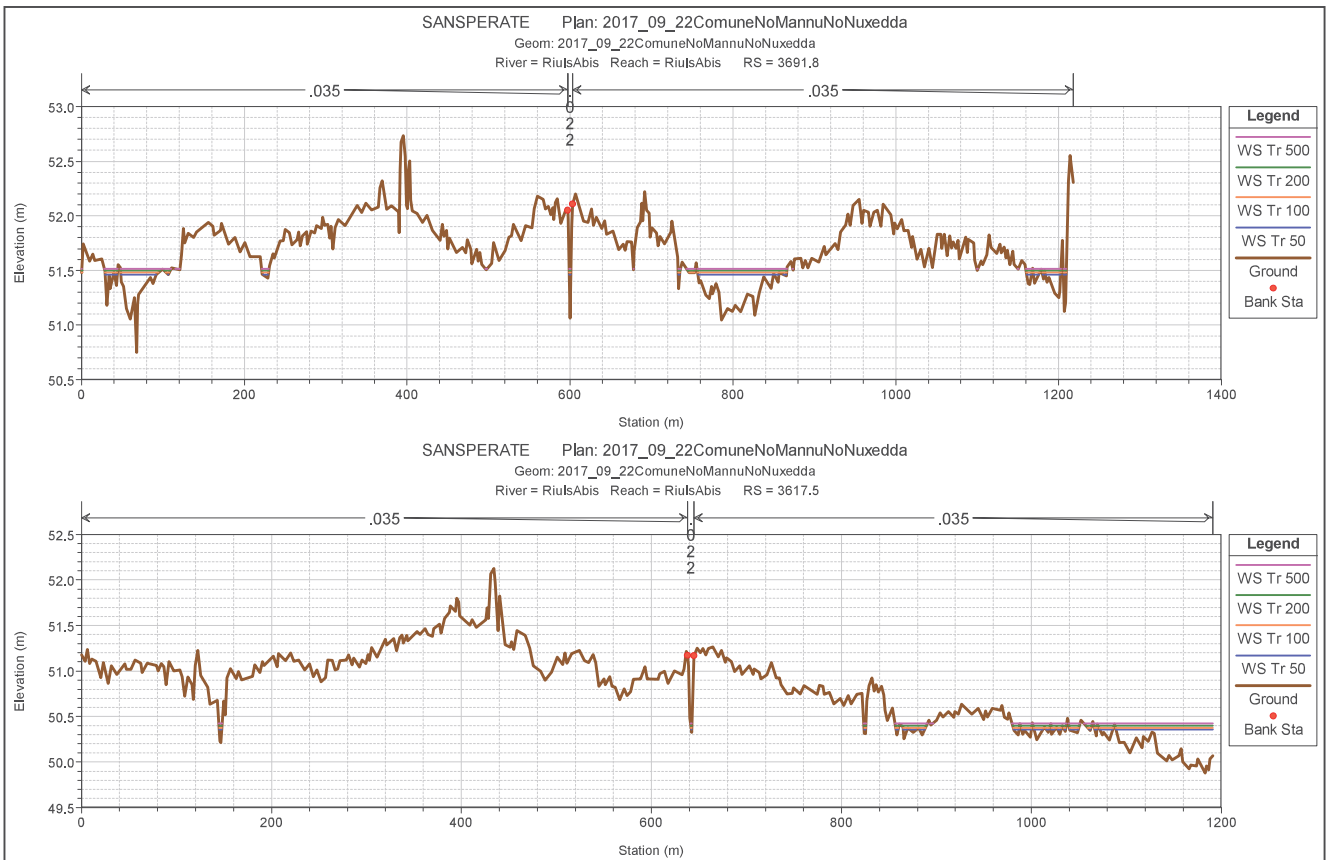


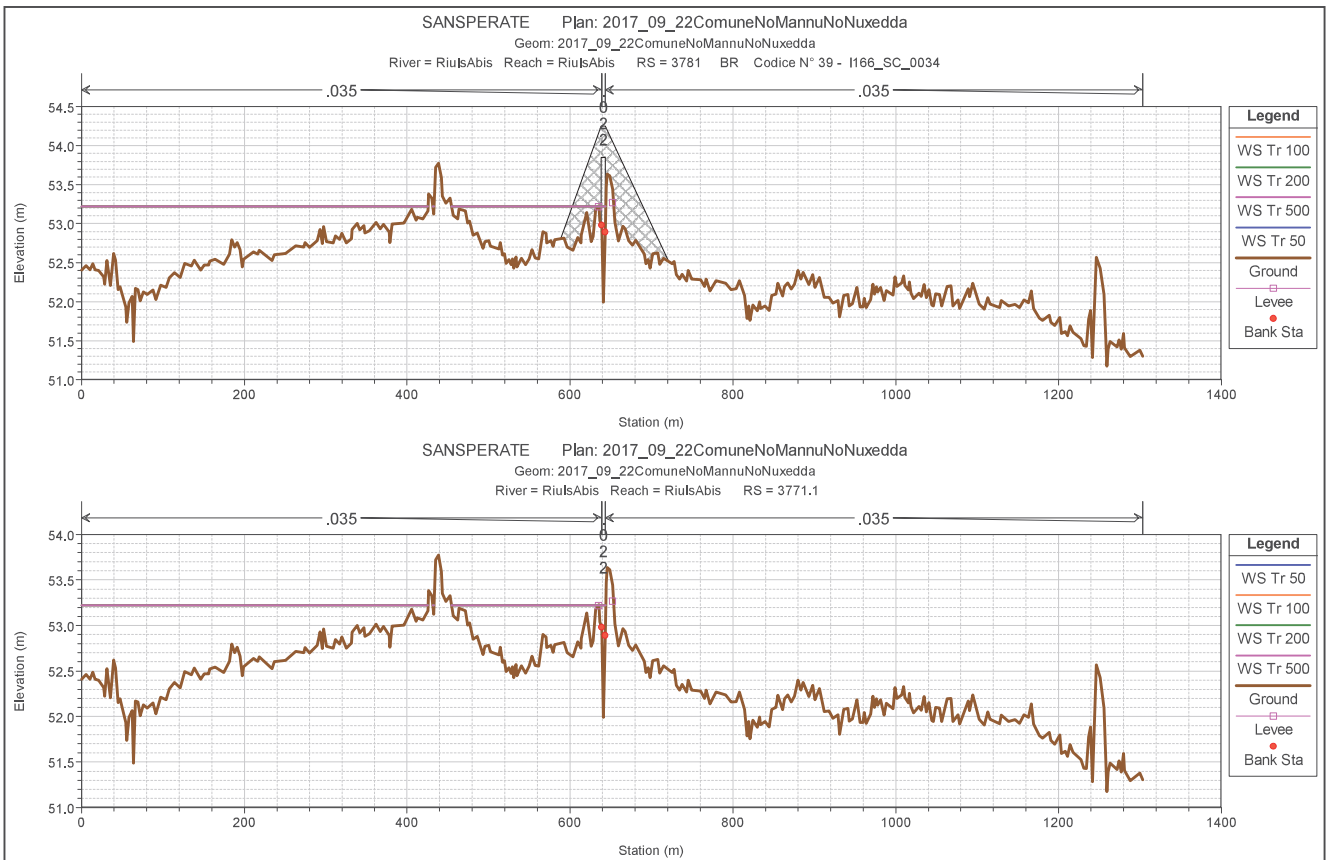


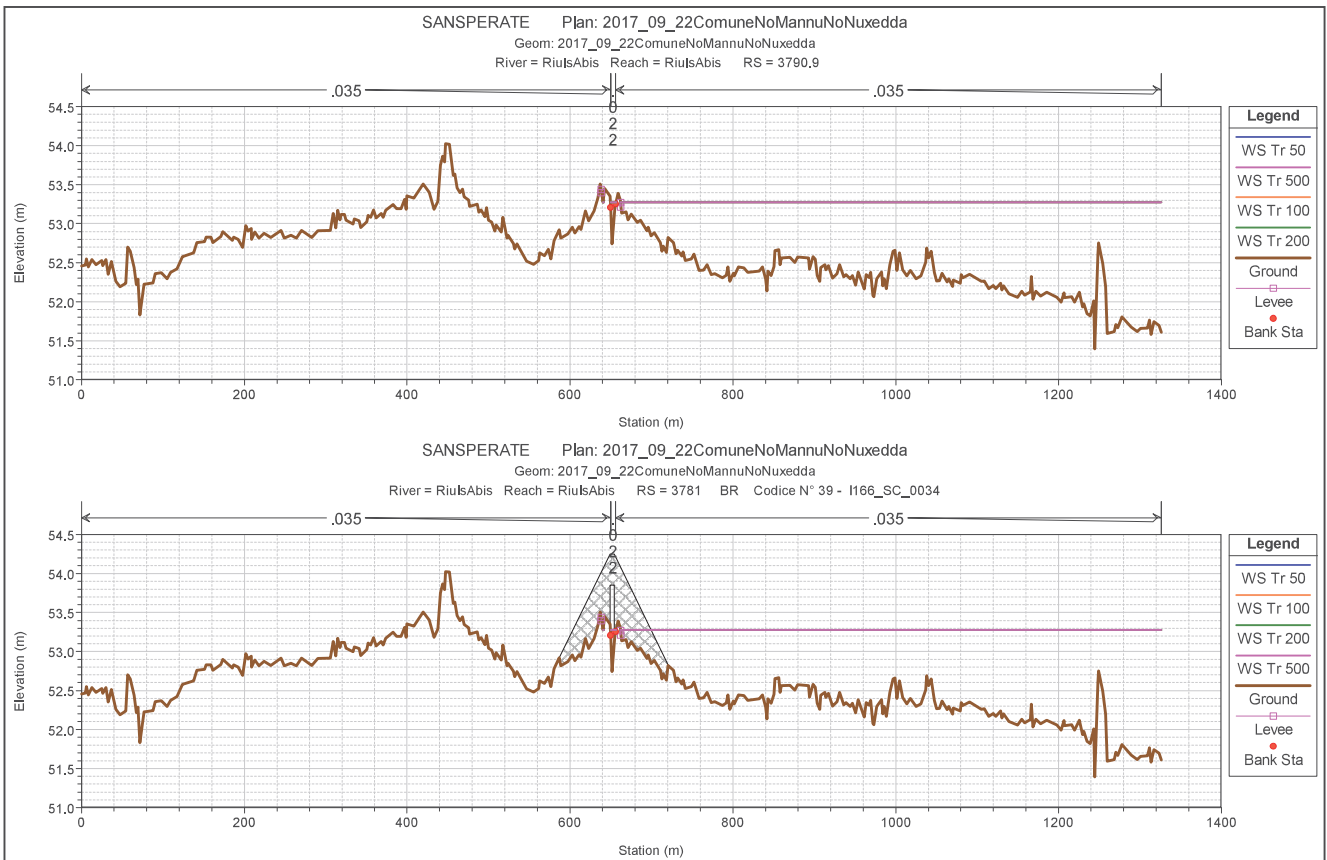


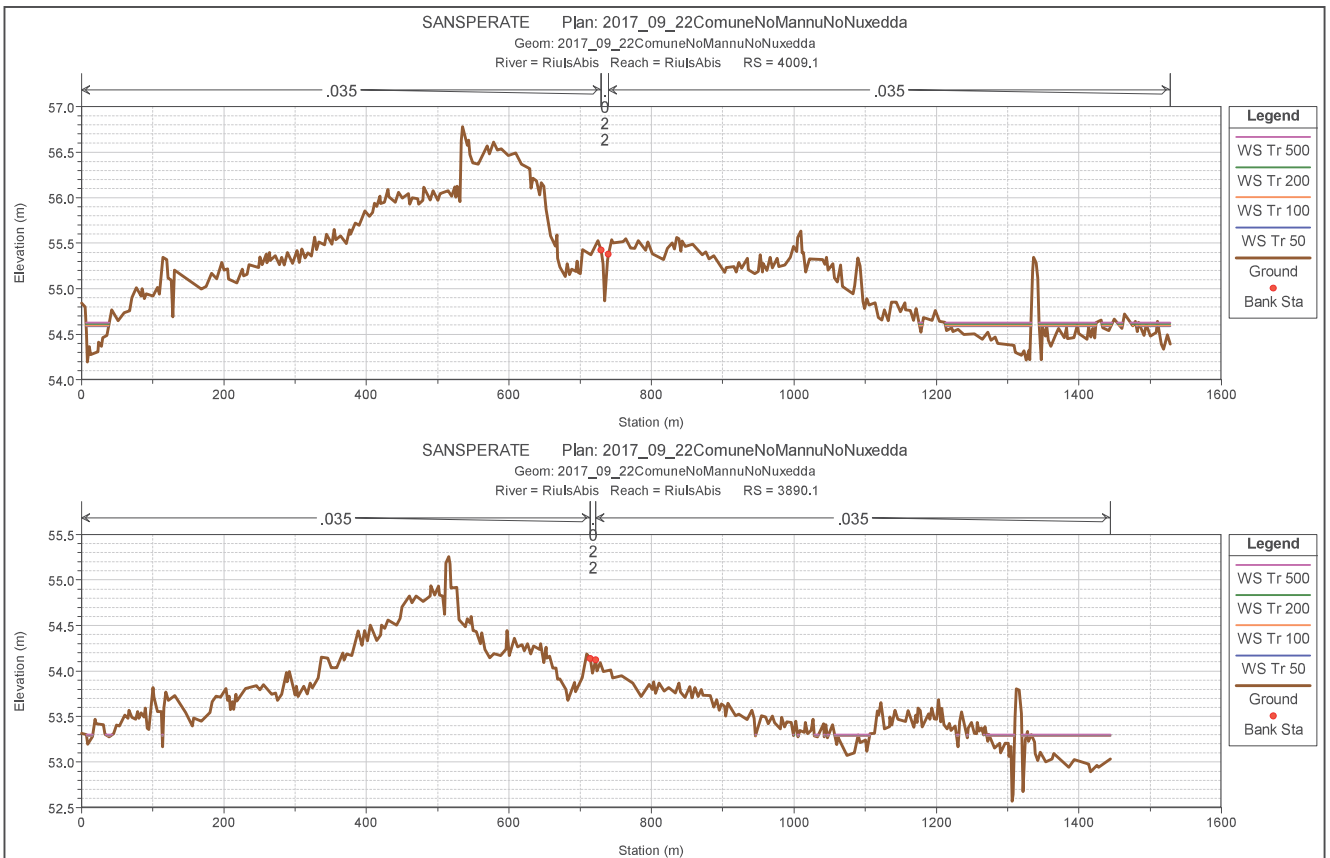


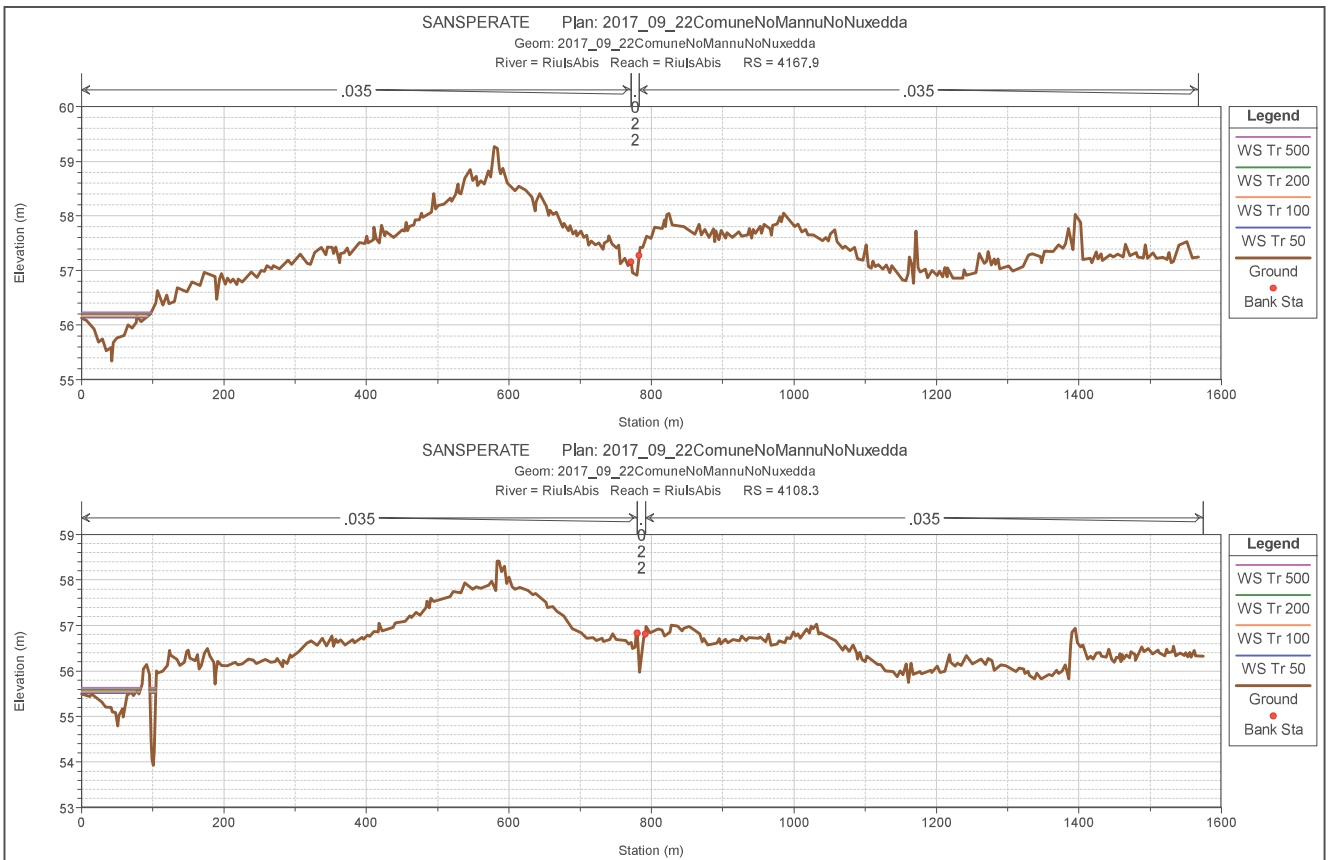


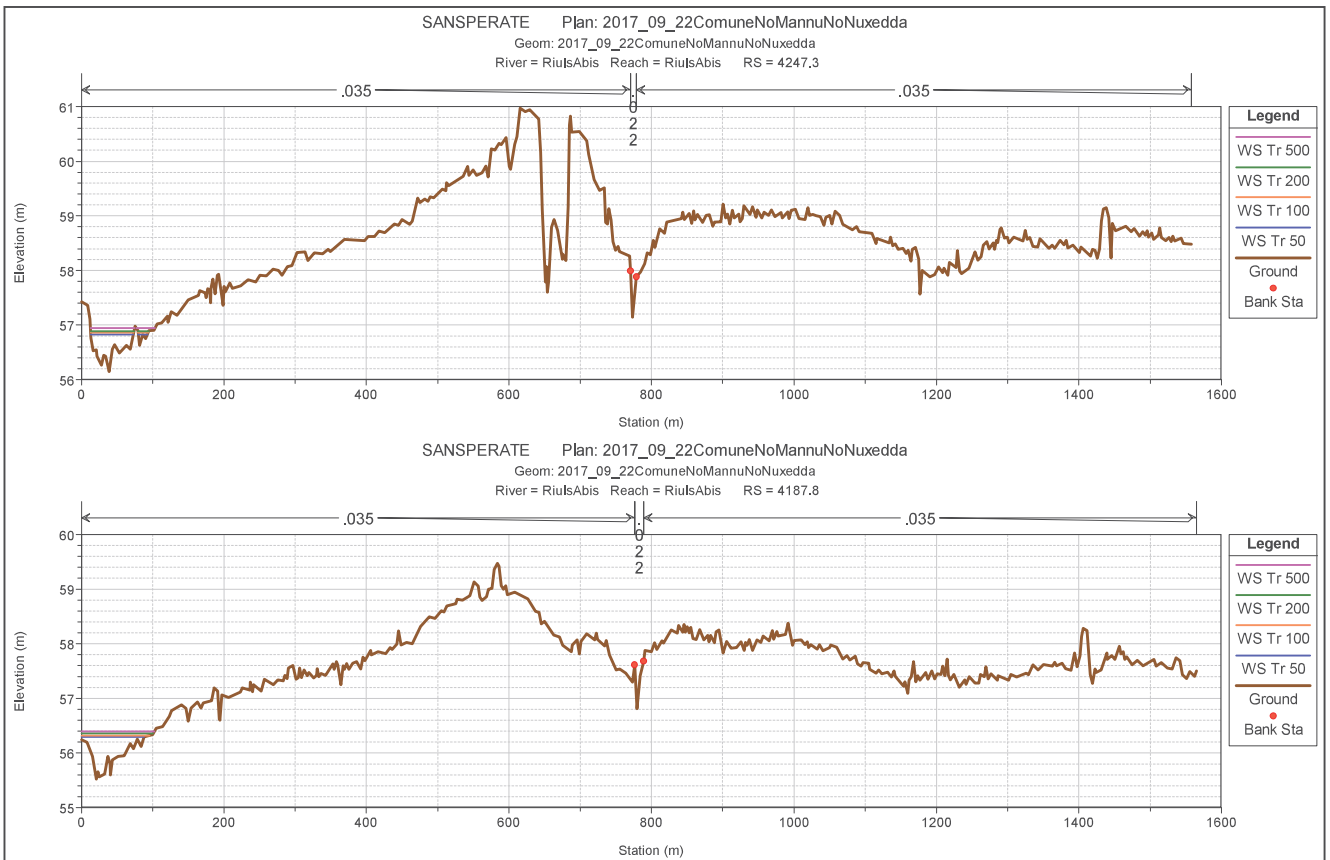


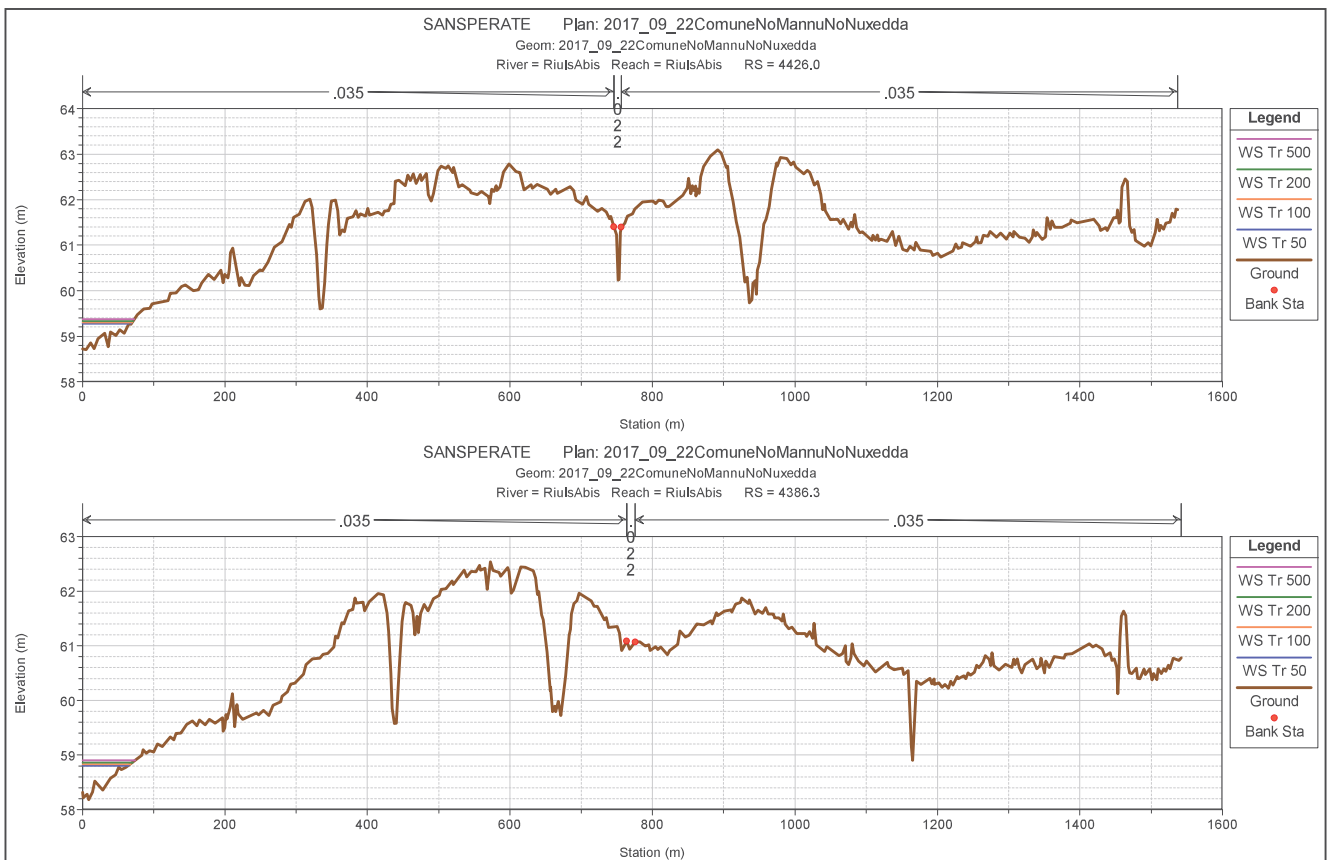


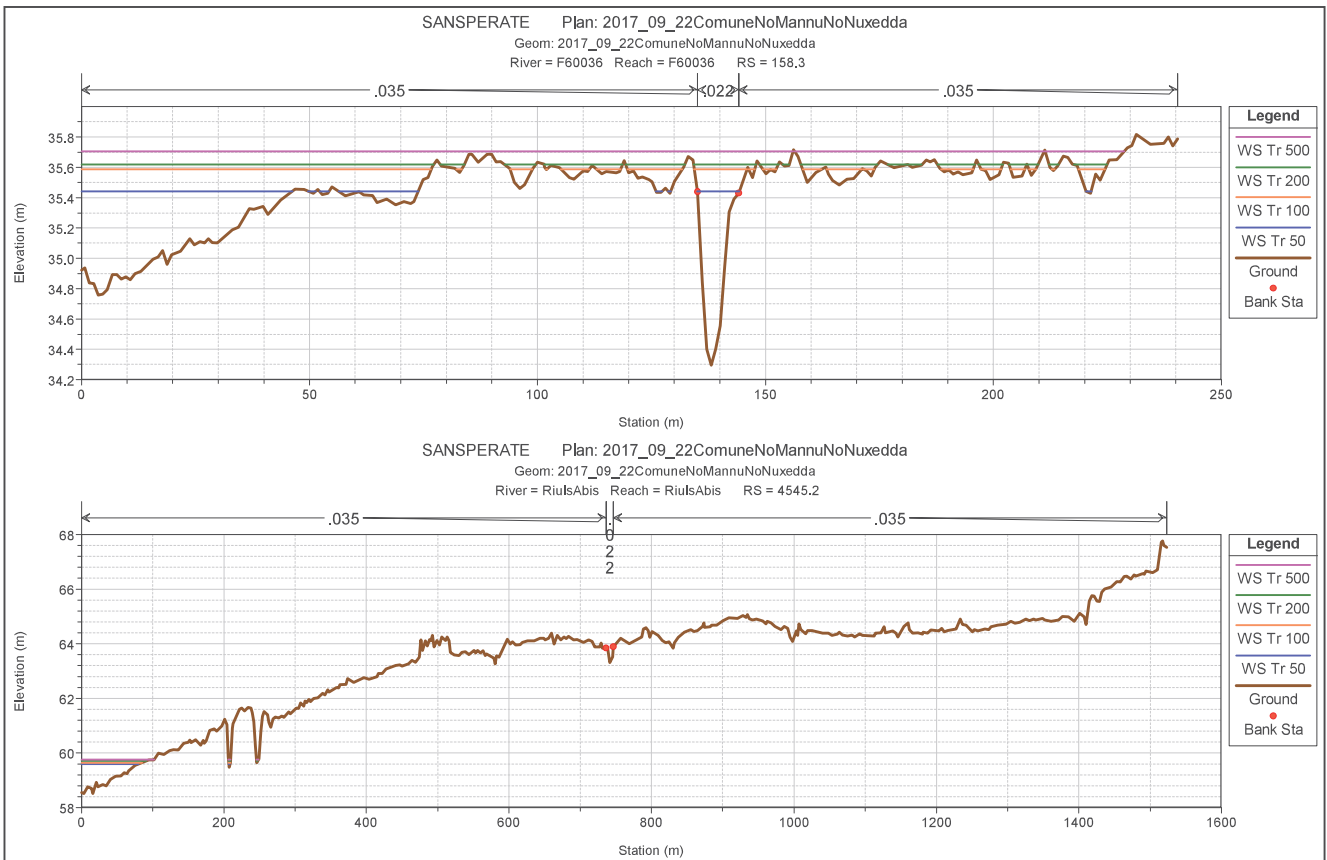


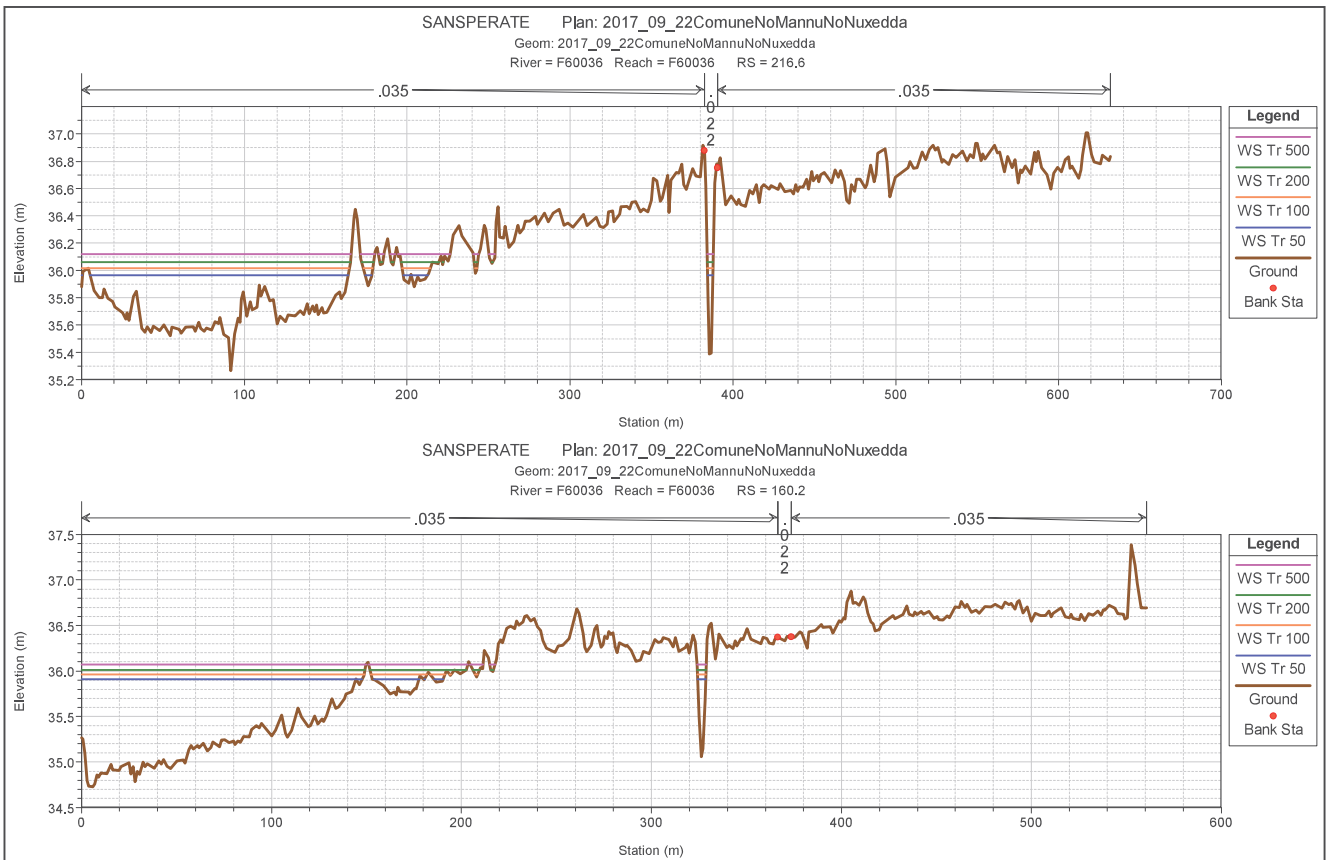


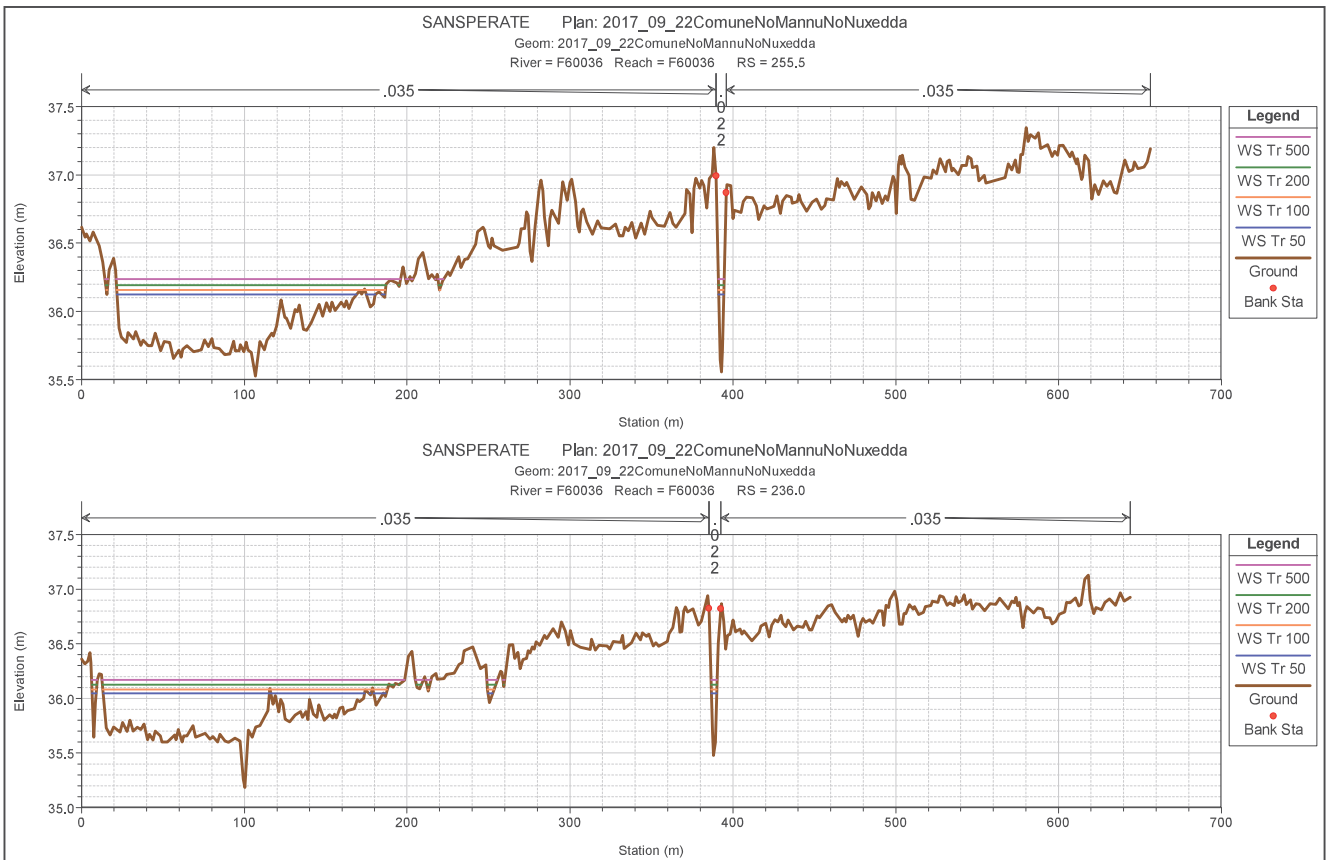


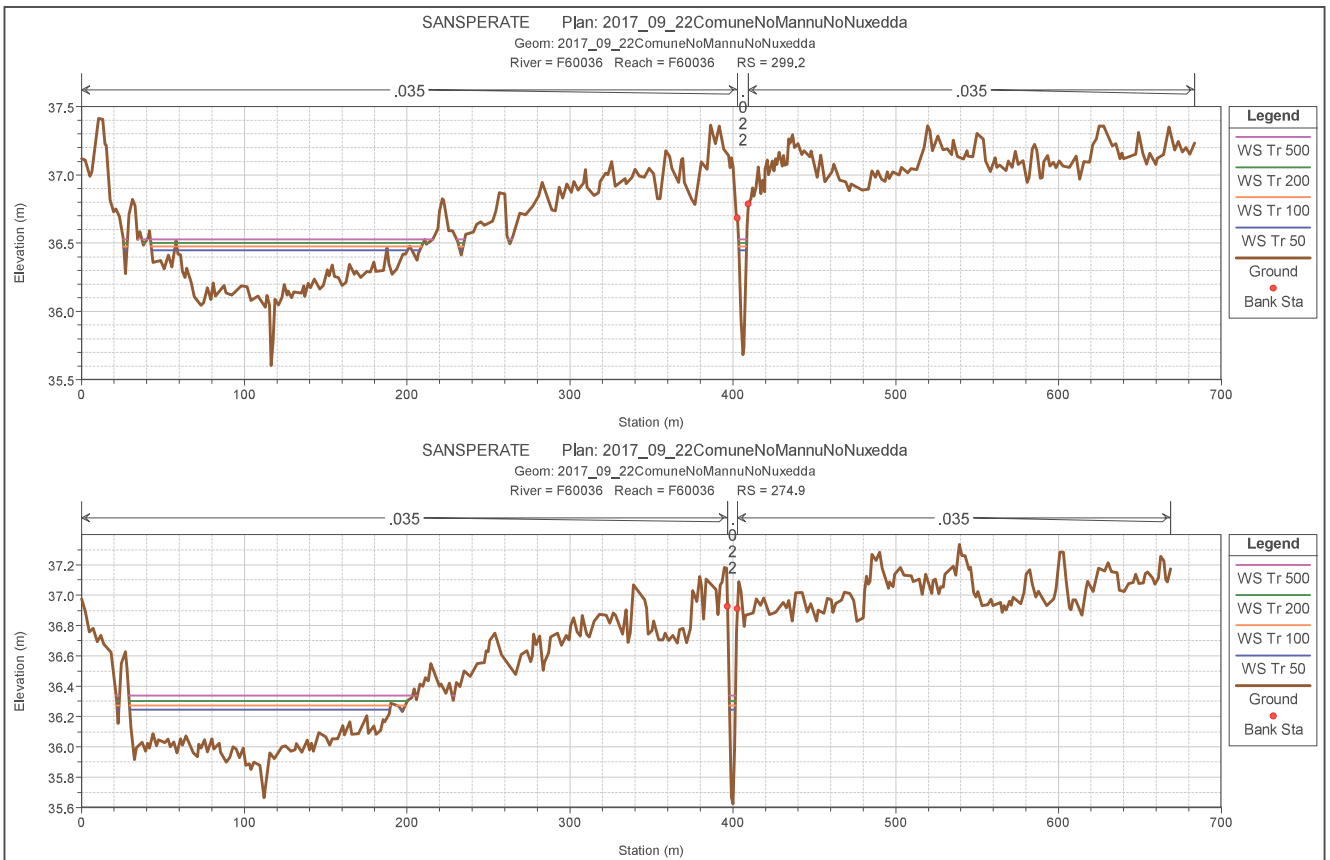


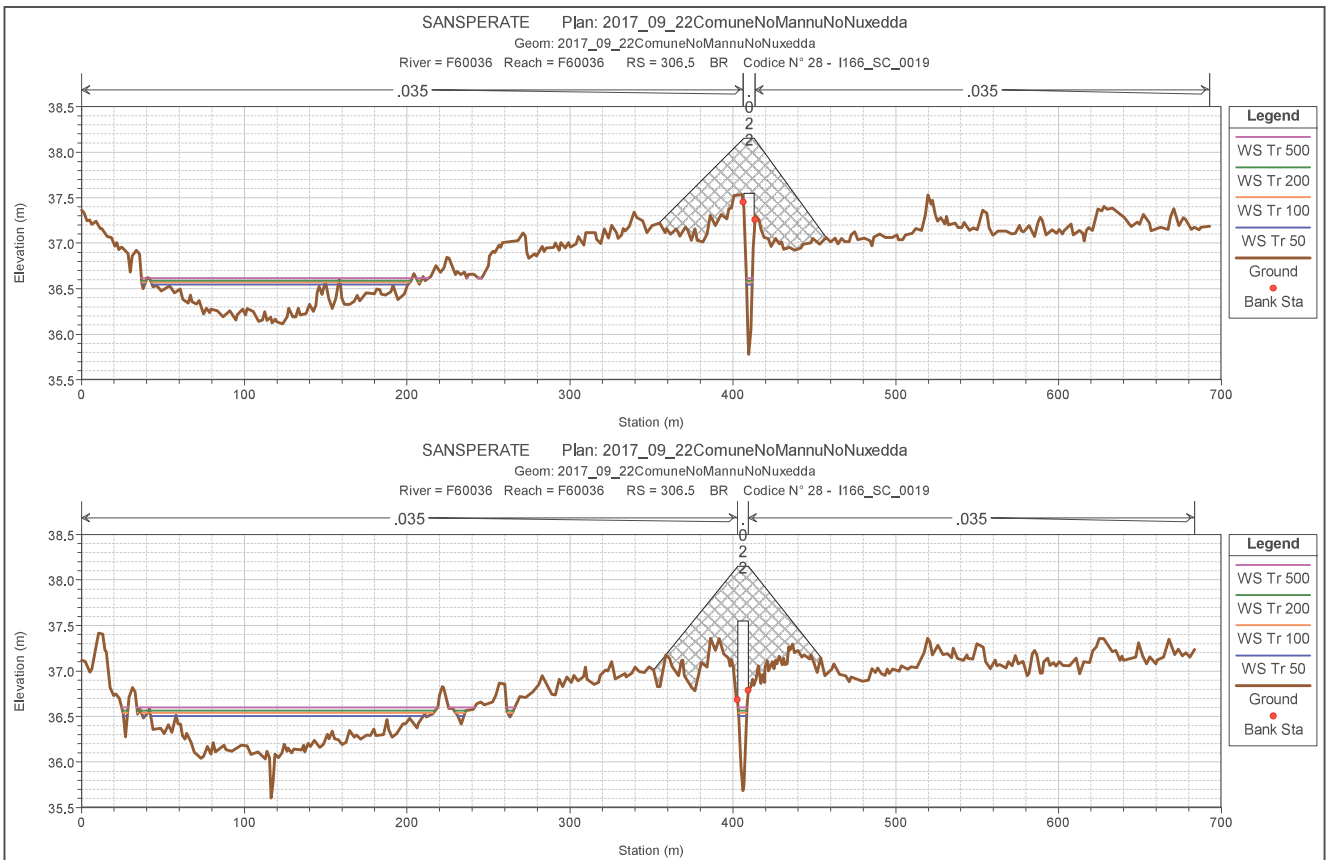


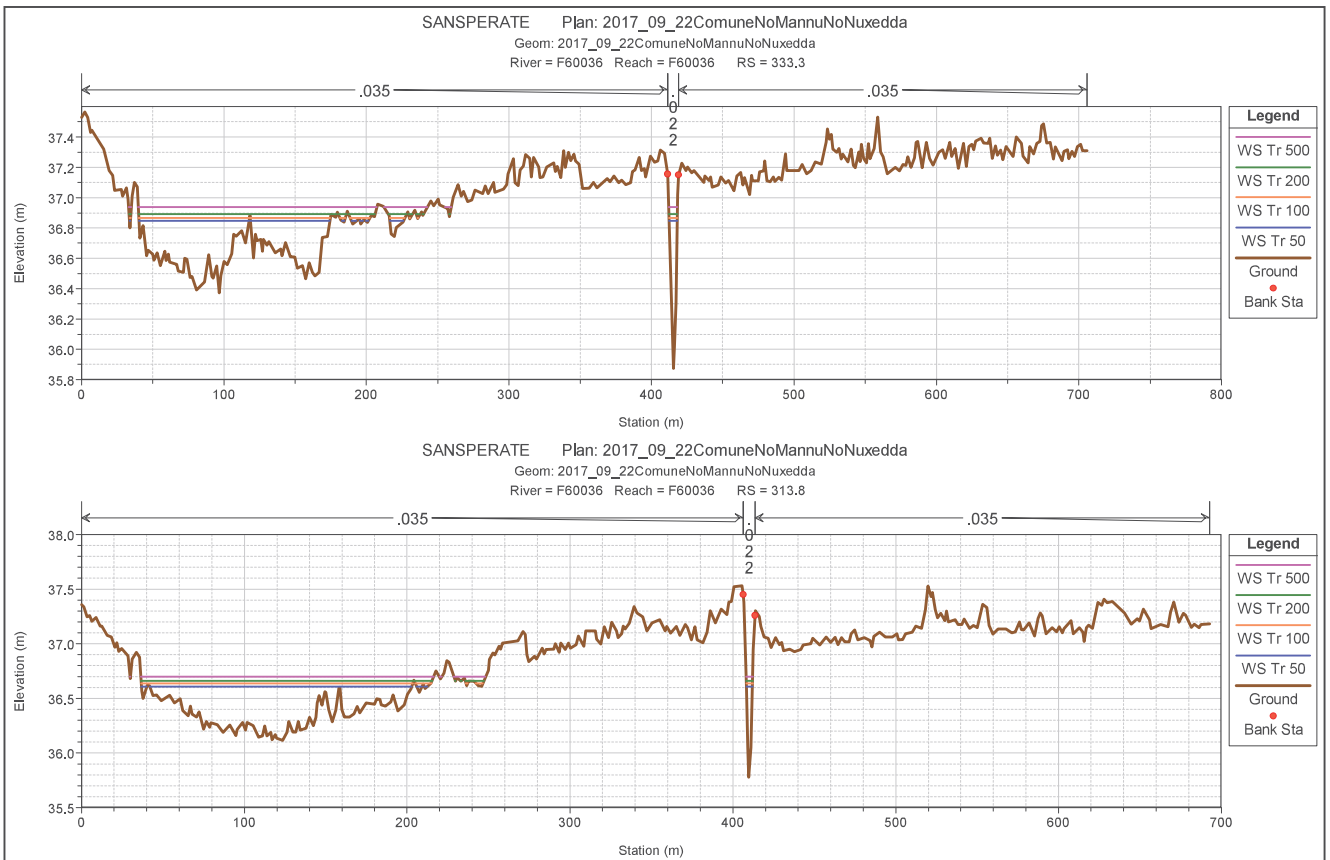


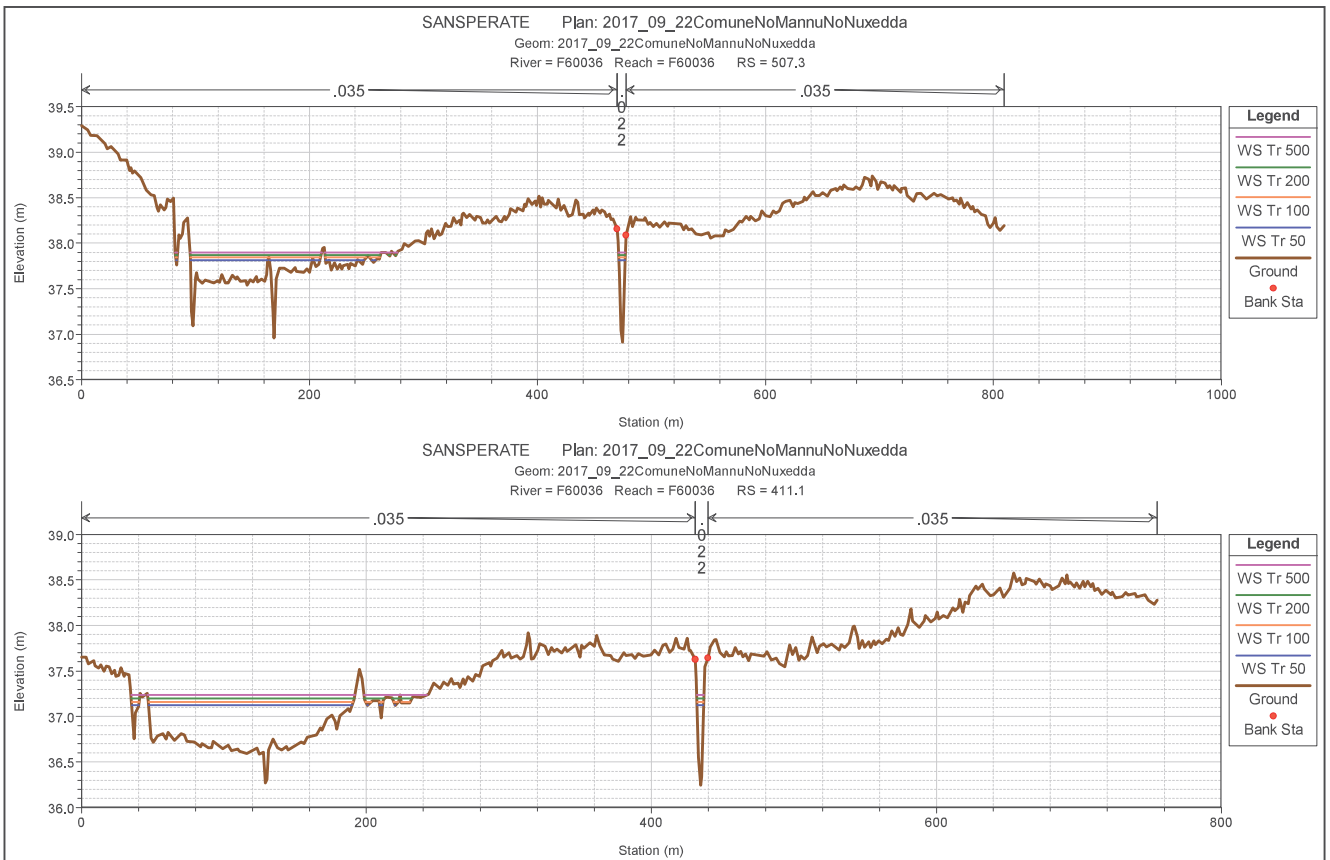


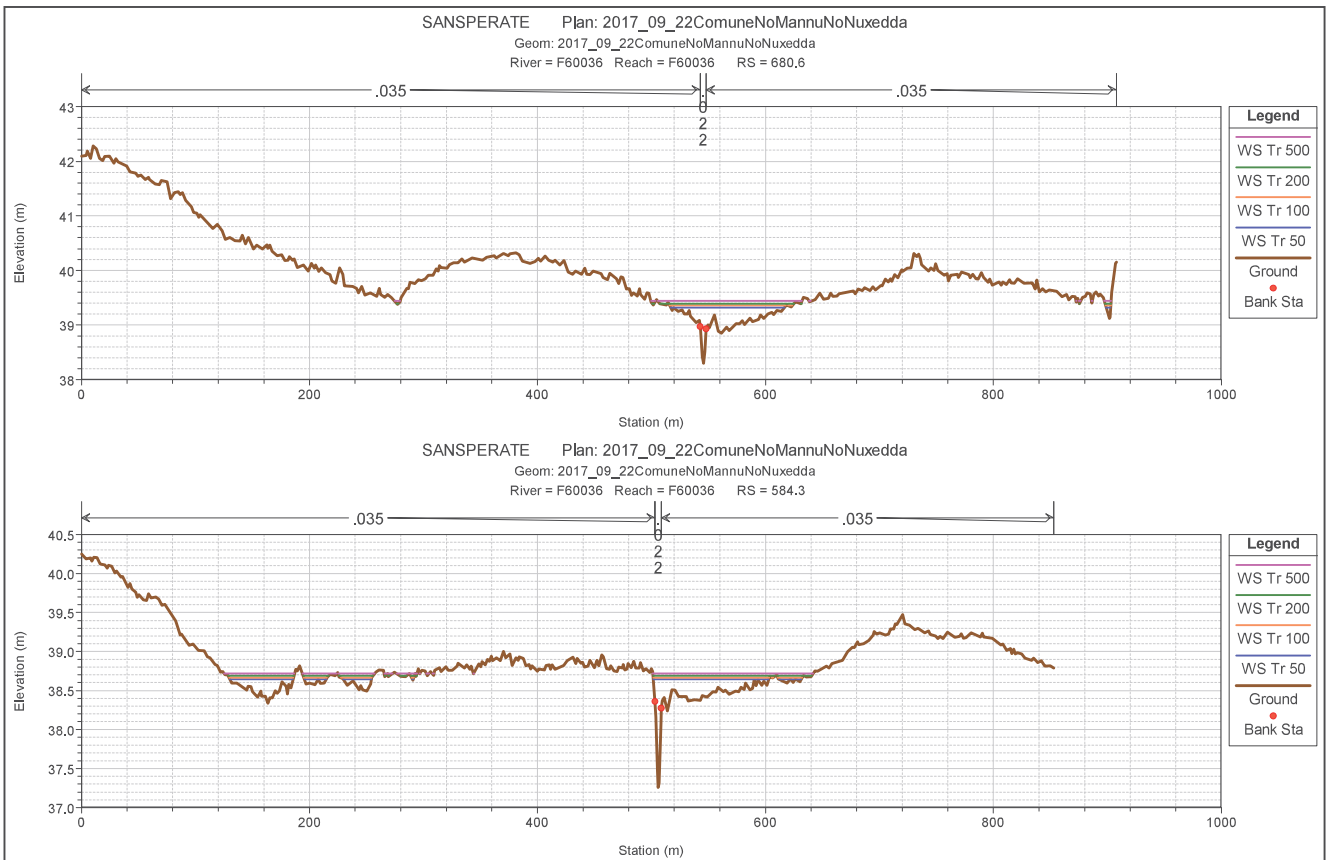


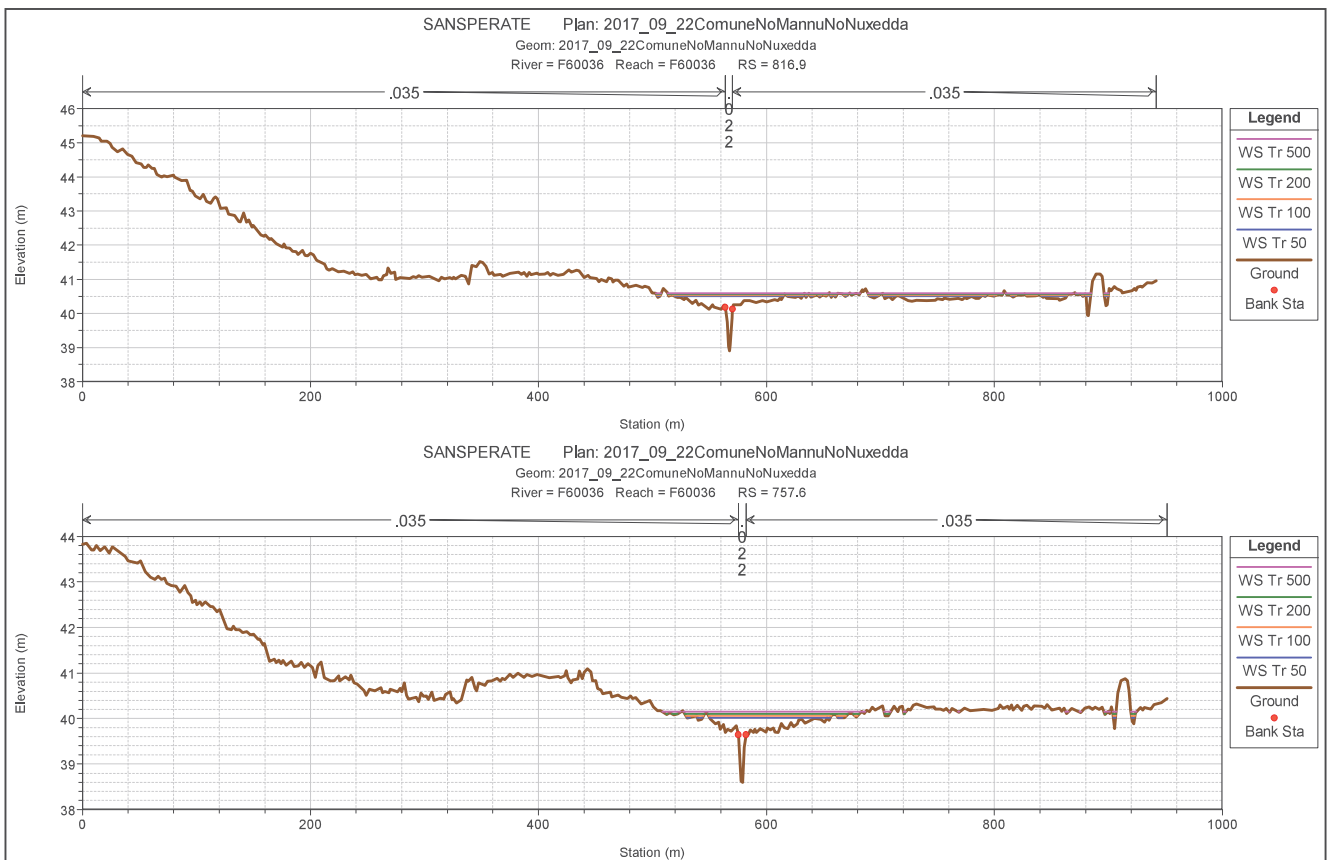


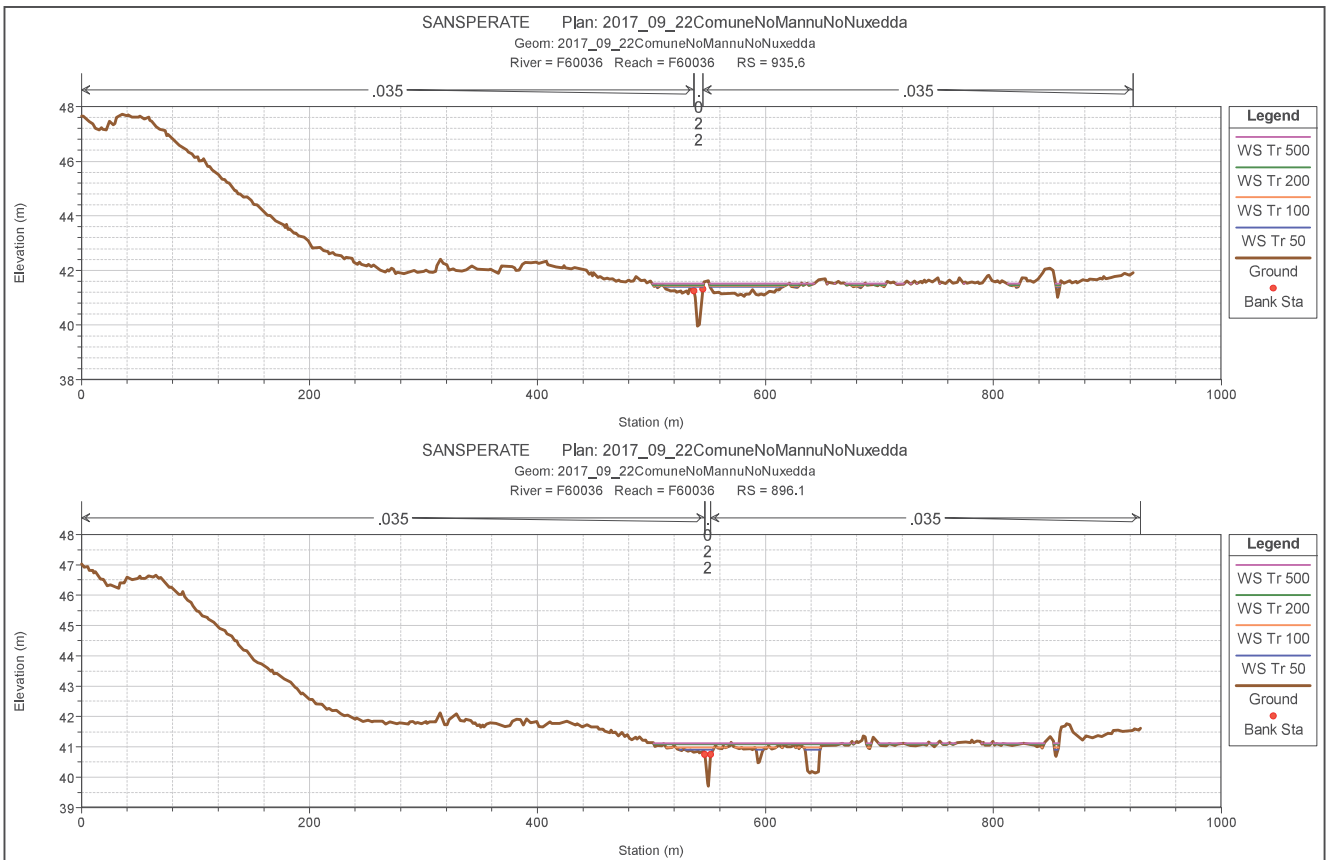


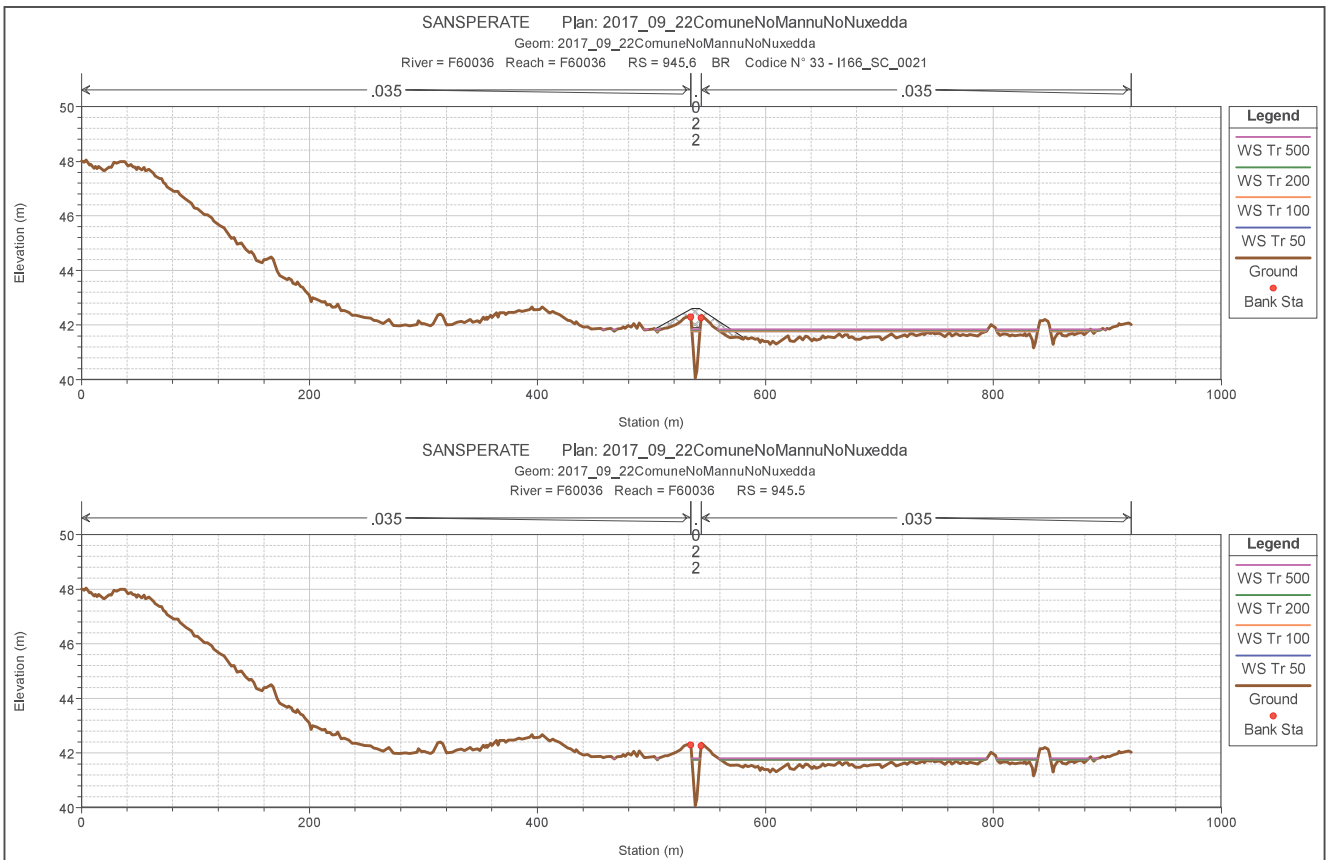


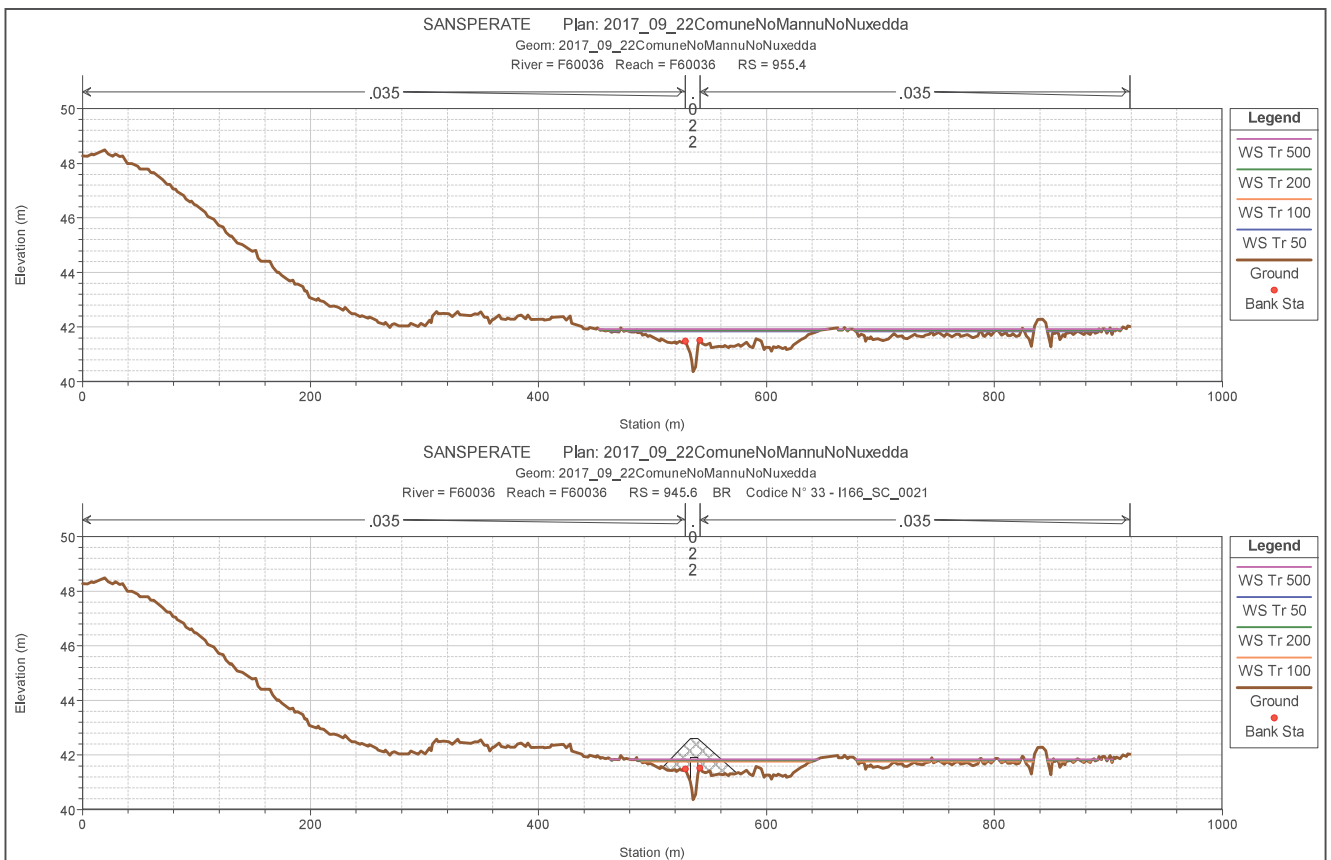


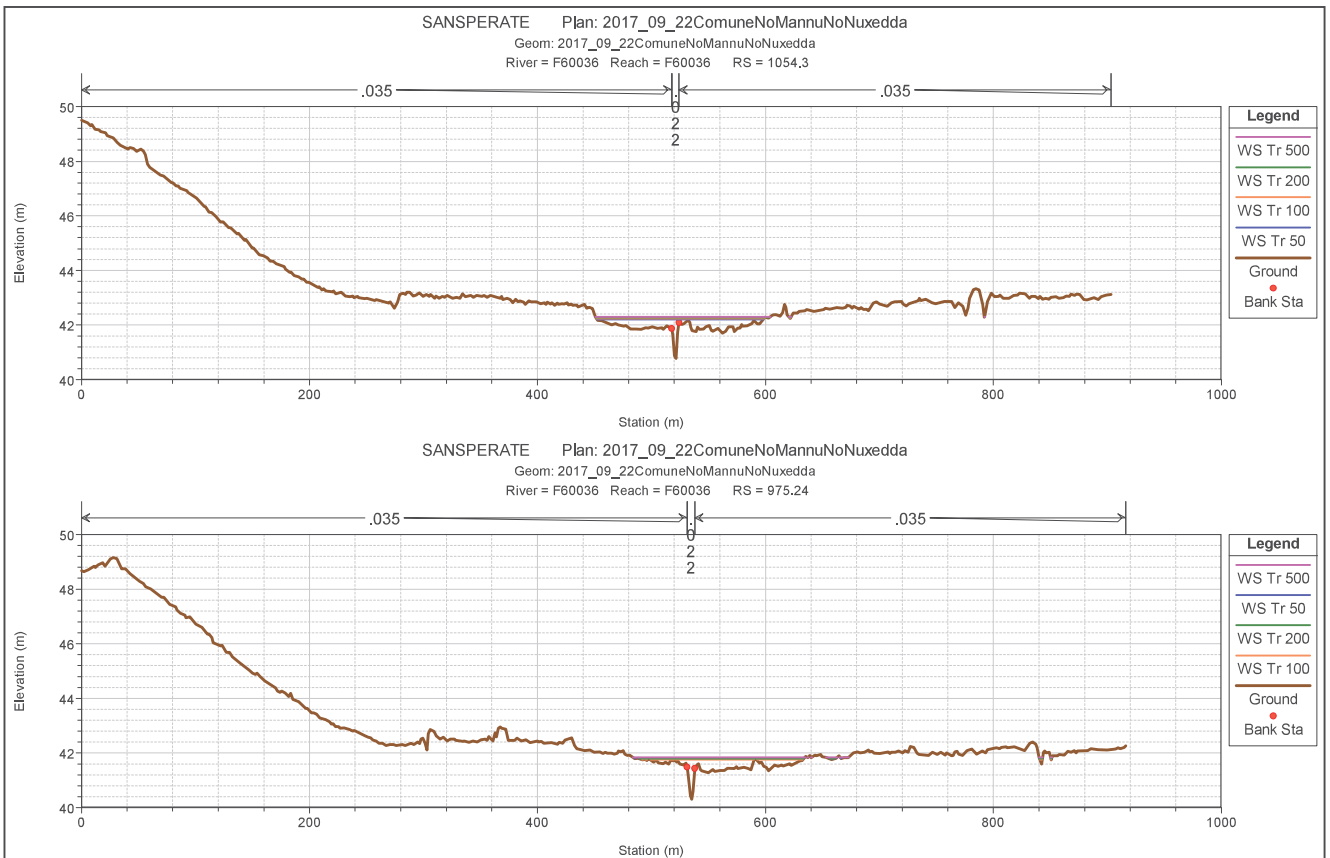


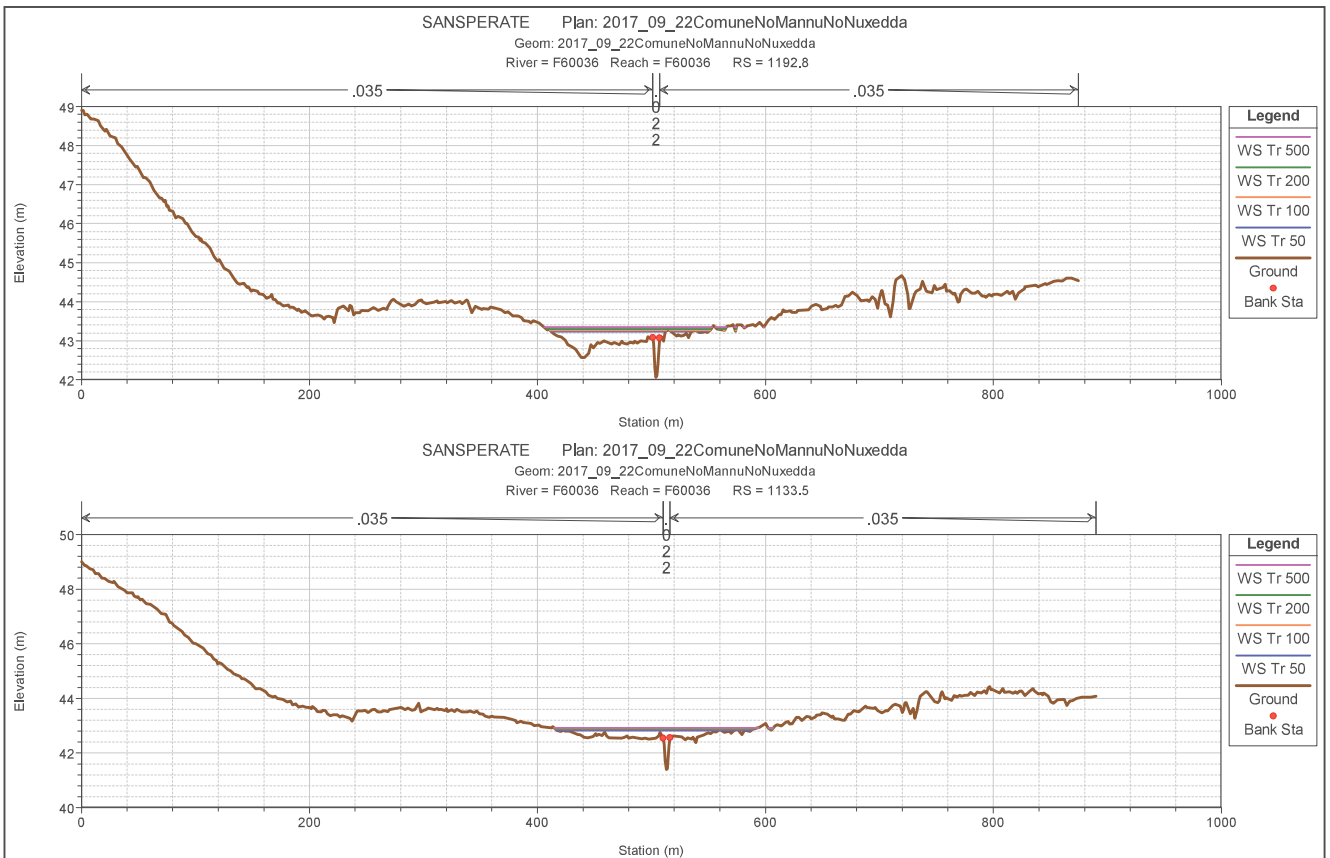


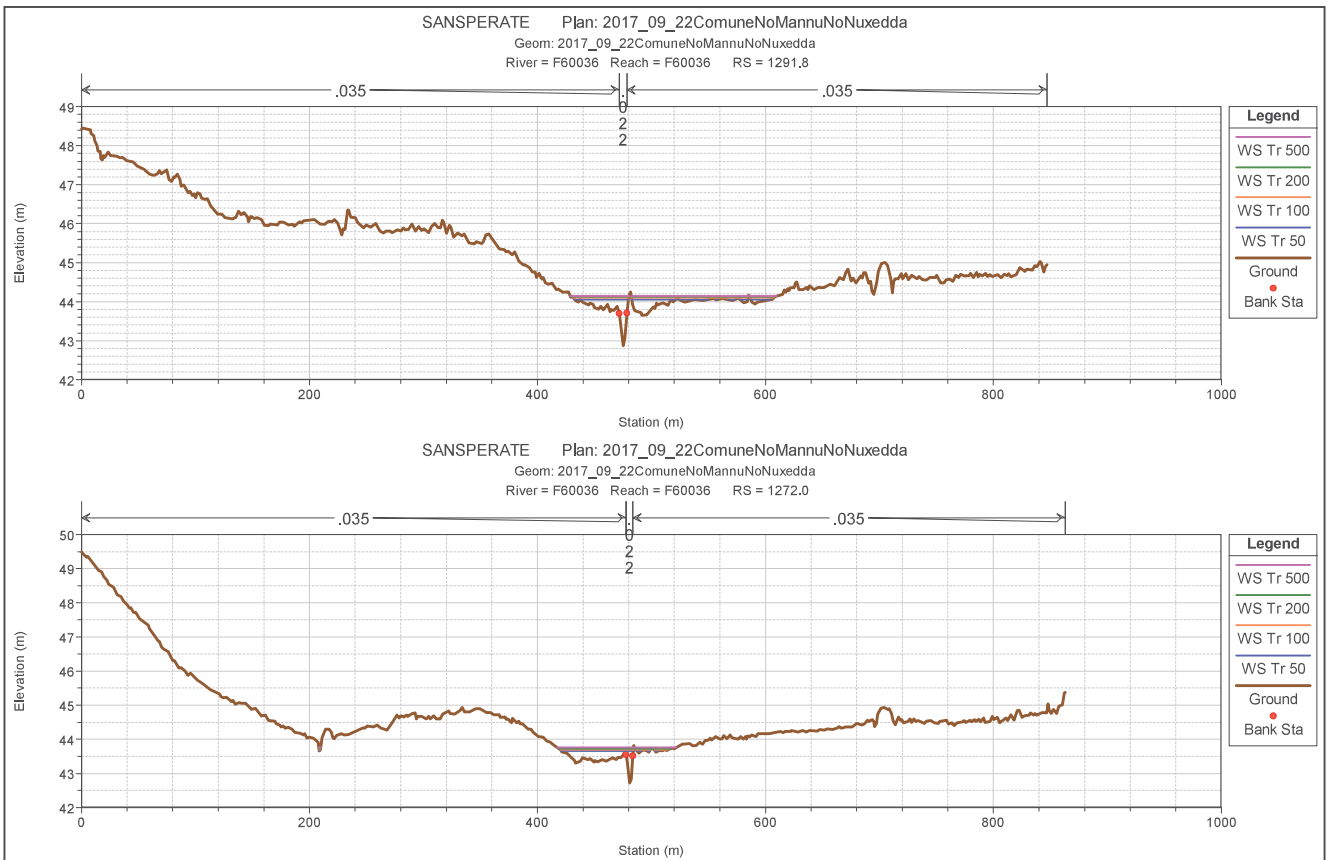


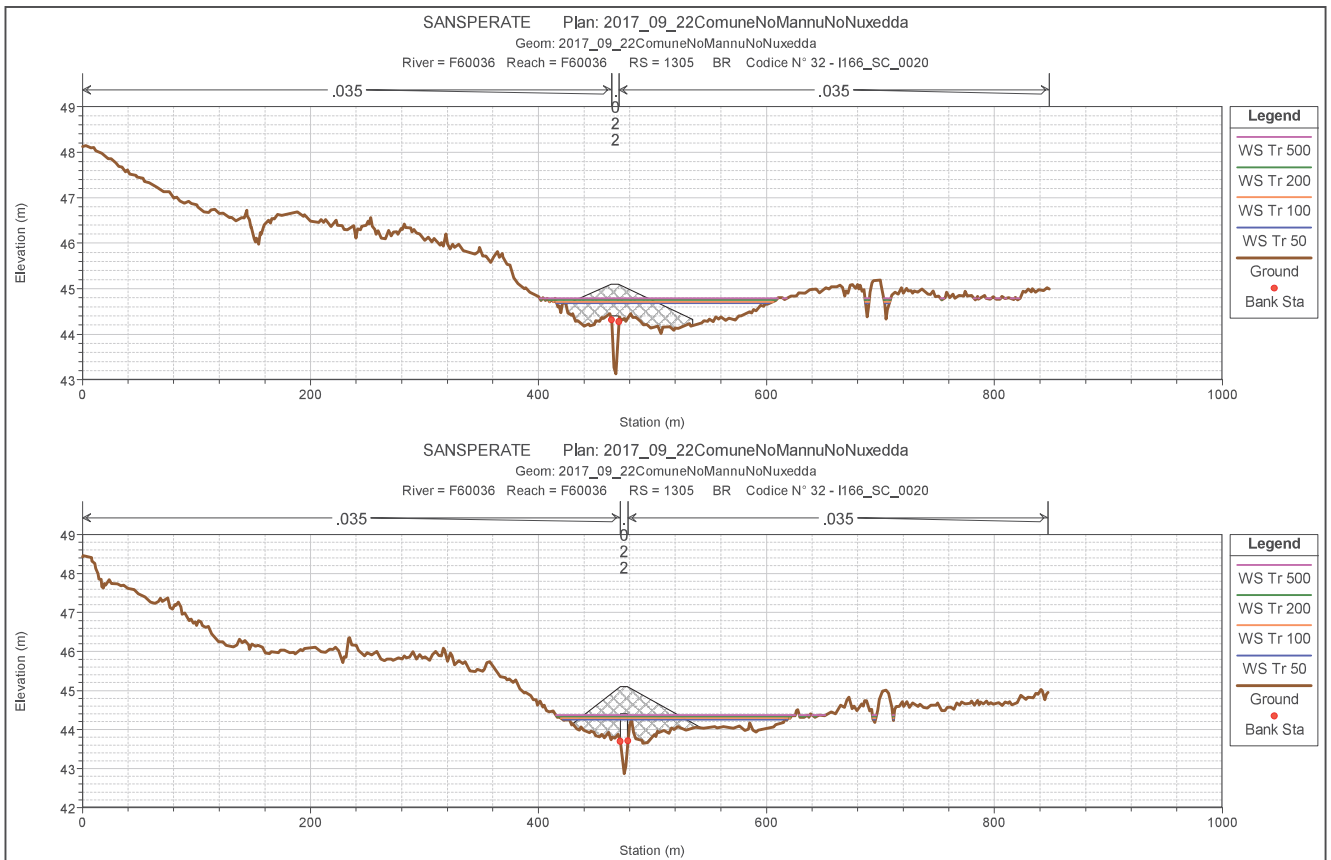


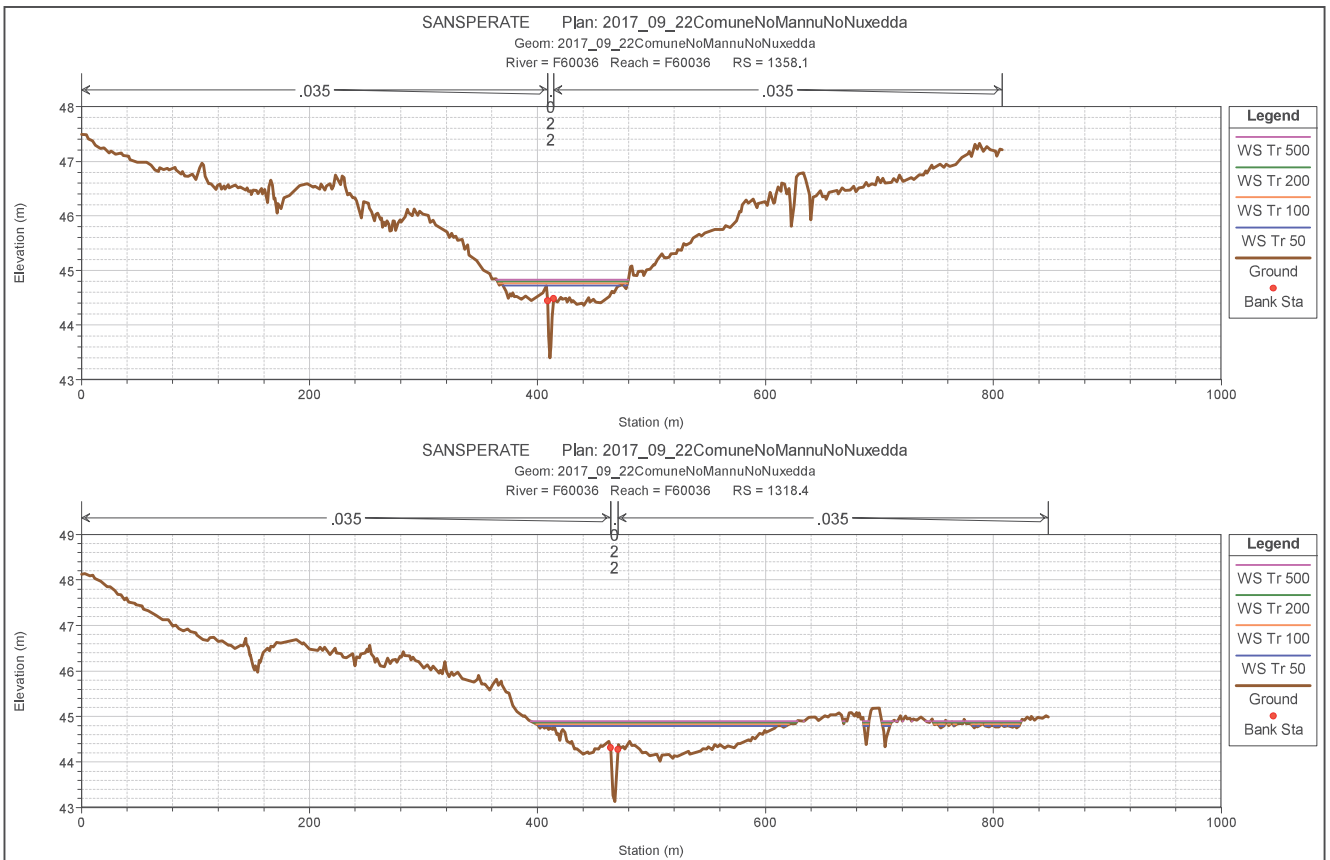


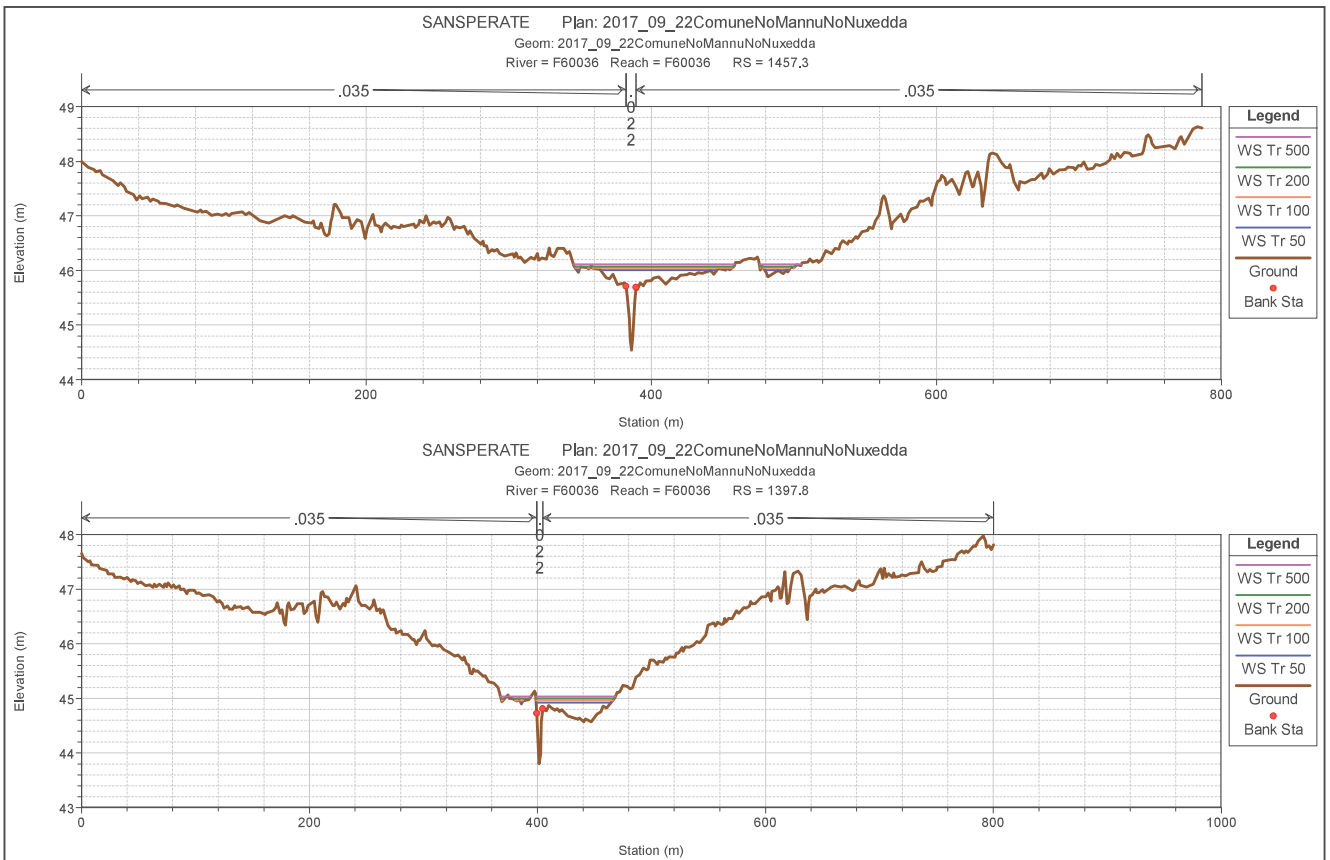


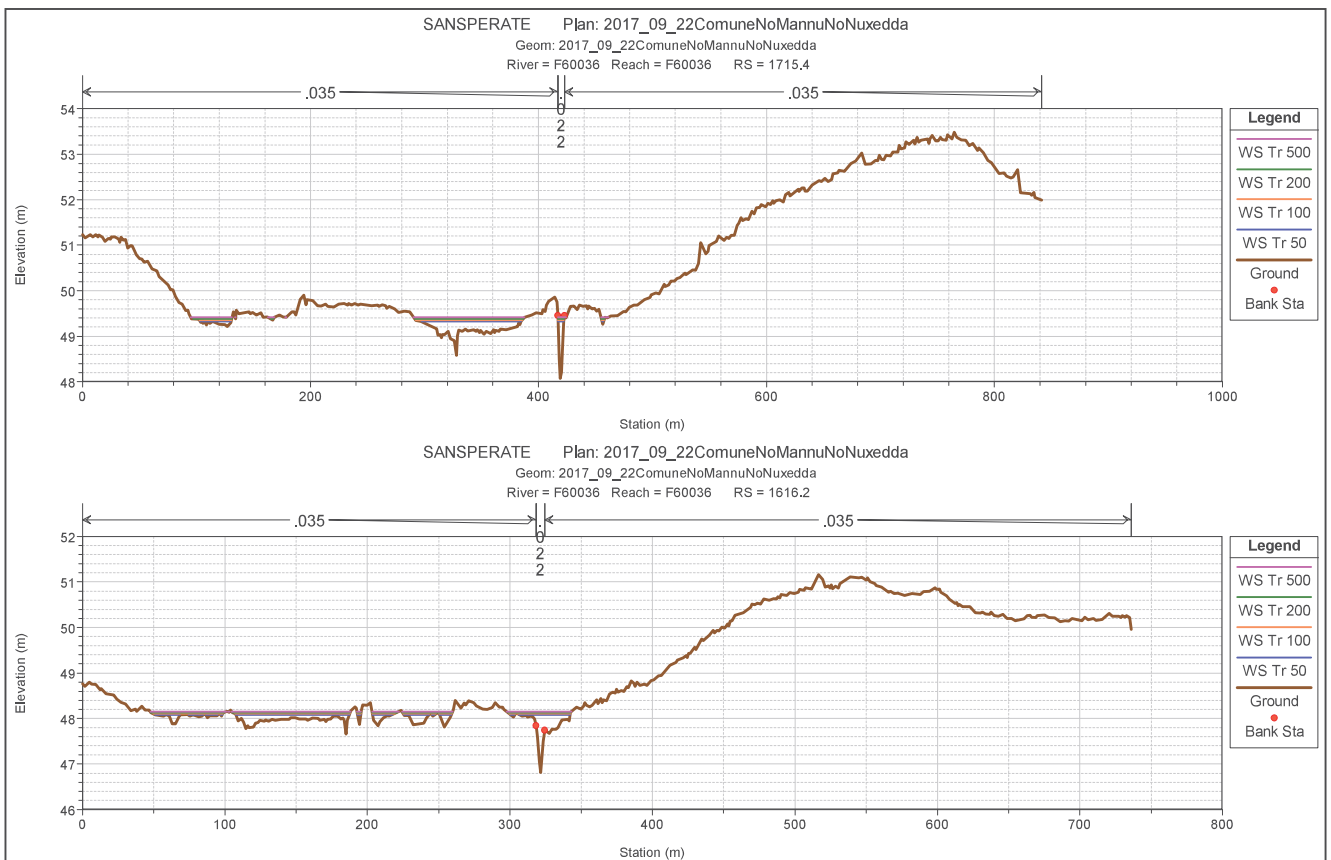


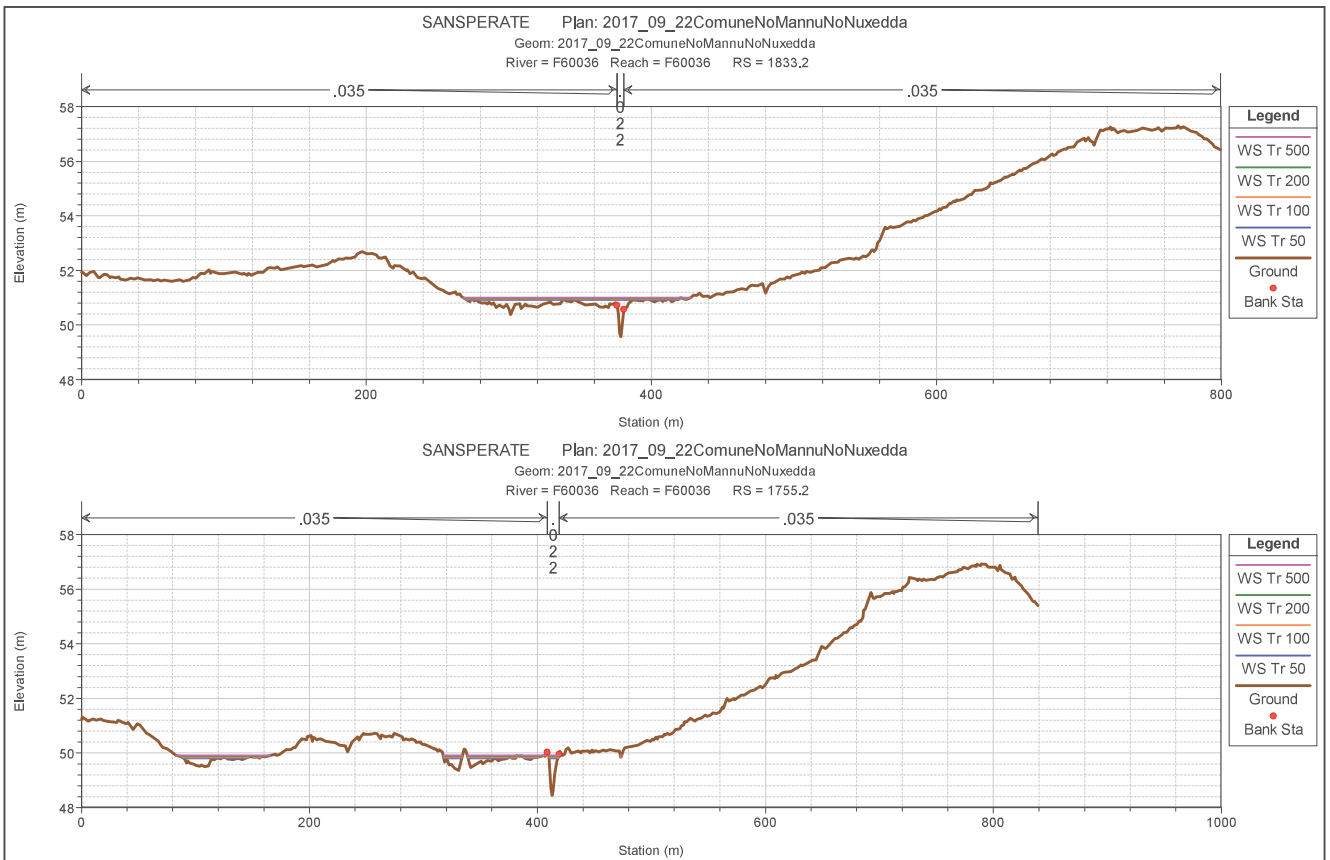


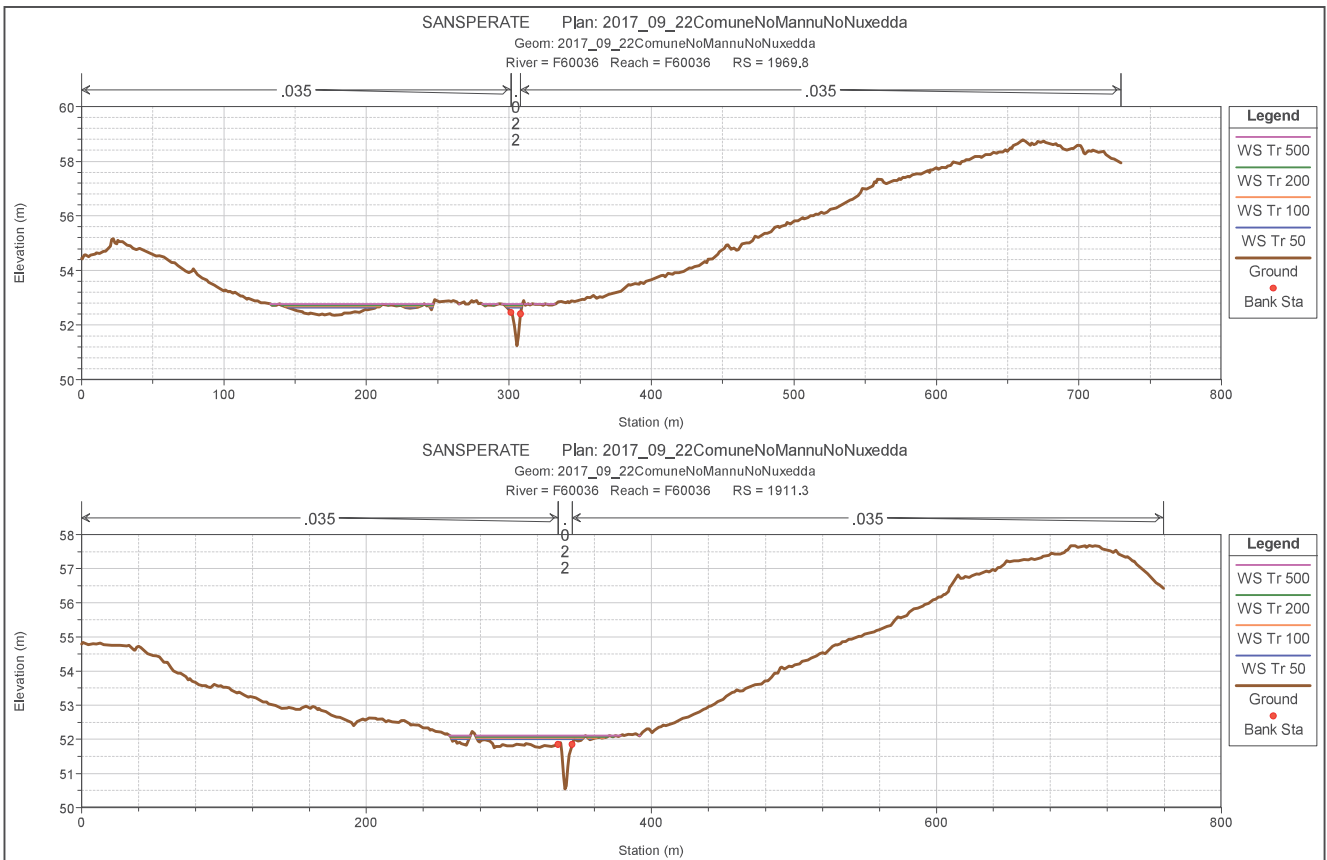


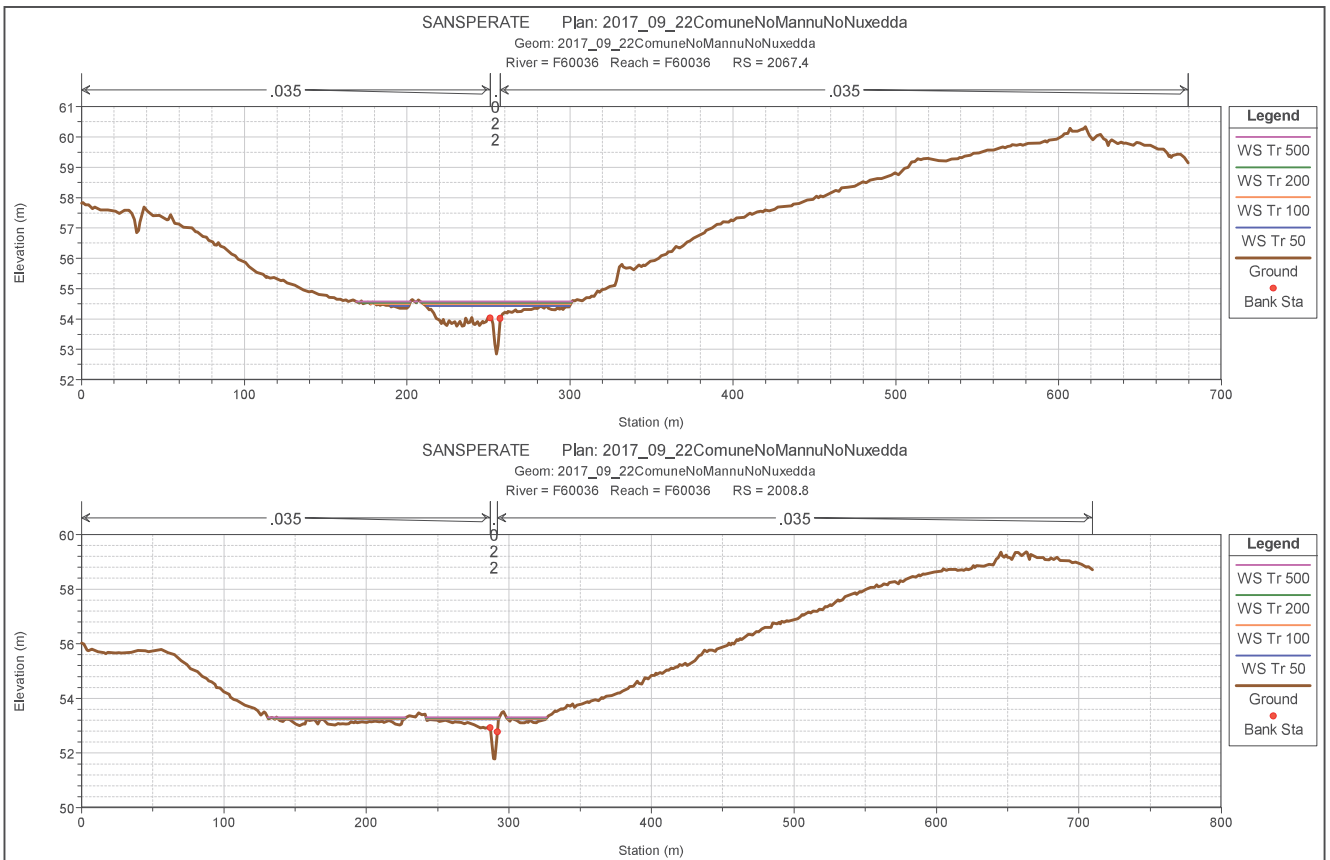


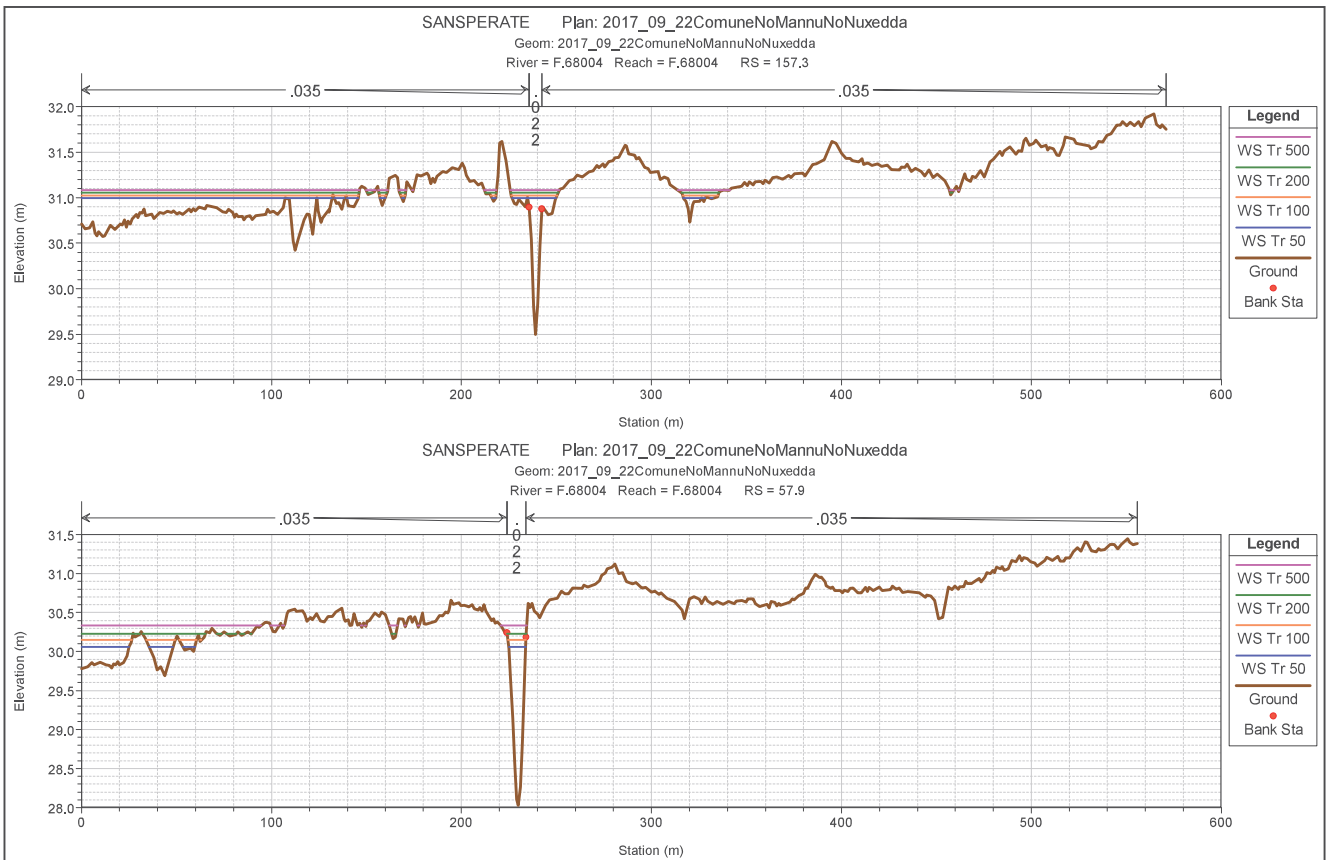


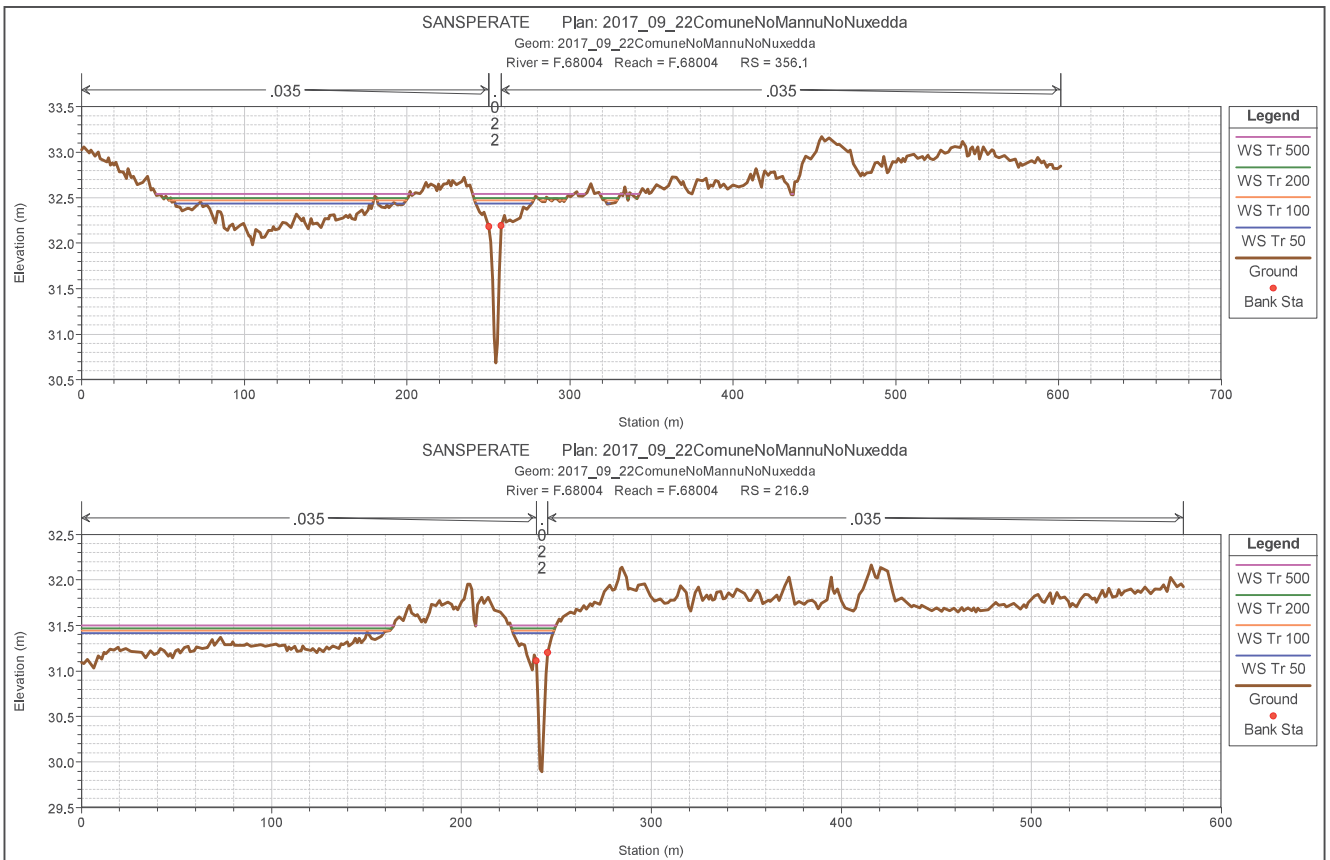


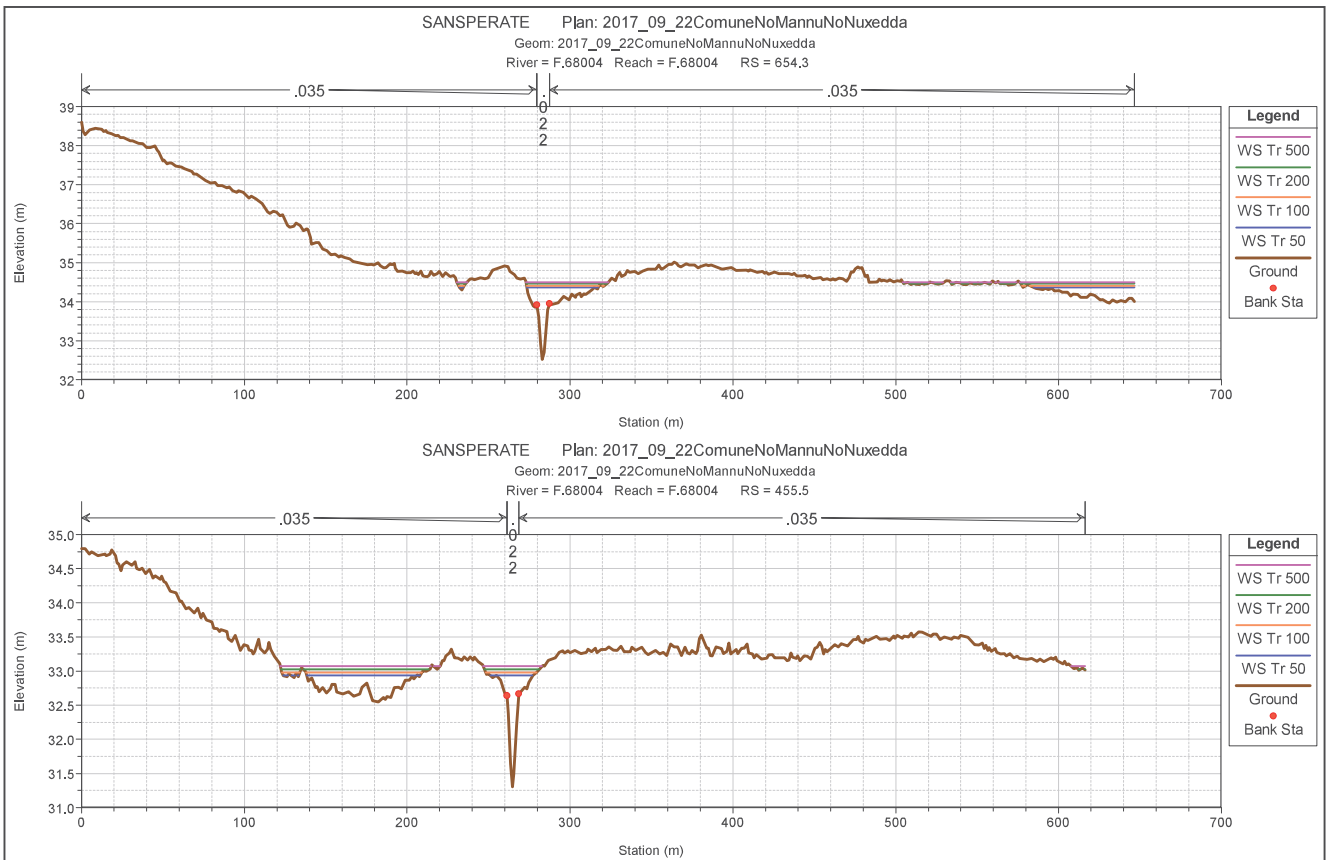


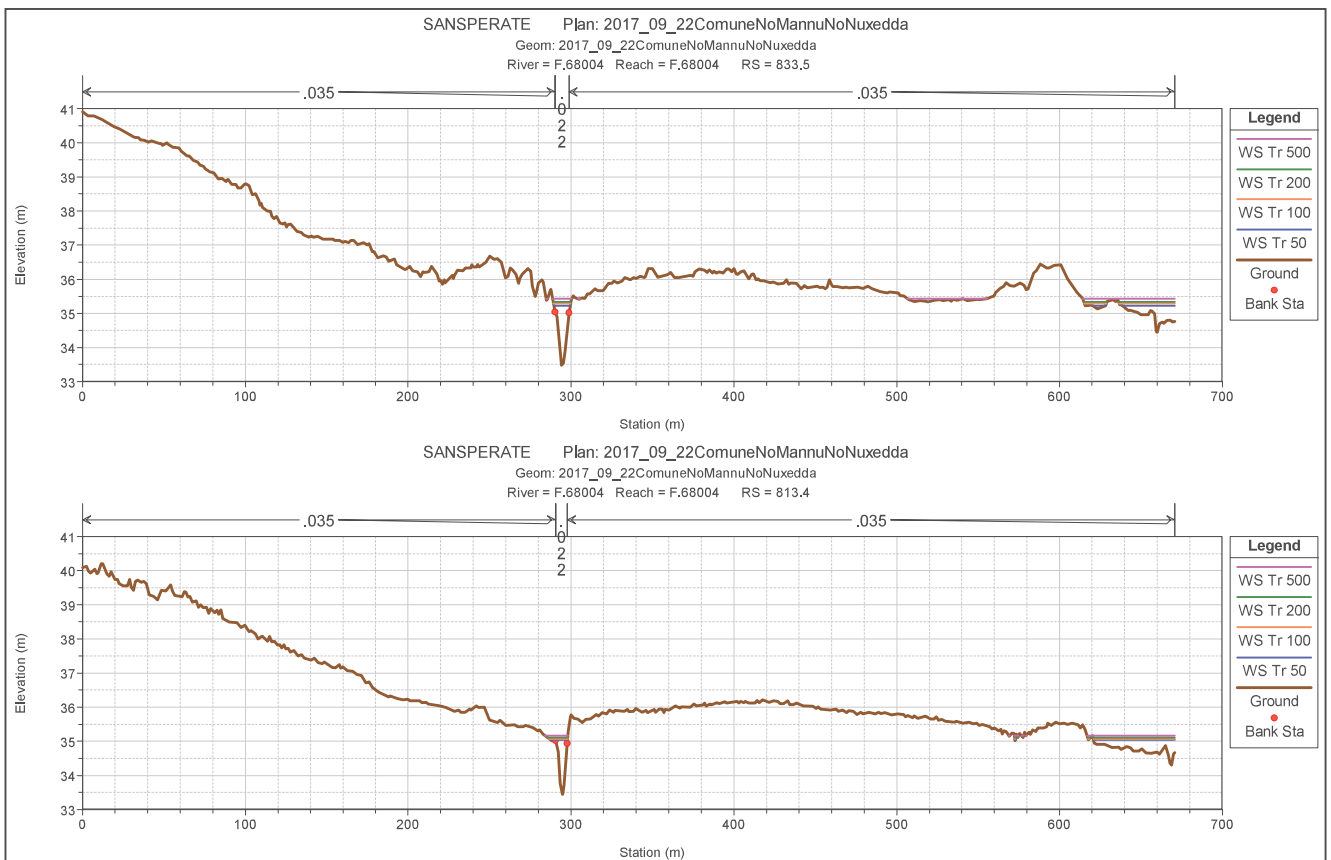


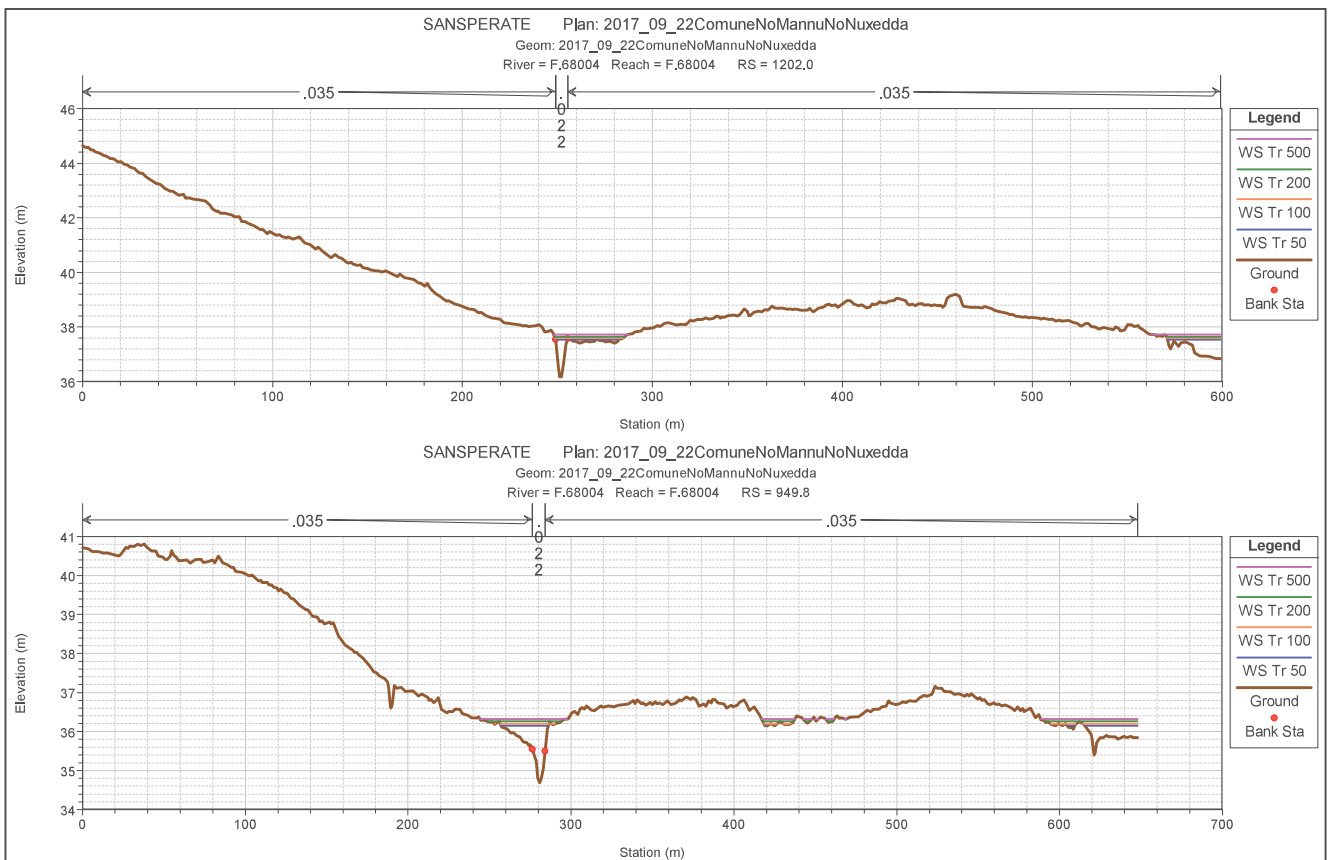


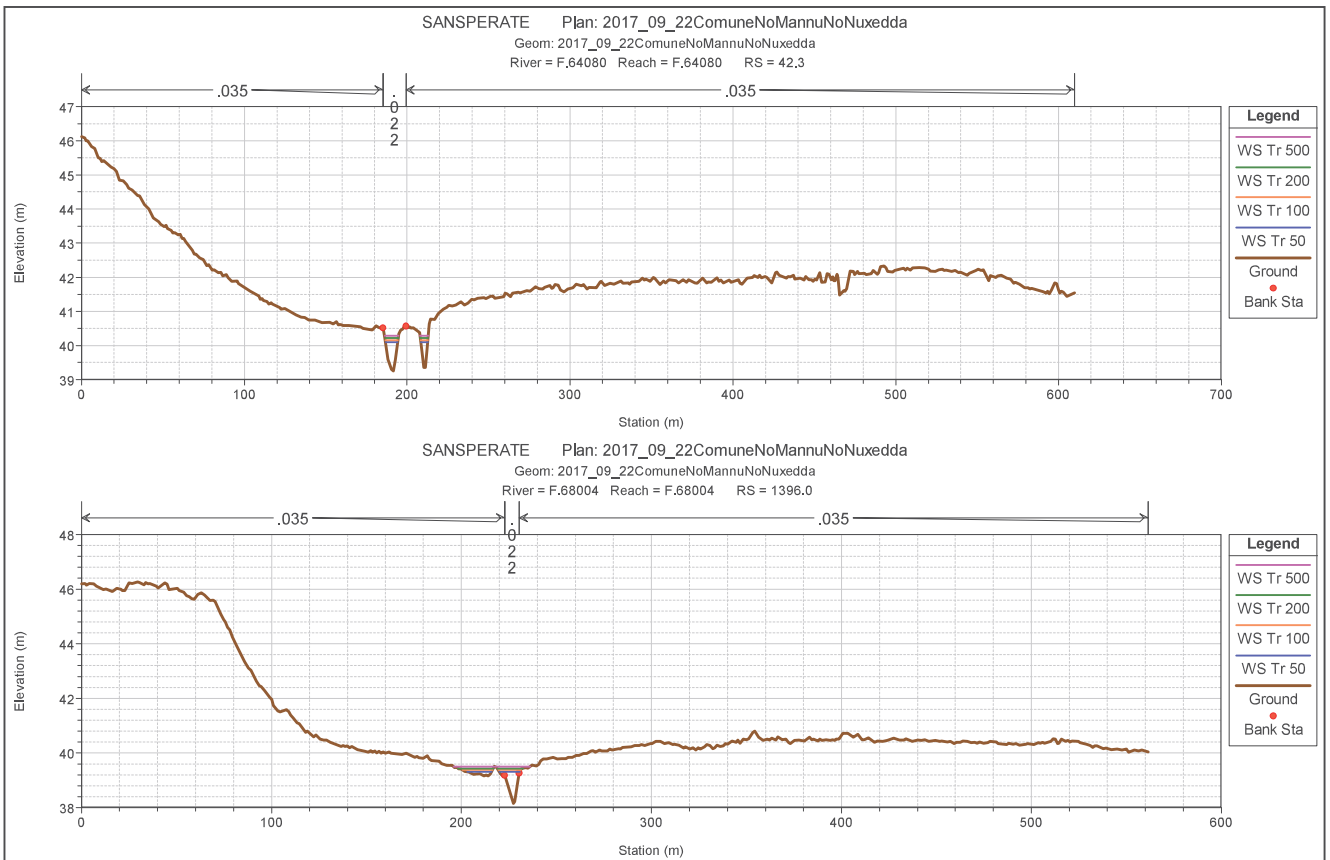


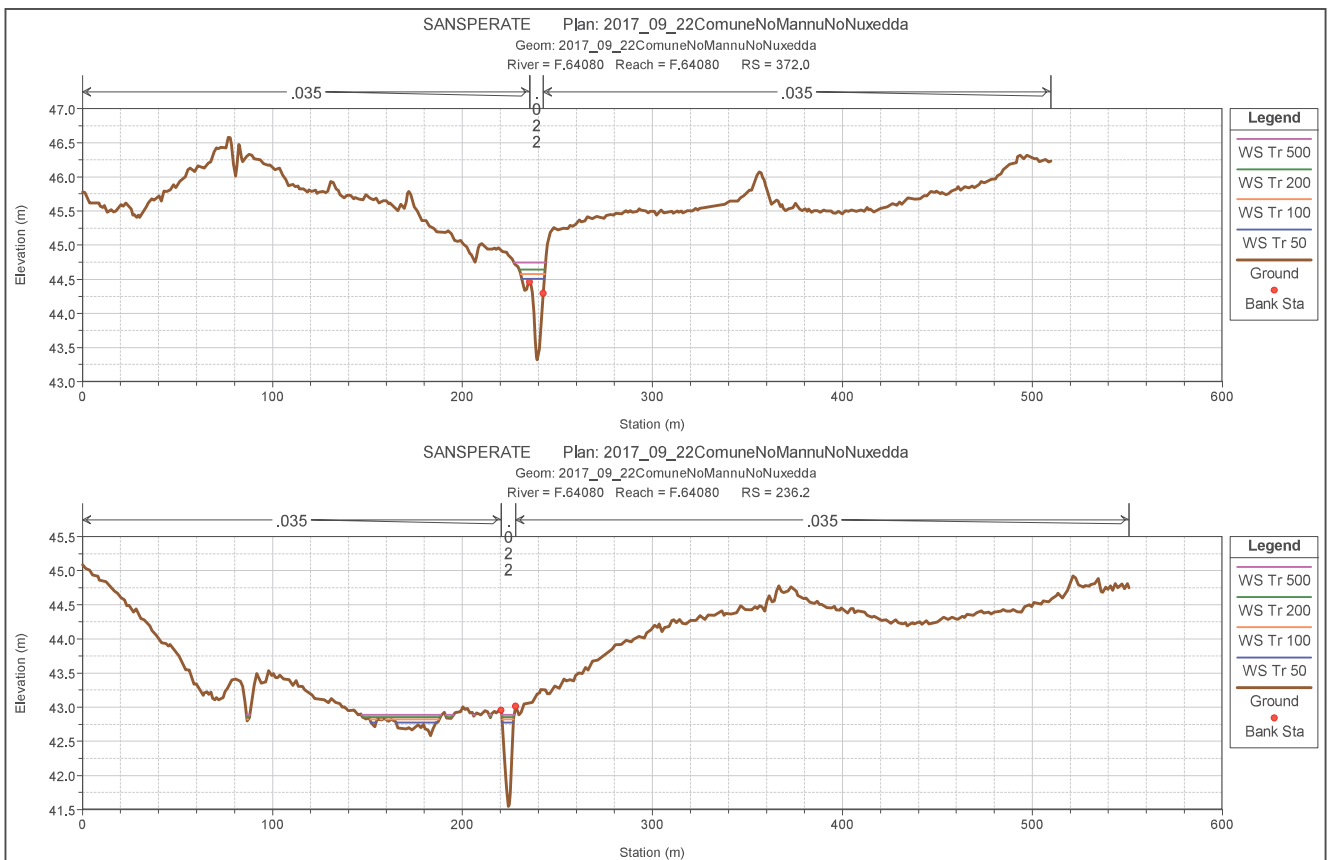


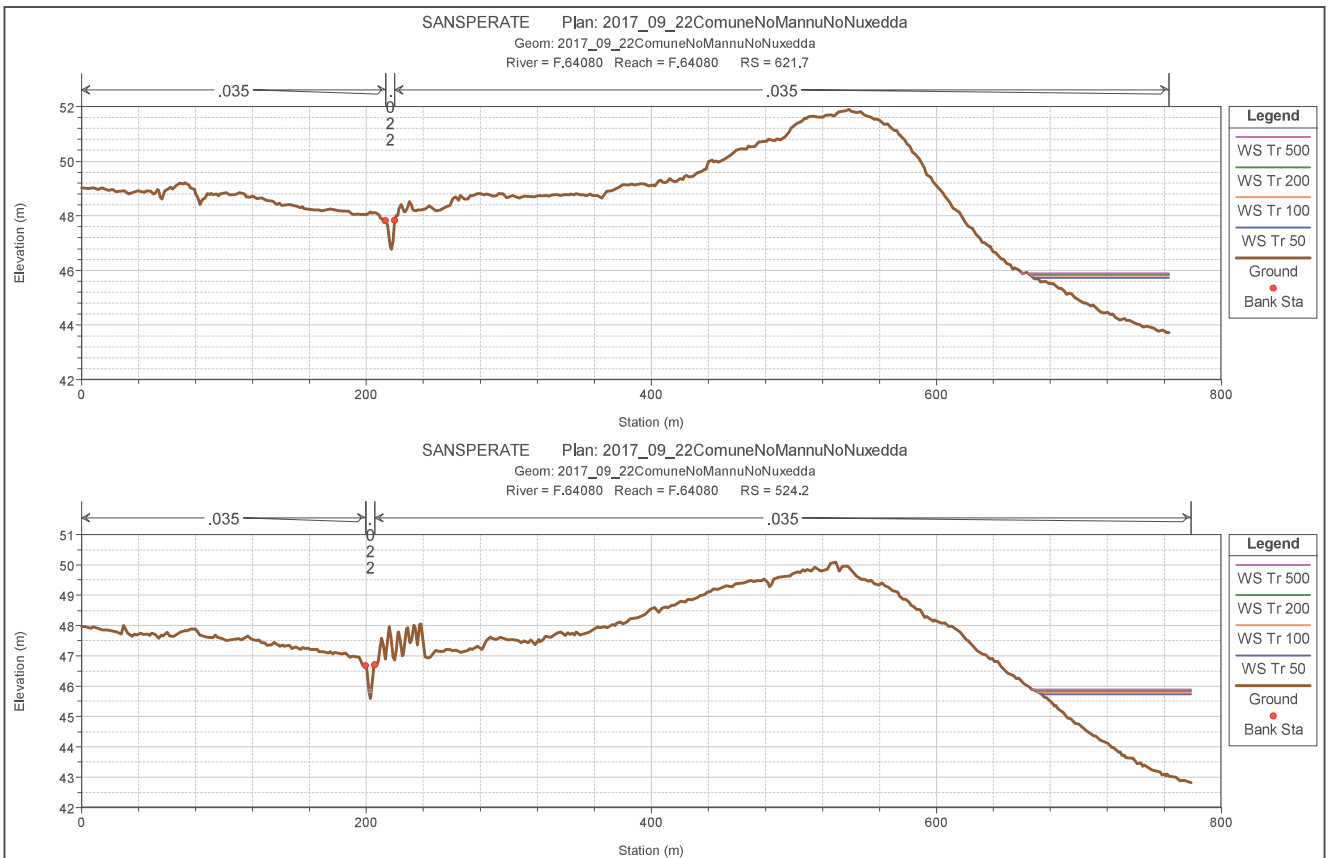


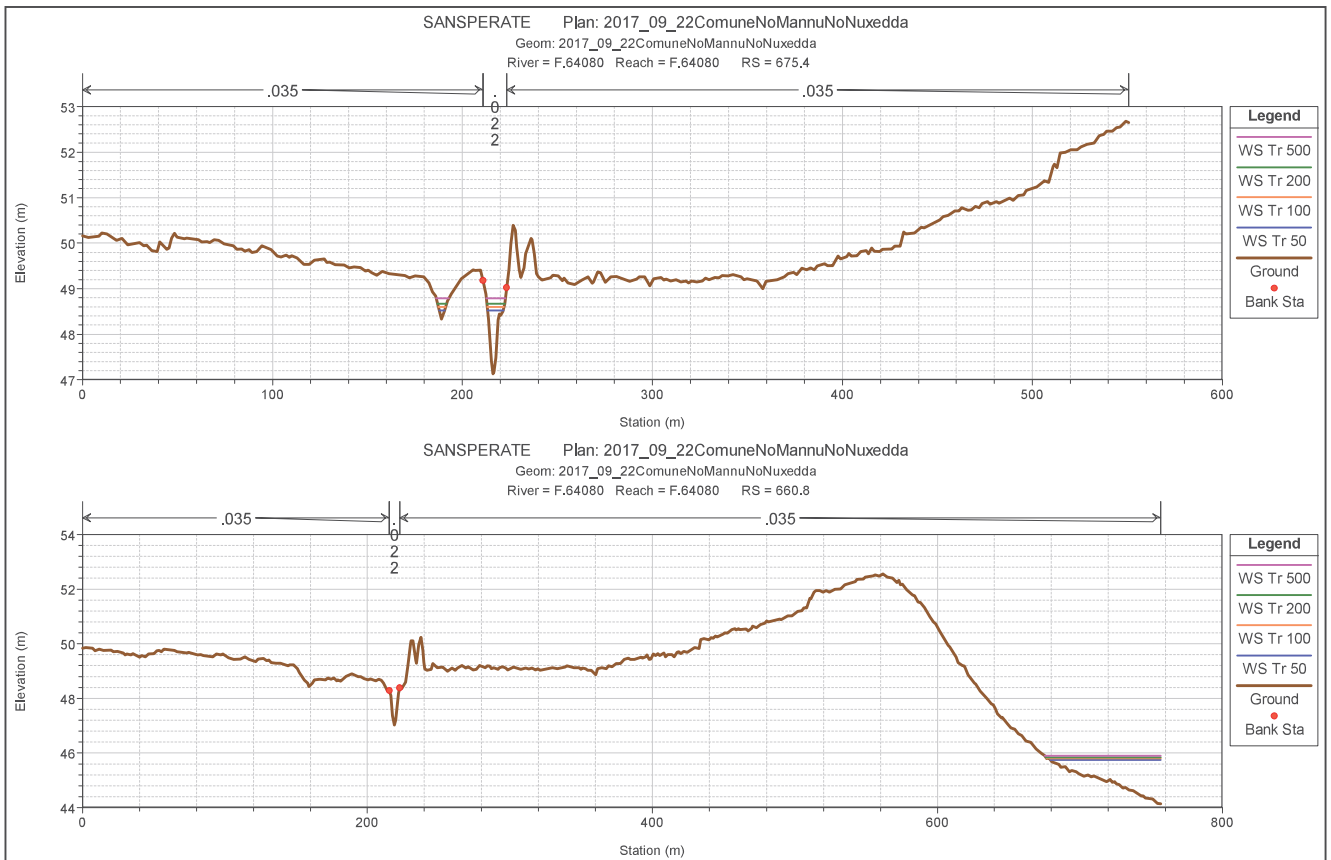


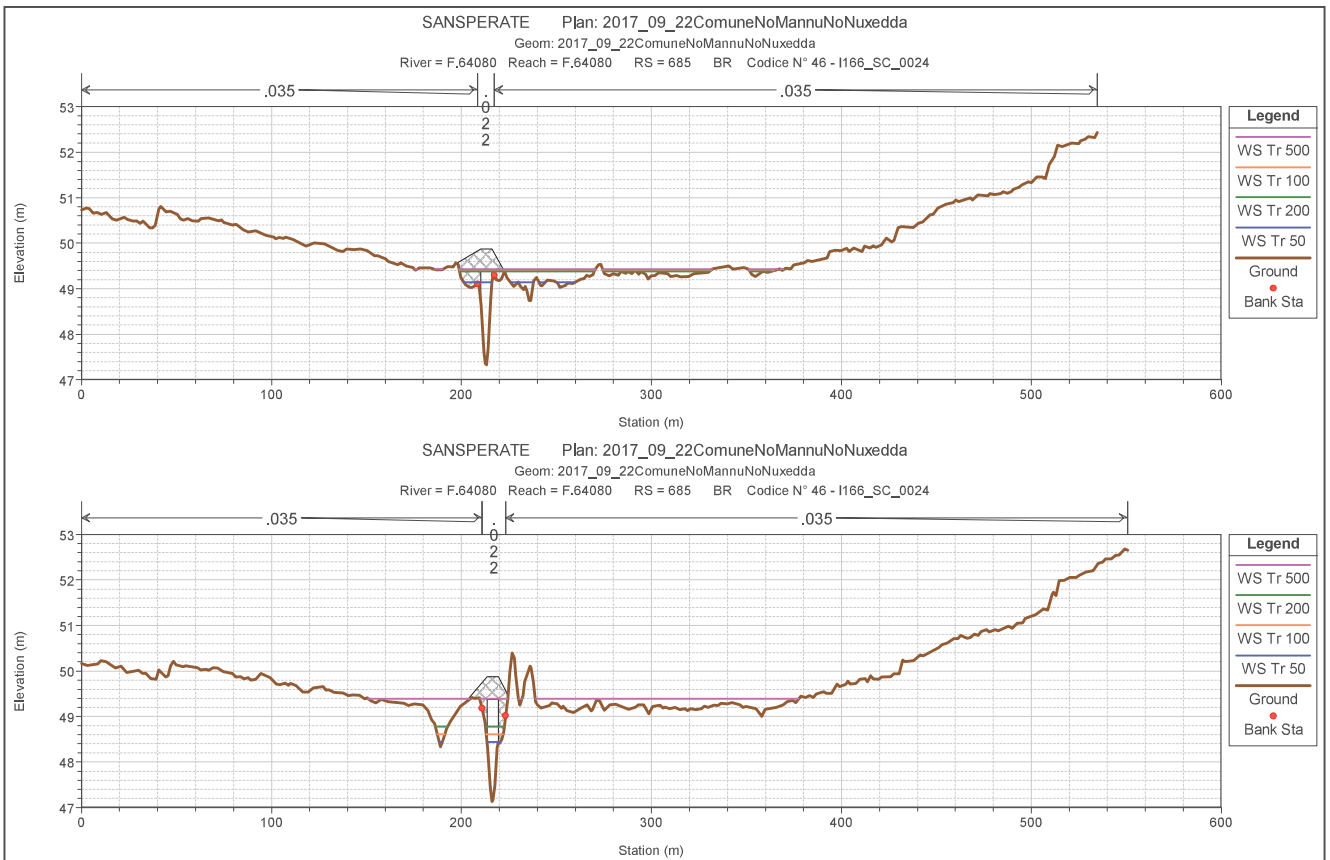


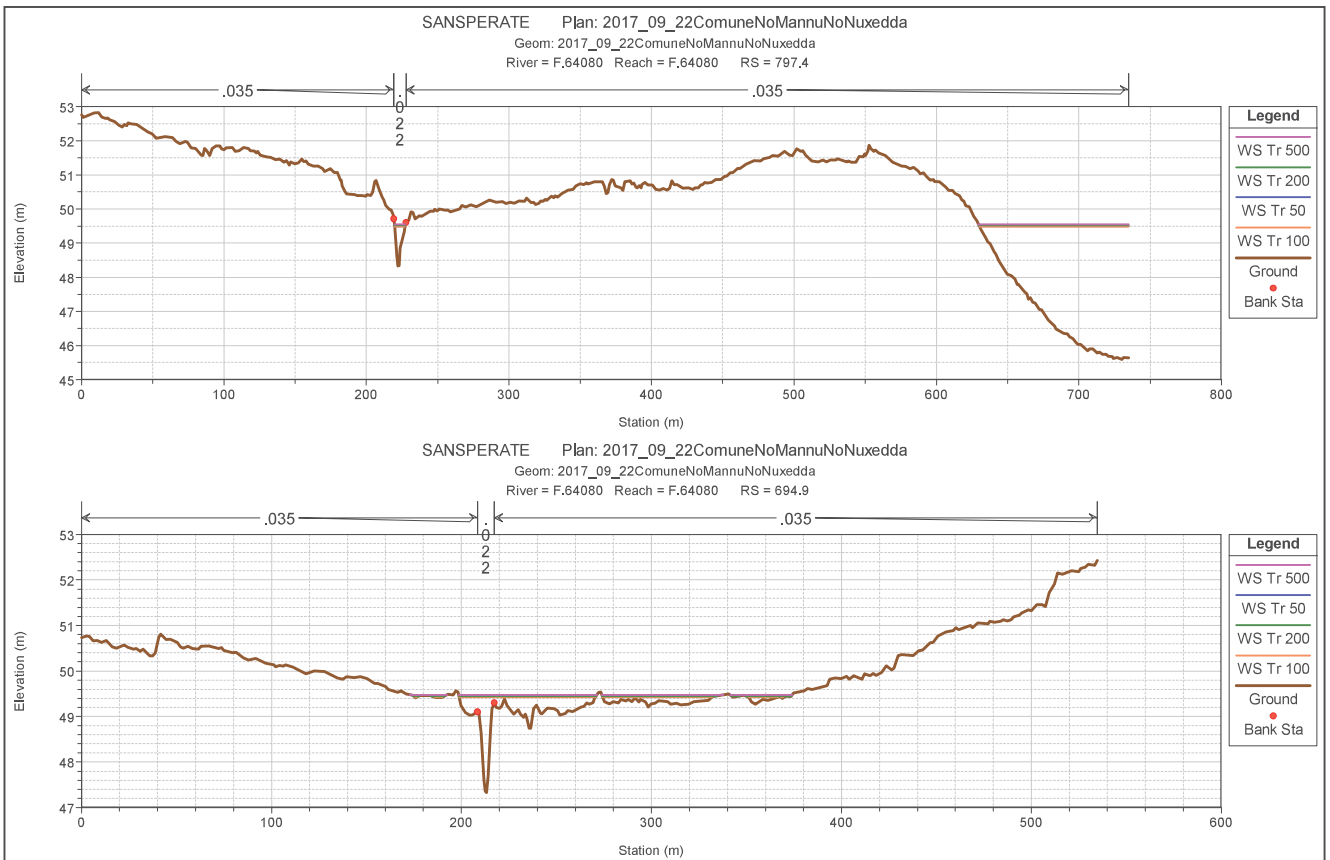


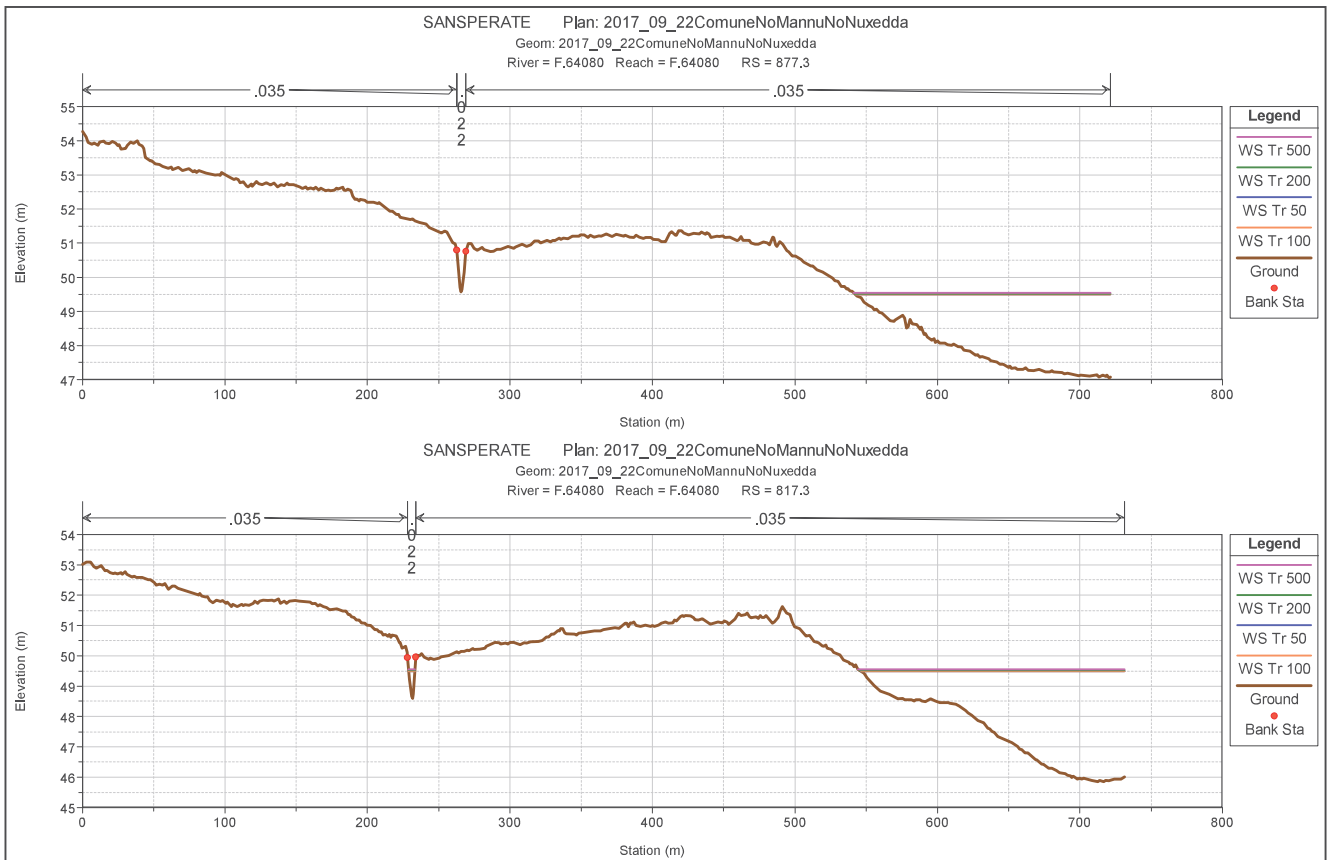


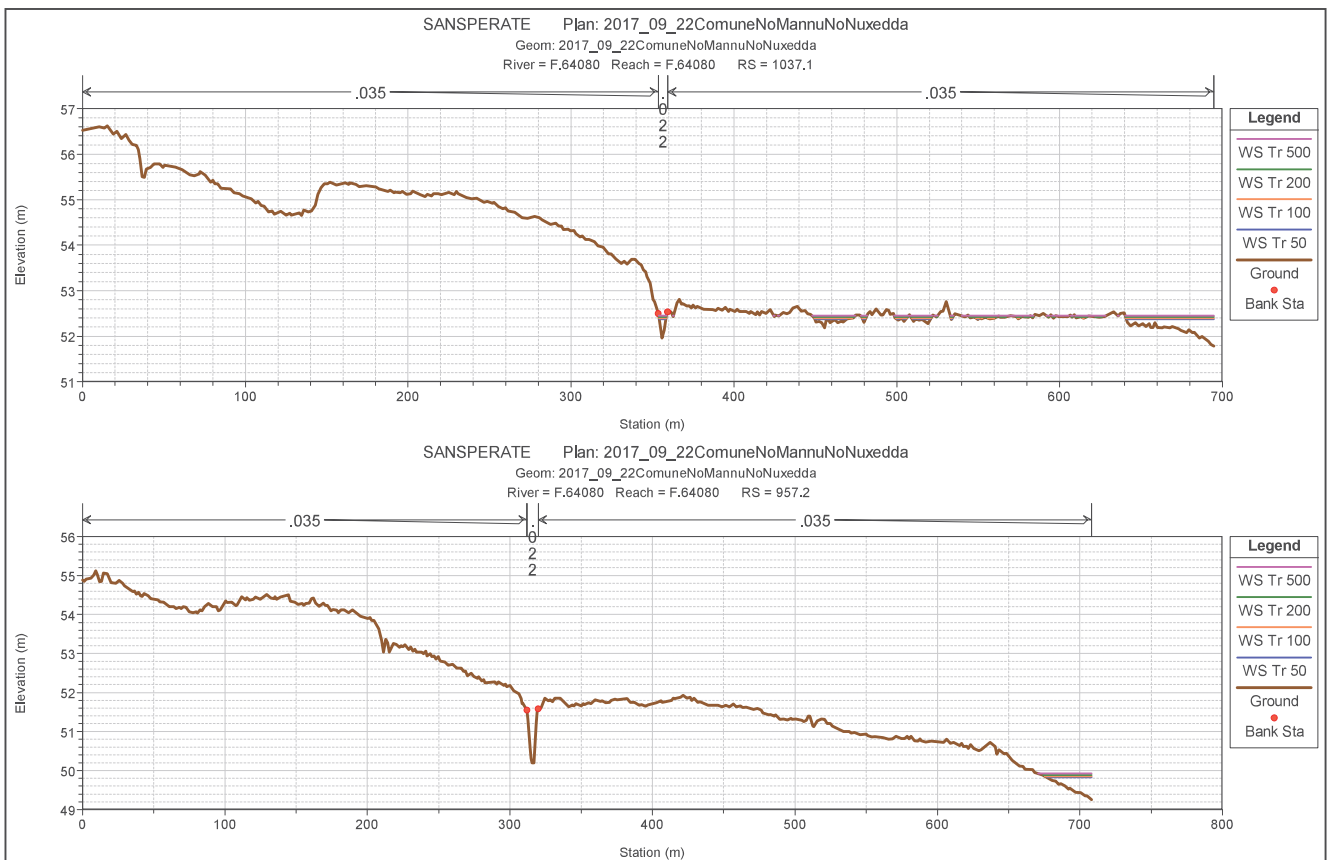


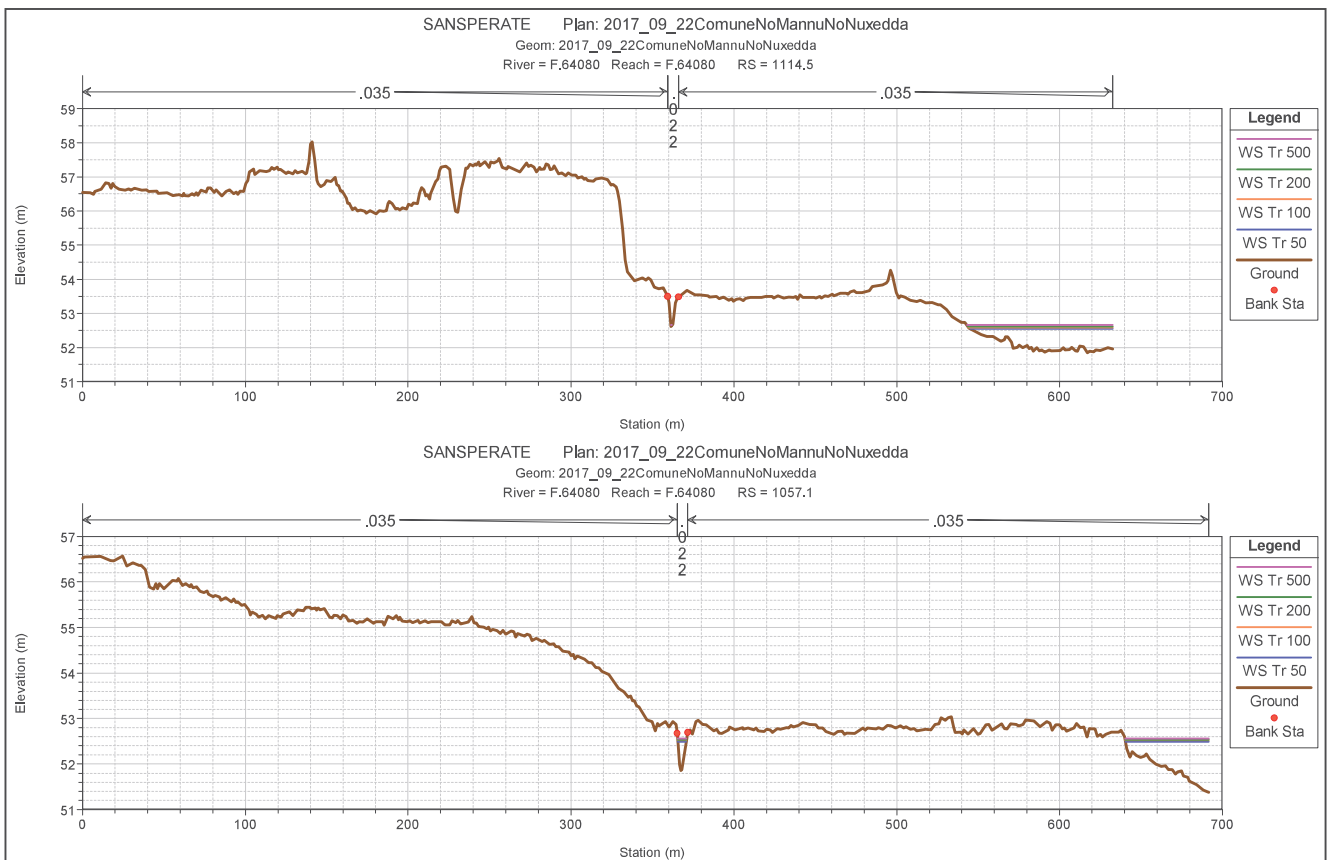


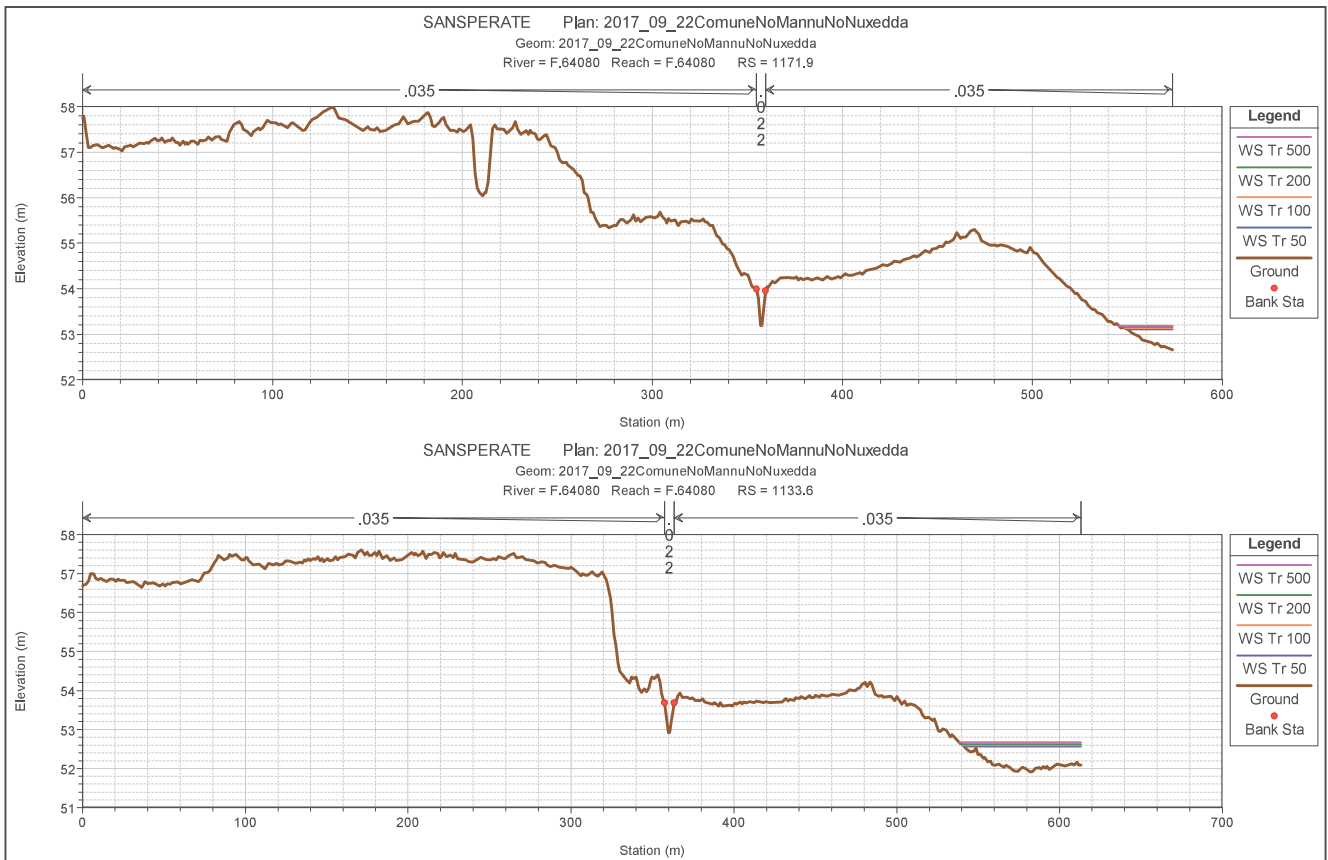


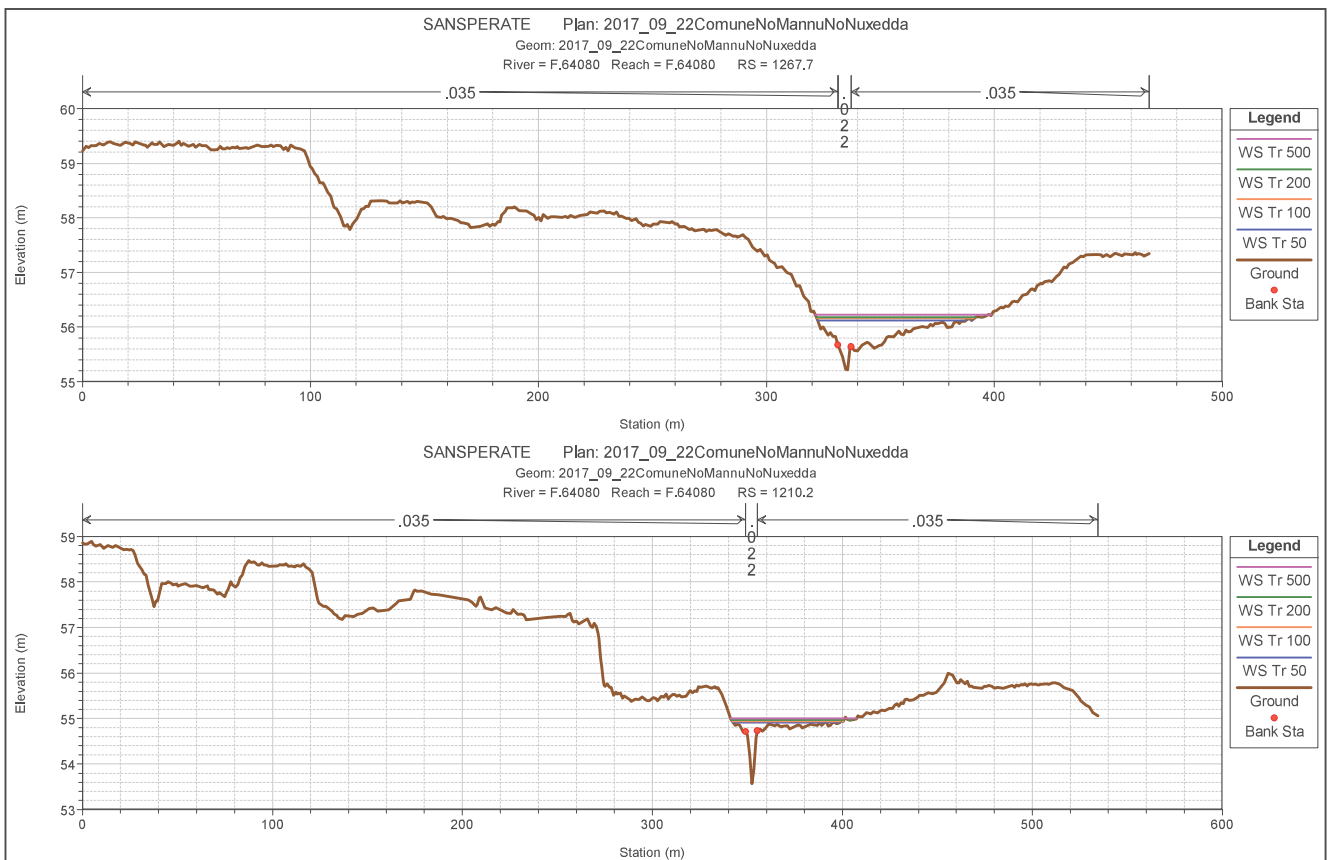












FIUME 64080

FIUME 68004

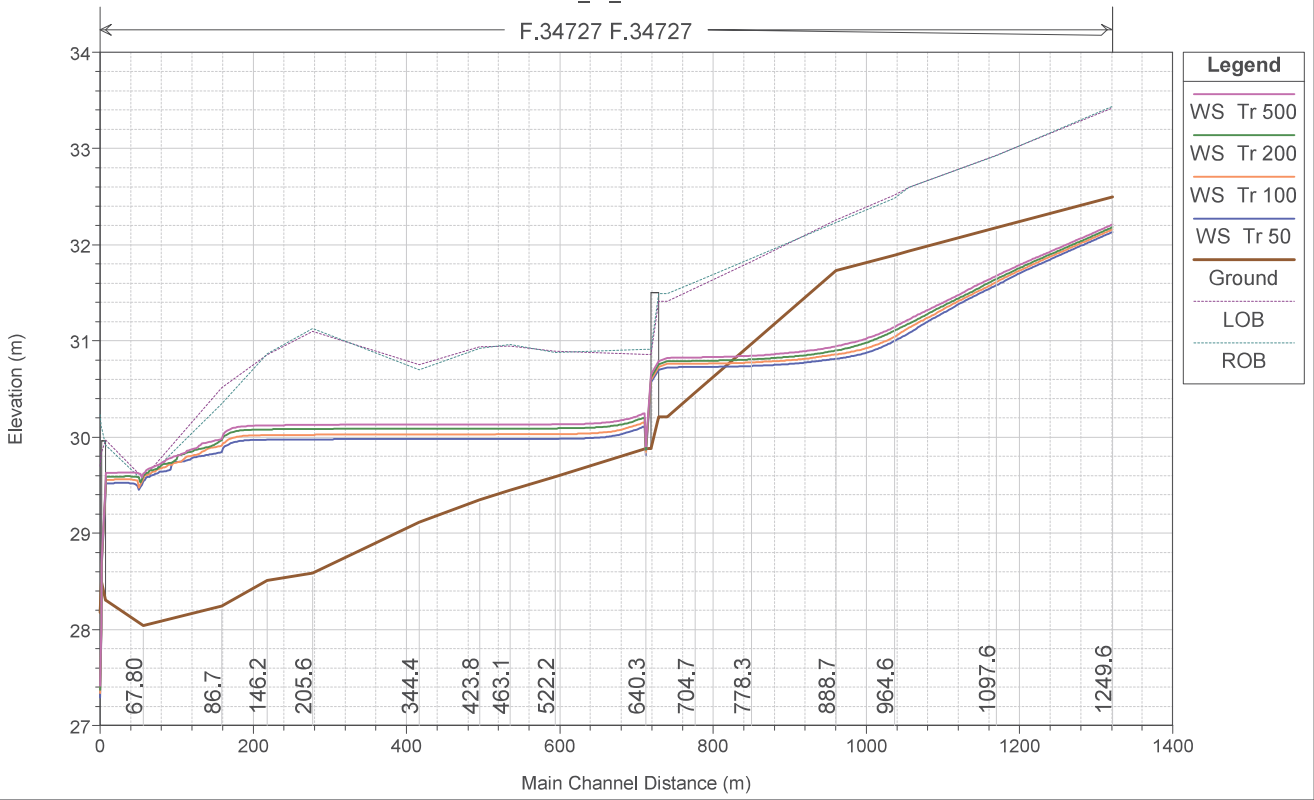
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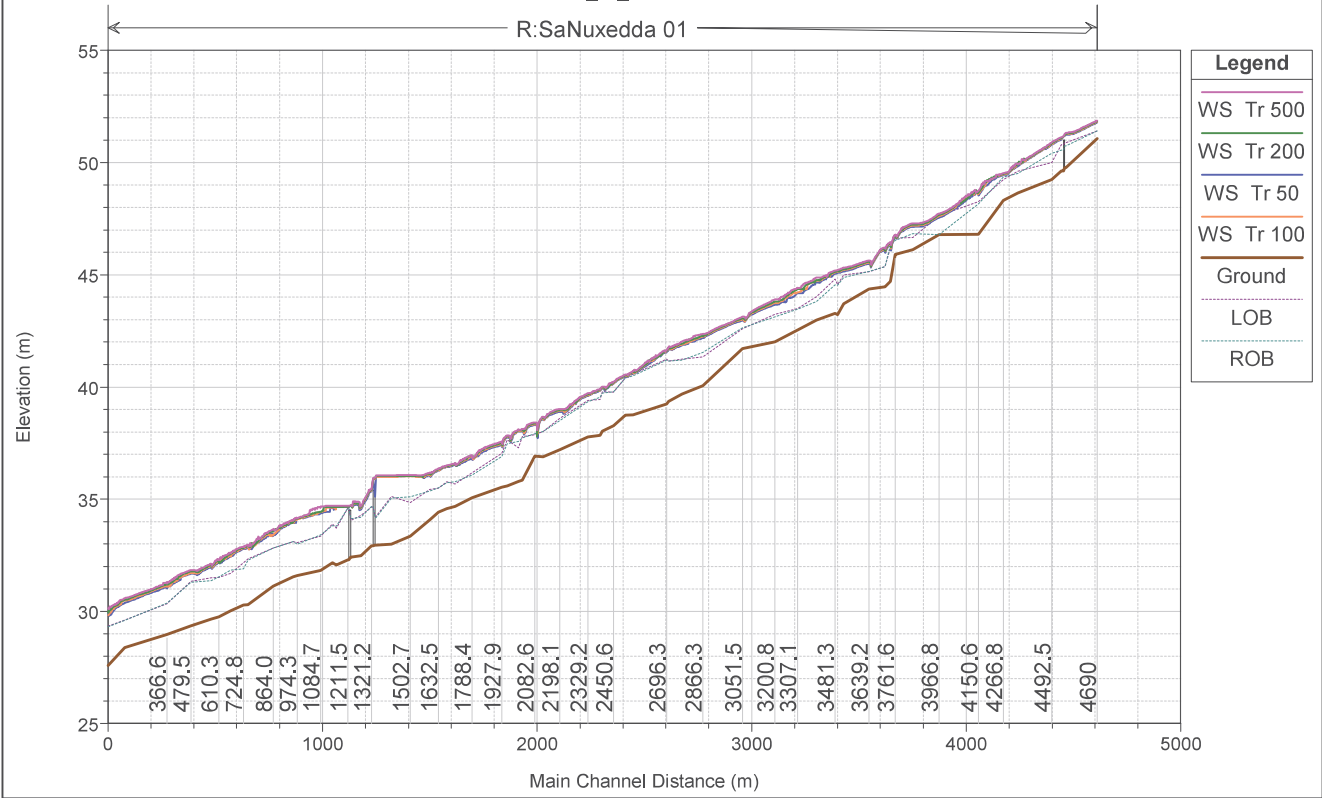
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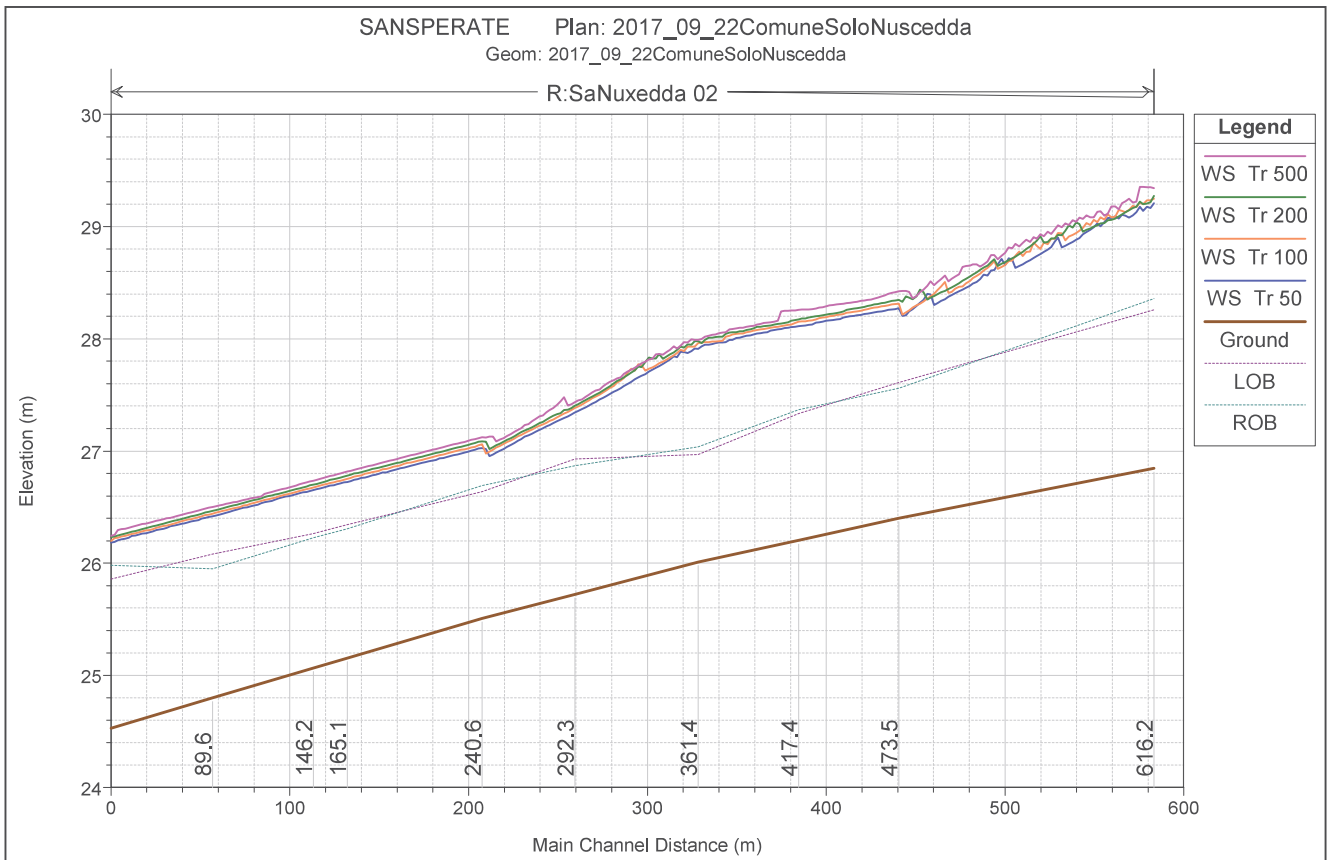
Sezioni - Tabelle - Profili

SANSPERATE Plan: 2017_09_22ComuneSoloNuscedda
 Geom: 2017_09_22ComuneSoloNuscedda



SANSPERATE Plan: 2017_09_22ComuneSoloNuscedda
 Geom: 2017_09_22ComuneSoloNuscedda





HEC-RAS Plan: 2017_09_22ComuneSoloNuscadda (Continued)

River	Reach	River Sta	Profile	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
F.34727	F.34727	86.7	Tr 500	28.59	28.24	29.98		30.09	0.002324	2.01	30.65	83.18	0.64
F.34727	F.34727	67.80	Tr 50	18.00	28.04	29.54	29.55	29.66	0.002448	1.91	23.21	122.37	0.65
F.34727	F.34727	67.80	Tr 100	21.23	28.04	29.57	29.59	29.69	0.002715	2.03	25.96	124.39	0.69
F.34727	F.34727	67.80	Tr 200	24.39	28.04	29.60	29.60	29.71	0.002609	2.04	30.28	133.20	0.68
F.34727	F.34727	67.80	Tr 500	26.59	28.04	29.62	29.62	29.74	0.002671	2.17	33.40	141.65	0.71
F.34727	F.34727	10.28	Tr 50	18.00	28.30	29.52	29.04	29.52	0.000188	0.45	67.88	143.60	0.17
F.34727	F.34727	10.28	Tr 100	21.23	28.30	29.56	29.06	29.56	0.000212	0.48	73.37	149.30	0.18
F.34727	F.34727	10.28	Tr 200	24.39	28.30	29.59	29.09	29.59	0.000238	0.51	78.08	155.36	0.20
F.34727	F.34727	10.28	Tr 500	28.59	28.30	29.63	29.11	29.63	0.000266	0.55	84.20	158.79	0.21
F.34727	F.34727	9		Bridge									
F.34727	F.34727	3.24	Tr 50	18.00	28.49	27.97	28.24	29.23	0.255509		3.62	17.87	0.00
F.34727	F.34727	3.24	Tr 100	21.23	28.49	28.00	28.34	29.28	0.222308		4.24	18.64	0.00
F.34727	F.34727	3.24	Tr 200	24.39	28.49	28.03	28.37	29.32	0.194419		4.86	19.25	0.00
F.34727	F.34727	3.24	Tr 500	28.59	28.49	28.08	28.41	29.37	0.167636		5.68	20.08	0.00
F.34727	F.34727	0.9	Tr 50	18.00	28.18	27.29	27.29	27.46	0.017971		9.93	30.43	0.00
F.34727	F.34727	0.9	Tr 100	21.23	28.18	27.34	27.34	27.52	0.017484		11.39	32.70	0.00
F.34727	F.34727	0.9	Tr 200	24.39	28.18	27.37	27.37	27.57	0.016998		12.53	32.97	0.00
F.34727	F.34727	0.9	Tr 500	28.59	28.18	27.42	27.42	27.63	0.016463		13.97	33.30	0.00

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	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
F.34727	F.34727	640.3	Tr 50	18.00	29.88	29.81	30.00	30.45	0.161785		5.07	29.20	0.00
F.34727	F.34727	640.3	Tr 100	21.23	29.88	29.84	30.04	30.48	0.134890		5.97	30.00	0.00
F.34727	F.34727	640.3	Tr 200	24.39	29.88	29.87	30.08	30.52	0.118158		6.82	30.74	0.00
F.34727	F.34727	640.3	Tr 500	28.59	29.88	29.90	30.11	30.56	0.101360	0.84	7.97	32.78	2.26
F.34727	F.34727	522.2	Tr 50	18.00	29.59	29.98		29.98	0.000078	0.15	125.01	290.99	0.10
F.34727	F.34727	522.2	Tr 100	21.23	29.59	30.03		30.03	0.000076	0.16	139.31	295.44	0.10
F.34727	F.34727	522.2	Tr 200	24.39	29.59	30.09		30.09	0.000068	0.17	157.79	337.86	0.10
F.34727	F.34727	522.2	Tr 500	28.59	29.59	30.13		30.13	0.000077	0.19	172.72	362.28	0.10
F.34727	F.34727	463.1	Tr 50	18.00	29.45	29.98		29.98	0.000010	0.07	266.70	423.32	0.04
F.34727	F.34727	463.1	Tr 100	21.23	29.45	30.03		30.03	0.000011	0.08	287.46	427.40	0.04
F.34727	F.34727	463.1	Tr 200	24.39	29.45	30.09		30.09	0.000012	0.08	313.19	436.77	0.04
F.34727	F.34727	463.1	Tr 500	28.59	29.45	30.13		30.13	0.000013	0.09	331.80	438.01	0.04
F.34727	F.34727	423.8	Tr 50	18.00	29.35	29.98		29.98	0.000003	0.04	383.36	464.35	0.02
F.34727	F.34727	423.8	Tr 100	21.23	29.35	30.03		30.03	0.000004	0.05	406.09	465.68	0.02
F.34727	F.34727	423.8	Tr 200	24.39	29.35	30.09		30.09	0.000004	0.05	433.91	467.31	0.03
F.34727	F.34727	423.8	Tr 500	28.59	29.35	30.13		30.13	0.000005	0.06	453.80	468.20	0.03
F.34727	F.34727	344.4	Tr 50	18.00	29.11	29.98		29.98	0.000006	0.07	303.44	402.60	0.03
F.34727	F.34727	344.4	Tr 100	21.23	29.11	30.03		30.03	0.000007	0.08	323.11	403.81	0.03
F.34727	F.34727	344.4	Tr 200	24.39	29.11	30.09		30.09	0.000007	0.08	347.21	404.77	0.03
F.34727	F.34727	344.4	Tr 500	28.59	29.11	30.13		30.13	0.000009	0.09	364.39	405.45	0.04
F.34727	F.34727	205.6	Tr 50	18.00	28.59	29.98		29.98	0.000058	0.28	134.26	291.47	0.10
F.34727	F.34727	205.6	Tr 100	21.23	28.59	30.02		30.03	0.000059	0.29	148.46	293.76	0.10
F.34727	F.34727	205.6	Tr 200	24.39	28.59	30.08		30.09	0.000056	0.29	166.15	300.60	0.10
F.34727	F.34727	205.6	Tr 500	28.59	28.59	30.13		30.13	0.000061	0.31	178.76	302.99	0.10
F.34727	F.34727	146.2	Tr 50	18.00	28.51	29.97		29.97	0.000044	0.26	126.67	205.03	0.09
F.34727	F.34727	146.2	Tr 100	21.23	28.51	30.02		30.02	0.000048	0.27	136.63	208.38	0.09
F.34727	F.34727	146.2	Tr 200	24.39	28.51	30.08		30.08	0.000049	0.28	149.15	211.02	0.09
F.34727	F.34727	146.2	Tr 500	28.59	28.51	30.12		30.12	0.000056	0.31	157.90	213.02	0.10
F.34727	F.34727	86.7	Tr 50	18.00	28.24	29.84		29.94	0.001948	1.76	20.97	64.28	0.58
F.34727	F.34727	86.7	Tr 100	21.23	28.24	29.91		29.99	0.001749	1.70	25.29	69.31	0.55
F.34727	F.34727	86.7	Tr 200	24.39	28.24	29.97		30.05	0.001854	1.79	29.52	82.77	0.57

HEC-RAS Plan: 2017_09_22ComuneSoloNusccheda (Continued)

River	Reach	River Sta	Profile	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
F.34727	F.34727	1097.6	Tr 50	18.00	32.18	31.58		31.60	0.003639		25.98	117.94	0.00
F.34727	F.34727	1097.6	Tr 100	21.23	32.18	31.61		31.64	0.004008		30.20	125.98	0.00
F.34727	F.34727	1097.6	Tr 200	24.39	32.18	31.64		31.67	0.003605		34.14	133.62	0.00
F.34727	F.34727	1097.6	Tr 500	28.59	32.18	31.68		31.71	0.003591		38.72	136.20	0.00
F.34727	F.34727	983.6	Tr 50	18.00	31.93	31.08		31.12	0.003842		20.79	75.77	0.00
F.34727	F.34727	983.6	Tr 100	21.23	31.93	31.14		31.17	0.004236		25.48	86.87	0.00
F.34727	F.34727	983.6	Tr 200	24.39	31.93	31.18		31.22	0.003561		29.61	97.09	0.00
F.34727	F.34727	983.6	Tr 500	28.59	31.93	31.22		31.26	0.003764		34.02	105.65	0.00
F.34727	F.34727	964.6	Tr 50	18.00	31.89	31.00		31.04	0.003840		20.42	72.44	0.00
F.34727	F.34727	964.6	Tr 100	21.23	31.89	31.04		31.08	0.003841		23.64	81.16	0.00
F.34727	F.34727	964.6	Tr 200	24.39	31.89	31.11		31.14	0.003661		29.32	95.81	0.00
F.34727	F.34727	964.6	Tr 500	28.59	31.89	31.14		31.18	0.003569		32.96	101.68	0.00
F.34727	F.34727	888.7	Tr 50	18.00	31.73	30.81		30.83	0.001123		31.31	83.62	0.00
F.34727	F.34727	888.7	Tr 100	21.23	31.73	30.86		30.88	0.001186		35.34	91.92	0.00
F.34727	F.34727	888.7	Tr 200	24.39	31.73	30.90		30.92	0.001512		39.30	102.37	0.00
F.34727	F.34727	888.7	Tr 500	28.59	31.73	30.95		30.97	0.001745		44.03	108.84	0.00
F.34727	F.34727	778.3	Tr 50	18.00	30.97	30.74		30.74	0.000380		60.27	154.05	0.00
F.34727	F.34727	778.3	Tr 100	21.23	30.97	30.78		30.78	0.000402		65.88	158.88	0.00
F.34727	F.34727	778.3	Tr 200	24.39	30.97	30.81		30.81	0.000439		71.02	165.92	0.00
F.34727	F.34727	778.3	Tr 500	28.59	30.97	30.85		30.85	0.000464		77.59	184.12	0.00
F.34727	F.34727	704.7	Tr 50	18.00	30.46	30.73		30.73	0.000094	0.11	95.78	190.79	0.10
F.34727	F.34727	704.7	Tr 100	21.23	30.46	30.76		30.76	0.000108	0.13	102.48	199.70	0.11
F.34727	F.34727	704.7	Tr 200	24.39	30.46	30.79		30.79	0.000130	0.16	108.72	211.17	0.12
F.34727	F.34727	704.7	Tr 500	28.59	30.46	30.83		30.83	0.000163	0.19	116.59	225.44	0.14
F.34727	F.34727	667.9	Tr 50	18.00	30.21	30.73	29.89	30.73	0.000055	0.14	121.20	241.89	0.08
F.34727	F.34727	667.9	Tr 100	21.23	30.21	30.76	29.92	30.76	0.000069	0.16	129.57	251.77	0.09
F.34727	F.34727	667.9	Tr 200	24.39	30.21	30.79	29.95	30.79	0.000077	0.18	137.16	255.37	0.10
F.34727	F.34727	667.9	Tr 500	28.59	30.21	30.82	29.98	30.83	0.000087	0.20	146.26	259.35	0.11
F.34727	F.34727	654		Bridge									

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /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 ²)	Top Width (m)	Froude # Chl
R:SaNuscedda	01	665.2	Tr 100	60.00	30.02	32.44	32.53	32.73	0.002431	2.78	46.43	162.58	0.73
R:SaNuscedda	01	665.2	Tr 200	68.00	30.02	32.57	32.57	32.74	0.001594	2.37	73.46	266.98	0.60
R:SaNuscedda	01	665.2	Tr 500	80.00	30.02	32.58	32.62	32.80	0.002059	2.71	76.56	272.00	0.68
R:SaNuscedda	01	610.3	Tr 50	51.00	29.76	32.17	32.17	32.36	0.001788	2.36	46.04	150.36	0.62
R:SaNuscedda	01	610.3	Tr 100	60.00	29.76	32.30	32.19	32.43	0.001292	2.12	70.21	218.91	0.53
R:SaNuscedda	01	610.3	Tr 200	68.00	29.76	32.17	32.27	32.52	0.003186	3.15	45.98	150.16	0.83
R:SaNuscedda	01	610.3	Tr 500	80.00	29.76	32.30	32.37	32.54	0.002262	2.81	70.81	220.22	0.71
R:SaNuscedda	01	573.7	Tr 50	51.00	29.65	32.00	31.99	32.15	0.001580	2.25	54.21	159.39	0.58
R:SaNuscedda	01	573.7	Tr 100	60.00	29.65	32.04	32.02	32.21	0.001813	2.45	60.39	165.61	0.62
R:SaNuscedda	01	573.7	Tr 200	68.00	29.65	32.08	32.07	32.25	0.001817	2.50	67.83	167.63	0.63
R:SaNuscedda	01	573.7	Tr 500	80.00	29.65	32.13	32.11	32.31	0.001925	2.63	76.43	171.39	0.65
R:SaNuscedda	01	479.5	Tr 50	51.00	29.35	31.68		31.75	0.001094	1.46	61.98	145.78	0.47
R:SaNuscedda	01	479.5	Tr 100	60.00	29.35	31.71		31.79	0.001246	1.59	67.31	149.78	0.50
R:SaNuscedda	01	479.5	Tr 200	68.00	29.35	31.78		31.86	0.001154	1.60	78.24	177.96	0.49
R:SaNuscedda	01	479.5	Tr 500	80.00	29.35	31.84		31.92	0.001195	1.69	88.92	184.50	0.50
R:SaNuscedda	01	366.6	Tr 50	51.00	28.97	31.11	31.10	31.29	0.001999	2.42	46.43	112.97	0.66
R:SaNuscedda	01	366.6	Tr 100	60.00	28.97	31.14	31.12	31.35	0.002426	2.70	49.77	116.29	0.73
R:SaNuscedda	01	366.6	Tr 200	68.00	28.97	31.21	31.20	31.41	0.002224	2.67	58.70	128.61	0.70
R:SaNuscedda	01	366.6	Tr 500	80.00	28.97	31.29	31.26	31.48	0.002108	2.70	69.65	135.72	0.69
R:SaNuscedda	01	170.9	Tr 50	51.00	28.38	30.38	30.38	30.58	0.002158	2.51	43.34	100.53	0.69
R:SaNuscedda	01	170.9	Tr 100	60.00	28.38	30.48	30.43	30.66	0.001899	2.47	54.13	121.46	0.65
R:SaNuscedda	01	170.9	Tr 200	68.00	28.38	30.52	30.47	30.71	0.002056	2.61	59.05	124.07	0.68
R:SaNuscedda	01	170.9	Tr 500	80.00	28.38	30.59	30.56	30.79	0.002084	2.72	68.32	133.32	0.69
R:SaNuscedda	01	93.3	Tr 50	51.00	27.57	29.83	29.90	30.15	0.002687	2.82	31.92	82.58	0.76
R:SaNuscedda	01	93.3	Tr 100	60.00	27.57	29.82	29.96	30.29	0.003912	3.38	30.94	81.02	0.92
R:SaNuscedda	01	93.3	Tr 200	68.00	27.57	29.99	30.04	30.30	0.002484	2.91	47.62	112.34	0.74
R:SaNuscedda	01	93.3	Tr 500	80.00	27.57	30.14	30.14	30.37	0.001925	2.72	65.79	137.30	0.66
F.34727	F.34727	1249.6	Tr 50	18.00	32.50	32.13	32.02	32.15	0.003467		27.69	117.12	0.00
F.34727	F.34727	1249.6	Tr 100	21.23	32.50	32.16	32.04	32.18	0.003489		30.91	118.81	0.00
F.34727	F.34727	1249.6	Tr 200	24.39	32.50	32.18	32.05	32.21	0.003500		33.67	119.78	0.00
F.34727	F.34727	1249.6	Tr 500	28.59	32.50	32.21	32.07	32.24	0.003515		37.15	121.04	0.00

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	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
R:SaNuscedda	01	1157.1	Tr 500	80.00	32.05	34.70	34.50	34.71	0.000057	0.45	387.38	497.57	0.12
R:SaNuscedda	01	1139.0	Tr 50	51.00	32.16	34.60	34.28	34.60	0.000046	0.37	316.69	499.15	0.10
R:SaNuscedda	01	1139.0	Tr 100	60.00	32.16	34.63	34.41	34.63	0.000055	0.41	332.23	500.29	0.11
R:SaNuscedda	01	1139.0	Tr 200	68.00	32.16	34.65	34.50	34.65	0.000064	0.44	342.56	501.05	0.12
R:SaNuscedda	01	1139.0	Tr 500	80.00	32.16	34.70	34.58	34.71	0.000074	0.49	368.73	502.88	0.13
R:SaNuscedda	01	1084.7	Tr 50	51.00	31.83	34.37	34.25	34.52	0.001156	2.21	61.20	190.12	0.51
R:SaNuscedda	01	1084.7	Tr 100	60.00	31.83	34.44	34.34	34.58	0.001150	2.25	74.72	214.00	0.51
R:SaNuscedda	01	1084.7	Tr 200	68.00	31.83	34.44	34.42	34.62	0.001423	2.51	76.15	216.40	0.57
R:SaNuscedda	01	1084.7	Tr 500	80.00	31.83	34.69	34.52	34.70	0.000178	0.96	267.24	467.07	0.21
R:SaNuscedda	01	974.3	Tr 50	51.00	31.59	34.16	34.03	34.23	0.000664	1.74	91.80	250.08	0.39
R:SaNuscedda	01	974.3	Tr 100	60.00	31.59	34.10	34.12	34.26	0.001311	2.40	77.58	243.36	0.55
R:SaNuscedda	01	974.3	Tr 200	68.00	31.59	34.12	34.15	34.29	0.001486	2.57	82.46	245.37	0.58
R:SaNuscedda	01	974.3	Tr 500	80.00	31.59	34.14	34.19	34.34	0.001803	2.85	87.74	248.05	0.64
R:SaNuscedda	01	955.96	Tr 50	51.00	31.53	33.97	33.97	34.11	0.001343	2.21	64.85	215.26	0.54
R:SaNuscedda	01	955.96	Tr 100	60.00	31.53	33.96	34.02	34.17	0.001946	2.66	63.27	212.06	0.65
R:SaNuscedda	01	955.96	Tr 200	68.00	31.53	33.98	34.05	34.21	0.002209	2.85	67.58	221.45	0.70
R:SaNuscedda	01	955.96	Tr 500	80.00	31.53	34.04	34.11	34.26	0.002157	2.89	81.77	239.91	0.69
R:SaNuscedda	01	864.0	Tr 50	51.00	31.13	33.38	33.50	33.70	0.002516	2.84	32.42	130.15	0.74
R:SaNuscedda	01	864.0	Tr 100	60.00	31.13	33.40	33.57	33.80	0.003191	3.23	35.14	145.98	0.84
R:SaNuscedda	01	864.0	Tr 200	68.00	31.13	33.56	33.59	33.77	0.001838	2.62	70.78	296.05	0.64
R:SaNuscedda	01	864.0	Tr 500	80.00	31.13	33.65	33.65	33.80	0.001409	2.38	102.43	352.12	0.57
R:SaNuscedda	01	744.7	Tr 50	51.00	30.31	32.83	32.78	32.97	0.001479	1.95	54.26	218.01	0.56
R:SaNuscedda	01	744.7	Tr 100	60.00	30.31	32.86	32.83	33.03	0.001745	2.16	62.66	243.43	0.61
R:SaNuscedda	01	744.7	Tr 200	68.00	30.31	32.91	32.90	33.07	0.001702	2.19	75.75	282.11	0.61
R:SaNuscedda	01	744.7	Tr 500	80.00	30.31	32.97	32.96	33.12	0.001630	2.20	92.62	296.39	0.60
R:SaNuscedda	01	724.8	Tr 50	51.00	30.28	32.79	32.77	32.92	0.001190	2.09	74.30	298.32	0.51
R:SaNuscedda	01	724.8	Tr 100	60.00	30.28	32.82	32.81	32.96	0.001379	2.28	81.83	309.92	0.55
R:SaNuscedda	01	724.8	Tr 200	68.00	30.28	32.86	32.85	32.99	0.001291	2.24	96.46	330.63	0.54
R:SaNuscedda	01	724.8	Tr 500	80.00	30.28	32.89	32.88	33.03	0.001502	2.44	104.71	337.58	0.58
R:SaNuscedda	01	665.2	Tr 50	51.00	30.02	32.42	32.48	32.65	0.001939	2.46	43.41	150.79	0.65

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	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
R:SaNuscedda	01	1413.7	Tr 50	51.00	32.99	36.02		36.03	0.000068	0.54	328.98	745.54	0.12
R:SaNuscedda	01	1413.7	Tr 100	60.00	32.99	36.00		36.01	0.000106	0.68	314.66	743.75	0.16
R:SaNuscedda	01	1413.7	Tr 200	68.00	32.99	36.03		36.04	0.000115	0.71	334.40	746.25	0.16
R:SaNuscedda	01	1413.7	Tr 500	80.00	32.99	36.06		36.07	0.000128	0.76	360.01	750.49	0.17
R:SaNuscedda	01	1342.5	Tr 50	51.00	32.94	36.02	35.14	36.02	0.000023	0.39	478.09	845.14	0.08
R:SaNuscedda	01	1342.5	Tr 100	60.00	32.94	36.00	35.22	36.00	0.000035	0.48	461.35	840.76	0.10
R:SaNuscedda	01	1342.5	Tr 200	68.00	32.94	36.03	35.26	36.03	0.000039	0.51	483.18	845.56	0.10
R:SaNuscedda	01	1342.5	Tr 500	80.00	32.94	36.06	35.40	36.06	0.000047	0.56	511.56	846.71	0.11
R:SaNuscedda	01	1332		Bridge									
R:SaNuscedda	01	1321.2	Tr 50	51.00	32.92	35.36		35.44	0.000904	1.77	74.77	286.32	0.44
R:SaNuscedda	01	1321.2	Tr 100	60.00	32.92	35.39		35.48	0.001040	1.93	84.52	335.62	0.47
R:SaNuscedda	01	1321.2	Tr 200	68.00	32.92	35.42		35.51	0.001119	2.02	95.39	407.71	0.49
R:SaNuscedda	01	1321.2	Tr 500	80.00	32.92	35.44	35.39	35.55	0.001322	2.22	106.19	448.74	0.54
R:SaNuscedda	01	1272.1	Tr 50	51.00	32.49	34.54	34.79	35.21	0.006862	3.84	20.85	103.05	1.17
R:SaNuscedda	01	1272.1	Tr 100	60.00	32.49	34.61	34.82	35.25	0.006625	3.92	29.12	176.12	1.16
R:SaNuscedda	01	1272.1	Tr 200	68.00	32.49	34.64	34.84	35.29	0.006807	4.05	36.00	212.57	1.19
R:SaNuscedda	01	1272.1	Tr 500	80.00	32.49	34.69	34.87	35.31	0.006687	4.13	48.66	258.42	1.18
R:SaNuscedda	01	1230.1	Tr 50	51.00	32.42	34.73	34.50	34.73	0.000021	0.26	383.17	423.64	0.07
R:SaNuscedda	01	1230.1	Tr 100	60.00	32.42	34.73	34.55	34.73	0.000029	0.31	383.33	423.67	0.08
R:SaNuscedda	01	1230.1	Tr 200	68.00	32.42	34.73	34.57	34.73	0.000037	0.35	383.49	423.71	0.09
R:SaNuscedda	01	1230.1	Tr 500	80.00	32.42	34.73	34.67	34.74	0.000051	0.41	383.77	423.78	0.10
R:SaNuscedda	01	1220		Bridge									
R:SaNuscedda	01	1211.5	Tr 50	51.00	32.31	34.65	34.02	34.65	0.000019	0.22	398.35	457.88	0.06
R:SaNuscedda	01	1211.5	Tr 100	60.00	32.31	34.69	34.06	34.69	0.000025	0.26	417.12	463.57	0.07
R:SaNuscedda	01	1211.5	Tr 200	68.00	32.31	34.65	34.09	34.66	0.000032	0.29	401.90	459.37	0.08
R:SaNuscedda	01	1211.5	Tr 500	80.00	32.31	34.71	34.13	34.71	0.000042	0.34	426.37	465.51	0.09
R:SaNuscedda	01	1157.1	Tr 50	51.00	32.05	34.64	34.16	34.65	0.000029	0.31	358.40	491.87	0.08
R:SaNuscedda	01	1157.1	Tr 100	60.00	32.05	34.69	34.18	34.69	0.000034	0.34	378.32	495.85	0.09
R:SaNuscedda	01	1157.1	Tr 200	68.00	32.05	34.65	34.36	34.65	0.000050	0.41	361.45	492.49	0.11

HEC-RAS Plan: 2017_09_22ComuneSoloNusedda (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /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 ²)	Top Width (m)	Froude # Chl
R:SaNusedda	01	1954.3	Tr 100	60.00	35.59	37.79		37.83	0.000701	1.34	99.97	241.60	0.38
R:SaNusedda	01	1954.3	Tr 200	68.00	35.59	37.81		37.87	0.000965	1.59	104.11	248.70	0.45
R:SaNusedda	01	1954.3	Tr 500	80.00	35.59	37.84		37.91	0.001124	1.75	112.44	264.85	0.49
R:SaNusedda	01	1927.9	Tr 50	51.00	35.53	37.41	37.38	37.55	0.001894	2.15	52.75	140.51	0.63
R:SaNusedda	01	1927.9	Tr 100	60.00	35.53	37.47	37.44	37.60	0.001919	2.22	60.40	150.16	0.64
R:SaNusedda	01	1927.9	Tr 200	68.00	35.53	37.51	37.46	37.65	0.001965	2.30	66.81	166.67	0.65
R:SaNusedda	01	1927.9	Tr 500	80.00	35.53	37.57	37.52	37.71	0.001955	2.37	78.79	229.90	0.65
R:SaNusedda	01	1788.4	Tr 50	51.00	35.08	36.82		36.95	0.002058	2.34	56.41	151.56	0.67
R:SaNusedda	01	1788.4	Tr 100	60.00	35.08	36.89		37.01	0.001838	2.29	67.79	164.53	0.63
R:SaNusedda	01	1788.4	Tr 200	68.00	35.08	36.94		37.05	0.001783	2.31	75.87	177.95	0.63
R:SaNusedda	01	1788.4	Tr 500	80.00	35.08	36.96		37.09	0.002157	2.57	80.07	180.87	0.69
R:SaNusedda	01	1710.4	Tr 50	51.00	34.68	36.53		36.59	0.001324	1.95	86.03	387.50	0.53
R:SaNusedda	01	1710.4	Tr 100	60.00	34.68	36.57		36.63	0.001295	1.96	103.37	439.72	0.52
R:SaNusedda	01	1710.4	Tr 200	68.00	34.68	36.59		36.65	0.001420	2.07	112.46	461.61	0.55
R:SaNusedda	01	1710.4	Tr 500	80.00	34.68	36.62		36.68	0.001577	2.21	125.51	494.55	0.58
R:SaNusedda	01	1671.5	Tr 50	51.00	34.58	36.44		36.50	0.001269	1.83	95.68	490.05	0.52
R:SaNusedda	01	1671.5	Tr 100	60.00	34.58	36.46		36.53	0.001503	2.01	105.13	508.91	0.56
R:SaNusedda	01	1671.5	Tr 200	68.00	34.58	36.48		36.55	0.001579	2.09	116.82	526.02	0.58
R:SaNusedda	01	1671.5	Tr 500	80.00	34.58	36.51		36.58	0.001800	2.26	128.88	532.76	0.62
R:SaNusedda	01	1632.5	Tr 50	51.00	34.42	36.29	36.27	36.37	0.001716	2.14	86.73	434.34	0.59
R:SaNusedda	01	1632.5	Tr 100	60.00	34.42	36.32	36.29	36.39	0.001834	2.24	98.61	476.99	0.62
R:SaNusedda	01	1632.5	Tr 200	68.00	34.42	36.34	36.31	36.41	0.001952	2.33	108.13	507.68	0.64
R:SaNusedda	01	1632.5	Tr 500	80.00	34.42	36.37		36.44	0.001957	2.38	125.64	533.55	0.64
R:SaNusedda	01	1593.6	Tr 50	51.00	34.08	36.08	36.06	36.17	0.001358	2.01	84.50	428.31	0.54
R:SaNusedda	01	1593.6	Tr 100	60.00	34.08	36.12	36.08	36.20	0.001359	2.04	102.16	489.08	0.54
R:SaNusedda	01	1593.6	Tr 200	68.00	34.08	36.16	36.12	36.23	0.001310	2.04	122.46	535.81	0.53
R:SaNusedda	01	1593.6	Tr 500	80.00	34.08	36.19	36.14	36.26	0.001337	2.09	140.90	573.21	0.54
R:SaNusedda	01	1502.7	Tr 50	51.00	33.35	36.03		36.04	0.000121	0.74	251.33	700.94	0.17
R:SaNusedda	01	1502.7	Tr 100	60.00	33.35	36.01		36.02	0.000186	0.92	240.28	693.12	0.21
R:SaNusedda	01	1502.7	Tr 200	68.00	33.35	36.04		36.05	0.000207	0.98	259.00	704.33	0.22
R:SaNusedda	01	1502.7	Tr 500	80.00	33.35	36.07		36.09	0.000228	1.04	284.17	714.41	0.23

HEC-RAS Plan: 2017_09_22ComuneSoloNuschedda (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /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 ²)	Top Width (m)	Froude # Chl
R:SaNuxedda	01	2396.3	Tr 500	80.00	38.03	40.02		40.06	0.001408	1.70	122.29	332.11	0.52
R:SaNuxedda	01	2385.5	Tr 50	51.00	37.86	39.83	39.83	39.92	0.001827	2.07	78.24	316.38	0.60
R:SaNuxedda	01	2385.5	Tr 100	60.00	37.86	39.86	39.86	39.95	0.001935	2.16	87.18	321.33	0.62
R:SaNuxedda	01	2385.5	Tr 200	68.00	37.86	39.87	39.87	39.97	0.002236	2.33	90.90	323.36	0.67
R:SaNuxedda	01	2385.5	Tr 500	80.00	37.86	39.91	39.89	40.01	0.002256	2.39	102.82	334.41	0.67
R:SaNuxedda	01	2329.2	Tr 50	51.00	37.78	39.61	39.59	39.70	0.002251	2.15	75.38	370.65	0.65
R:SaNuxedda	01	2329.2	Tr 100	60.00	37.78	39.65		39.73	0.002250	2.20	89.62	440.45	0.65
R:SaNuxedda	01	2329.2	Tr 200	68.00	37.78	39.69		39.75	0.001914	2.07	108.40	497.45	0.61
R:SaNuxedda	01	2329.2	Tr 500	80.00	37.78	39.72		39.78	0.001853	2.09	128.96	542.50	0.60
R:SaNuxedda	01	2198.1	Tr 50	51.00	37.21	38.89		38.94	0.001389	1.66	70.85	179.84	0.52
R:SaNuxedda	01	2198.1	Tr 100	60.00	37.21	38.94		38.99	0.001382	1.71	80.42	182.62	0.52
R:SaNuxedda	01	2198.1	Tr 200	68.00	37.21	38.98		39.03	0.001453	1.79	86.68	184.42	0.54
R:SaNuxedda	01	2198.1	Tr 500	80.00	37.21	39.03		39.09	0.001550	1.90	95.93	192.10	0.56
R:SaNuxedda	01	2121.0	Tr 50	51.00	36.89	38.57		38.65	0.002102	2.15	65.76	188.83	0.65
R:SaNuxedda	01	2121.0	Tr 100	60.00	36.89	38.61		38.69	0.002216	2.25	72.42	193.93	0.67
R:SaNuxedda	01	2121.0	Tr 200	68.00	36.89	38.65		38.73	0.002056	2.23	81.28	201.77	0.65
R:SaNuxedda	01	2121.0	Tr 500	80.00	36.89	38.69		38.77	0.002254	2.38	89.09	241.79	0.68
R:SaNuxedda	01	2082.6	Tr 50	51.00	36.92	38.29		38.32	0.000400	0.88	74.51	181.31	0.28
R:SaNuxedda	01	2082.6	Tr 100	60.00	36.92	38.34		38.37	0.000482	1.00	83.59	196.13	0.31
R:SaNuxedda	01	2082.6	Tr 200	68.00	36.92	38.37		38.41	0.000563	1.10	90.23	203.90	0.33
R:SaNuxedda	01	2082.6	Tr 500	80.00	36.92	38.42		38.46	0.000680	1.24	99.63	221.53	0.37
R:SaNuxedda	01	2024.2	Tr 50	51.00	35.85	38.02		38.10	0.001287	1.83	65.86	169.06	0.51
R:SaNuxedda	01	2024.2	Tr 100	60.00	35.85	38.06		38.15	0.001434	1.97	72.86	196.68	0.54
R:SaNuxedda	01	2024.2	Tr 200	68.00	35.85	38.08		38.19	0.001790	2.23	76.87	215.69	0.61
R:SaNuxedda	01	2024.2	Tr 500	80.00	35.85	38.14		38.26	0.001852	2.33	91.28	236.02	0.62
R:SaNuxedda	01	2006.7	Tr 50	51.00	35.79	38.02		38.07	0.000768	1.50	81.88	217.24	0.40
R:SaNuxedda	01	2006.7	Tr 100	60.00	35.79	38.05		38.11	0.000887	1.64	89.87	255.87	0.43
R:SaNuxedda	01	2006.7	Tr 200	68.00	35.79	38.08		38.14	0.000965	1.73	97.86	270.10	0.45
R:SaNuxedda	01	2006.7	Tr 500	80.00	35.79	38.12		38.18	0.001121	1.90	106.89	287.25	0.49
R:SaNuxedda	01	1954.3	Tr 50	51.00	35.59	37.75		37.79	0.000638	1.25	90.21	228.86	0.36

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	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
R:SaNuxedda	01	2866.3	Tr 50	51.00	40.05	42.20	42.19	42.35	0.001881	2.46	55.80	198.67	0.63
R:SaNuxedda	01	2866.3	Tr 100	60.00	40.05	42.26	42.24	42.39	0.001782	2.46	68.47	208.12	0.62
R:SaNuxedda	01	2866.3	Tr 200	68.00	40.05	42.29	42.29	42.43	0.001855	2.55	75.82	215.99	0.63
R:SaNuxedda	01	2866.3	Tr 500	80.00	40.05	42.37		42.49	0.001722	2.53	93.49	232.96	0.61
R:SaNuxedda	01	2768.7	Tr 50	51.00	39.68	41.87		42.03	0.001974	2.36	50.29	129.28	0.64
R:SaNuxedda	01	2768.7	Tr 100	60.00	39.68	41.89	41.87	42.08	0.002466	2.66	52.93	143.77	0.72
R:SaNuxedda	01	2768.7	Tr 200	68.00	39.68	41.94	41.94	42.13	0.002446	2.72	61.08	172.19	0.72
R:SaNuxedda	01	2768.7	Tr 500	80.00	39.68	42.02	42.02	42.20	0.002327	2.75	76.54	201.07	0.71
R:SaNuxedda	01	2705.5	Tr 50	51.00	39.37	41.67		41.76	0.001348	1.99	69.44	198.03	0.52
R:SaNuxedda	01	2705.5	Tr 100	60.00	39.37	41.70		41.81	0.001565	2.17	75.59	203.98	0.56
R:SaNuxedda	01	2705.5	Tr 200	68.00	39.37	41.72		41.84	0.001771	2.33	79.64	206.75	0.60
R:SaNuxedda	01	2705.5	Tr 500	80.00	39.37	41.79		41.90	0.001697	2.35	94.74	220.39	0.59
R:SaNuxedda	01	2696.3	Tr 50	51.00	39.25	41.55	41.58	41.74	0.002675	2.63	55.26	214.20	0.71
R:SaNuxedda	01	2696.3	Tr 100	60.00	39.25	41.59	41.63	41.77	0.002670	2.68	64.72	232.04	0.71
R:SaNuxedda	01	2696.3	Tr 200	68.00	39.25	41.61	41.67	41.81	0.003055	2.89	68.73	234.00	0.76
R:SaNuxedda	01	2696.3	Tr 500	80.00	39.25	41.64	41.68	41.85	0.003403	3.08	75.26	235.45	0.81
R:SaNuxedda	01	2541.3	Tr 50	51.00	38.75	40.59	40.64	40.78	0.004270	2.84	53.18	271.89	0.89
R:SaNuxedda	01	2541.3	Tr 100	60.00	38.75	40.67	40.66	40.77	0.002701	2.37	76.37	305.39	0.71
R:SaNuxedda	01	2541.3	Tr 200	68.00	38.75	40.67	40.68	40.81	0.003513	2.71	77.02	306.10	0.81
R:SaNuxedda	01	2541.3	Tr 500	80.00	38.75	40.70	40.72	40.84	0.003586	2.79	87.17	322.00	0.83
R:SaNuxedda	01	2505.0	Tr 50	51.00	38.73	40.48		40.54	0.002312	1.88	73.38	303.25	0.64
R:SaNuxedda	01	2505.0	Tr 100	60.00	38.73	40.50		40.57	0.002436	1.96	81.66	313.30	0.66
R:SaNuxedda	01	2505.0	Tr 200	68.00	38.73	40.53		40.59	0.002505	2.03	89.00	321.94	0.67
R:SaNuxedda	01	2505.0	Tr 500	80.00	38.73	40.56		40.62	0.002616	2.12	99.00	326.42	0.69
R:SaNuxedda	01	2450.6	Tr 50	51.00	38.27	40.16	40.21	40.34	0.003288	2.76	63.52	353.22	0.80
R:SaNuxedda	01	2450.6	Tr 100	60.00	38.27	40.19	40.24	40.36	0.003479	2.88	72.64	367.36	0.83
R:SaNuxedda	01	2450.6	Tr 200	68.00	38.27	40.20	40.26	40.38	0.003709	3.00	78.89	376.94	0.86
R:SaNuxedda	01	2450.6	Tr 500	80.00	38.27	40.23	40.29	40.41	0.003804	3.09	89.89	396.51	0.87
R:SaNuxedda	01	2396.3	Tr 50	51.00	38.03	39.93		39.96	0.001138	1.45	95.88	296.05	0.46
R:SaNuxedda	01	2396.3	Tr 100	60.00	38.03	39.96		40.00	0.001205	1.52	105.32	300.22	0.48
R:SaNuxedda	01	2396.3	Tr 200	68.00	38.03	39.99		40.02	0.001290	1.60	112.27	310.68	0.49

HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

River	Reach	River Sta	Profile	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
R:SaNuscedda	01	3639.2	Tr 200	68.00	44.37	45.58		45.64	0.001697	1.74	79.60	181.95	0.58
R:SaNuscedda	01	3639.2	Tr 500	80.00	44.37	45.64		45.70	0.001822	1.88	90.68	205.77	0.61
R:SaNuscedda	01	3521.3	Tr 50	51.00	43.70	45.16		45.20	0.001680	1.55	69.70	167.74	0.55
R:SaNuscedda	01	3521.3	Tr 100	60.00	43.70	45.22		45.26	0.001600	1.59	80.39	179.27	0.55
R:SaNuscedda	01	3521.3	Tr 200	68.00	43.70	45.25		45.30	0.001715	1.69	86.57	188.91	0.57
R:SaNuscedda	01	3521.3	Tr 500	80.00	43.70	45.31		45.36	0.001666	1.74	98.84	202.38	0.57
R:SaNuscedda	01	3494.0	Tr 50	51.00	43.21	45.09		45.15	0.001194	1.66	68.71	168.09	0.49
R:SaNuscedda	01	3494.0	Tr 100	60.00	43.21	45.14		45.21	0.001276	1.77	78.69	199.43	0.52
R:SaNuscedda	01	3494.0	Tr 200	68.00	43.21	45.17		45.24	0.001509	1.96	83.71	214.05	0.56
R:SaNuscedda	01	3494.0	Tr 500	80.00	43.21	45.21		45.31	0.001932	2.26	93.01	231.85	0.64
R:SaNuscedda	01	3481.3	Tr 50	51.00	43.27	45.04		45.12	0.002039	2.09	62.48	169.09	0.62
R:SaNuscedda	01	3481.3	Tr 100	60.00	43.27	45.10		45.18	0.001936	2.10	73.07	199.11	0.61
R:SaNuscedda	01	3481.3	Tr 200	68.00	43.27	45.13		45.21	0.002116	2.23	78.78	215.75	0.64
R:SaNuscedda	01	3481.3	Tr 500	80.00	43.27	45.19		45.27	0.002086	2.29	92.17	250.77	0.64
R:SaNuscedda	01	3395.1	Tr 50	51.00	42.98	44.67		44.78	0.001535	2.04	58.16	141.91	0.58
R:SaNuscedda	01	3395.1	Tr 100	60.00	42.98	44.74		44.85	0.001501	2.09	68.85	153.98	0.58
R:SaNuscedda	01	3395.1	Tr 200	68.00	42.98	44.77		44.89	0.001684	2.24	72.91	157.97	0.61
R:SaNuscedda	01	3395.1	Tr 500	80.00	42.98	44.87		44.97	0.001424	2.16	89.99	177.07	0.57
R:SaNuscedda	01	3307.1	Tr 50	51.00	42.54	44.19		44.38	0.002466	2.44	36.10	68.59	0.73
R:SaNuscedda	01	3307.1	Tr 100	60.00	42.54	44.22	44.14	44.46	0.003068	2.78	38.69	73.30	0.81
R:SaNuscedda	01	3307.1	Tr 200	68.00	42.54	44.37	44.18	44.56	0.002232	2.56	53.00	148.53	0.71
R:SaNuscedda	01	3307.1	Tr 500	80.00	42.54	44.42	44.32	44.65	0.002635	2.86	62.22	194.97	0.77
R:SaNuscedda	01	3200.8	Tr 50	51.00	42.01	43.67		43.84	0.002827	2.51	37.54	70.74	0.76
R:SaNuscedda	01	3200.8	Tr 100	60.00	42.01	43.74		43.92	0.002816	2.61	42.82	74.90	0.77
R:SaNuscedda	01	3200.8	Tr 200	68.00	42.01	43.80		43.99	0.002801	2.70	47.41	78.34	0.77
R:SaNuscedda	01	3200.8	Tr 500	80.00	42.01	43.90		44.09	0.002676	2.77	55.40	87.39	0.76
R:SaNuscedda	01	3051.5	Tr 50	51.00	41.71	42.97		43.03	0.002876	2.03	54.45	136.47	0.71
R:SaNuscedda	01	3051.5	Tr 100	60.00	41.71	43.02		43.09	0.002843	2.10	61.63	163.00	0.72
R:SaNuscedda	01	3051.5	Tr 200	68.00	41.71	43.06		43.13	0.002786	2.14	68.44	172.82	0.72
R:SaNuscedda	01	3051.5	Tr 500	80.00	41.71	43.13		43.21	0.003017	2.35	81.84	189.70	0.75

HEC-RAS Plan: 2017_09_22ComuneSoloNusedda (Continued)

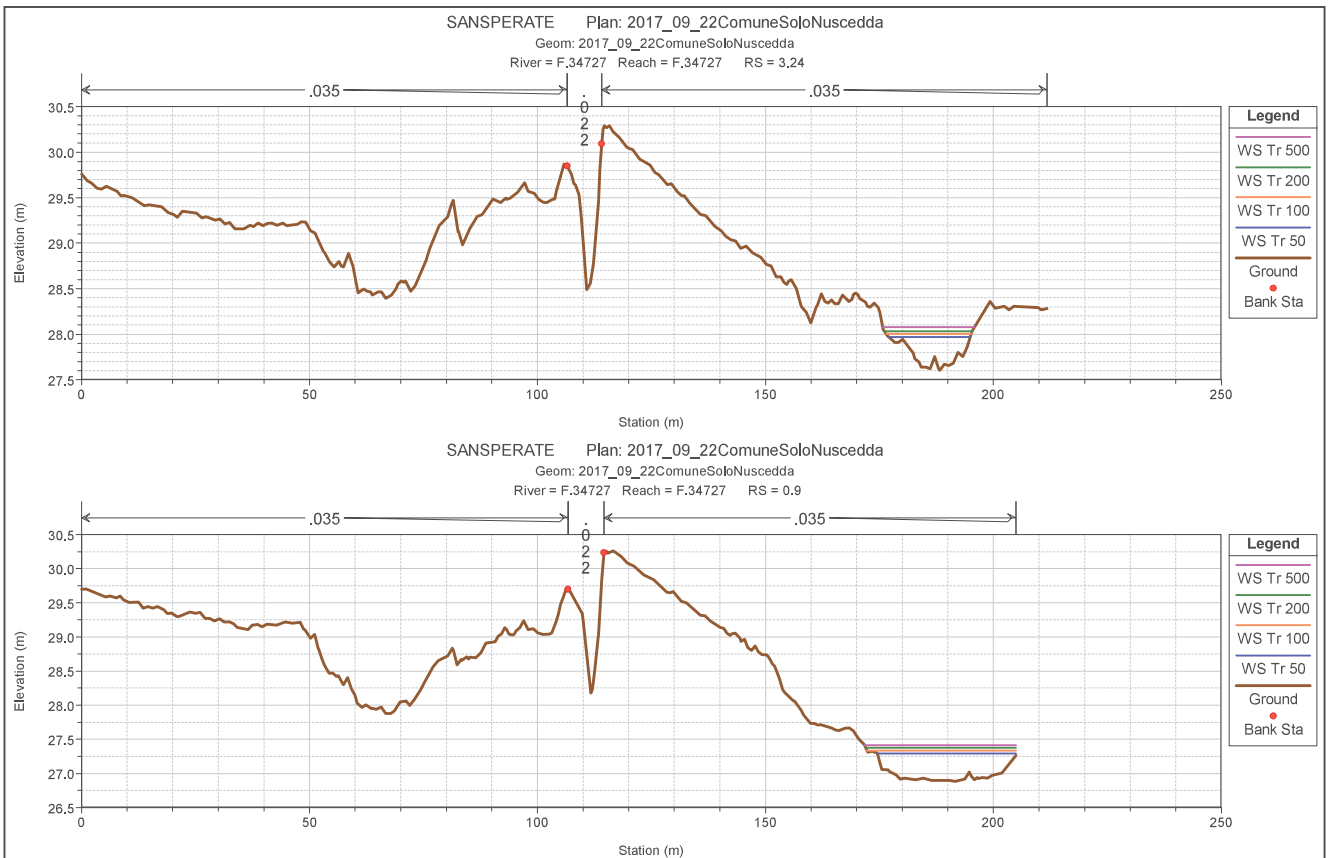
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
R:SaNuxedda	01	4266.8	Tr 50	51.00	48.33	49.45	49.36	49.48	0.002435	1.53	80.07	304.02	0.64
R:SaNuxedda	01	4266.8	Tr 100	60.00	48.33	49.48	49.38	49.51	0.002434	1.59	90.07	309.65	0.65
R:SaNuxedda	01	4266.8	Tr 200	68.00	48.33	49.50	49.40	49.54	0.002460	1.64	97.34	311.38	0.65
R:SaNuxedda	01	4266.8	Tr 500	80.00	48.33	49.53	49.42	49.57	0.002608	1.73	106.09	313.46	0.68
R:SaNuxedda	01	4150.6	Tr 50	51.00	46.81	48.53	48.73	48.98	0.005177	3.18	24.56	84.16	1.03
R:SaNuxedda	01	4150.6	Tr 100	60.00	46.81	48.61	48.79	49.03	0.004759	3.21	32.76	136.90	1.00
R:SaNuxedda	01	4150.6	Tr 200	68.00	46.81	48.67	48.79	49.05	0.004253	3.16	44.39	194.85	0.95
R:SaNuxedda	01	4150.6	Tr 500	80.00	46.81	48.76	48.87	49.05	0.003486	3.00	62.18	241.00	0.87
R:SaNuxedda	01	3966.8	Tr 50	51.00	46.80	47.55		47.62	0.003557	1.58	48.11	108.28	0.75
R:SaNuxedda	01	3966.8	Tr 100	60.00	46.80	47.62		47.68	0.003669	1.28	55.71	121.74	0.72
R:SaNuxedda	01	3966.8	Tr 200	68.00	46.80	47.67		47.73	0.003407	1.23	61.94	128.75	0.70
R:SaNuxedda	01	3966.8	Tr 500	80.00	46.80	47.73		47.80	0.003220	1.35	70.03	137.89	0.70
R:SaNuxedda	01	3844.2	Tr 50	51.00	46.13	47.14		47.19	0.000864	1.01	53.30	106.73	0.40
R:SaNuxedda	01	3844.2	Tr 100	60.00	46.13	47.20		47.26	0.000900	1.09	59.35	112.12	0.41
R:SaNuxedda	01	3844.2	Tr 200	68.00	46.13	47.24		47.31	0.000928	1.15	64.64	123.86	0.42
R:SaNuxedda	01	3844.2	Tr 500	80.00	46.13	47.30		47.37	0.001000	1.25	71.55	130.87	0.44
R:SaNuxedda	01	3761.6	Tr 50	51.00	45.90	46.71		46.75	0.002914	1.51	70.44	304.28	0.69
R:SaNuxedda	01	3761.6	Tr 100	60.00	45.90	46.74		46.78	0.003035	1.60	78.97	333.33	0.71
R:SaNuxedda	01	3761.6	Tr 200	68.00	45.90	46.76		46.81	0.003142	1.67	86.45	368.25	0.73
R:SaNuxedda	01	3761.6	Tr 500	80.00	45.90	46.79		46.84	0.003315	1.79	99.14	427.63	0.76
R:SaNuxedda	01	3739.3	Tr 50	51.00	44.71	46.35		46.41	0.001155	1.48	62.71	171.19	0.48
R:SaNuxedda	01	3739.3	Tr 100	60.00	44.71	46.39		46.47	0.001230	1.57	72.05	215.91	0.50
R:SaNuxedda	01	3739.3	Tr 200	68.00	44.71	46.43		46.51	0.001309	1.66	80.42	257.65	0.52
R:SaNuxedda	01	3739.3	Tr 500	80.00	44.71	46.47		46.56	0.001516	1.83	90.25	286.52	0.56
R:SaNuxedda	01	3712.9	Tr 50	51.00	44.47	46.10	46.09	46.24	0.002185	2.32	55.26	171.43	0.69
R:SaNuxedda	01	3712.9	Tr 100	60.00	44.47	46.15	46.13	46.29	0.002187	2.38	63.87	181.43	0.69
R:SaNuxedda	01	3712.9	Tr 200	68.00	44.47	46.18	46.16	46.32	0.002309	2.49	69.59	192.14	0.71
R:SaNuxedda	01	3712.9	Tr 500	80.00	44.47	46.22	46.22	46.37	0.002469	2.63	78.42	229.31	0.74
R:SaNuxedda	01	3639.2	Tr 50	51.00	44.37	45.49		45.54	0.001609	1.58	64.75	145.05	0.56
R:SaNuxedda	01	3639.2	Tr 100	60.00	44.37	45.54		45.59	0.001658	1.67	72.39	162.86	0.57

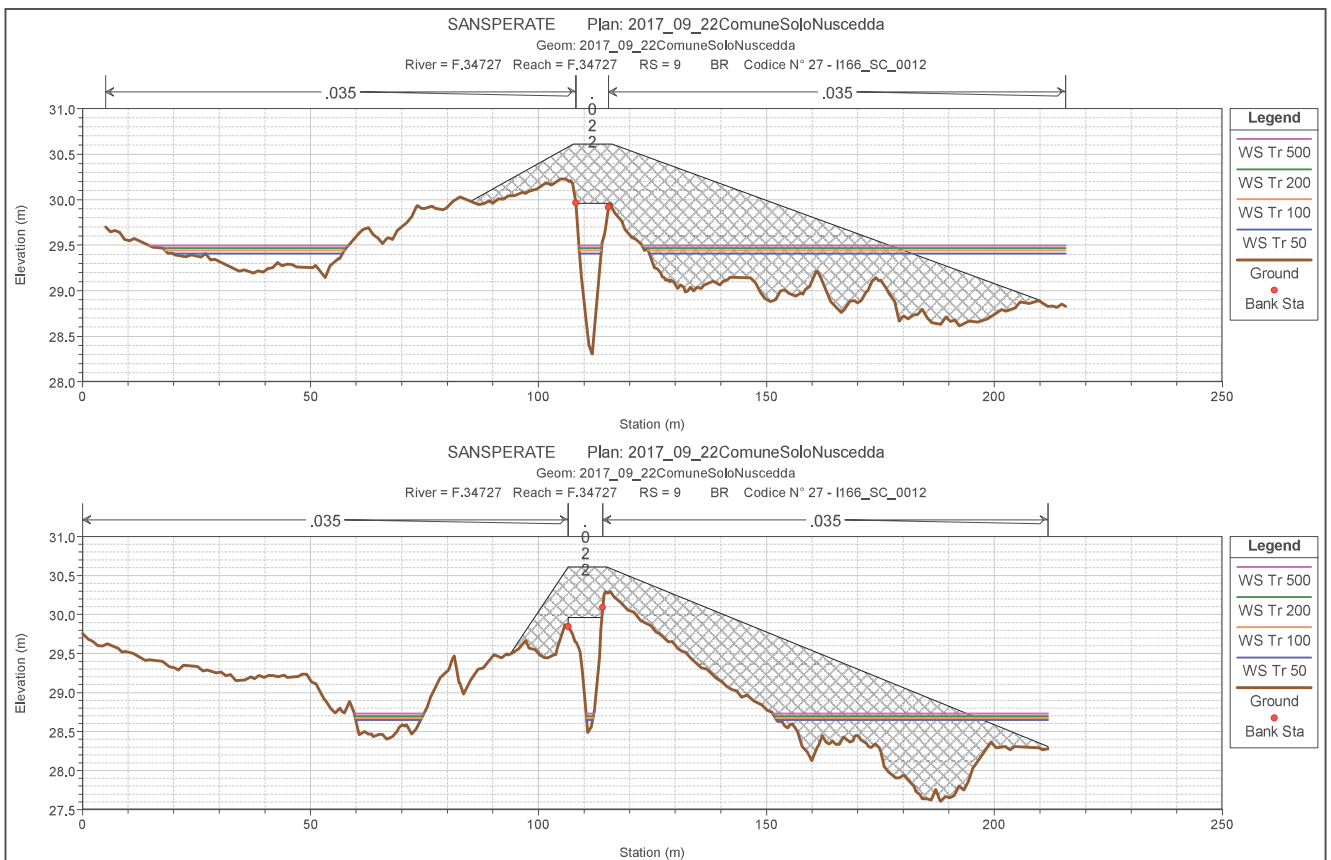
HEC-RAS Plan: 2017_09_22ComuneSoloNuscedda (Continued)

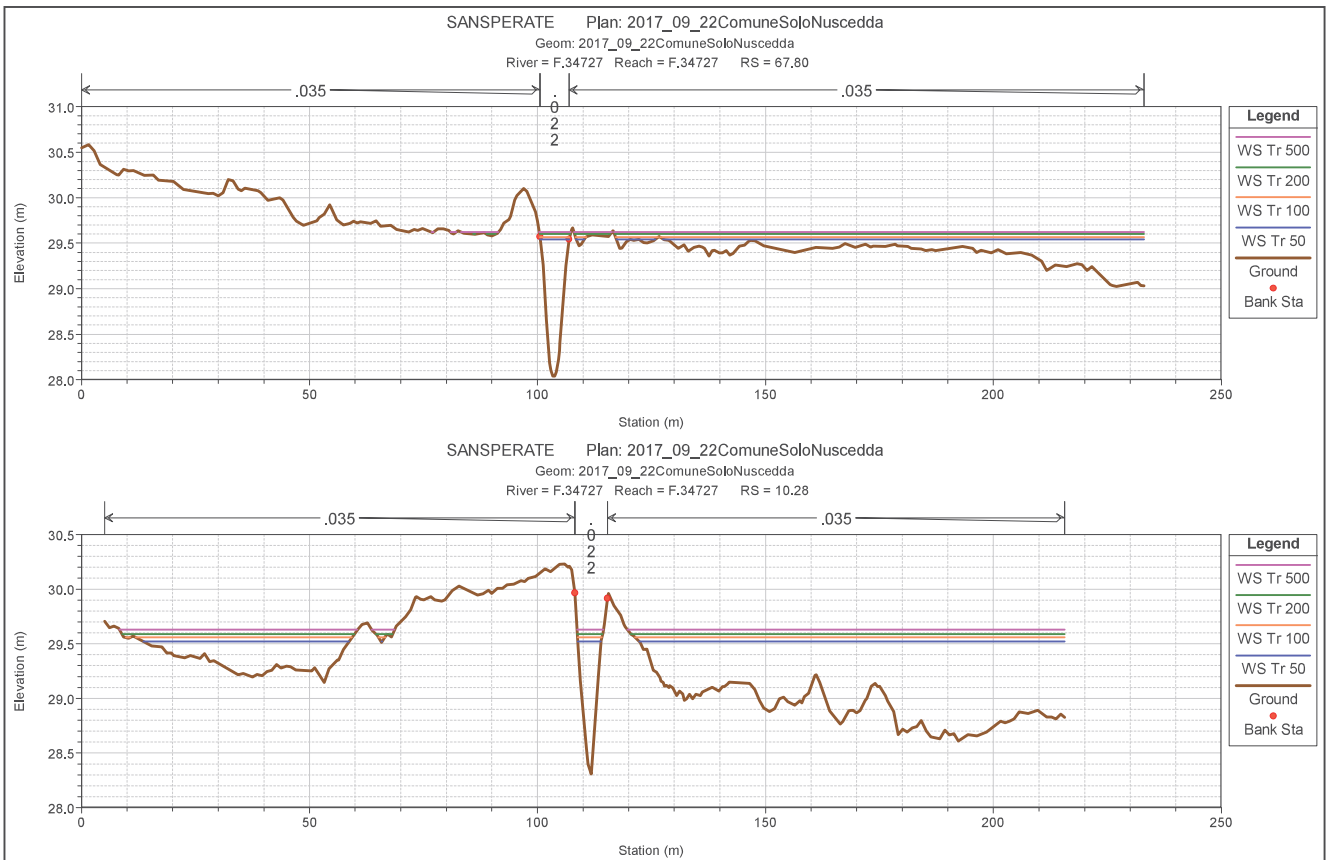
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
R:SaNuscedda	02	146.2	Tr 500	108.59	25.06	26.73		26.84	0.003520	2.79	120.28	376.52	0.84
R:SaNuscedda	02	89.6	Tr 50	69.00	24.80	26.42		26.51	0.003072	2.39	88.67	344.88	0.77
R:SaNuscedda	02	89.6	Tr 100	81.23	24.80	26.44	26.43	26.55	0.003415	2.57	96.99	350.44	0.82
R:SaNuscedda	02	89.6	Tr 200	92.39	24.80	26.47		26.57	0.003486	2.63	105.48	357.41	0.83
R:SaNuscedda	02	89.6	Tr 500	108.59	24.80	26.50		26.60	0.003529	2.71	117.71	366.10	0.84
R:SaNuscedda	02	33.0	Tr 50	69.00	24.53	26.18	26.18	26.28	0.003131	2.35	87.87	344.83	0.77
R:SaNuscedda	02	33.0	Tr 100	81.23	24.53	26.20	26.20	26.31	0.003778	2.61	92.46	347.32	0.85
R:SaNuscedda	02	33.0	Tr 200	92.39	24.53	26.23	26.23	26.34	0.003504	2.57	104.67	349.56	0.82
R:SaNuscedda	02	33.0	Tr 500	108.59	24.53	26.24	26.24	26.37	0.004404	2.90	108.16	350.11	0.93
R:SaNuscedda	01	4690	Tr 50	51.00	51.08	51.79	51.71	51.83	0.003928	1.89	66.91	289.08	0.82
R:SaNuscedda	01	4690	Tr 100	60.00	51.08	51.82	51.76	51.87	0.003862	1.94	75.60	296.16	0.82
R:SaNuscedda	01	4690	Tr 200	68.00	51.08	51.84	51.77	51.89	0.003872	2.00	82.86	304.08	0.82
R:SaNuscedda	01	4690	Tr 500	80.00	51.08	51.88	51.79	51.93	0.003921	2.08	92.57	307.51	0.84
R:SaNuscedda	01	4552.2	Tr 50	51.00	49.77	51.24	51.12	51.26	0.000785	1.04	124.57	394.82	0.38
R:SaNuscedda	01	4552.2	Tr 100	60.00	49.77	51.27	51.14	51.29	0.000880	1.12	134.58	398.23	0.40
R:SaNuscedda	01	4552.2	Tr 200	68.00	49.77	51.29	51.17	51.31	0.000917	1.17	144.02	400.50	0.41
R:SaNuscedda	01	4552.2	Tr 500	80.00	49.77	51.33	51.17	51.35	0.000940	1.22	158.57	404.27	0.42
R:SaNuscedda	01	4540		Bridge									
R:SaNuscedda	01	4533.8	Tr 50	51.00	49.64	51.03	50.93	51.08	0.002044	1.69	72.07	232.86	0.61
R:SaNuscedda	01	4533.8	Tr 100	60.00	49.64	51.07	50.99	51.12	0.002081	1.76	81.14	239.23	0.62
R:SaNuscedda	01	4533.8	Tr 200	68.00	49.64	51.09	51.01	51.15	0.002136	1.82	87.64	244.18	0.63
R:SaNuscedda	01	4533.8	Tr 500	80.00	49.64	51.13	51.04	51.19	0.002253	1.92	96.36	257.31	0.65
R:SaNuscedda	01	4492.5	Tr 50	51.00	49.25	50.80	50.83	50.93	0.003440	2.63	60.26	246.80	0.83
R:SaNuscedda	01	4492.5	Tr 100	60.00	49.25	50.84	50.85	50.95	0.003306	2.64	69.43	256.81	0.81
R:SaNuscedda	01	4492.5	Tr 200	68.00	49.25	50.84	50.88	50.99	0.004085	2.94	70.52	259.04	0.91
R:SaNuscedda	01	4492.5	Tr 500	80.00	49.25	50.90	50.91	51.02	0.003726	2.90	85.58	282.10	0.87
R:SaNuscedda	01	4332.7	Tr 50	51.00	48.64	49.84	49.84	49.95	0.004856	2.63	52.67	189.61	0.94
R:SaNuscedda	01	4332.7	Tr 100	60.00	48.64	49.92	49.87	49.99	0.003143	2.26	68.52	196.78	0.77
R:SaNuscedda	01	4332.7	Tr 200	68.00	48.64	49.98	49.89	50.00	0.000885	1.25	136.75	330.34	0.41
R:SaNuscedda	01	4332.7	Tr 500	80.00	48.64	49.91	49.92	50.05	0.006442	3.19	65.40	196.35	1.09

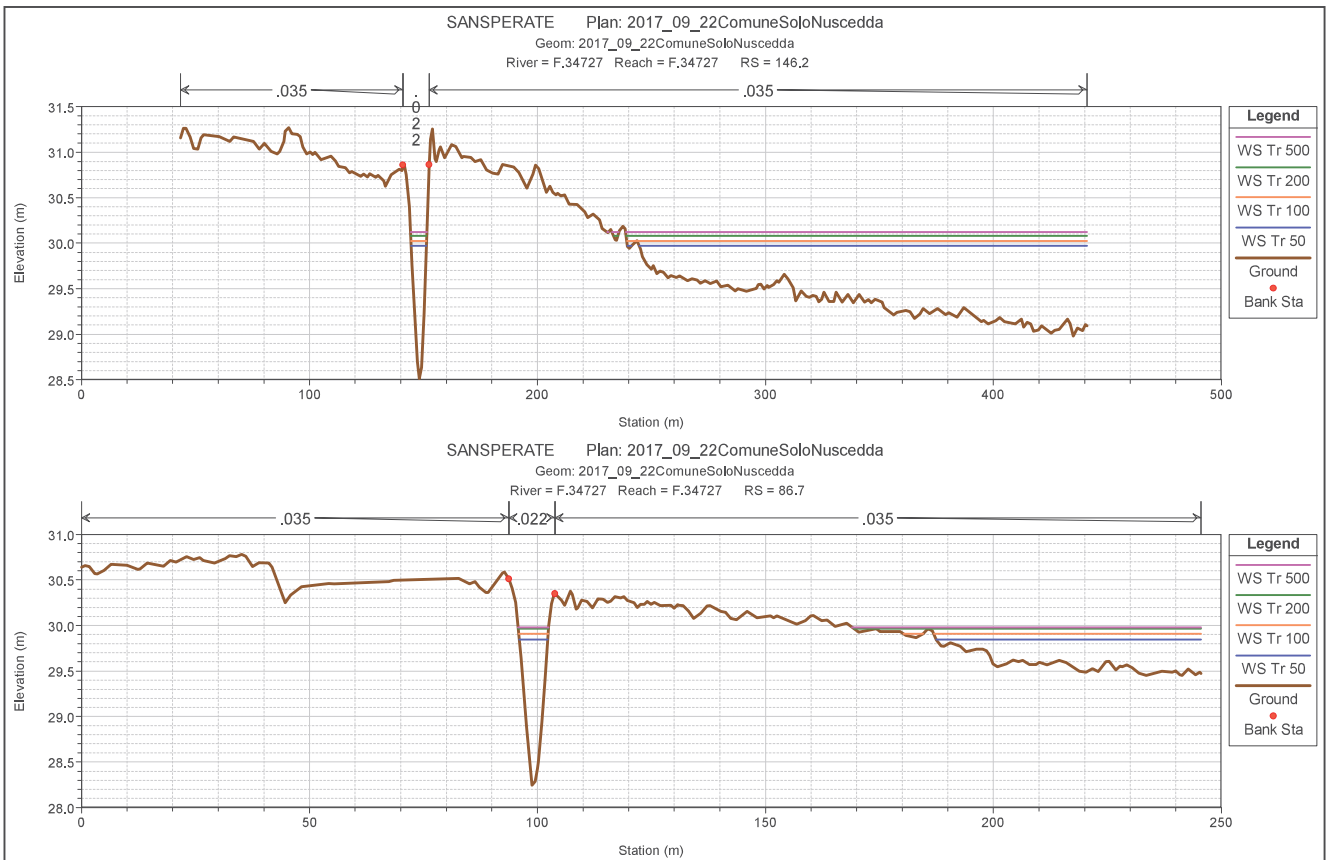
HEC-RAS Plan: 2017_09_22ComuneSoloNusedda

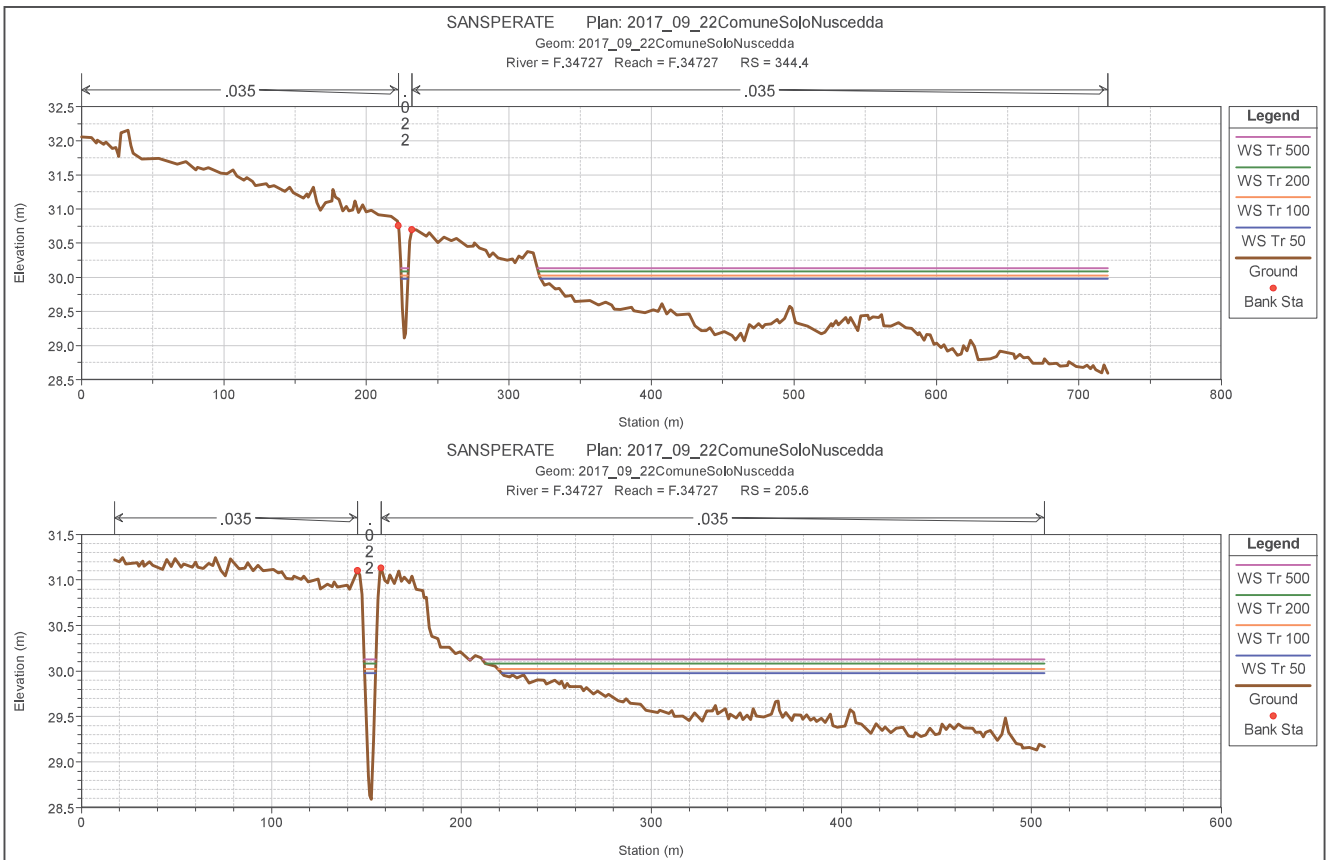
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
R:SaNuxedda	02	616.2	Tr 50	69.00	26.84	29.21	29.21	29.33	0.001481	2.21	95.92	396.92	0.57
R:SaNuxedda	02	616.2	Tr 100	81.23	26.84	29.25	29.25	29.37	0.001600	2.34	113.33	443.42	0.60
R:SaNuxedda	02	616.2	Tr 200	92.39	26.84	29.27	29.27	29.40	0.001754	2.48	124.08	463.12	0.63
R:SaNuxedda	02	616.2	Tr 500	108.59	26.84	29.34	29.33	29.45	0.001485	2.35	159.77	528.13	0.58
R:SaNuxedda	02	473.5	Tr 50	69.00	26.40	28.27	28.27	28.40	0.002318	2.46	78.34	276.13	0.70
R:SaNuxedda	02	473.5	Tr 100	81.23	26.40	28.31	28.31	28.44	0.002384	2.56	90.44	287.56	0.71
R:SaNuxedda	02	473.5	Tr 200	92.39	26.40	28.35	28.32	28.48	0.002443	2.63	100.10	302.93	0.73
R:SaNuxedda	02	473.5	Tr 500	108.59	26.40	28.42		28.54	0.002311	2.65	123.76	341.79	0.71
R:SaNuxedda	02	417.4	Tr 50	69.00	26.20	28.11	28.11	28.22	0.001988	2.26	87.88	334.62	0.65
R:SaNuxedda	02	417.4	Tr 100	81.23	26.20	28.15	28.15	28.26	0.002058	2.34	101.31	380.58	0.67
R:SaNuxedda	02	417.4	Tr 200	92.39	26.20	28.17	28.17	28.29	0.002220	2.46	110.53	400.97	0.69
R:SaNuxedda	02	417.4	Tr 500	108.59	26.20	28.26		28.35	0.001882	2.36	145.50	433.94	0.65
R:SaNuxedda	02	361.4	Tr 50	69.00	26.01	27.91	27.92	28.03	0.002176	2.44	91.91	398.29	0.69
R:SaNuxedda	02	361.4	Tr 100	81.23	26.01	27.96	27.96	28.06	0.001907	2.35	114.49	467.10	0.65
R:SaNuxedda	02	361.4	Tr 200	92.39	26.01	27.98	27.96	28.09	0.002132	2.50	122.44	478.50	0.68
R:SaNuxedda	02	361.4	Tr 500	108.59	26.01	27.99	27.99	28.12	0.002722	2.84	127.98	487.32	0.77
R:SaNuxedda	02	292.3	Tr 50	69.00	25.72	27.34	27.42	27.66	0.007692	3.45	55.87	309.65	1.21
R:SaNuxedda	02	292.3	Tr 100	81.23	25.72	27.38	27.47	27.65	0.007026	3.40	68.02	338.86	1.16
R:SaNuxedda	02	292.3	Tr 200	92.39	25.72	27.40	27.49	27.68	0.007372	3.54	75.10	356.09	1.20
R:SaNuxedda	02	292.3	Tr 500	108.59	25.72	27.43	27.52	27.71	0.007655	3.69	86.99	369.29	1.23
R:SaNuxedda	02	240.6	Tr 50	69.00	25.51	27.03		27.11	0.003126	2.35	90.84	350.39	0.77
R:SaNuxedda	02	240.6	Tr 100	81.23	25.51	27.06	27.03	27.14	0.003184	2.42	101.72	372.66	0.78
R:SaNuxedda	02	240.6	Tr 200	92.39	25.51	27.09		27.16	0.003064	2.43	113.63	398.00	0.77
R:SaNuxedda	02	240.6	Tr 500	108.59	25.51	27.12		27.21	0.003354	2.59	127.17	412.16	0.81
R:SaNuxedda	02	165.1	Tr 50	69.00	25.15	26.73		26.82	0.003100	2.46	89.20	348.77	0.78
R:SaNuxedda	02	165.1	Tr 100	81.23	25.15	26.75		26.85	0.003290	2.57	98.80	365.19	0.80
R:SaNuxedda	02	165.1	Tr 200	92.39	25.15	26.78		26.88	0.003355	2.64	109.12	374.78	0.82
R:SaNuxedda	02	165.1	Tr 500	108.59	25.15	26.82		26.91	0.003415	2.73	122.44	385.39	0.83
R:SaNuxedda	02	146.2	Tr 50	69.00	25.06	26.65		26.74	0.003023	2.45	89.81	351.14	0.77
R:SaNuxedda	02	146.2	Tr 100	81.23	25.06	26.67		26.77	0.003312	2.60	97.97	360.01	0.81
R:SaNuxedda	02	146.2	Tr 200	92.39	25.06	26.70		26.80	0.003433	2.70	107.55	368.53	0.83

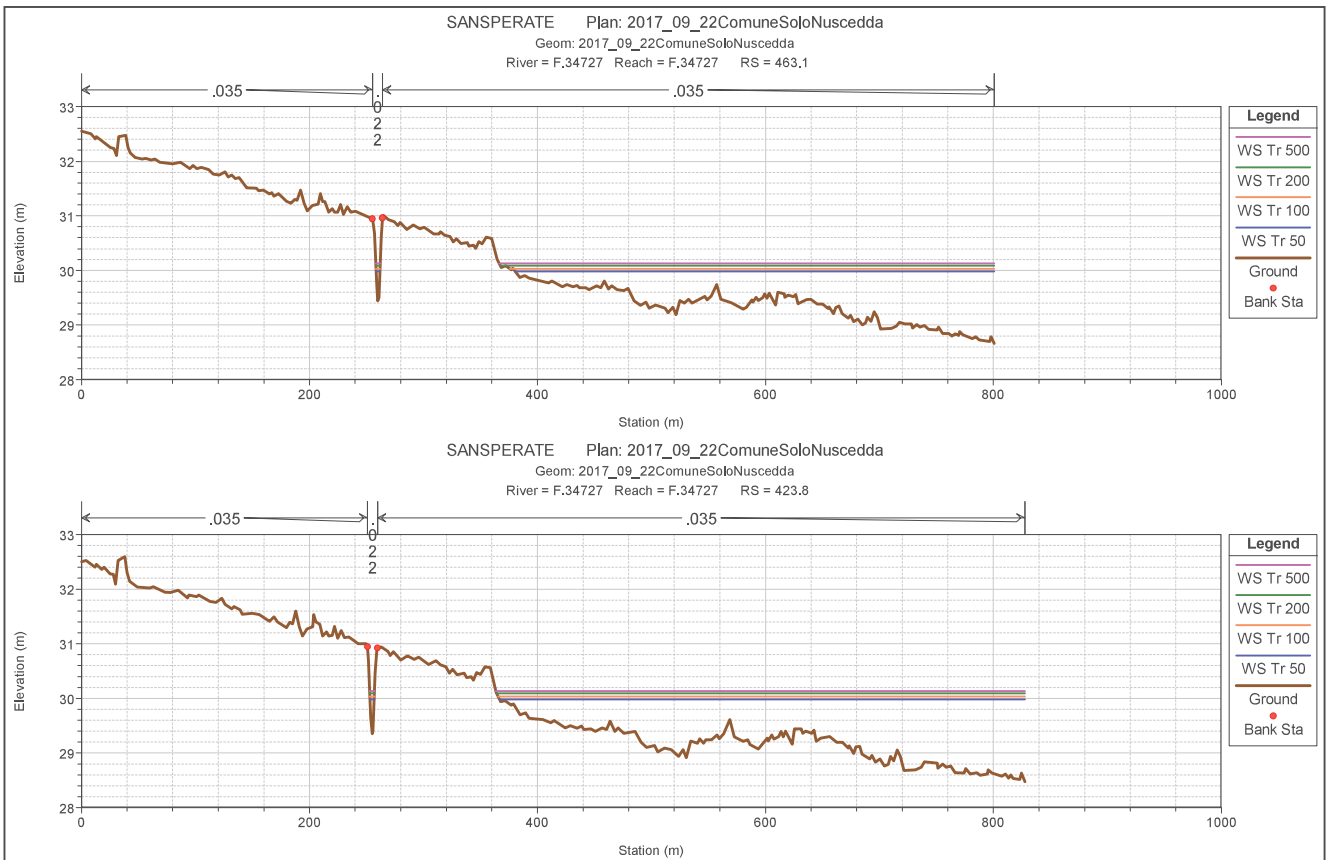


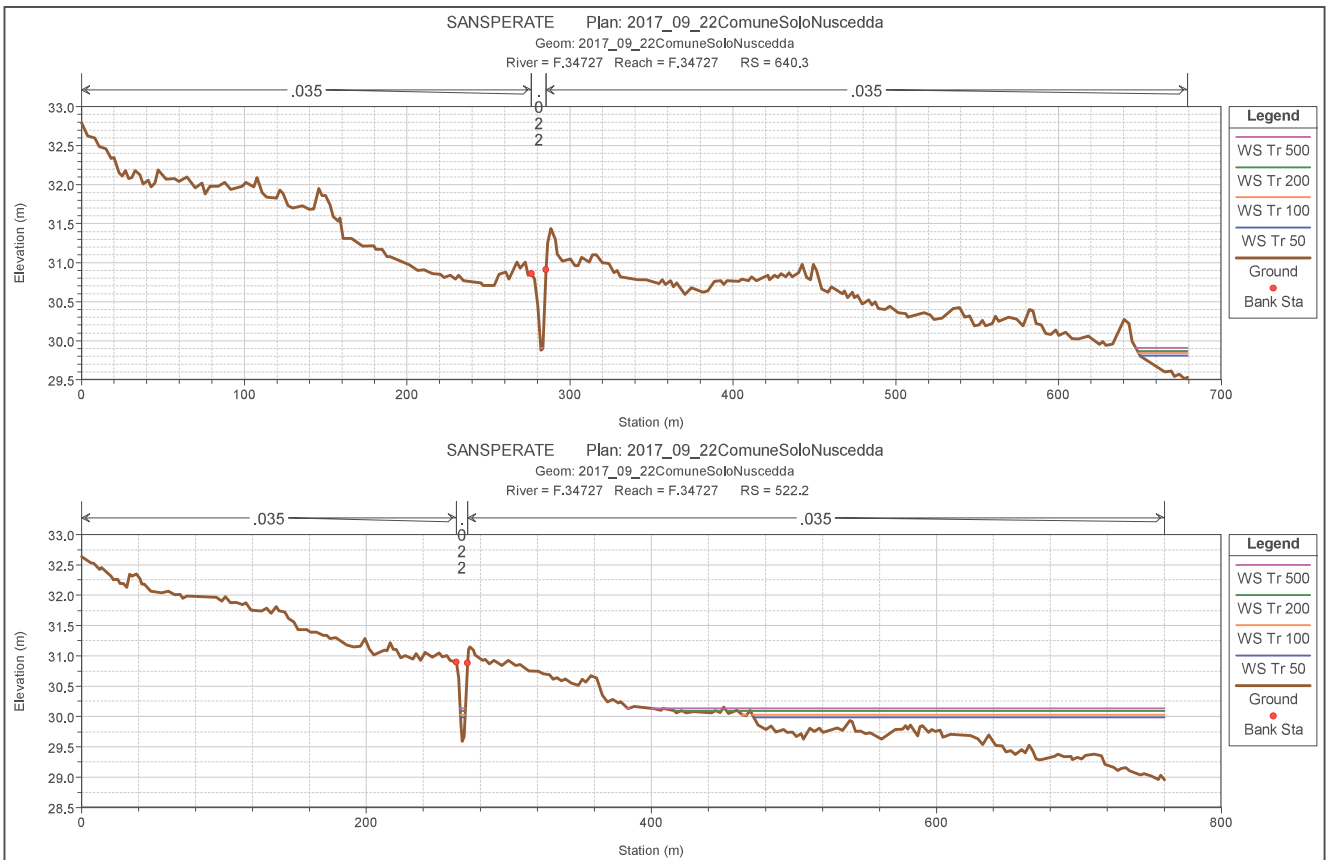


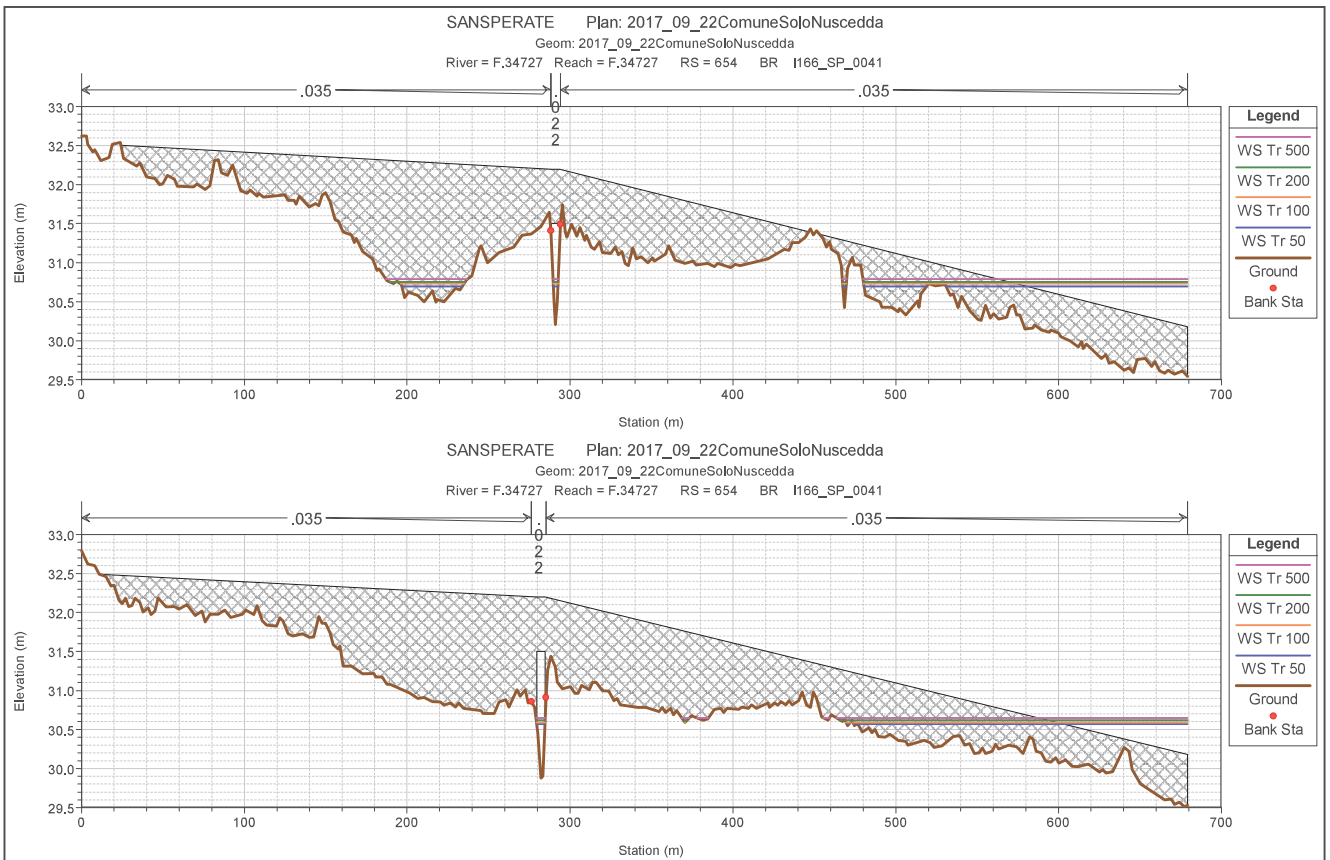


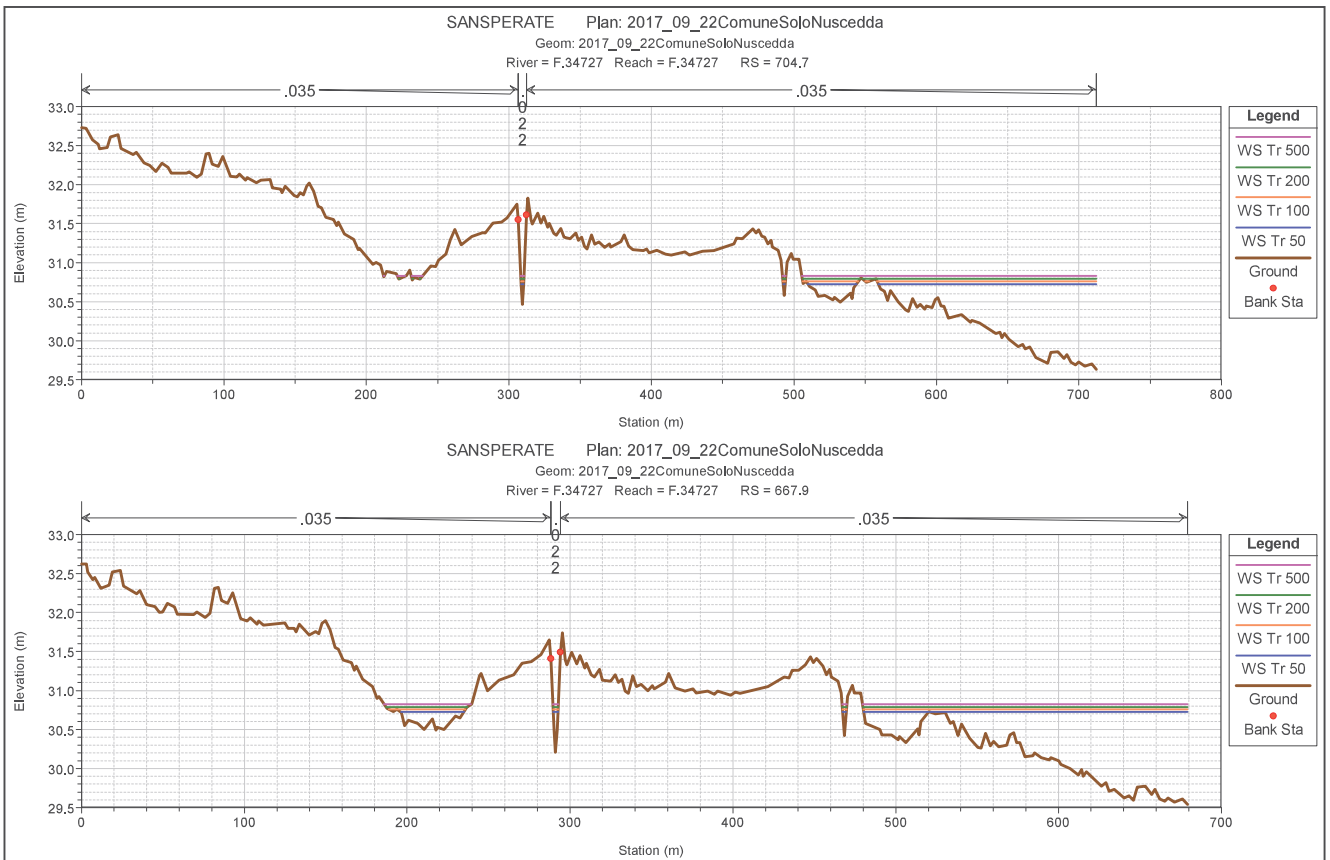


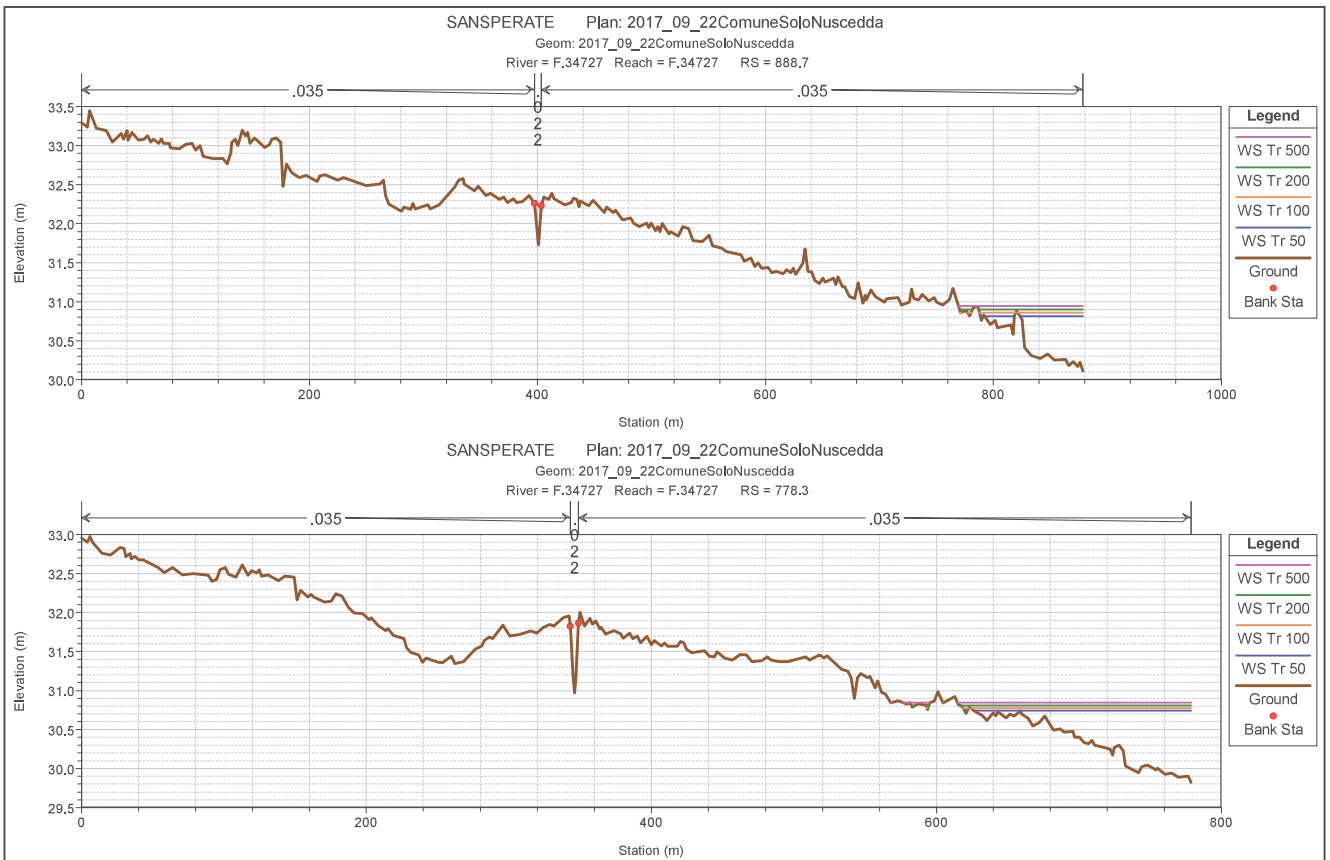


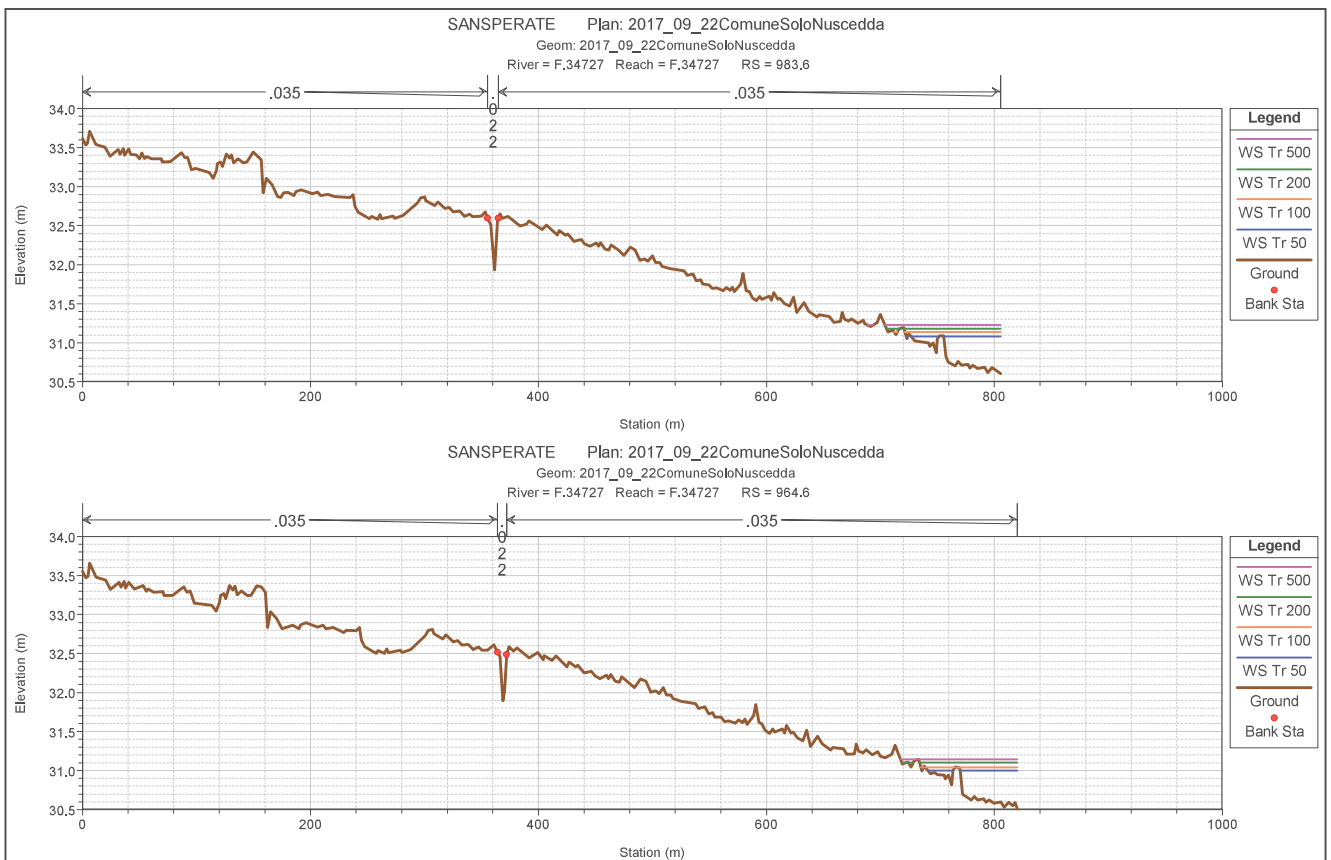


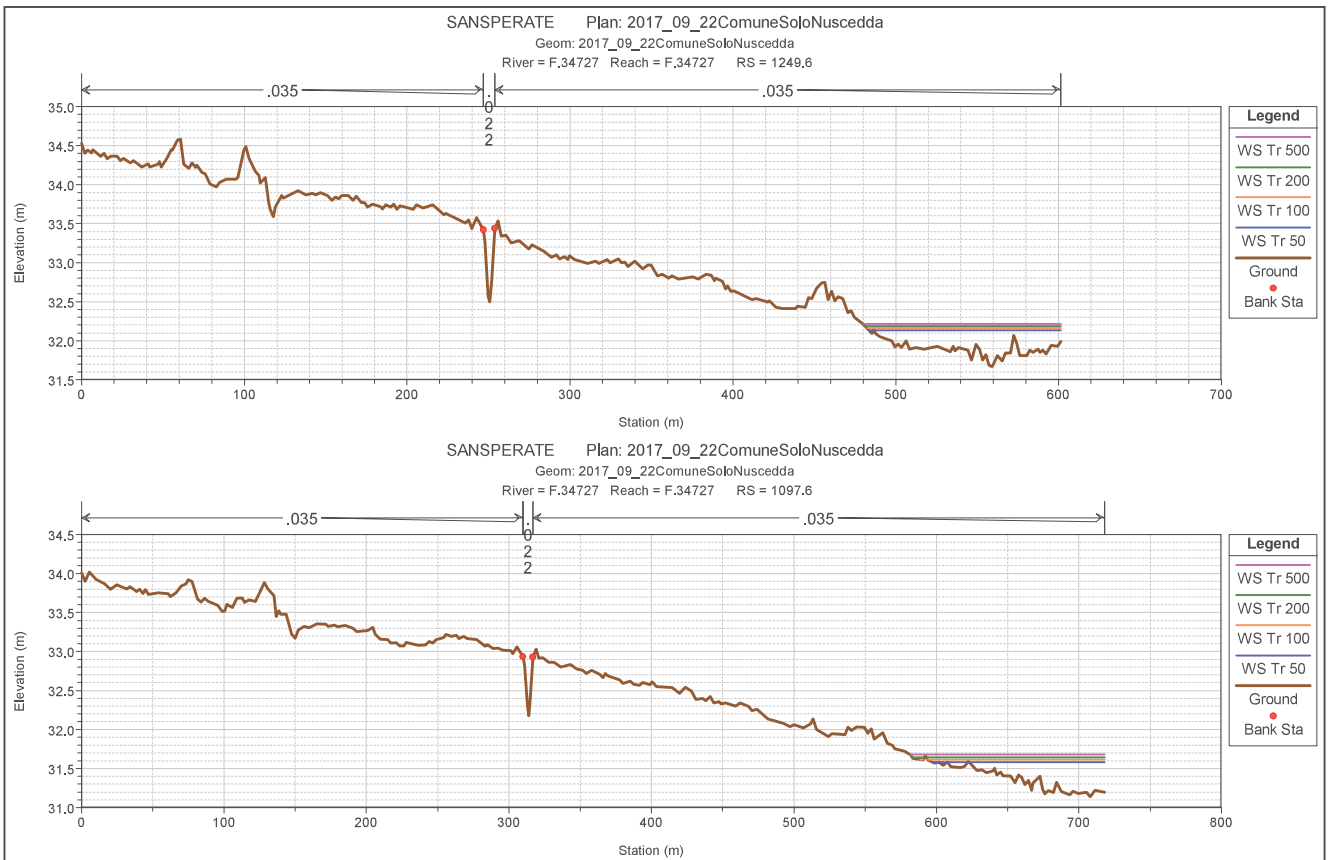


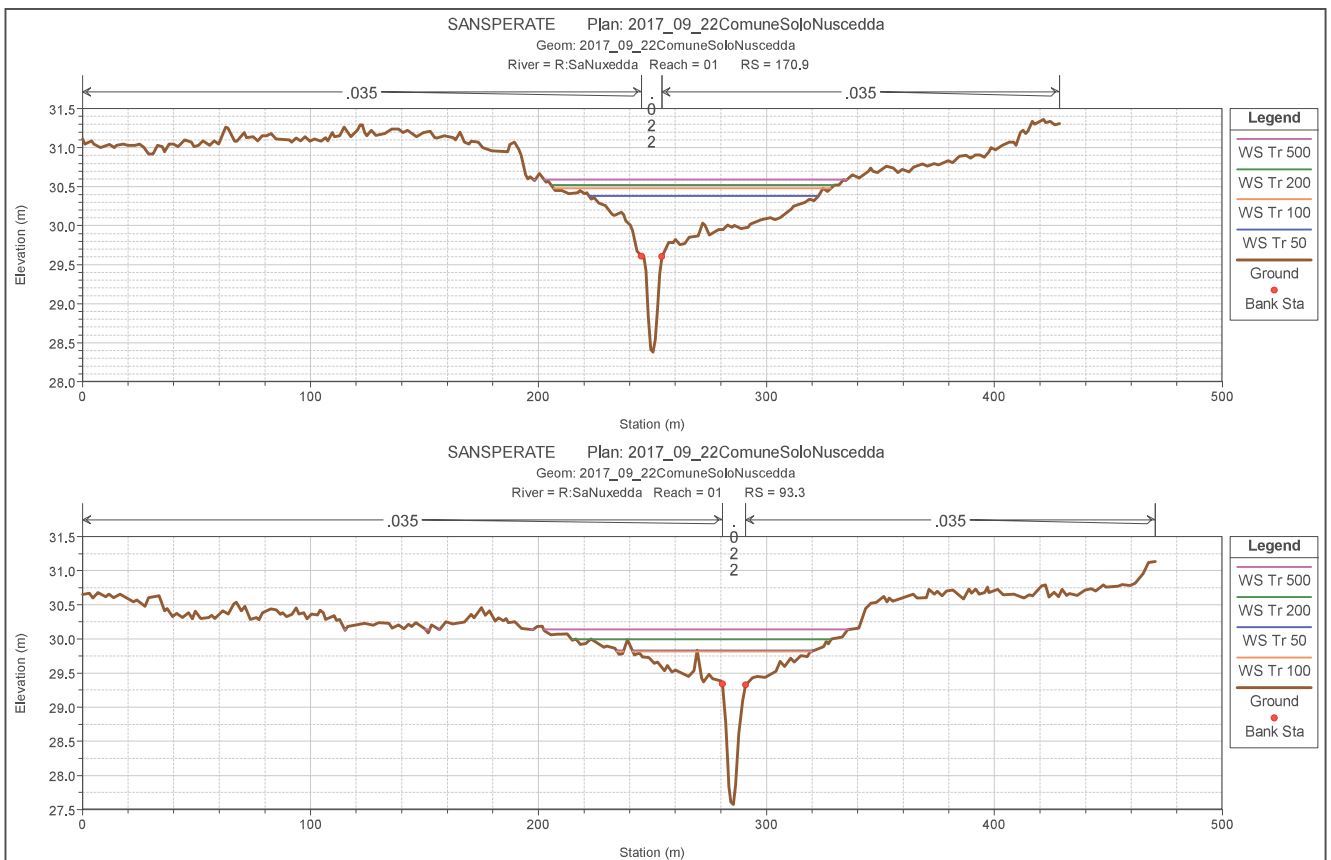


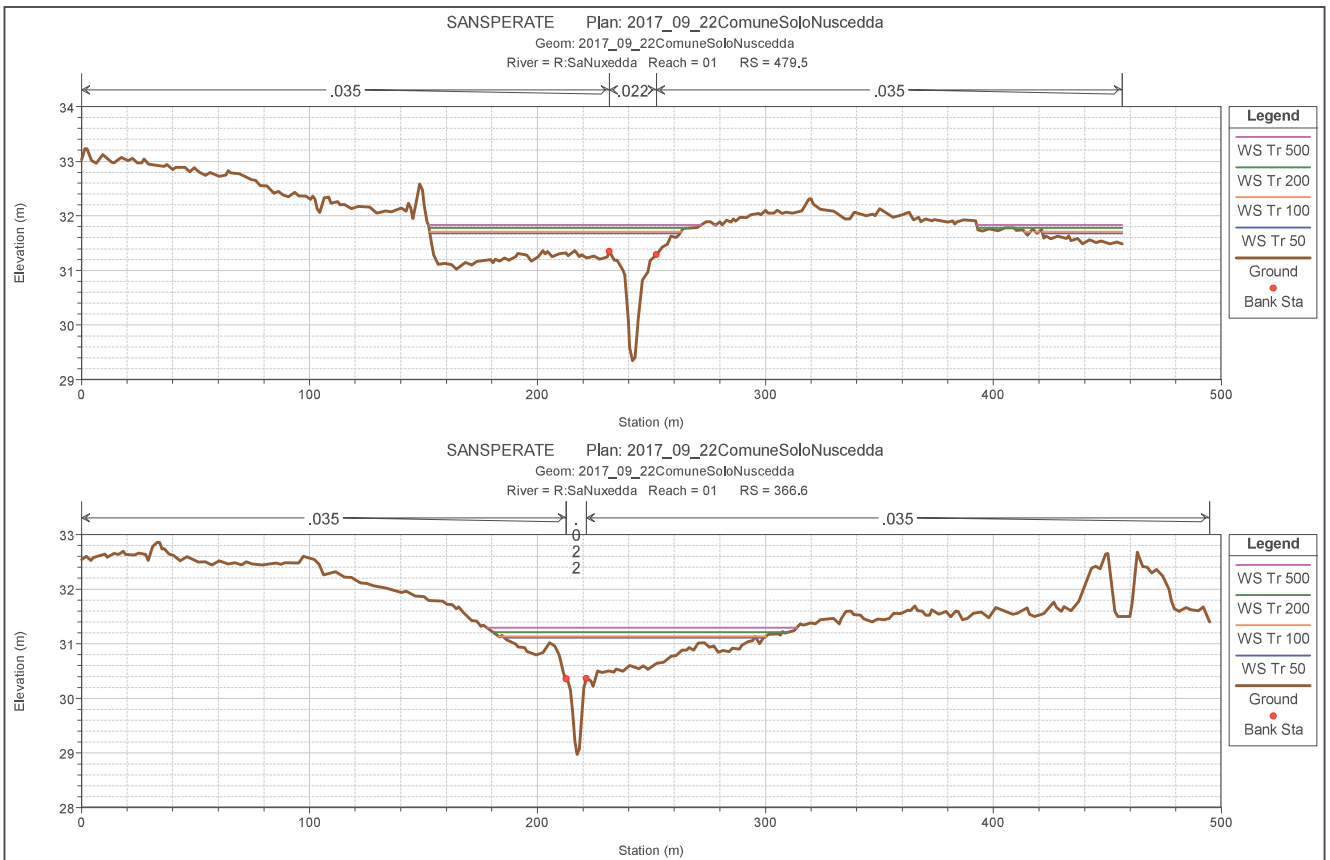


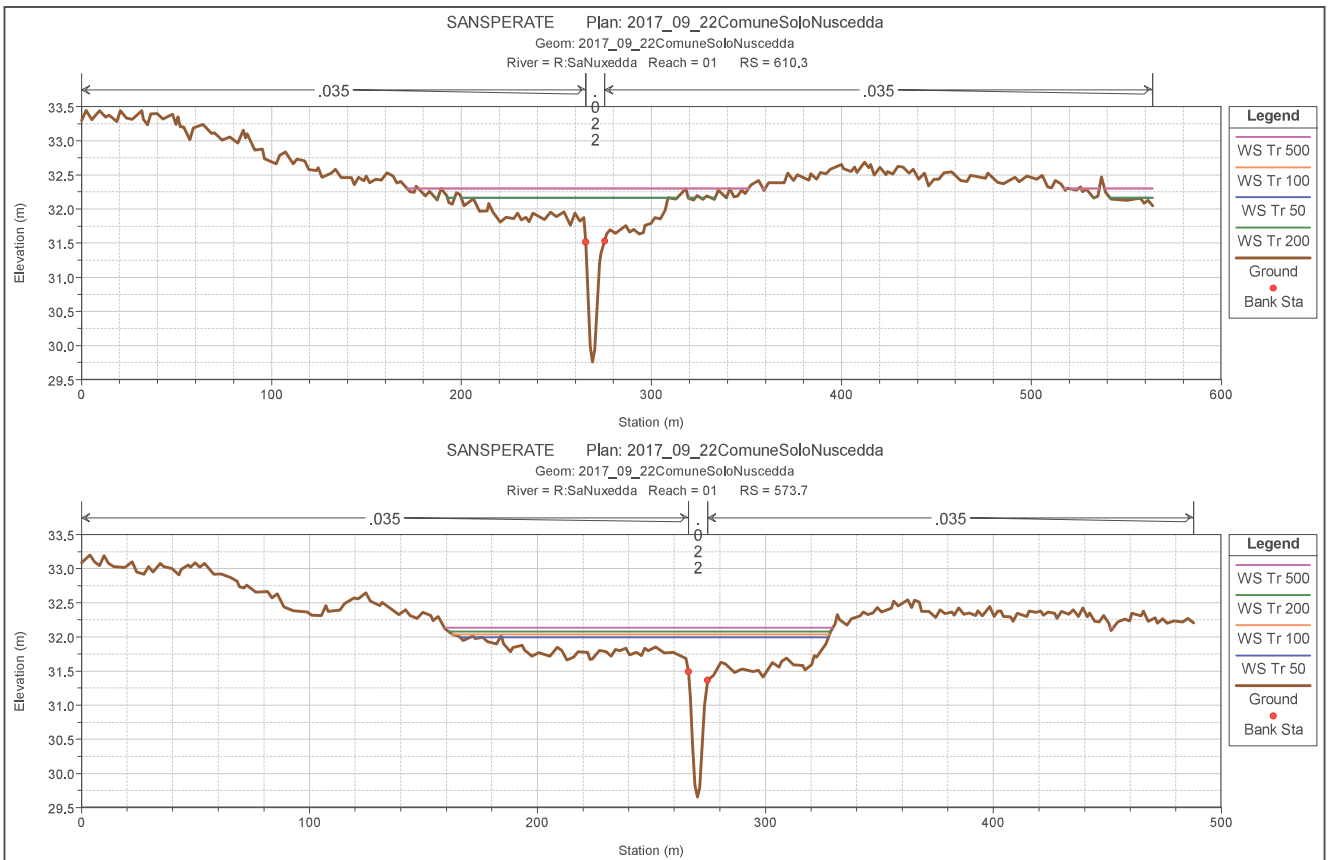


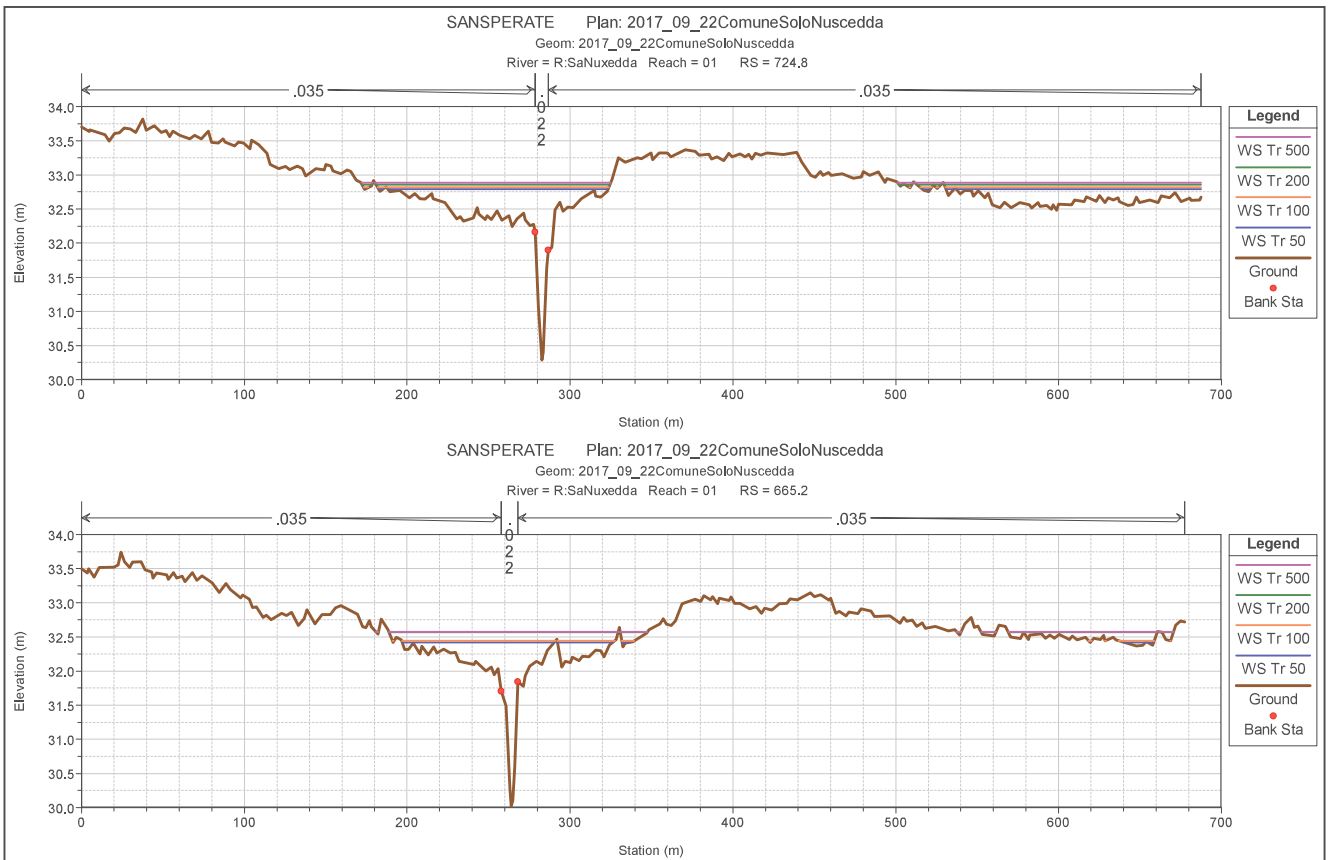


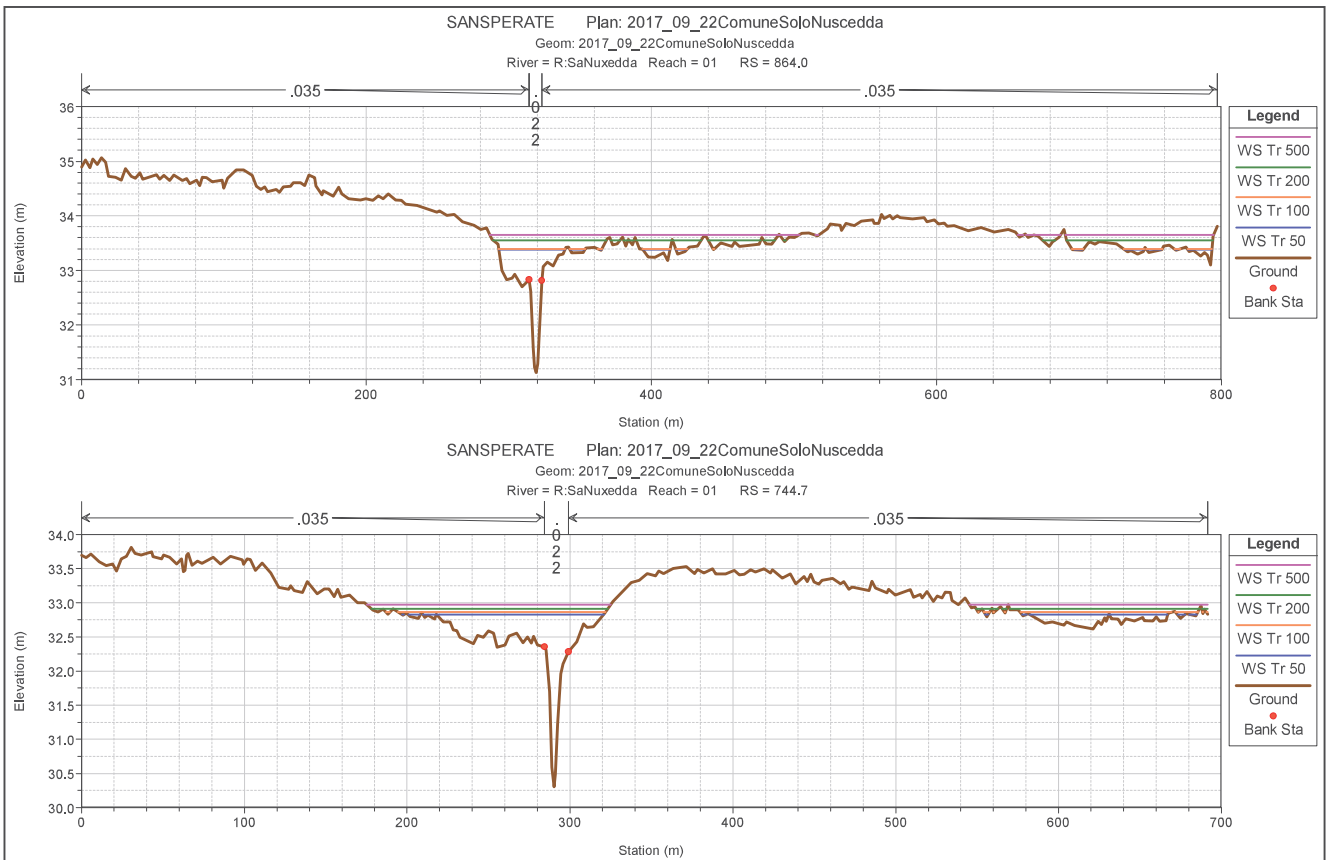


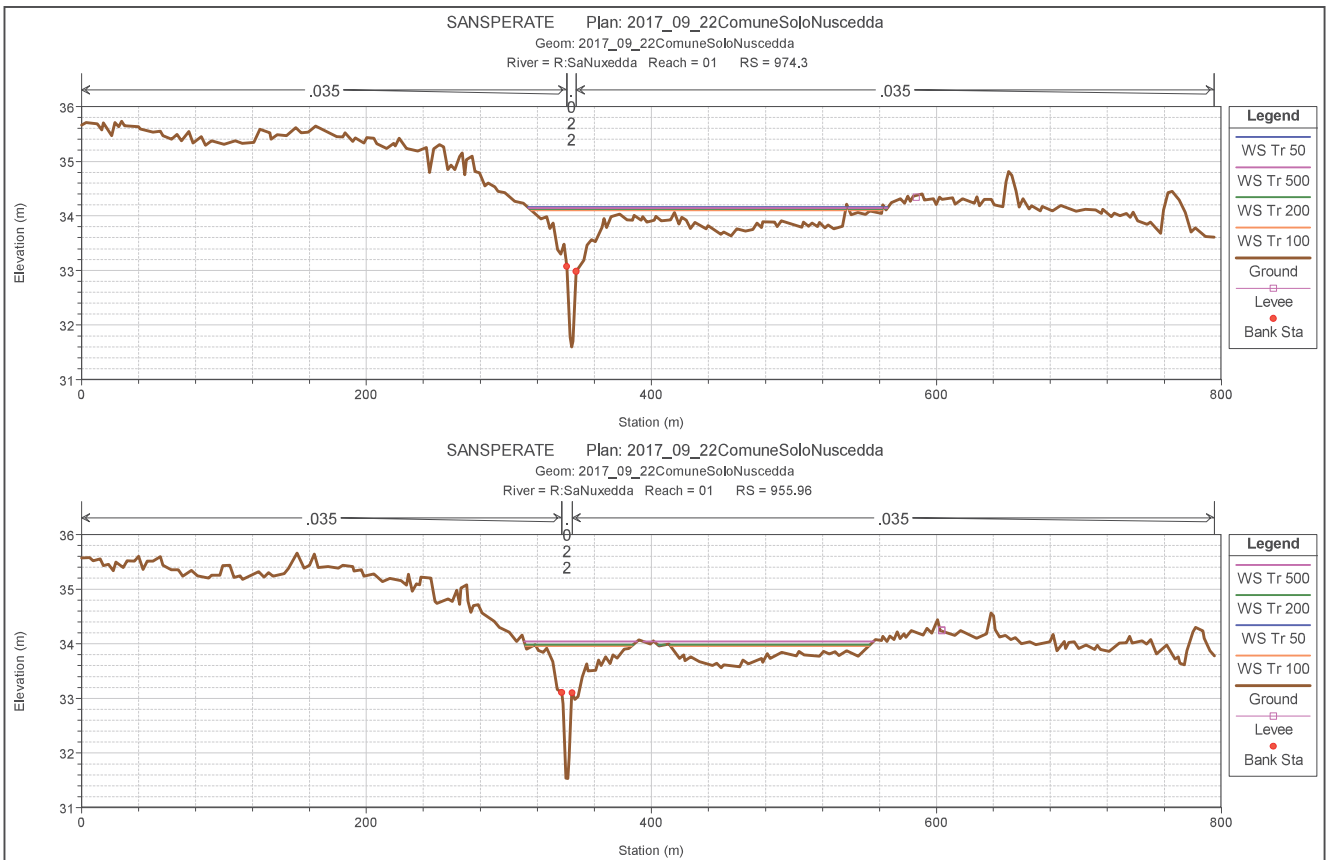


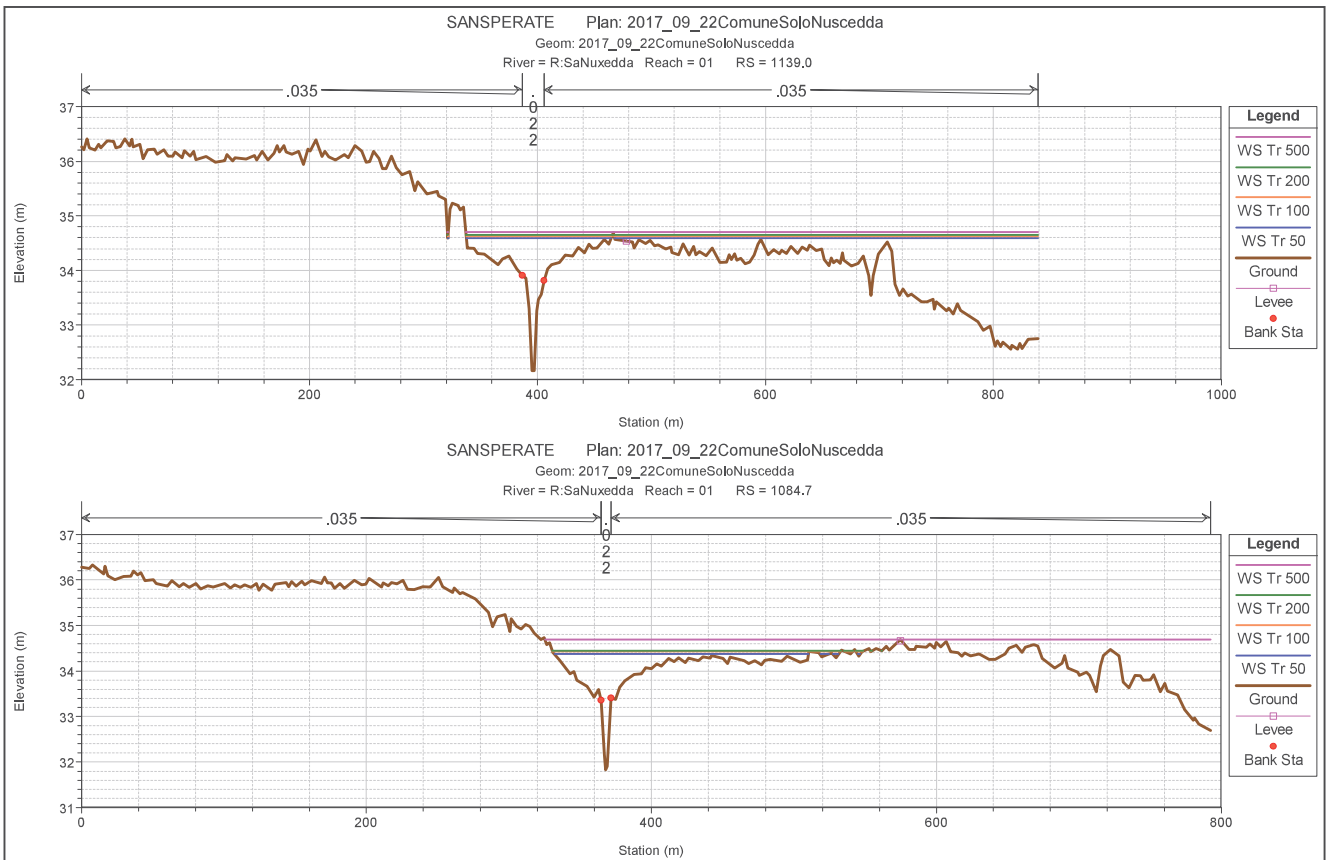


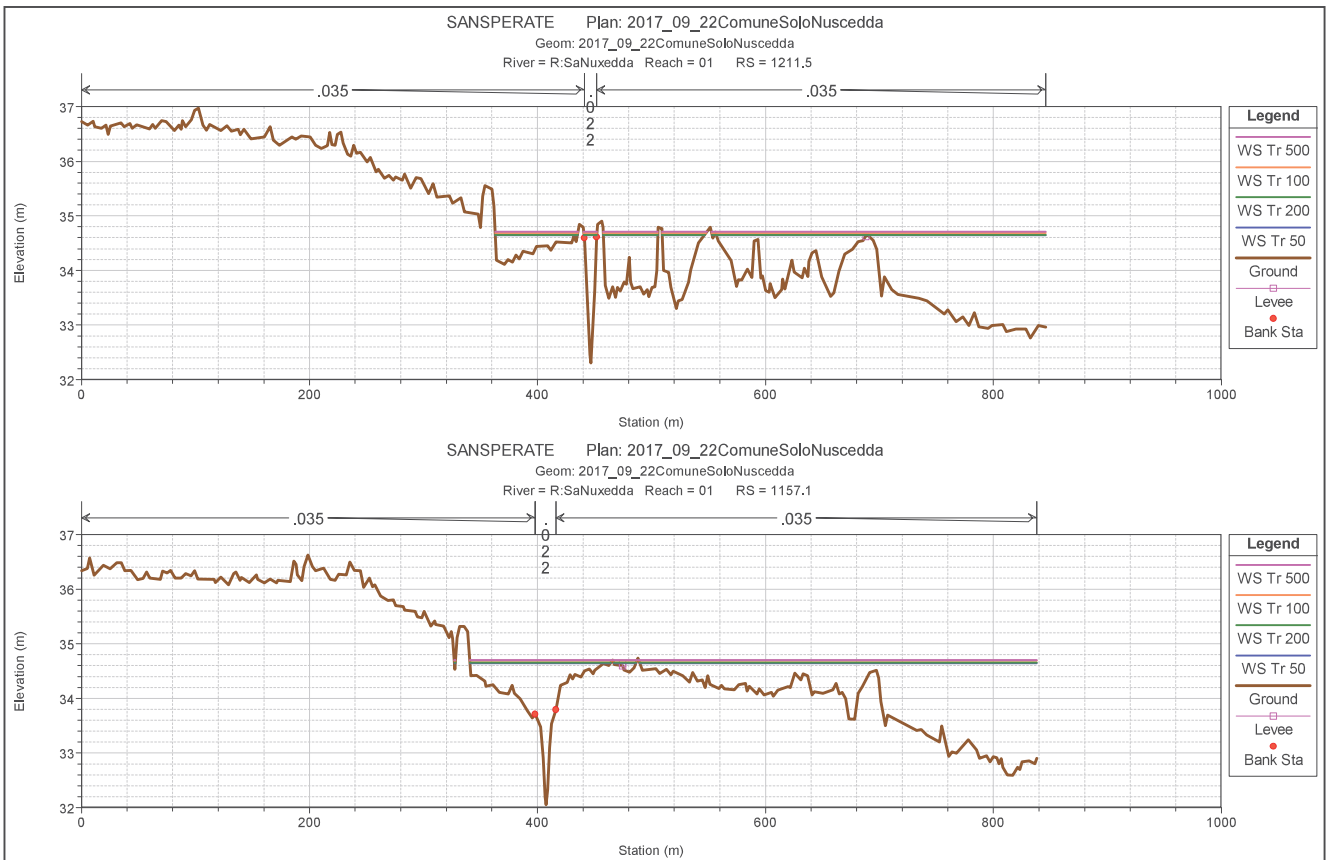


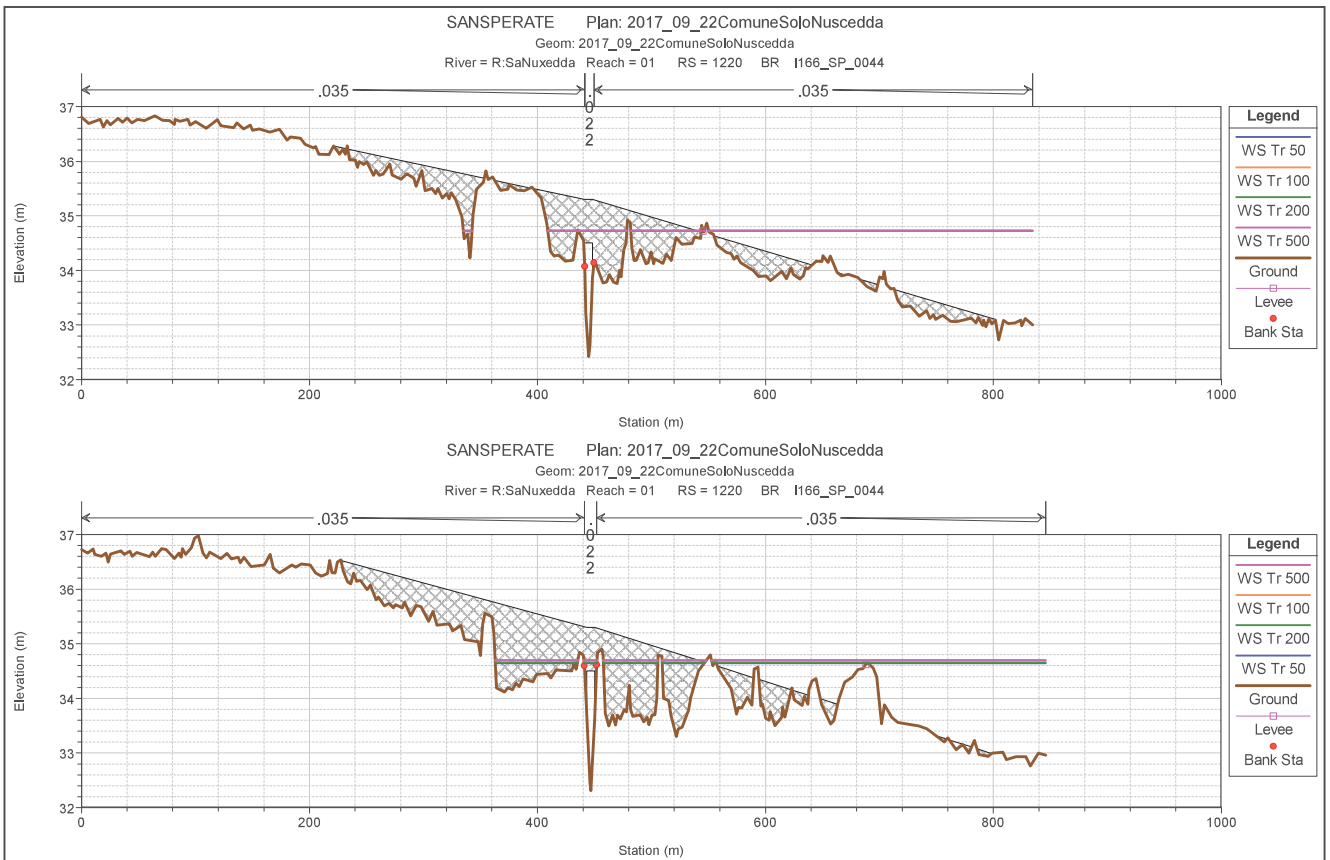


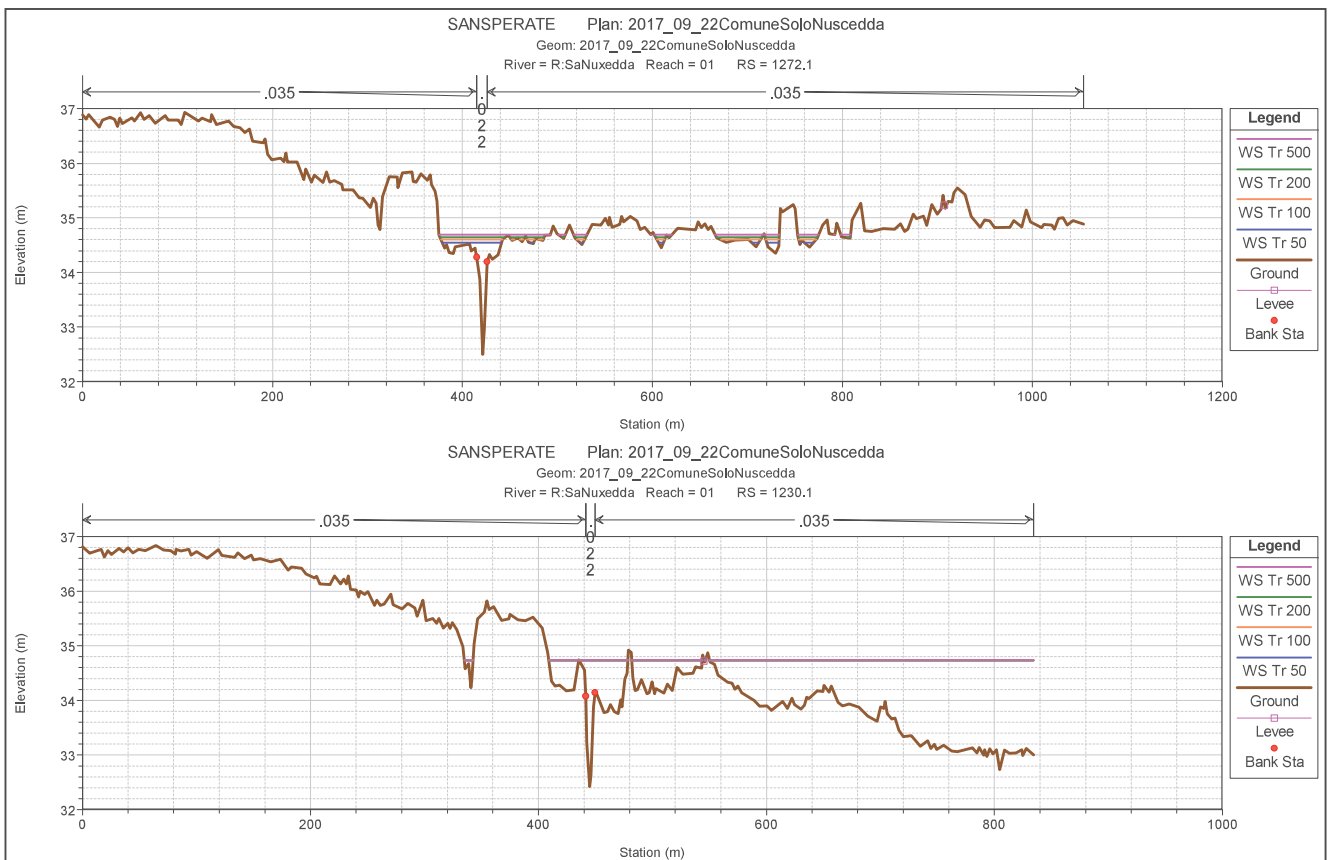


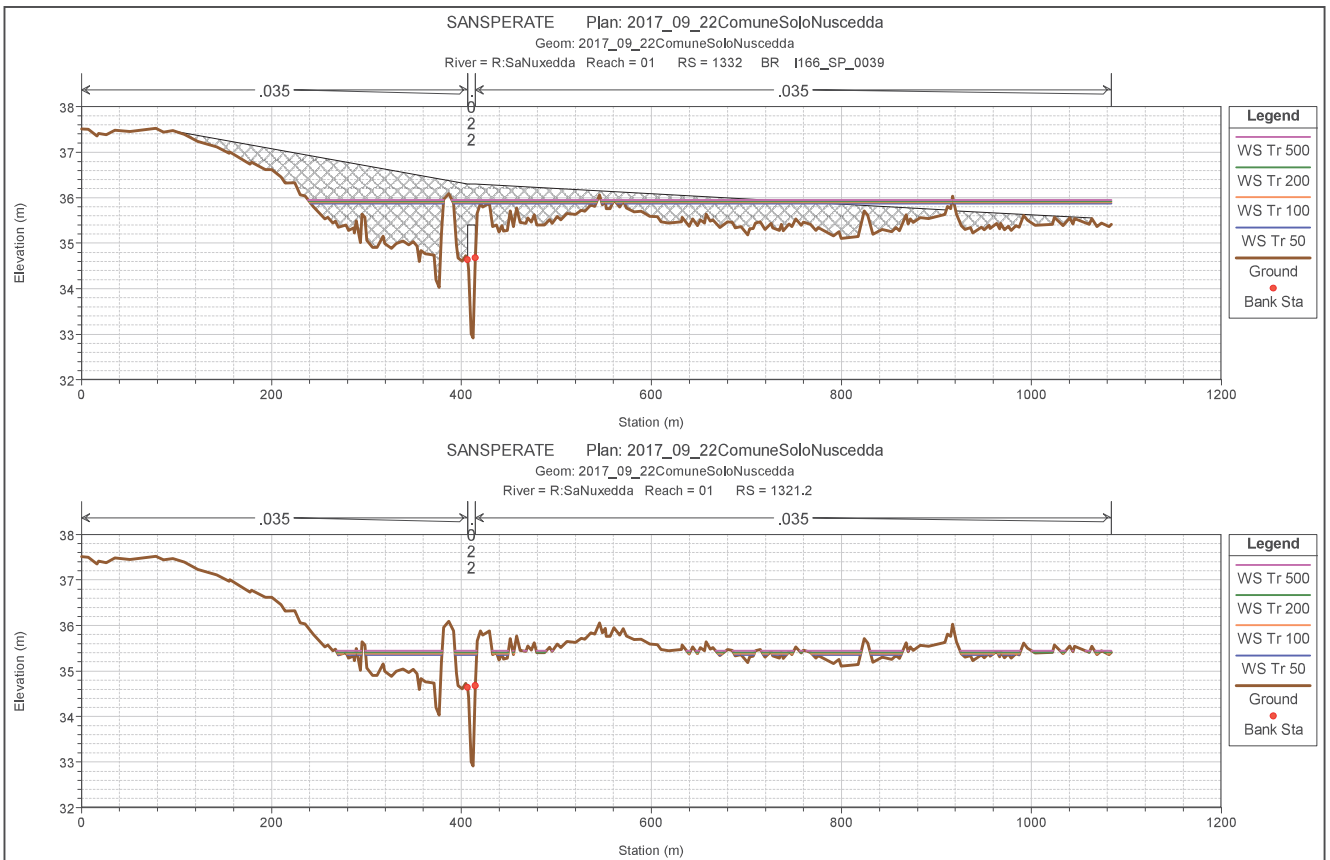


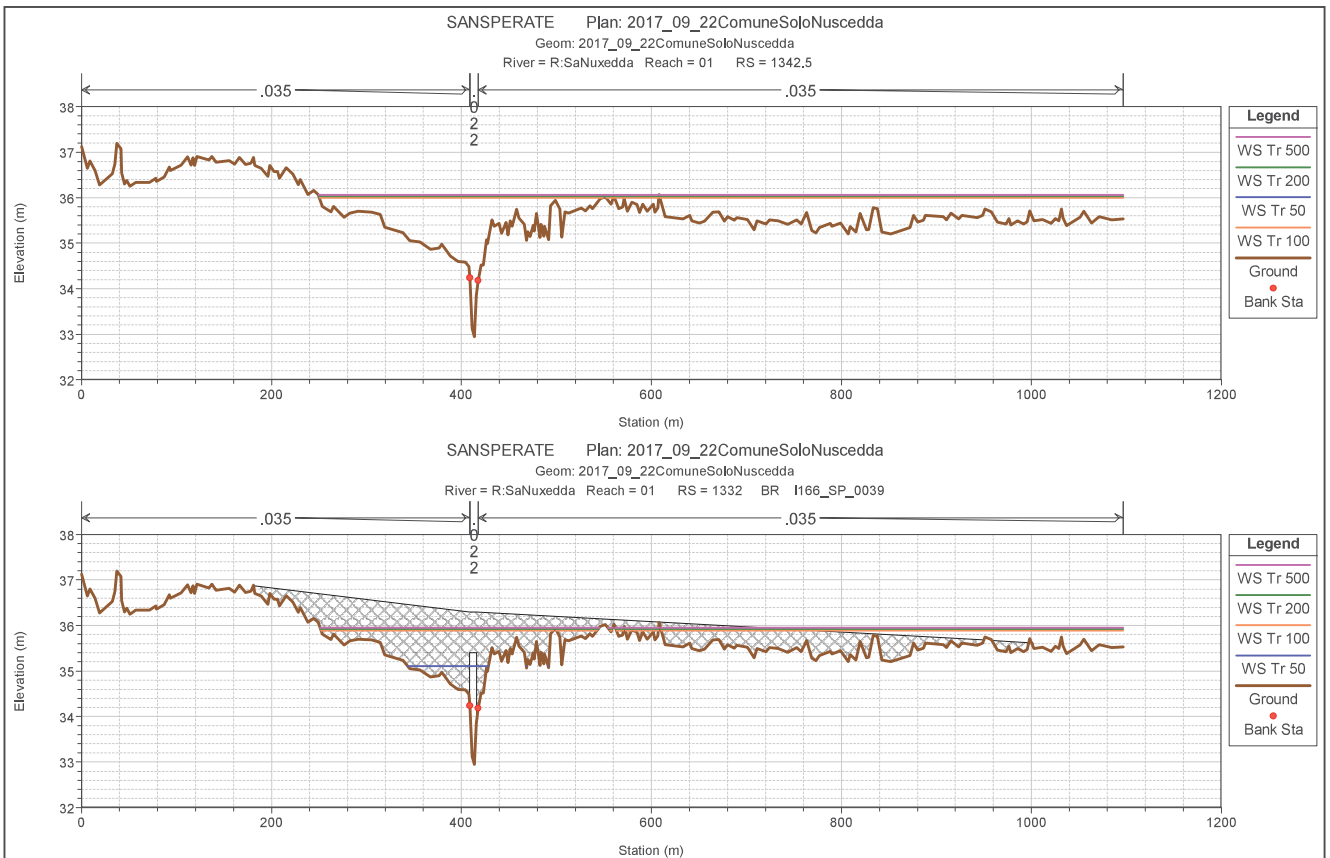


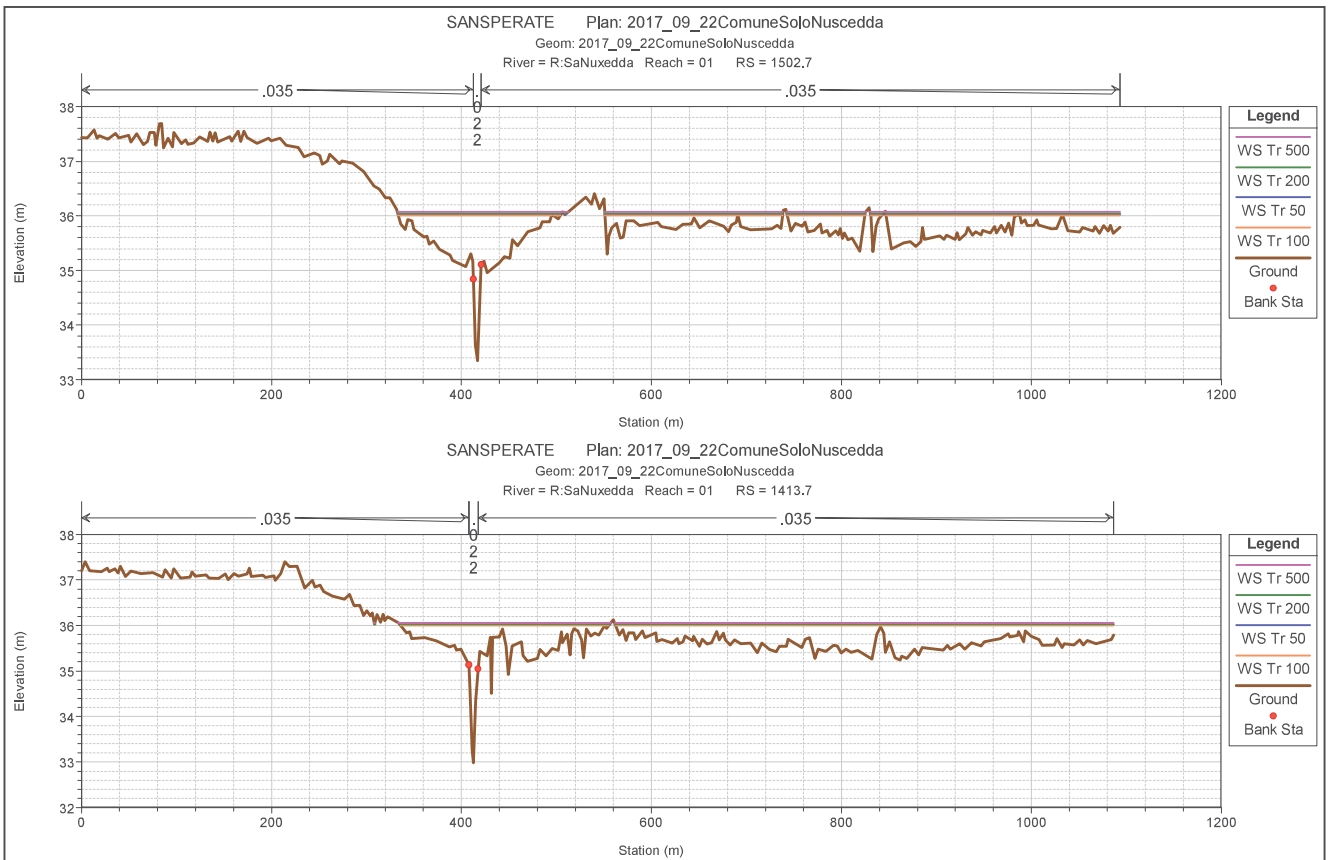


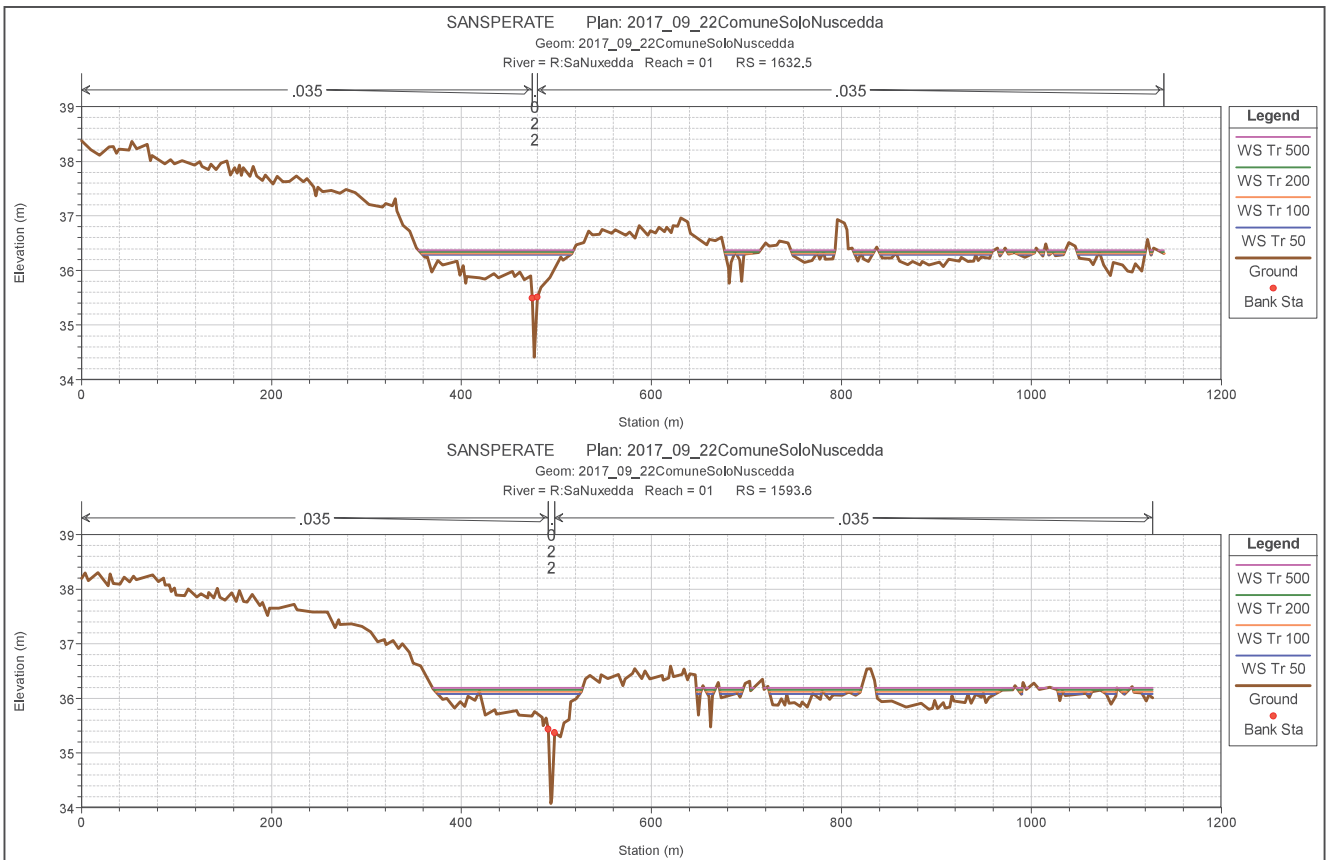


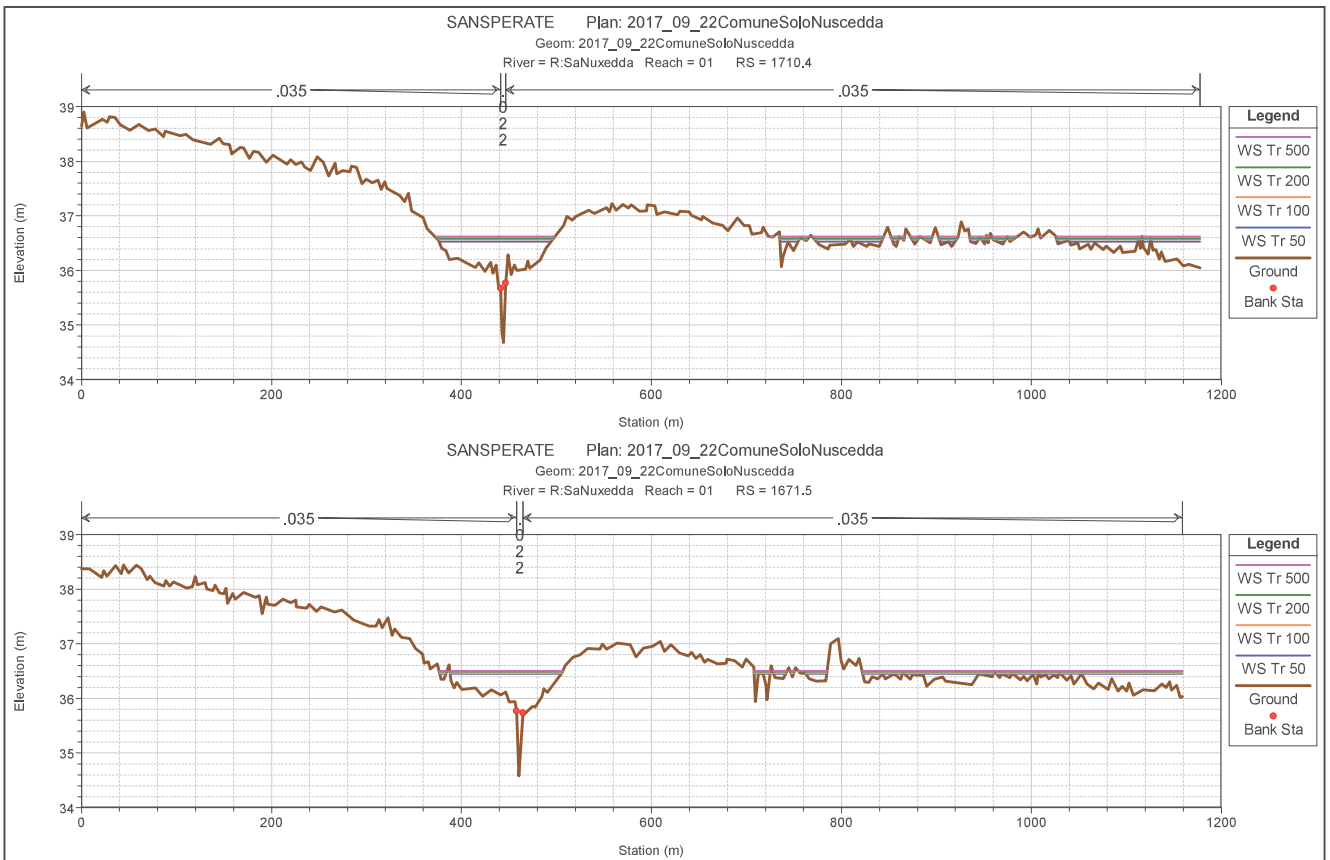


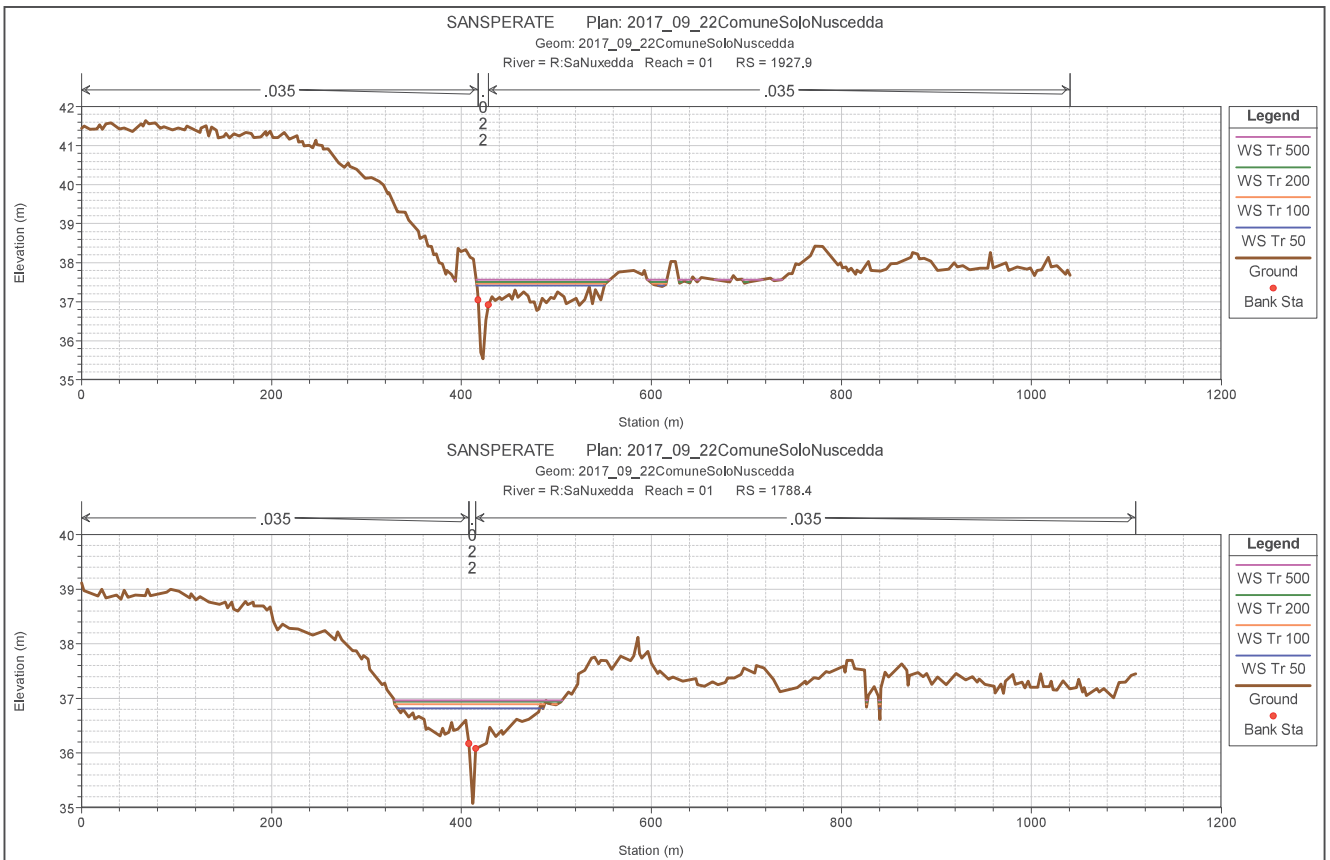


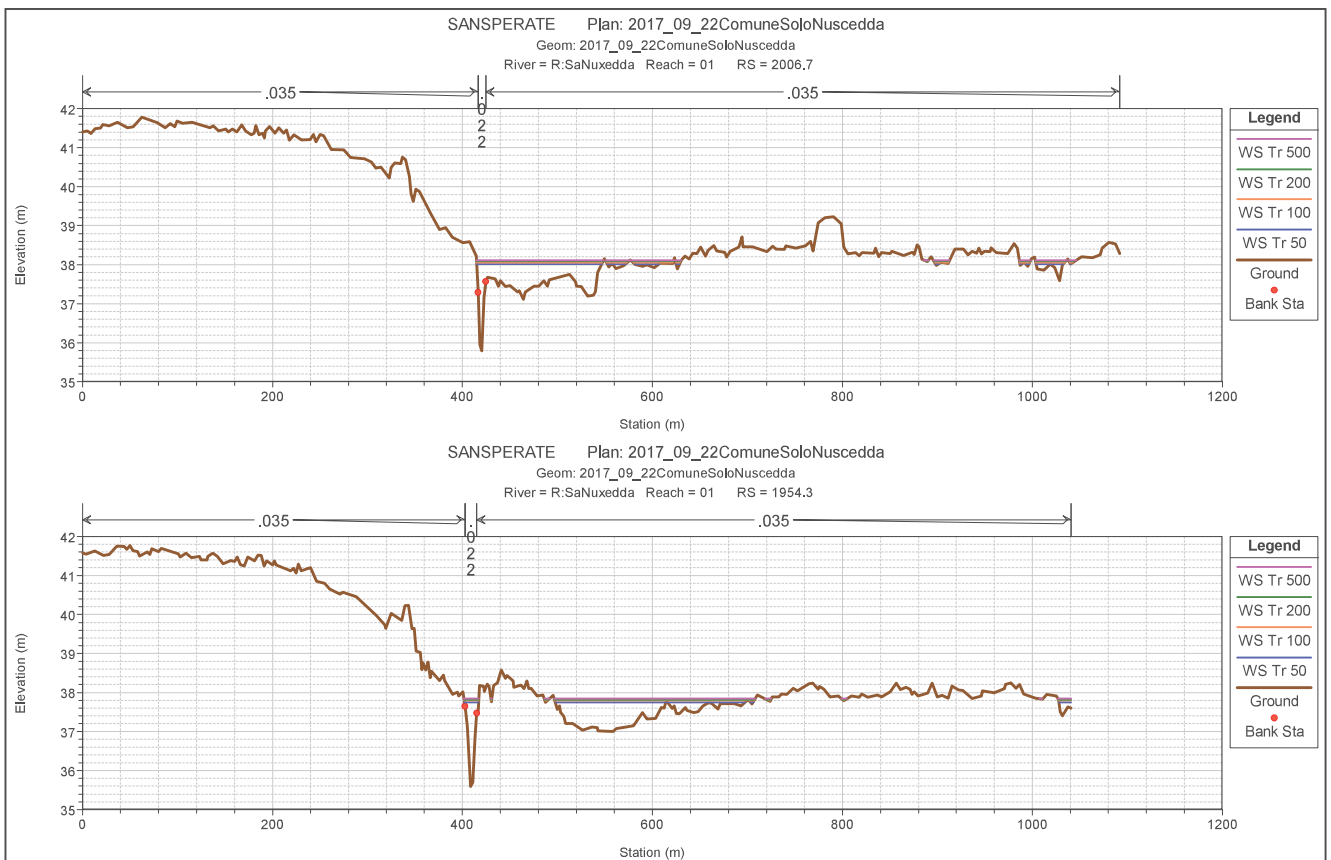


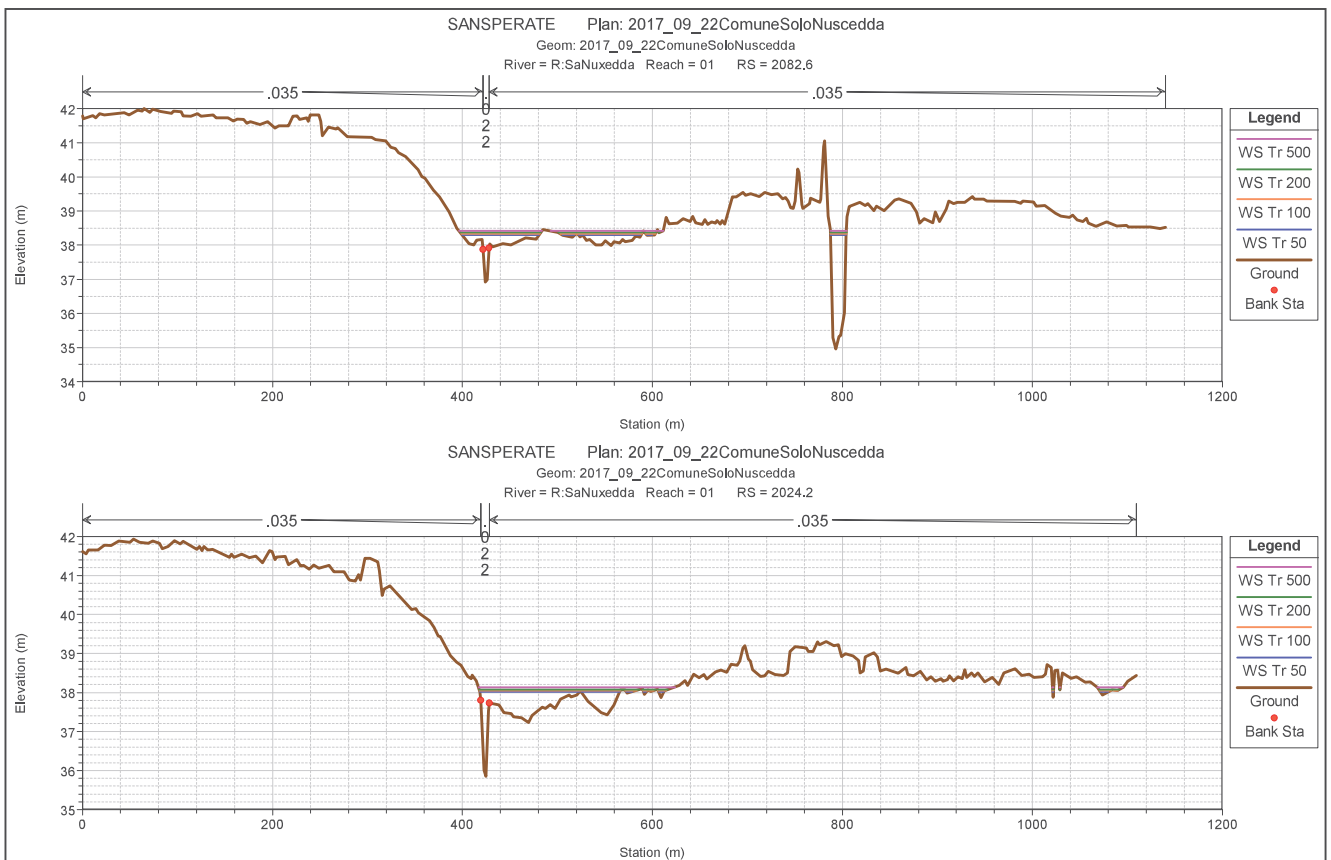


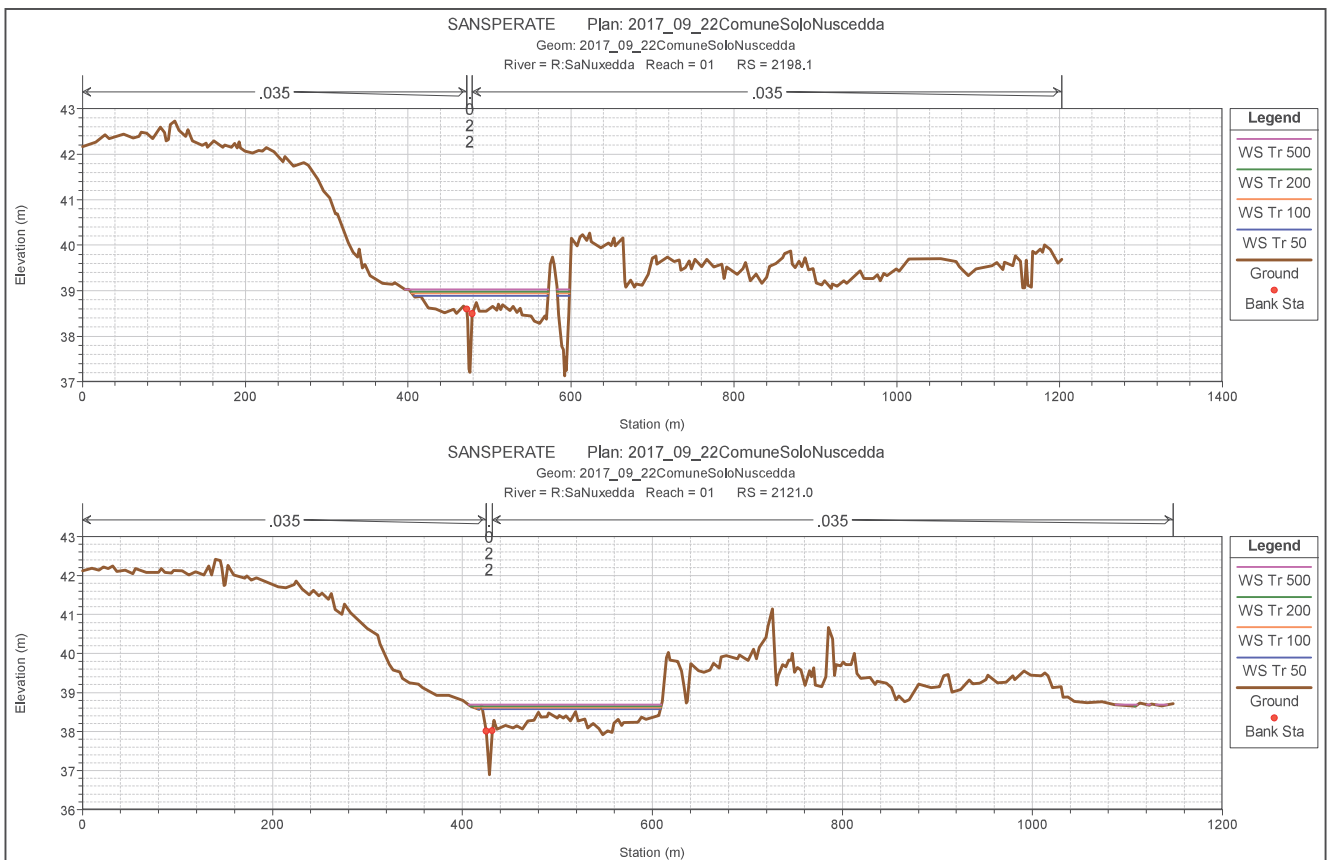


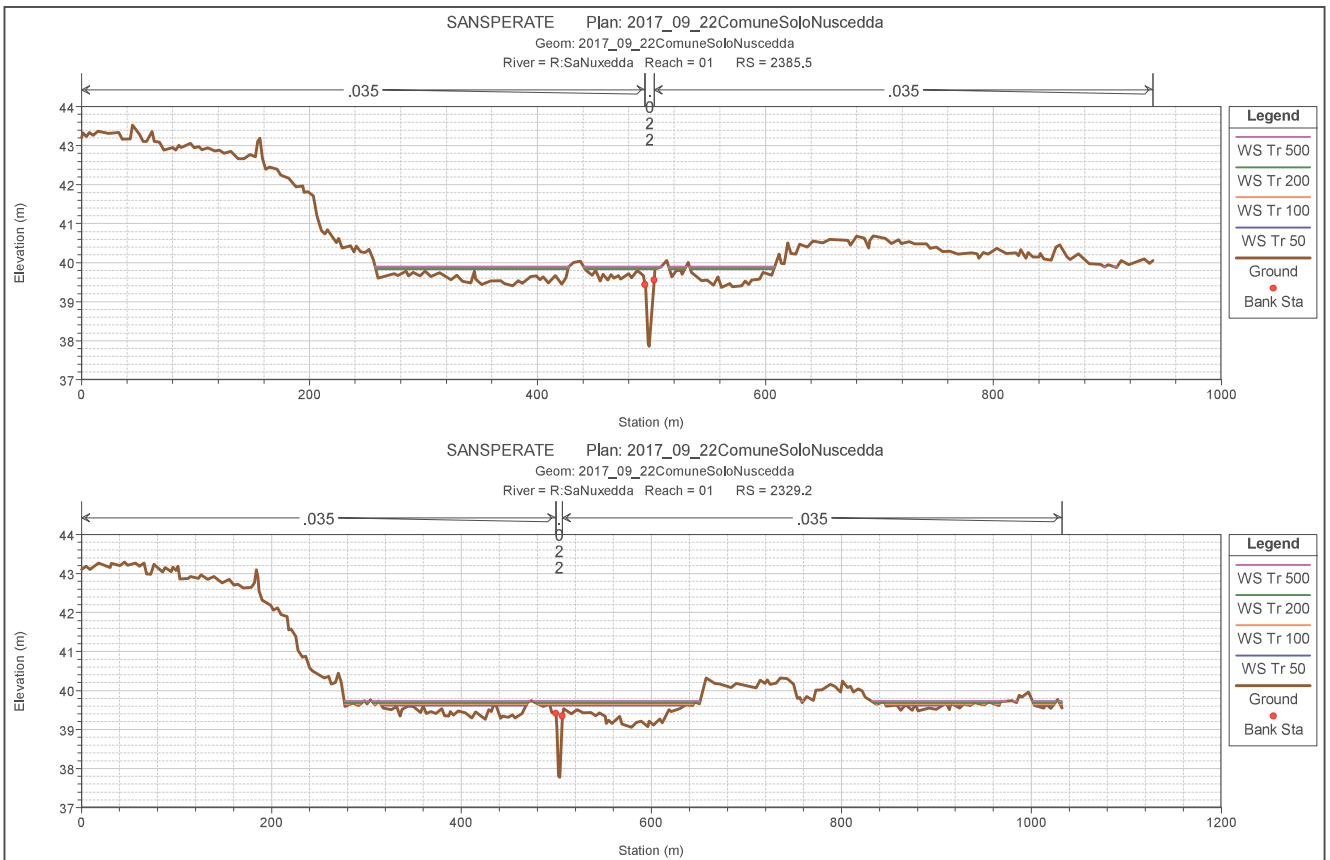


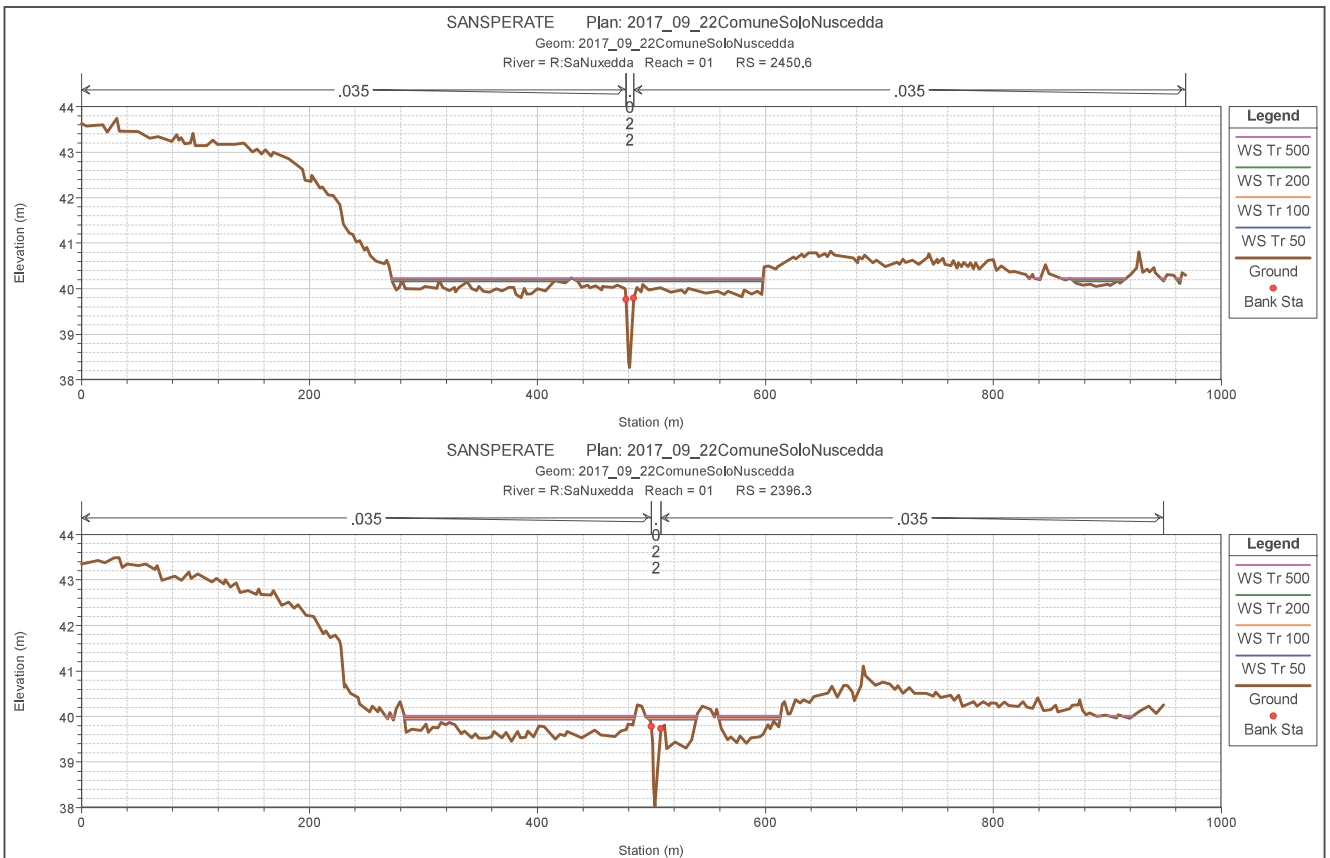


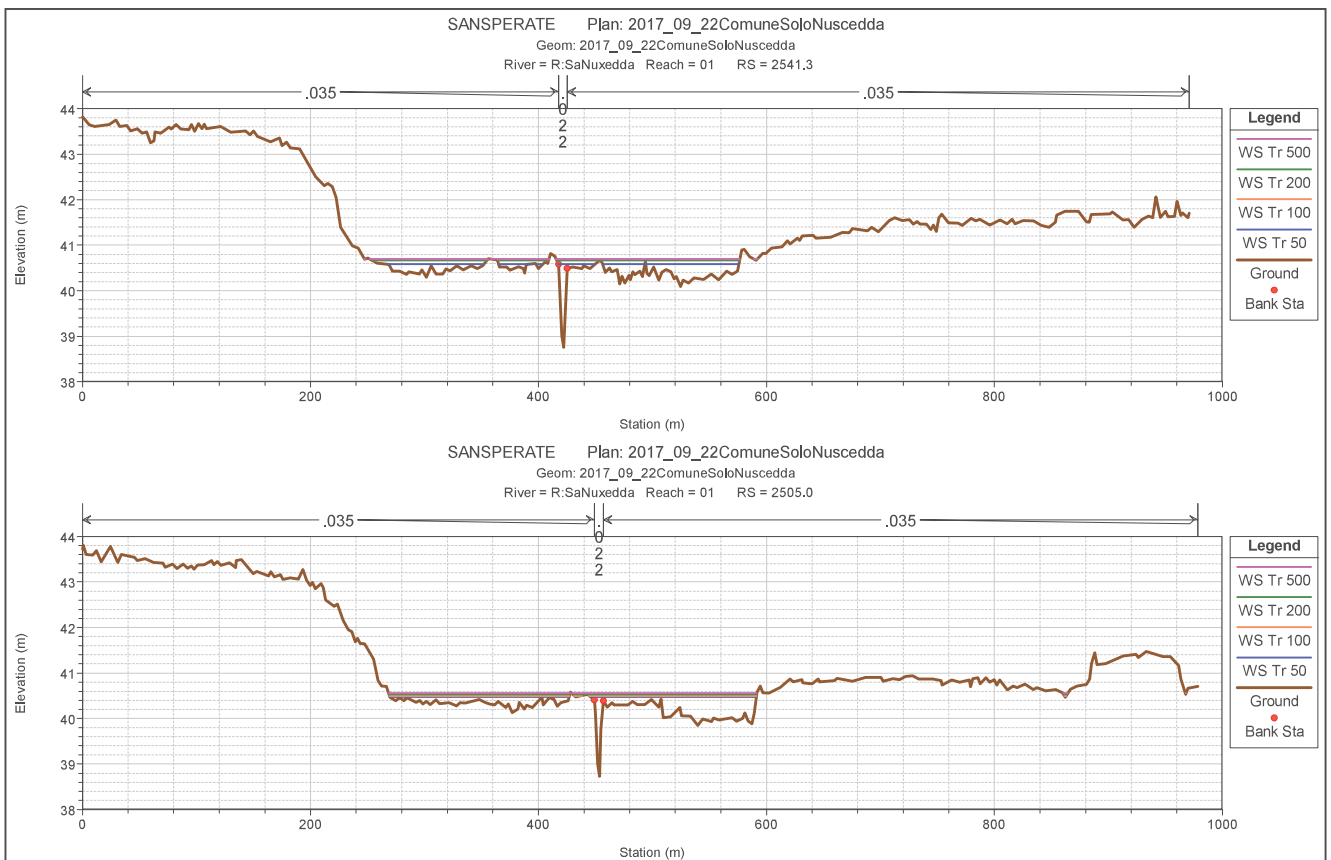


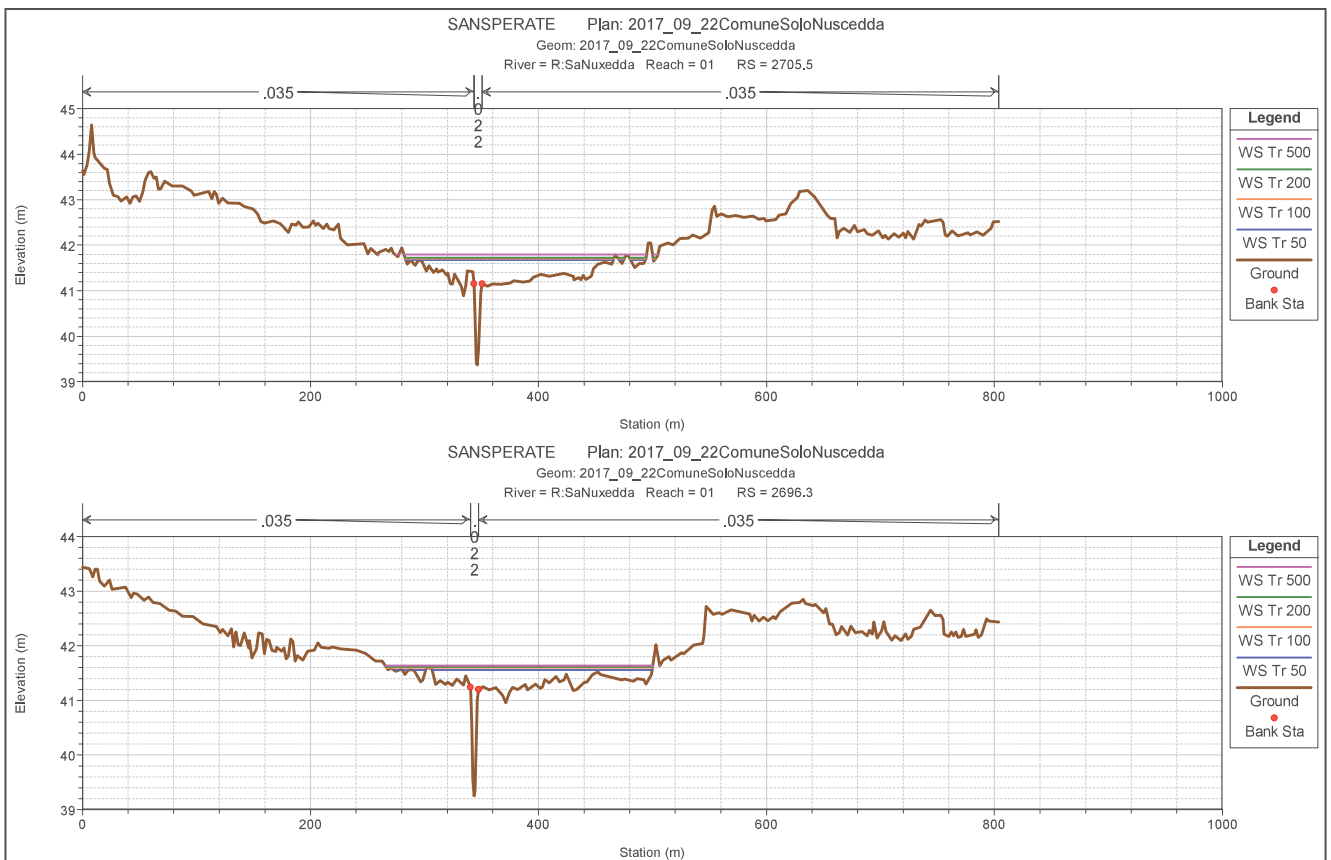


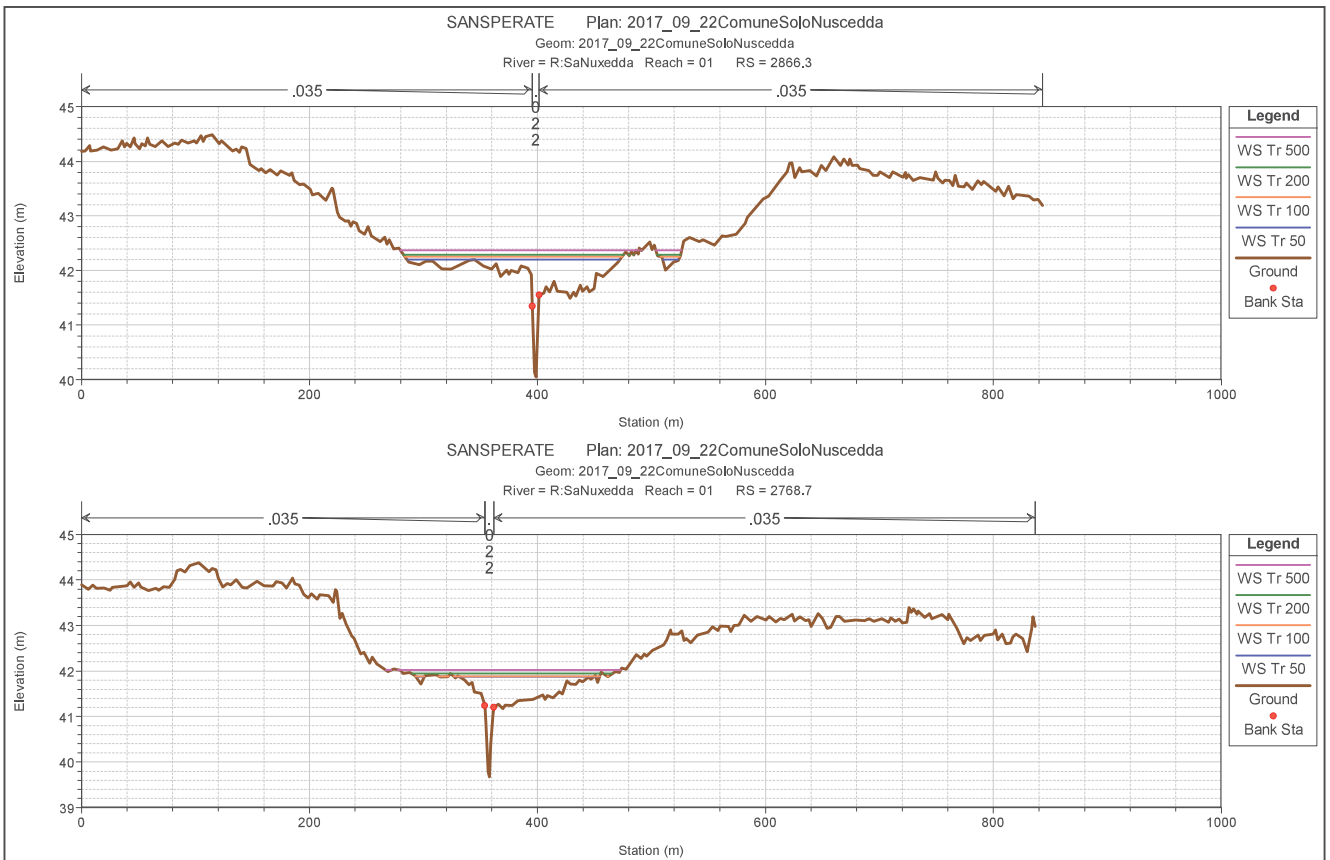


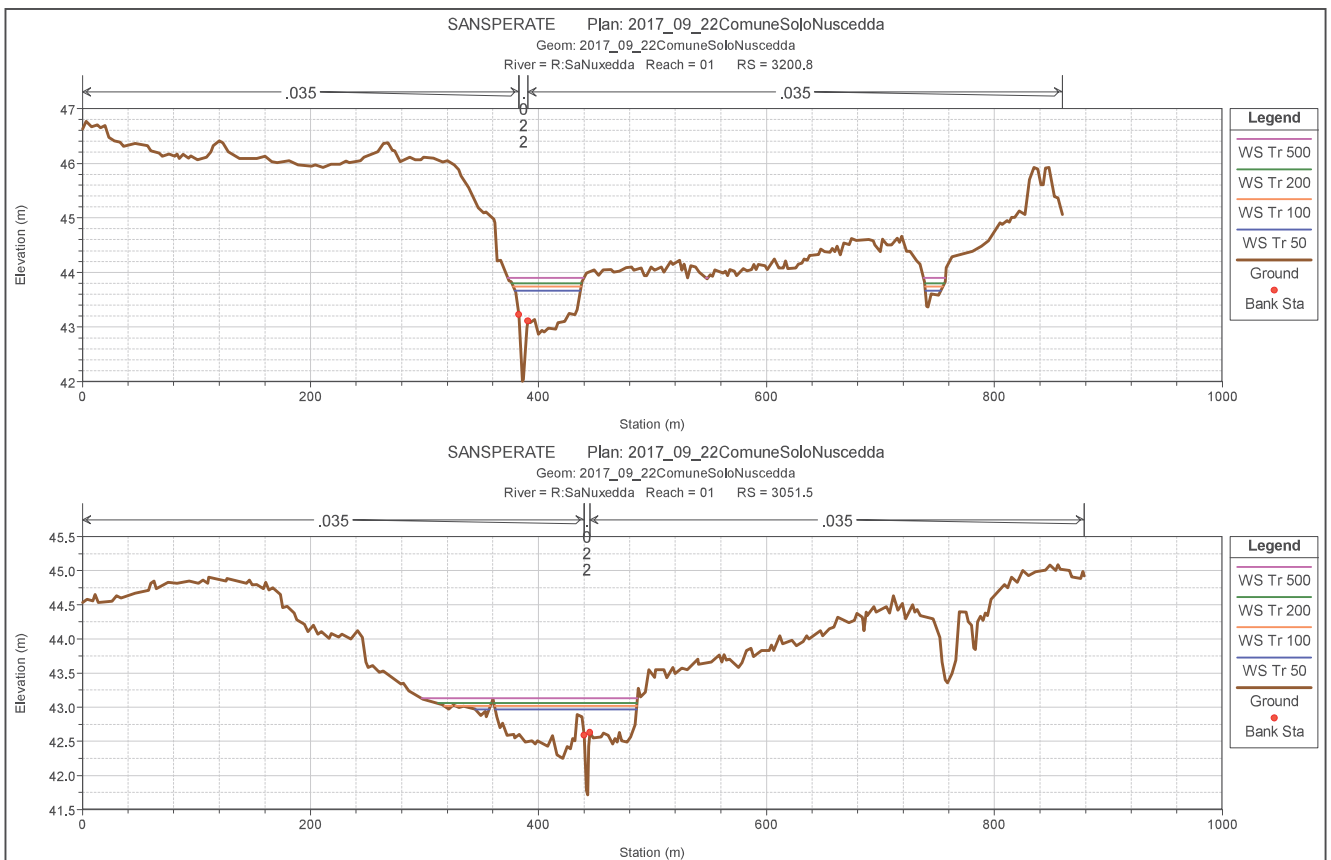


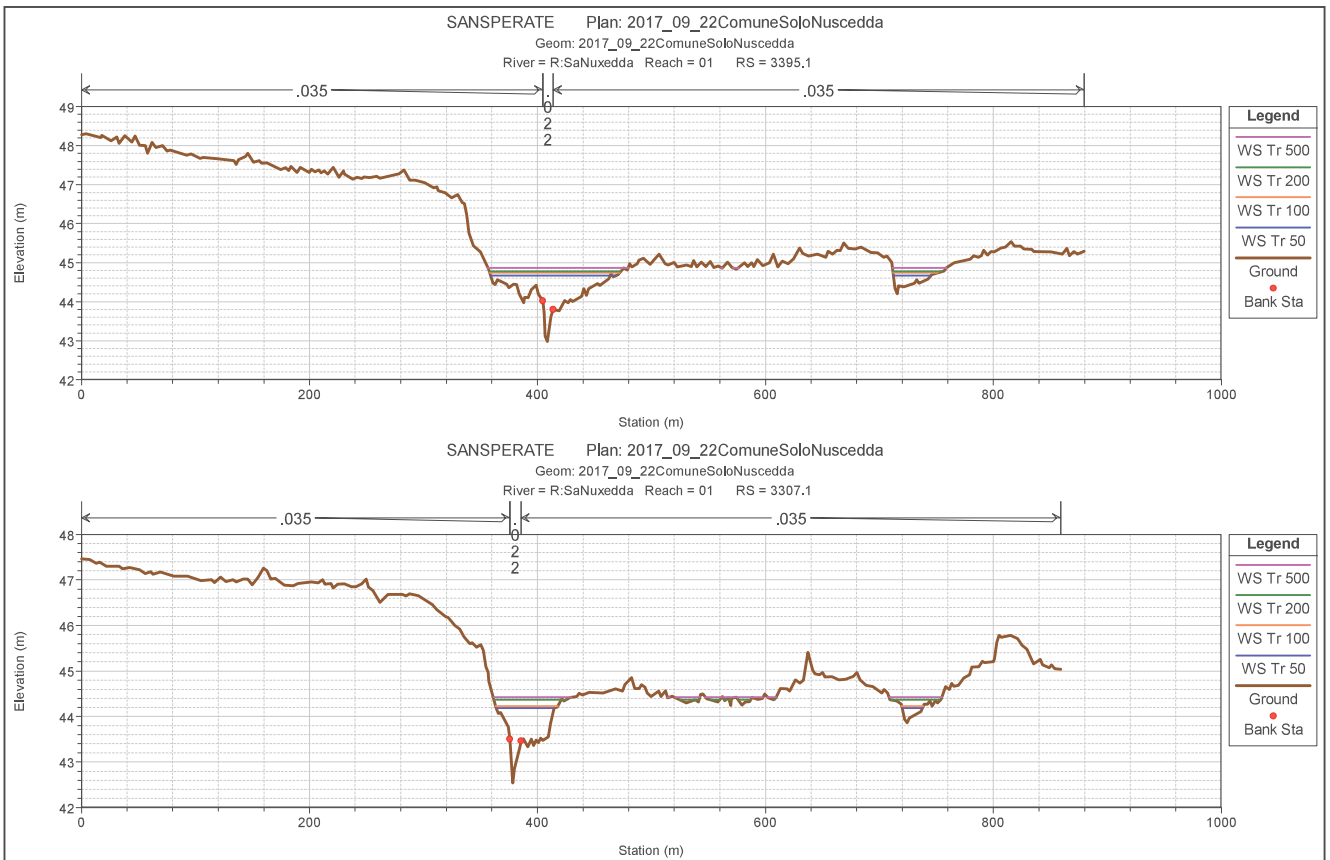


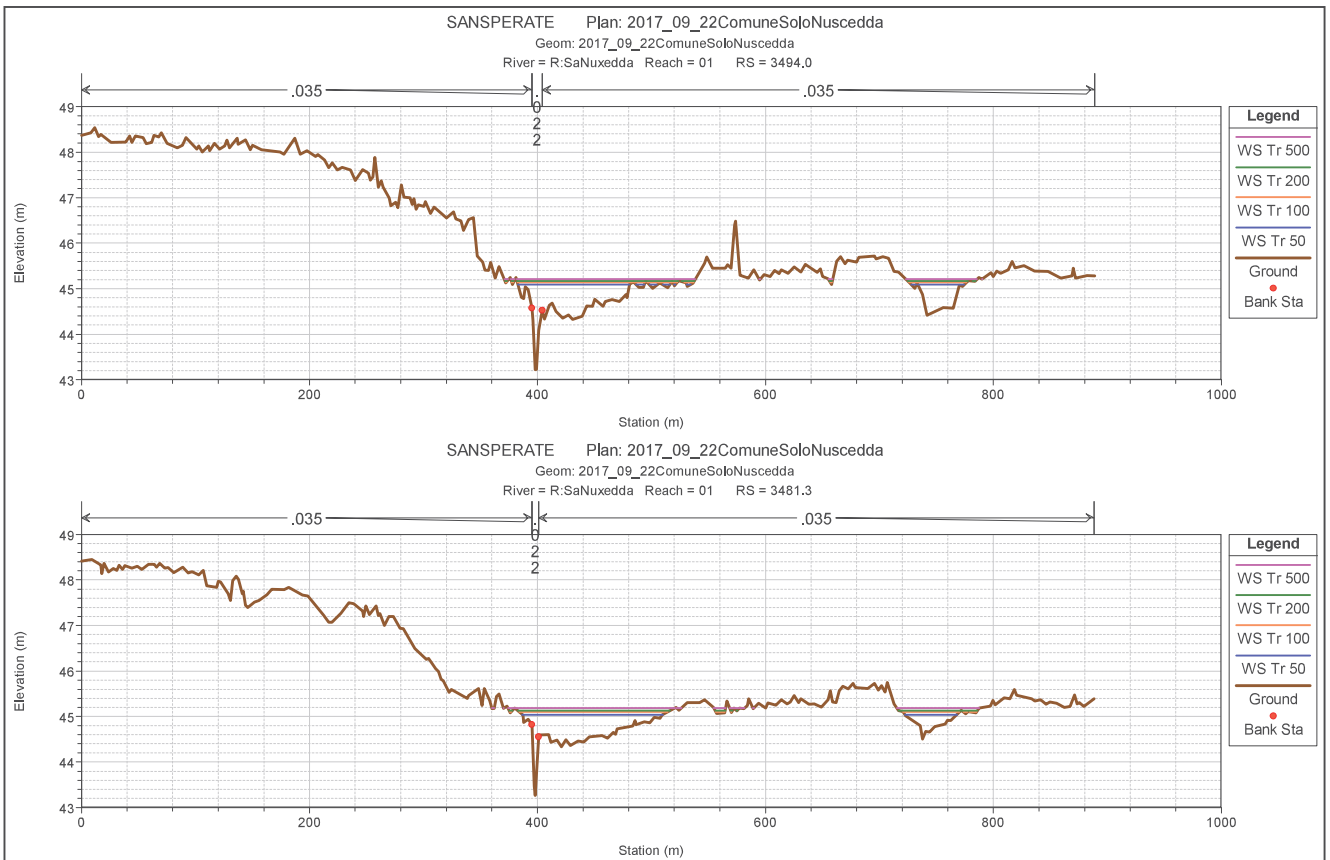


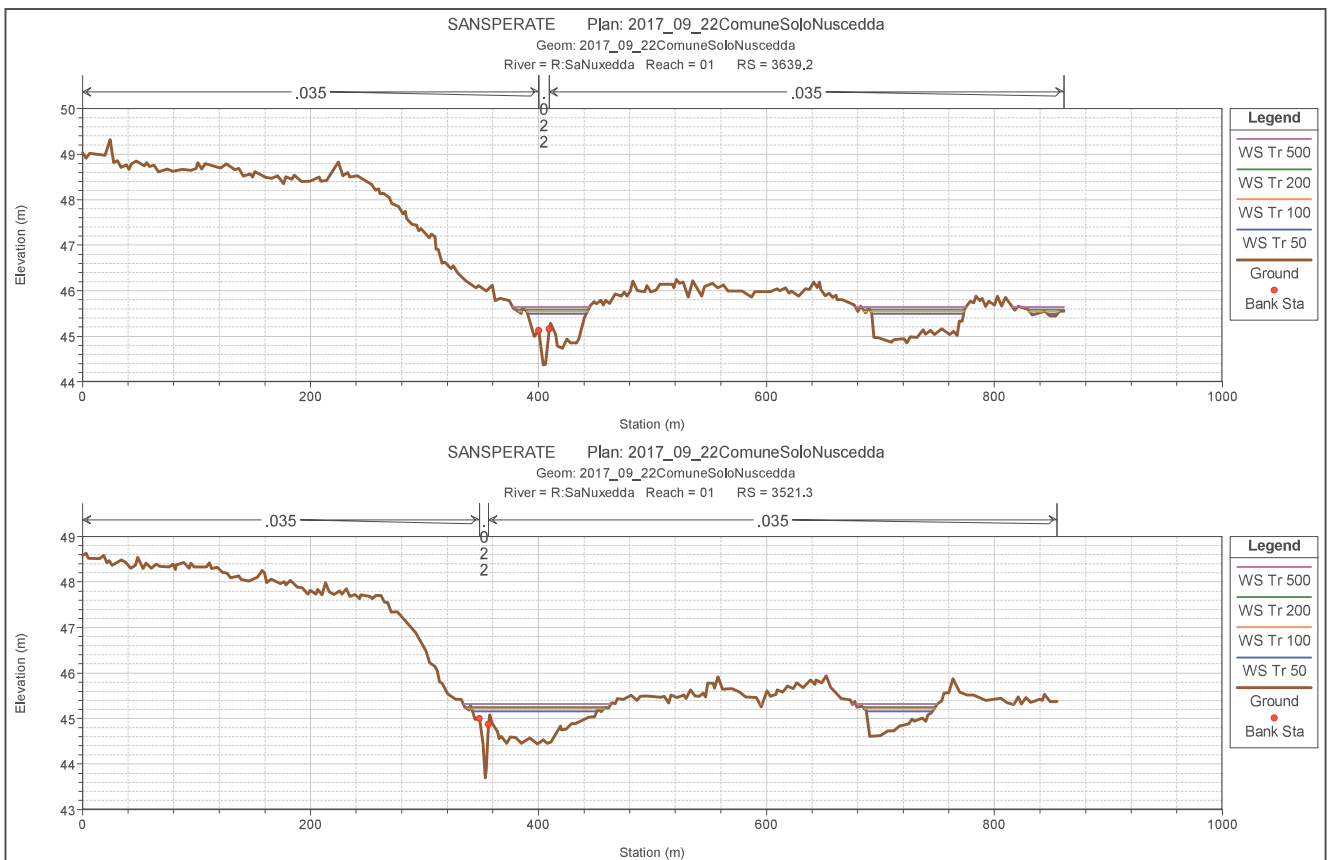


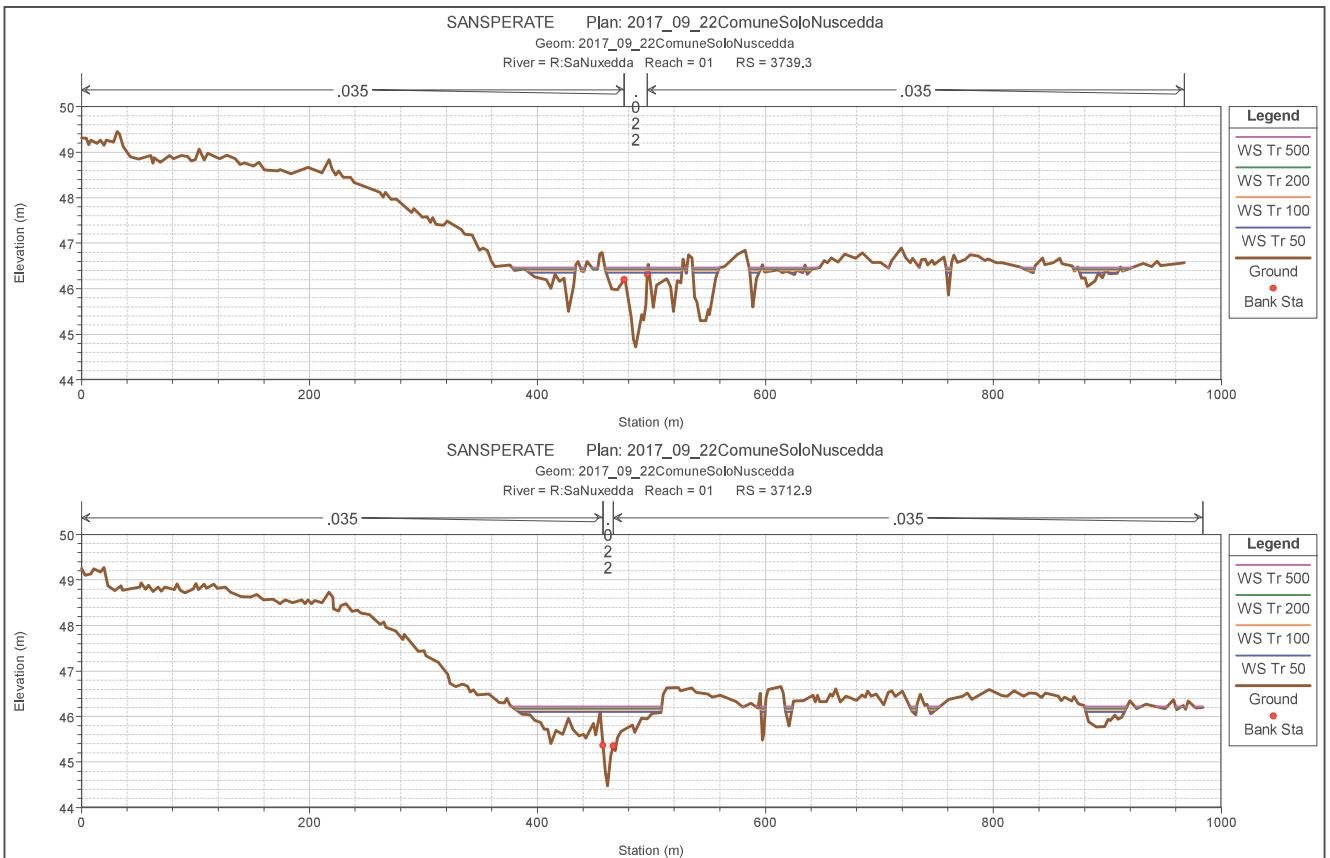


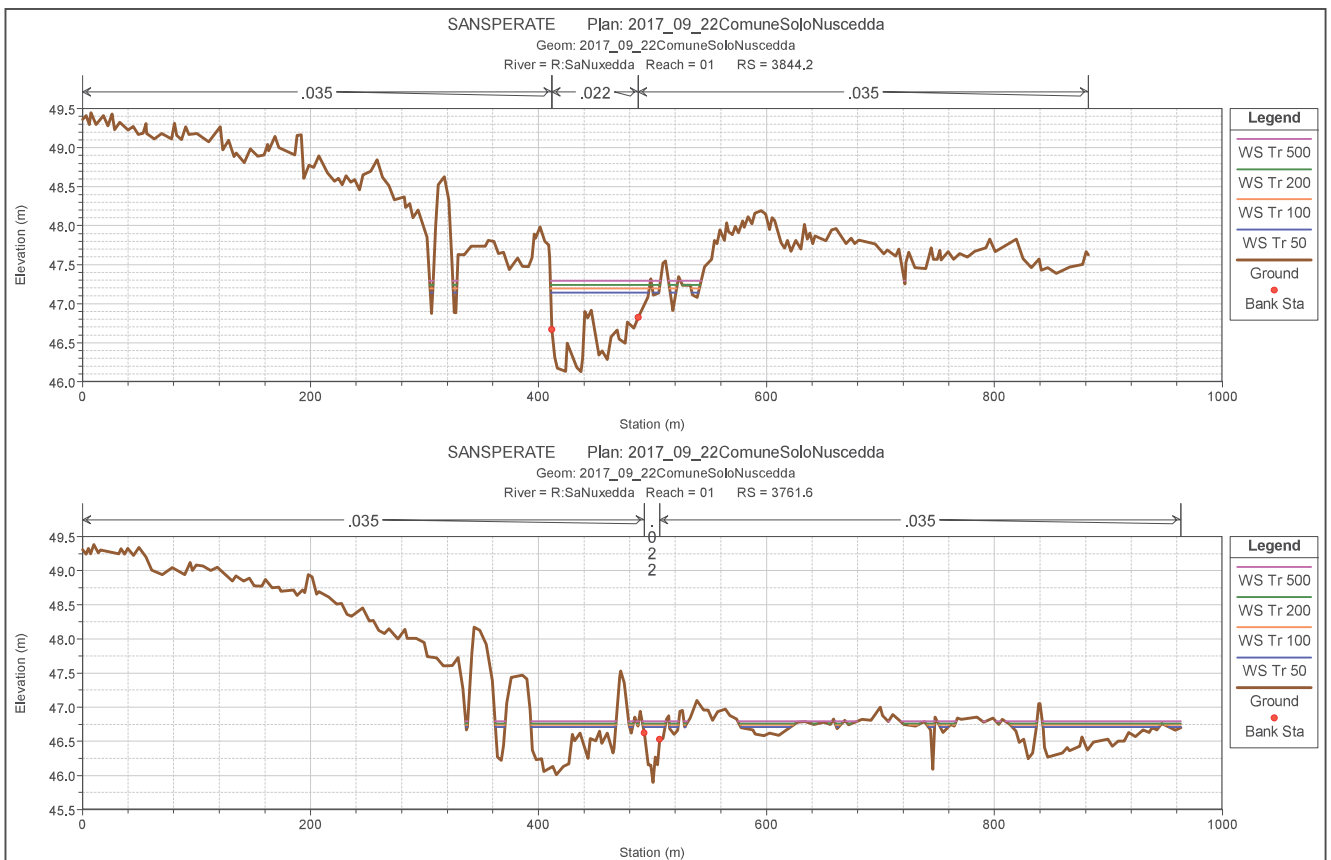


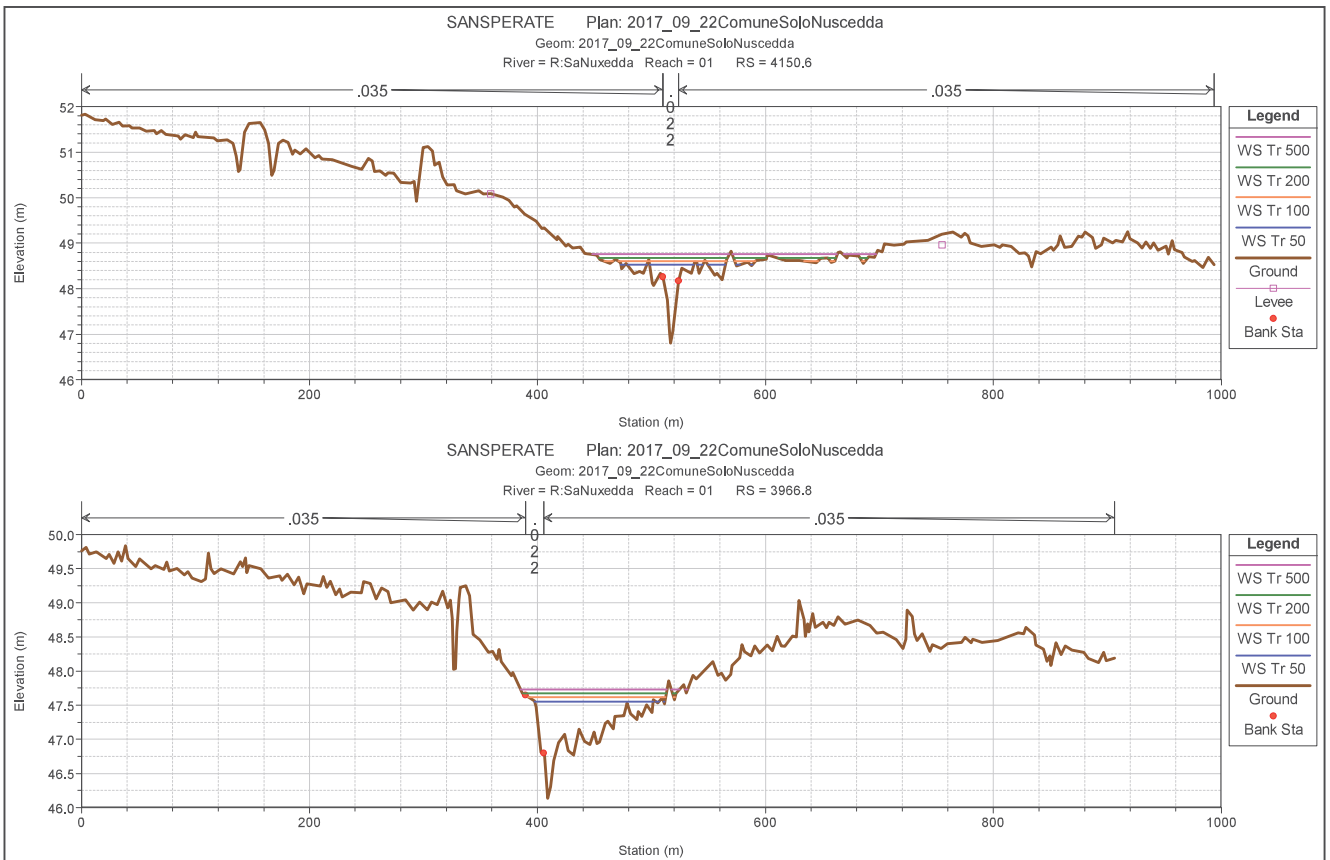


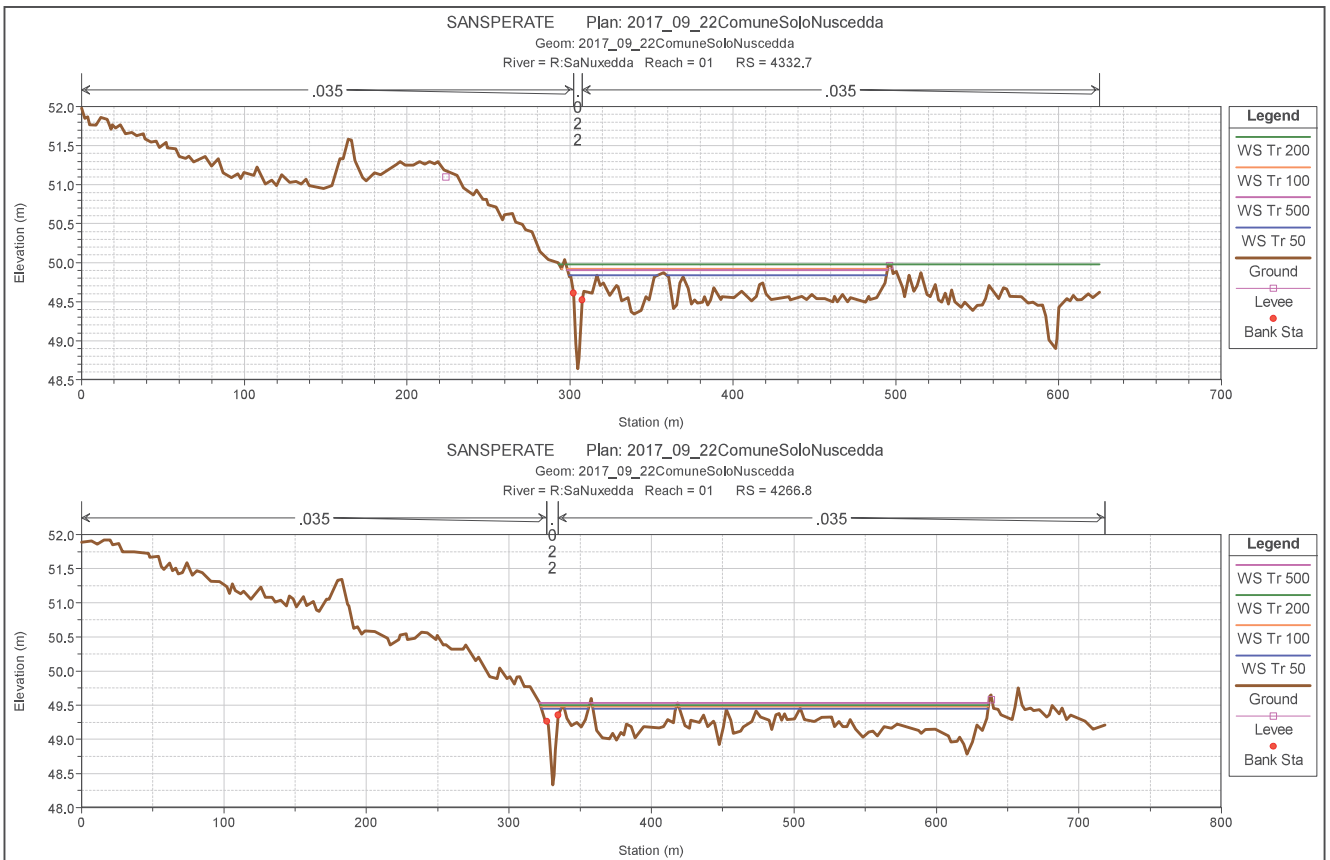


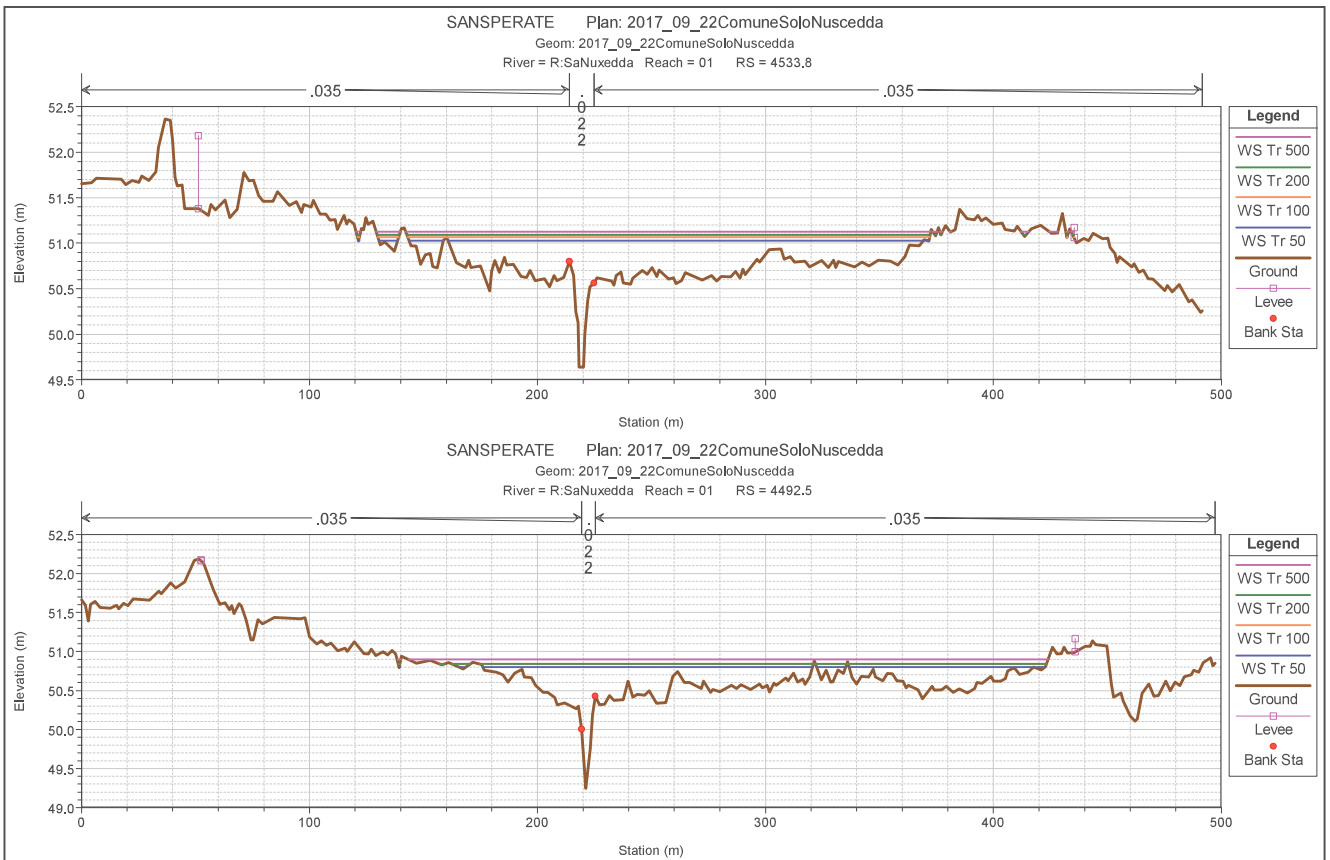


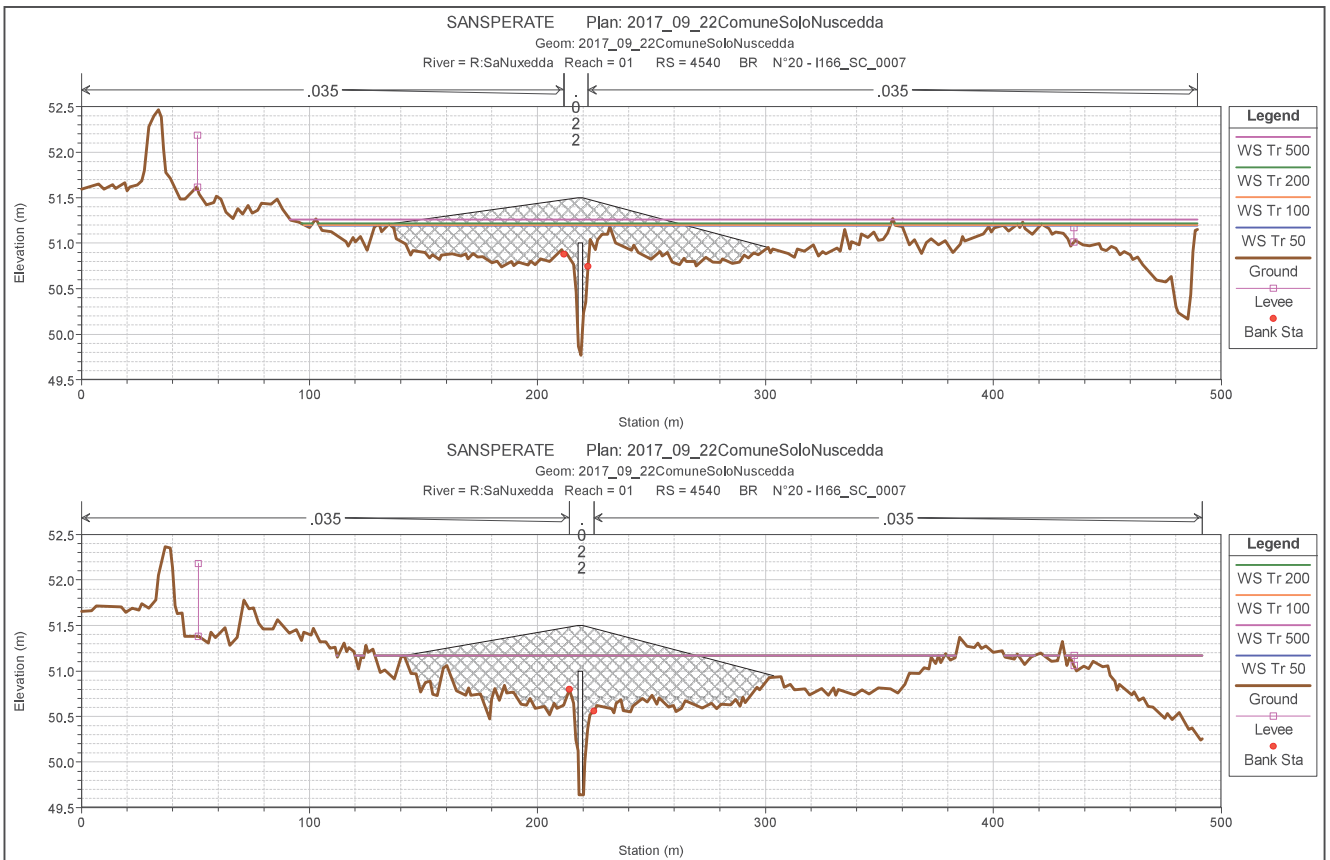


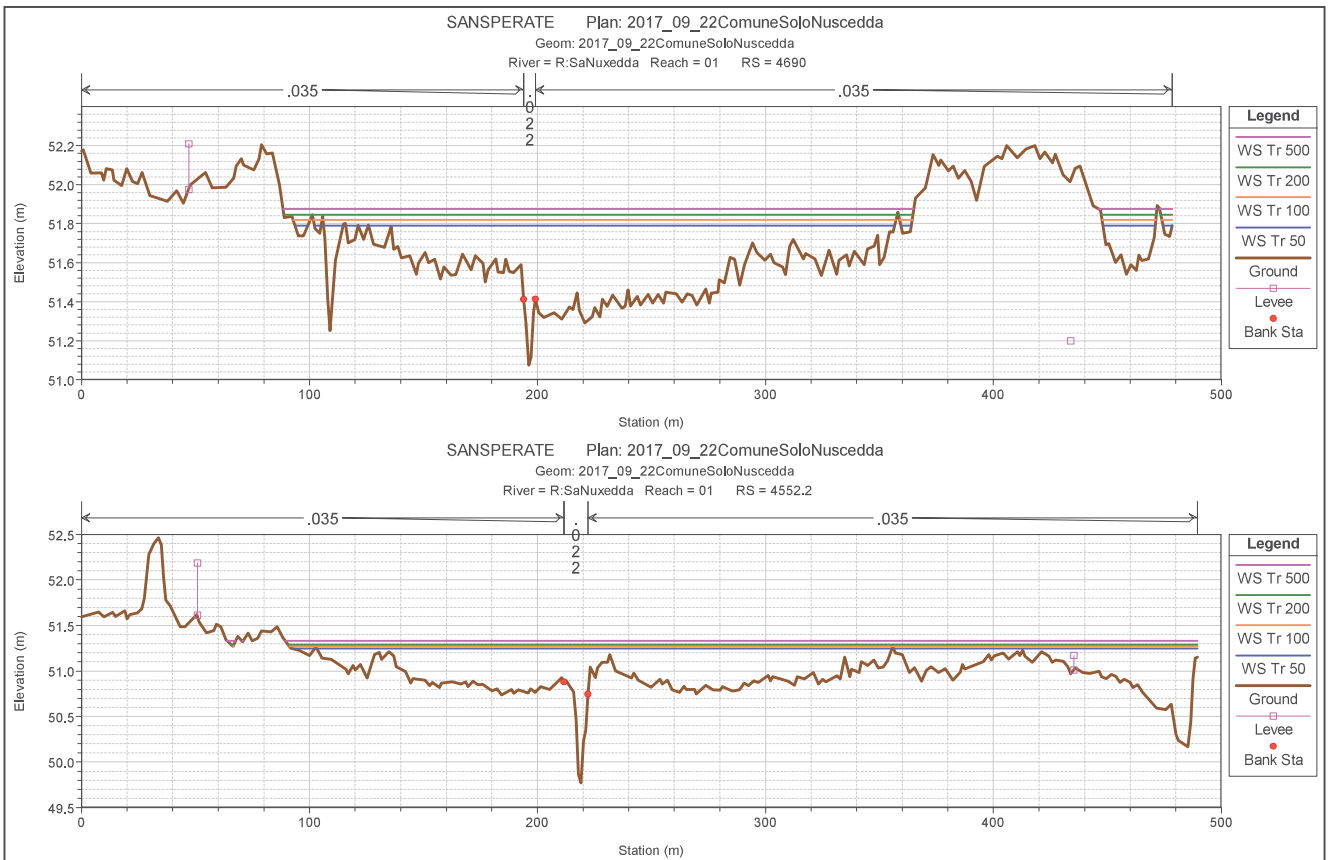


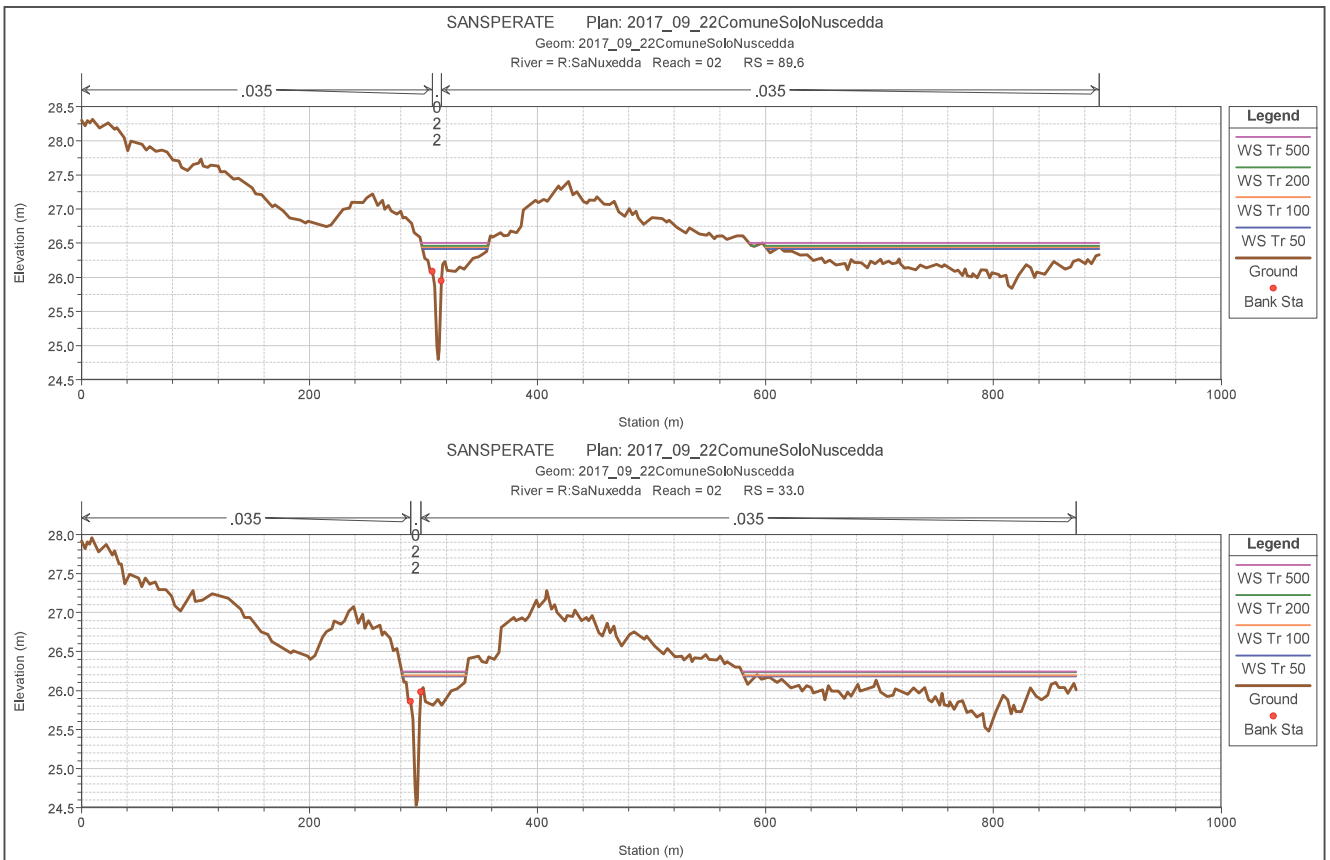


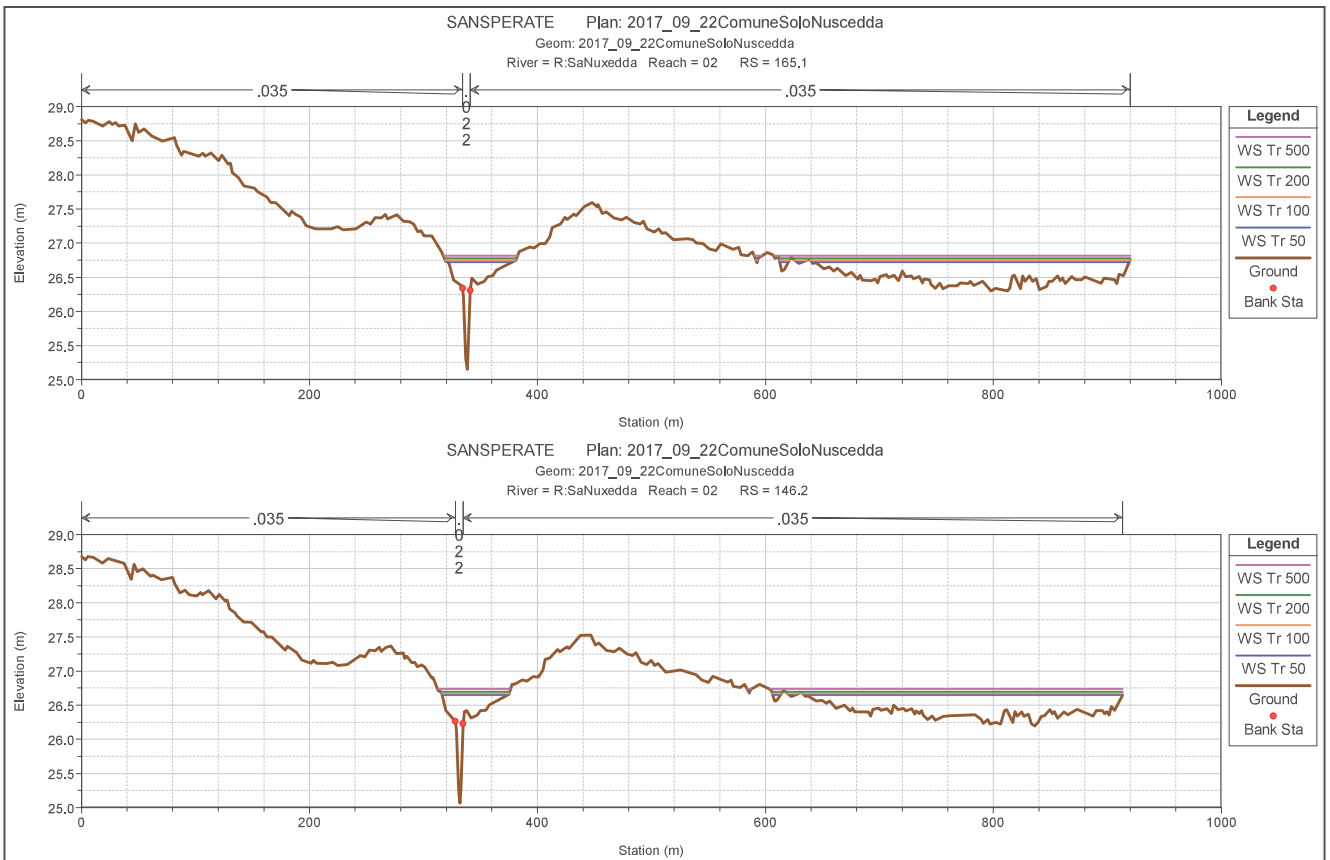


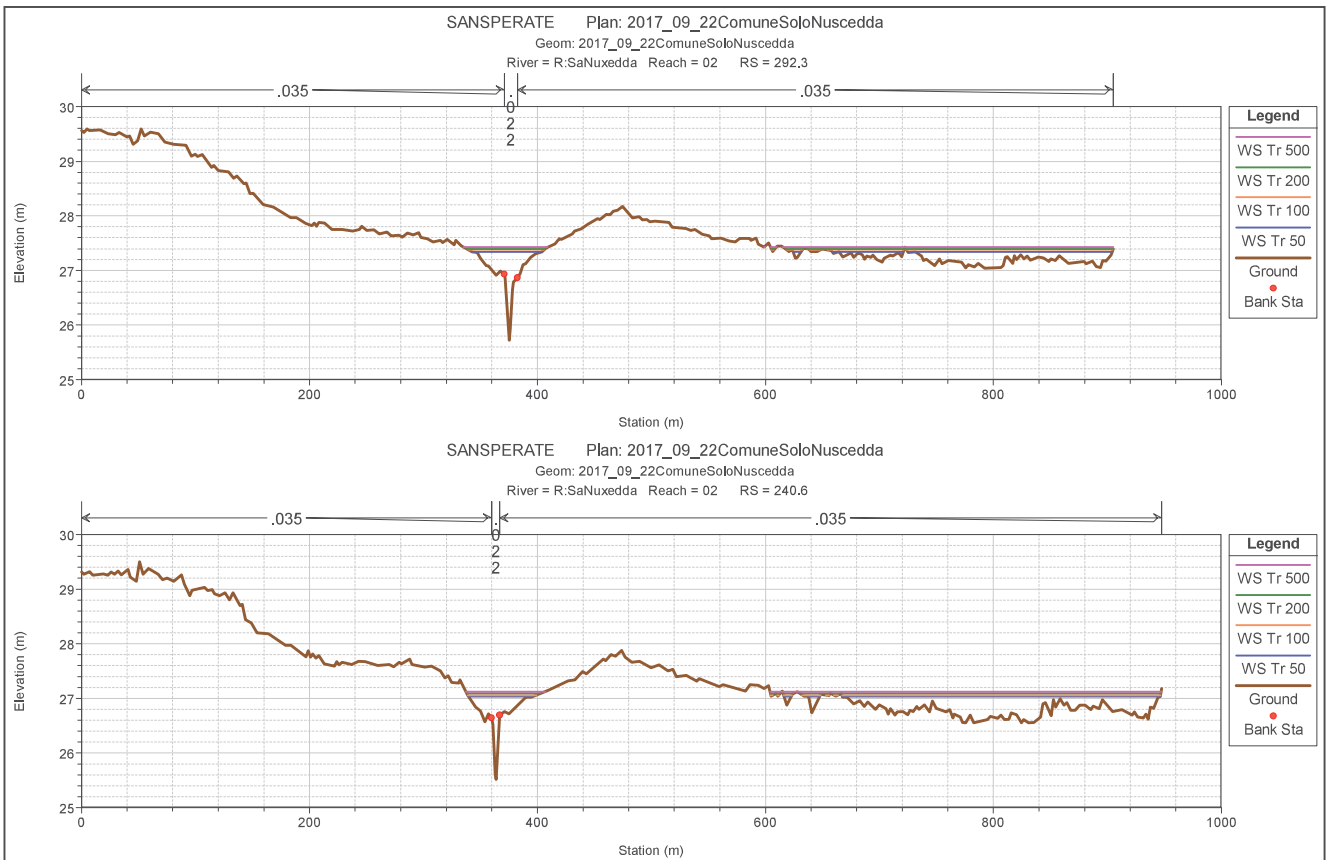


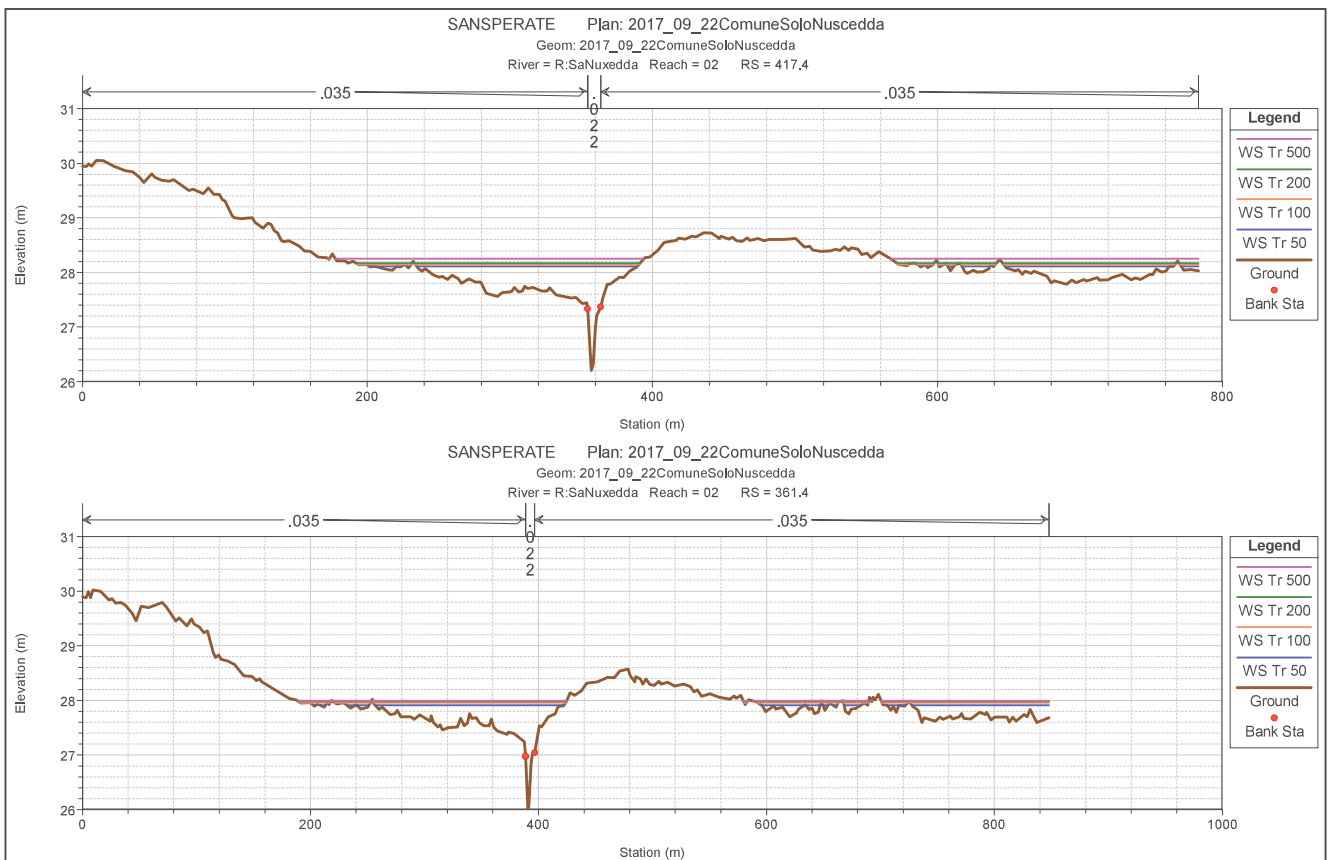


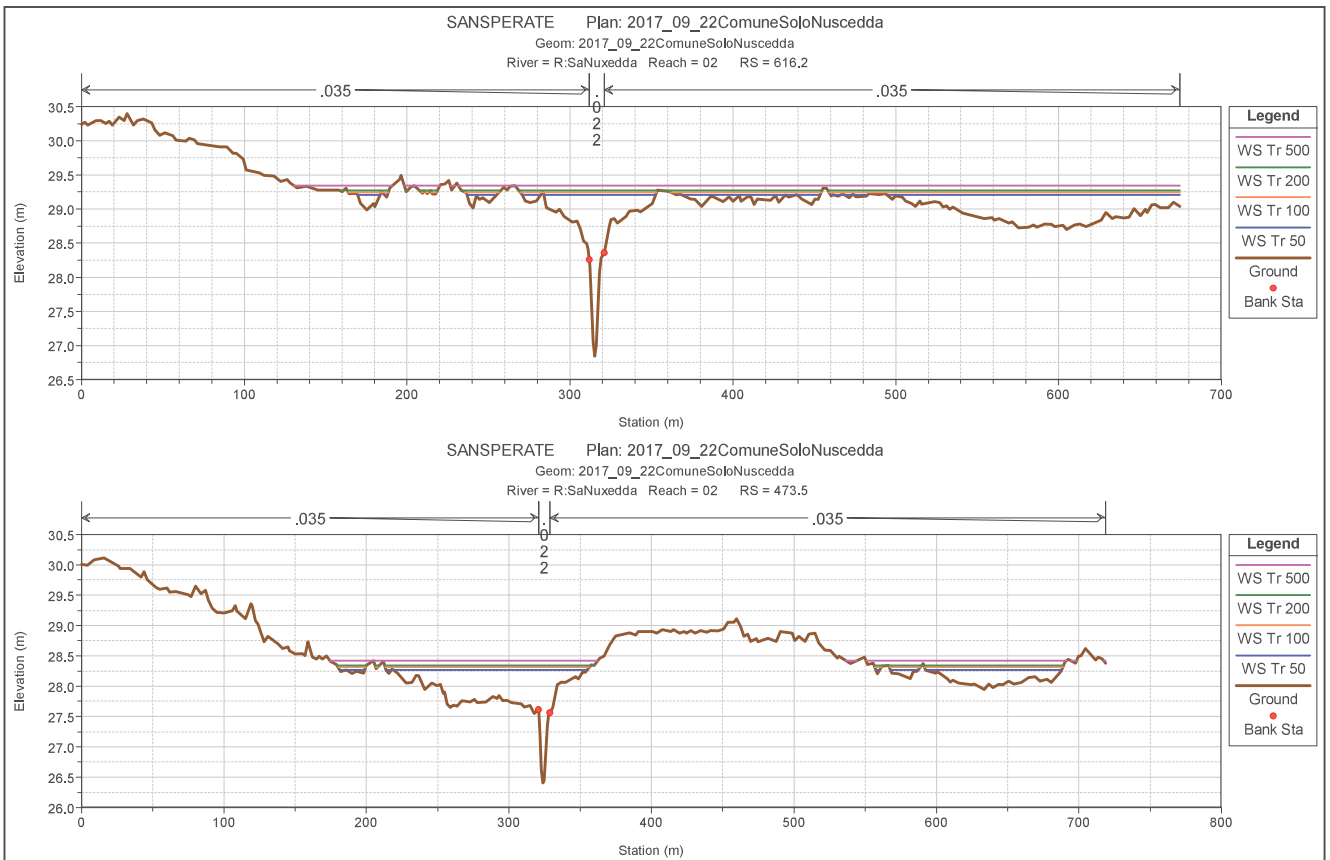










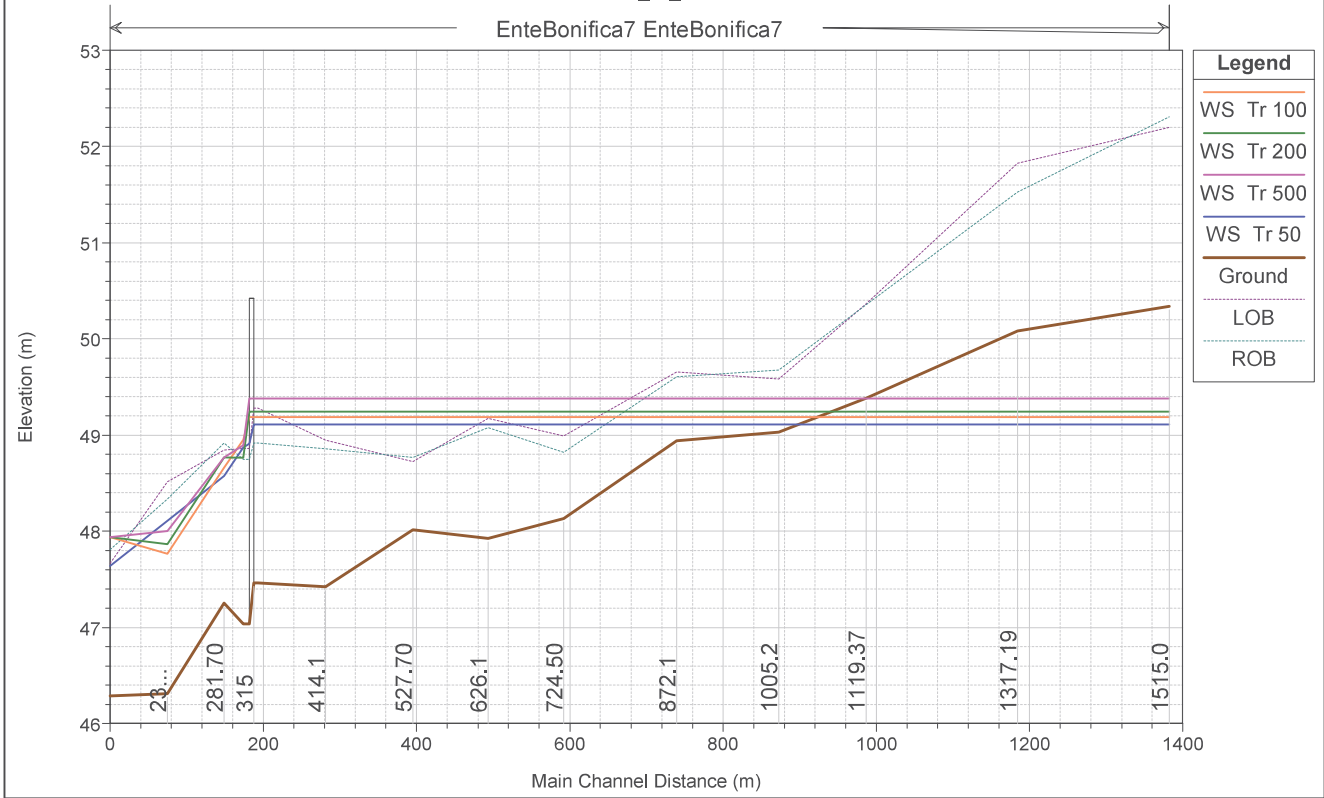


RIU SA NUXEDDA

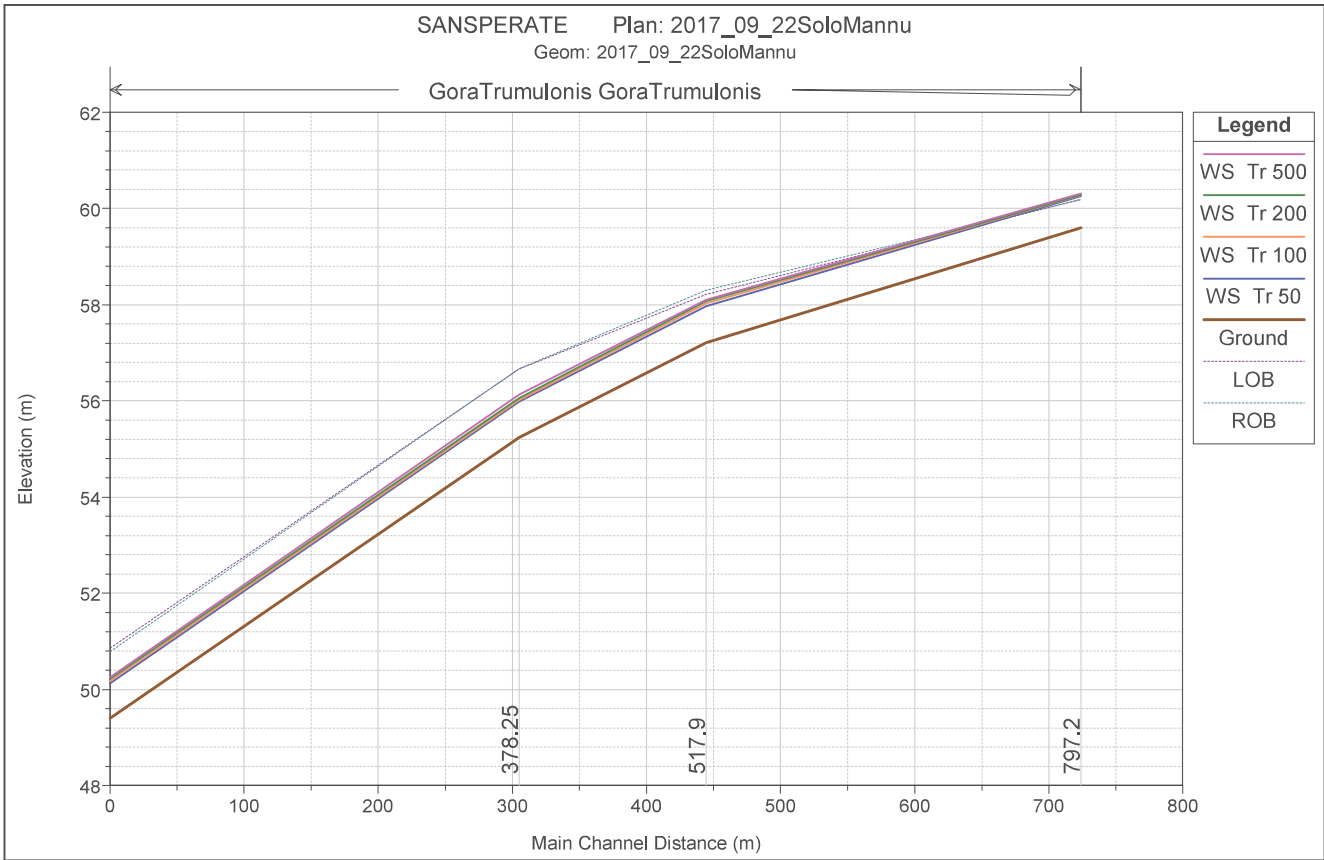
FIUME 34727

Sezioni - Tabelle - Profili

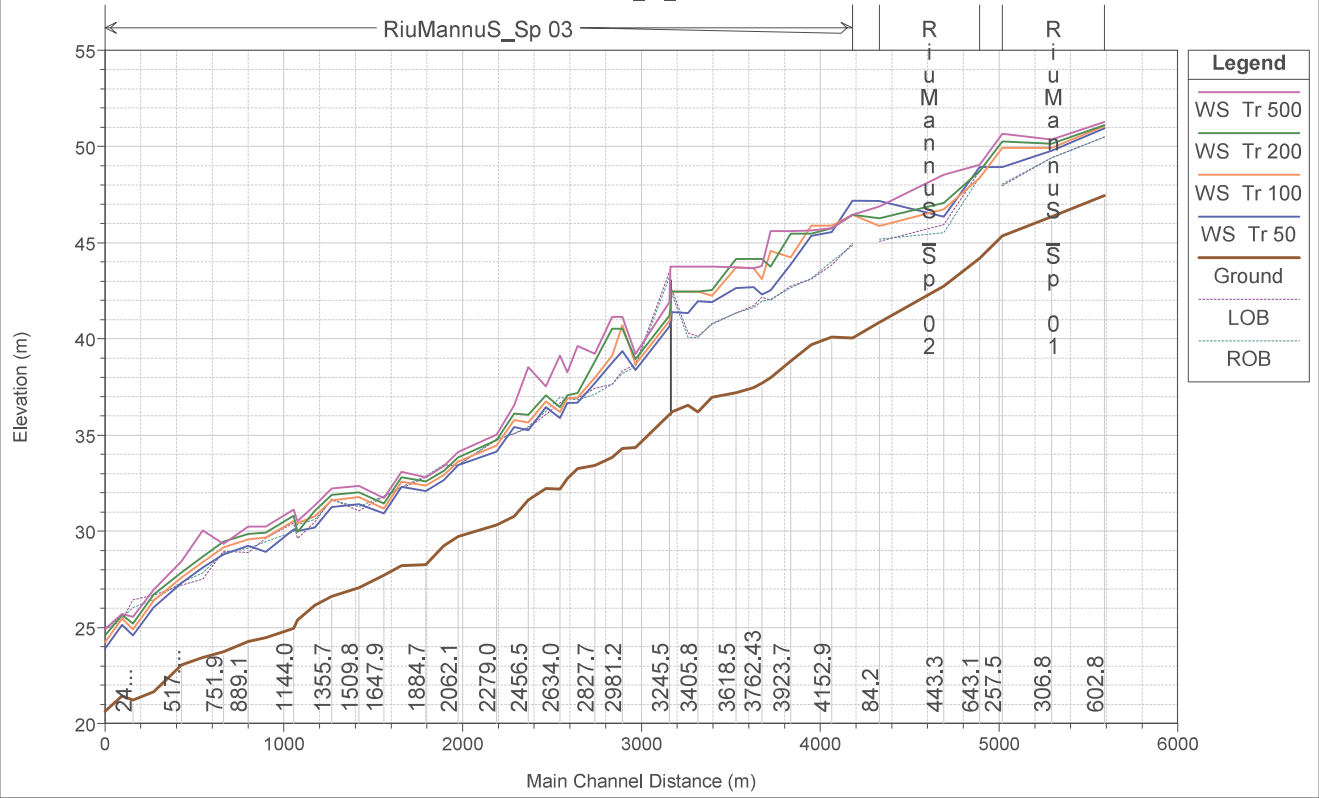
SANSPERATE Plan: 2017_09_22SoloMannu
 Geom: 2017_09_22SoloMannu



SANSPERATE Plan: 2017_09_22SoloMannu
Geom: 2017_09_22SoloMannu



SANSPERATE Plan: 2017_09_22SoloMannu
 Geom: 2017_09_22SoloMannu



HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /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 ²)	Top Width (m)	Froude # Chl
EnteBonifica7	EnteBonifica7	306.22	Tr 100	26.00	47.03	48.95	48.63	49.17	0.002280	2.05	12.94	20.10	0.67
EnteBonifica7	EnteBonifica7	306.22	Tr 200	30.00	47.03	48.76	48.76	49.20	0.005278	2.93	10.25	11.82	1.00
EnteBonifica7	EnteBonifica7	306.22	Tr 500	35.00	47.03	48.89	48.89	49.33	0.005095	2.94	11.98	15.16	0.99
EnteBonifica7	EnteBonifica7	281.70	Tr 50	23.00	47.25	48.58	48.58	48.97	0.005400	2.77	8.30	10.59	1.00
EnteBonifica7	EnteBonifica7	281.70	Tr 100	26.00	47.25	48.66	48.66	49.07	0.005327	2.83	9.20	11.27	1.00
EnteBonifica7	EnteBonifica7	281.70	Tr 200	30.00	47.25	48.77	48.77	48.77	0.000000	0.00	4581.82	1042.67	0.00
EnteBonifica7	EnteBonifica7	281.70	Tr 500	35.00	47.25	48.77	48.77	48.77	0.000000	0.00	4581.81	1042.67	0.00
EnteBonifica7	EnteBonifica7	232.50	Tr 50	23.00	46.31	48.11	47.68	48.29	0.001580	1.89	12.59	15.05	0.56
EnteBonifica7	EnteBonifica7	232.50	Tr 100	26.00	46.31	47.77	47.77	48.22	0.005229	3.00	8.67	9.39	1.00
EnteBonifica7	EnteBonifica7	232.50	Tr 200	30.00	46.31	47.87	47.87	48.36	0.005179	3.11	9.63	9.81	1.00
EnteBonifica7	EnteBonifica7	232.50	Tr 500	35.00	46.31	48.00	48.00	48.52	0.004892	3.19	11.10	12.20	0.98
EnteBonifica7	EnteBonifica7	183.3	Tr 50	23.00	46.29	47.64	47.64	48.07	0.005329	2.90	7.93	9.80	1.00
EnteBonifica7	EnteBonifica7	183.3	Tr 100	26.00	46.29	47.94	47.94	47.94	0.000000	0.01	3427.02	989.88	0.00
EnteBonifica7	EnteBonifica7	183.3	Tr 200	30.00	46.29	47.94	47.94	47.94	0.000000	0.01	3427.01	989.88	0.00
EnteBonifica7	EnteBonifica7	183.3	Tr 500	35.00	46.29	47.94	47.94	47.94	0.000000	0.01	3427.00	989.87	0.00

HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
EnteBonifica7	EnteBonifica7	1119.37	Tr 500	35.00	49.39	49.38		49.38	0.000000		4782.13	1183.35	0.00
EnteBonifica7	EnteBonifica7	1005.2	Tr 50	23.00	49.03	49.11		49.11	0.000000	0.00	4927.76	1213.83	0.00
EnteBonifica7	EnteBonifica7	1005.2	Tr 100	26.00	49.03	49.19		49.19	0.000000	0.00	5020.80	1221.34	0.00
EnteBonifica7	EnteBonifica7	1005.2	Tr 200	30.00	49.03	49.25		49.25	0.000000	0.00	5091.17	1226.99	0.00
EnteBonifica7	EnteBonifica7	1005.2	Tr 500	35.00	49.03	49.38		49.38	0.000000	0.00	5256.24	1240.16	0.00
EnteBonifica7	EnteBonifica7	872.1	Tr 50	23.00	48.94	49.11		49.11	0.000000	0.00	6256.05	1285.77	0.00
EnteBonifica7	EnteBonifica7	872.1	Tr 100	26.00	48.94	49.19		49.19	0.000000	0.00	6354.44	1288.97	0.00
EnteBonifica7	EnteBonifica7	872.1	Tr 200	30.00	48.94	49.25		49.25	0.000000	0.00	6428.60	1291.30	0.00
EnteBonifica7	EnteBonifica7	872.1	Tr 500	35.00	48.94	49.38		49.38	0.000000	0.00	6601.76	1296.71	0.00
EnteBonifica7	EnteBonifica7	724.50	Tr 50	23.00	48.13	49.11		49.11	0.000000	0.00	5586.36	1222.04	0.00
EnteBonifica7	EnteBonifica7	724.50	Tr 100	26.00	48.13	49.19		49.19	0.000000	0.00	5679.83	1224.28	0.00
EnteBonifica7	EnteBonifica7	724.50	Tr 200	30.00	48.13	49.25		49.25	0.000000	0.00	5750.25	1226.24	0.00
EnteBonifica7	EnteBonifica7	724.50	Tr 500	35.00	48.13	49.38		49.38	0.000000	0.00	5915.39	1238.82	0.00
EnteBonifica7	EnteBonifica7	626.1	Tr 50	23.00	47.93	49.11		49.11	0.000000	0.00	5438.46	1192.73	0.00
EnteBonifica7	EnteBonifica7	626.1	Tr 100	26.00	47.93	49.19		49.19	0.000000	0.00	5530.05	1208.89	0.00
EnteBonifica7	EnteBonifica7	626.1	Tr 200	30.00	47.93	49.25		49.25	0.000000	0.00	5599.80	1215.88	0.00
EnteBonifica7	EnteBonifica7	626.1	Tr 500	35.00	47.93	49.38		49.38	0.000000	0.00	5763.20	1224.44	0.00
EnteBonifica7	EnteBonifica7	527.70	Tr 50	23.00	48.02	49.11		49.11	0.000000	0.00	5114.12	1160.56	0.00
EnteBonifica7	EnteBonifica7	527.70	Tr 100	26.00	48.02	49.19		49.19	0.000000	0.00	5202.88	1163.96	0.00
EnteBonifica7	EnteBonifica7	527.70	Tr 200	30.00	48.02	49.25		49.25	0.000000	0.00	5269.97	1168.67	0.00
EnteBonifica7	EnteBonifica7	527.70	Tr 500	35.00	48.02	49.38		49.38	0.000000	0.00	5426.55	1172.12	0.00
EnteBonifica7	EnteBonifica7	414.1	Tr 50	23.00	47.42	49.11	48.73	49.11	0.000000	0.00	5348.23	1148.71	0.00
EnteBonifica7	EnteBonifica7	414.1	Tr 100	26.00	47.42	49.19	48.89	49.19	0.000000	0.00	5436.49	1157.54	0.00
EnteBonifica7	EnteBonifica7	414.1	Tr 200	30.00	47.42	49.25	48.89	49.25	0.000000	0.00	5503.11	1166.37	0.00
EnteBonifica7	EnteBonifica7	414.1	Tr 500	35.00	47.42	49.38	48.89	49.38	0.000000	0.00	5659.87	1177.01	0.00
EnteBonifica7	EnteBonifica7	325.83	Tr 50	23.00	47.46	49.11	48.66	49.11	0.000000	0.00	5063.73	1084.28	0.00
EnteBonifica7	EnteBonifica7	325.83	Tr 100	26.00	47.46	49.19	48.75	49.19	0.000000	0.00	5146.60	1084.69	0.00
EnteBonifica7	EnteBonifica7	325.83	Tr 200	30.00	47.46	49.25	48.86	49.25	0.000000	0.00	5209.16	1092.79	0.00
EnteBonifica7	EnteBonifica7	325.83	Tr 500	35.00	47.46	49.38	48.91	49.38	0.000000	0.00	5356.73	1118.43	0.00
EnteBonifica7	EnteBonifica7	315		Bridge									
EnteBonifica7	EnteBonifica7	306.22	Tr 50	23.00	47.03	48.87	48.55	49.07	0.002403	1.98	11.63	14.28	0.68

HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuMannuS_Sp	03	185.9	Tr 500	1634.00	21.43	25.70	26.14	27.81	0.005172	6.43	255.46	97.24	1.23
RiuMannuS_Sp	03	88.5	Tr 50	959.00	20.62	23.90	24.34	25.73	0.006603	6.00	159.87	76.29	1.32
RiuMannuS_Sp	03	88.5	Tr 100	1163.00	20.62	24.24	24.74	26.23	0.005997	6.25	186.12	77.57	1.29
RiuMannuS_Sp	03	88.5	Tr 200	1366.00	20.62	24.58	25.08	26.68	0.005484	6.41	212.98	79.72	1.25
RiuMannuS_Sp	03	88.5	Tr 500	1634.00	20.62	24.93	25.48	27.26	0.005761	6.76	241.86	87.05	1.29
GoraTrumulonis	GoraTrumulonis	797.2	Tr 50	6.19	59.60	60.26	60.26	60.34	0.005144	1.43	7.12	48.25	0.84
GoraTrumulonis	GoraTrumulonis	797.2	Tr 100	7.02	59.60	60.28	60.27	60.35	0.005160	1.48	7.87	49.30	0.85
GoraTrumulonis	GoraTrumulonis	797.2	Tr 200	7.85	59.60	60.29	60.29	60.37	0.005485	1.56	8.40	50.75	0.88
GoraTrumulonis	GoraTrumulonis	797.2	Tr 500	8.98	59.60	60.31	60.31	60.40	0.005100	1.58	9.83	55.72	0.86
GoraTrumulonis	GoraTrumulonis	517.9	Tr 50	6.19	57.21	57.97	58.08	58.31	0.010596	2.61	2.49	8.26	1.26
GoraTrumulonis	GoraTrumulonis	517.9	Tr 100	7.02	57.21	58.02	58.13	58.35	0.009633	2.58	2.98	9.75	1.21
GoraTrumulonis	GoraTrumulonis	517.9	Tr 200	7.85	57.21	58.07	58.20	58.39	0.008995	2.57	3.47	10.99	1.18
GoraTrumulonis	GoraTrumulonis	517.9	Tr 500	8.98	57.21	58.10	58.22	58.46	0.009681	2.71	3.83	11.93	1.23
GoraTrumulonis	GoraTrumulonis	378.25	Tr 50	6.19	55.24	55.99	56.15	56.53	0.015283	3.27	1.90	3.92	1.50
GoraTrumulonis	GoraTrumulonis	378.25	Tr 100	7.02	55.24	56.02	56.21	56.63	0.015914	3.43	2.05	4.03	1.54
GoraTrumulonis	GoraTrumulonis	378.25	Tr 200	7.85	55.24	56.06	56.27	56.71	0.016190	3.56	2.20	4.15	1.56
GoraTrumulonis	GoraTrumulonis	378.25	Tr 500	8.98	55.24	56.14	56.33	56.78	0.014628	3.56	2.52	4.38	1.50
GoraTrumulonis	GoraTrumulonis	331.7	Tr 50	6.19	49.40	50.12	50.37	50.86	0.022962	3.79	1.63	3.66	1.81
GoraTrumulonis	GoraTrumulonis	331.7	Tr 100	7.02	49.40	50.17	50.43	50.93	0.022051	3.86	1.82	3.85	1.79
GoraTrumulonis	GoraTrumulonis	331.7	Tr 200	7.85	49.40	50.22	50.48	51.01	0.021679	3.95	1.99	4.01	1.79
GoraTrumulonis	GoraTrumulonis	331.7	Tr 500	8.98	49.40	50.25	50.55	51.16	0.023721	4.23	2.12	4.13	1.88
EnteBonifica7	EnteBonifica7	1515.0	Tr 50	23.00	50.34	49.11	42.84	49.11	0.000000		2812.38	881.75	0.00
EnteBonifica7	EnteBonifica7	1515.0	Tr 100	26.00	50.34	49.19	42.87	49.19	0.000000		2880.34	895.41	0.00
EnteBonifica7	EnteBonifica7	1515.0	Tr 200	30.00	50.34	49.25	42.90	49.25	0.000000		2932.09	904.62	0.00
EnteBonifica7	EnteBonifica7	1515.0	Tr 500	35.00	50.34	49.38	42.93	49.38	0.000000		3055.94	943.93	0.00
EnteBonifica7	EnteBonifica7	1317.19	Tr 50	23.00	50.08	49.11		49.11	0.000000		3311.32	1000.17	0.00
EnteBonifica7	EnteBonifica7	1317.19	Tr 100	26.00	50.08	49.19		49.19	0.000000		3387.87	1005.07	0.00
EnteBonifica7	EnteBonifica7	1317.19	Tr 200	30.00	50.08	49.25		49.25	0.000000		3445.85	1012.27	0.00
EnteBonifica7	EnteBonifica7	1317.19	Tr 500	35.00	50.08	49.38		49.38	0.000000		3583.56	1035.91	0.00
EnteBonifica7	EnteBonifica7	1119.37	Tr 50	23.00	49.39	49.11		49.11	0.000000		4470.14	1152.92	0.00
EnteBonifica7	EnteBonifica7	1119.37	Tr 100	26.00	49.39	49.19		49.19	0.000000		4558.49	1160.61	0.00
EnteBonifica7	EnteBonifica7	1119.37	Tr 200	30.00	49.39	49.25		49.25	0.000000		4625.35	1164.48	0.00

HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

River	Reach	River Sta	Profile	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
RiuMannuS_Sp	03	1144.0	Tr 500	1634.00	24.95	31.13	30.55	32.00	0.001797	4.13	397.25	127.84	0.74
RiuMannuS_Sp	03	987.1	Tr 50	959.00	24.48	28.93	28.90	30.26	0.003401	5.10	187.99	68.43	0.98
RiuMannuS_Sp	03	987.1	Tr 100	1163.00	24.48	29.67	29.67	30.76	0.003715	4.61	252.59	119.74	1.00
RiuMannuS_Sp	03	987.1	Tr 200	1366.00	24.48	29.93	29.93	31.12	0.003542	4.85	283.95	125.18	0.99
RiuMannuS_Sp	03	987.1	Tr 500	1634.00	24.48	30.25	30.25	31.58	0.003347	5.12	324.64	128.57	0.98
RiuMannuS_Sp	03	889.1	Tr 50	959.00	24.25	29.26	28.10	29.81	0.001522	3.27	293.72	119.65	0.66
RiuMannuS_Sp	03	889.1	Tr 100	1163.00	24.25	29.58	28.47	30.21	0.001511	3.52	332.49	124.66	0.67
RiuMannuS_Sp	03	889.1	Tr 200	1366.00	24.25	29.87	29.15	30.58	0.001504	3.75	368.97	126.31	0.67
RiuMannuS_Sp	03	889.1	Tr 500	1634.00	24.25	30.23	29.47	31.04	0.001493	4.01	414.62	128.15	0.68
RiuMannuS_Sp	03	751.9	Tr 50	959.00	23.74	28.81	28.35	29.53	0.002380	3.75	255.48	114.16	0.80
RiuMannuS_Sp	03	751.9	Tr 100	1163.00	23.74	29.15	28.76	29.94	0.002250	3.95	294.62	119.04	0.79
RiuMannuS_Sp	03	751.9	Tr 200	1366.00	23.74	29.45	29.04	30.32	0.002116	4.14	331.38	120.85	0.79
RiuMannuS_Sp	03	751.9	Tr 500	1634.00	23.74	29.35	29.35	30.69	0.003448	5.14	318.39	120.32	1.00
RiuMannuS_Sp	03	634.3	Tr 50	959.00	23.44	28.12	28.12	29.15	0.003705	4.51	213.95	106.67	0.99
RiuMannuS_Sp	03	634.3	Tr 100	1163.00	23.44	28.41	28.41	29.58	0.003509	4.79	245.93	110.15	0.99
RiuMannuS_Sp	03	634.3	Tr 200	1366.00	23.44	28.69	28.69	29.97	0.003359	5.04	276.46	112.14	0.98
RiuMannuS_Sp	03	634.3	Tr 500	1634.00	23.44	30.04	29.02	30.17	0.000344	2.12	1611.79	1075.07	0.34
RiuMannuS_Sp	03	517.3	Tr 50	959.00	23.06	27.33	27.52	28.62	0.005161	5.03	190.49	97.70	1.15
RiuMannuS_Sp	03	517.3	Tr 100	1163.00	23.06	27.59	27.82	29.07	0.004990	5.38	216.60	100.52	1.15
RiuMannuS_Sp	03	517.3	Tr 200	1366.00	23.06	27.85	28.10	29.48	0.004749	5.65	243.04	103.18	1.15
RiuMannuS_Sp	03	517.3	Tr 500	1634.00	23.06	28.45	28.45	29.94	0.003264	5.42	306.35	106.99	0.99
RiuMannuS_Sp	03	361.4	Tr 50	959.00	21.65	26.05	26.45	27.73	0.005833	5.73	167.26	77.34	1.25
RiuMannuS_Sp	03	361.4	Tr 100	1163.00	21.65	26.39	26.83	28.20	0.005758	5.95	195.41	84.63	1.25
RiuMannuS_Sp	03	361.4	Tr 200	1366.00	21.65	26.70	27.13	28.63	0.005755	6.16	222.13	97.47	1.26
RiuMannuS_Sp	03	361.4	Tr 500	1634.00	21.65	26.97	27.50	29.20	0.005801	6.63	248.54	100.18	1.29
RiuMannuS_Sp	03	244.4	Tr 50	959.00	21.23	24.58	25.24	26.83	0.009053	6.64	144.39	74.69	1.53
RiuMannuS_Sp	03	244.4	Tr 100	1163.00	21.23	24.90	25.65	27.34	0.008269	6.92	168.16	76.38	1.49
RiuMannuS_Sp	03	244.4	Tr 200	1366.00	21.23	25.20	26.05	27.80	0.007637	7.14	191.35	78.00	1.46
RiuMannuS_Sp	03	244.4	Tr 500	1634.00	21.23	25.54	26.41	28.39	0.007287	7.47	218.80	80.43	1.45
RiuMannuS_Sp	03	185.9	Tr 50	959.00	21.43	25.13	25.13	26.27	0.003668	4.73	202.55	88.52	1.00
RiuMannuS_Sp	03	185.9	Tr 100	1163.00	21.43	25.47	25.47	26.74	0.003505	5.00	232.87	95.49	1.00
RiuMannuS_Sp	03	185.9	Tr 200	1366.00	21.43	25.64	25.77	27.16	0.003885	5.50	249.66	96.79	1.06

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River	Reach	River Sta	Profile	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
RiuMannuS_Sp	03	1983.2	Tr 500	1634.00	29.25	33.39	34.05	35.84	0.007530	6.94	235.58	100.03	1.44
RiuMannuS_Sp	03	1884.7	Tr 50	959.00	28.27	32.10	32.53	33.66	0.006298	5.52	173.88	90.53	1.27
RiuMannuS_Sp	03	1884.7	Tr 100	1163.00	28.27	32.38	32.83	34.10	0.006897	5.81	200.33	103.50	1.33
RiuMannuS_Sp	03	1884.7	Tr 200	1366.00	28.27	32.59	33.08	34.51	0.007210	6.14	222.55	109.33	1.37
RiuMannuS_Sp	03	1884.7	Tr 500	1634.00	28.27	32.81	33.40	35.03	0.007466	6.60	247.70	112.13	1.42
RiuMannuS_Sp	03	1746.5	Tr 50	959.00	28.20	32.32	32.32	33.20	0.003975	4.15	231.03	131.96	1.00
RiuMannuS_Sp	03	1746.5	Tr 100	1163.00	28.20	32.57	32.57	33.56	0.003769	4.41	264.60	138.16	0.99
RiuMannuS_Sp	03	1746.5	Tr 200	1366.00	28.20	32.80	32.80	33.89	0.003605	4.64	296.89	140.96	0.99
RiuMannuS_Sp	03	1746.5	Tr 500	1634.00	28.20	33.08	33.08	34.31	0.003442	4.91	337.35	142.72	0.99
RiuMannuS_Sp	03	1647.9	Tr 50	959.00	27.73	30.91	31.40	32.57	0.008357	5.70	168.33	104.00	1.43
RiuMannuS_Sp	03	1647.9	Tr 100	1163.00	27.73	31.18	31.74	32.97	0.007517	5.92	196.42	105.71	1.39
RiuMannuS_Sp	03	1647.9	Tr 200	1366.00	27.73	31.45	31.97	33.32	0.007595	6.05	225.68	118.43	1.40
RiuMannuS_Sp	03	1647.9	Tr 500	1634.00	27.73	31.72	32.27	33.74	0.007859	6.30	259.51	131.72	1.43
RiuMannuS_Sp	03	1509.8	Tr 50	959.00	27.07	31.42	30.73	31.91	0.001712	3.11	308.83	146.81	0.68
RiuMannuS_Sp	03	1509.8	Tr 100	1163.00	27.07	31.77	31.14	32.30	0.001510	3.23	361.65	151.75	0.65
RiuMannuS_Sp	03	1509.8	Tr 200	1366.00	27.07	32.04	31.37	32.63	0.001478	3.42	402.86	155.50	0.66
RiuMannuS_Sp	03	1509.8	Tr 500	1634.00	27.07	32.37	31.64	33.04	0.001449	3.65	454.34	158.29	0.66
RiuMannuS_Sp	03	1355.7	Tr 50	959.00	26.62	31.25	29.97	31.67	0.001177	2.86	335.43	133.73	0.58
RiuMannuS_Sp	03	1355.7	Tr 100	1163.00	26.62	31.60	30.30	32.07	0.001306	3.01	385.82	153.79	0.61
RiuMannuS_Sp	03	1355.7	Tr 200	1366.00	26.62	31.88	30.62	32.40	0.001302	3.18	429.86	159.45	0.62
RiuMannuS_Sp	03	1355.7	Tr 500	1634.00	26.62	32.23	31.21	32.81	0.001251	3.37	485.27	161.40	0.62
RiuMannuS_Sp	03	1259.5	Tr 50	959.00	26.15	30.20	30.20	31.41	0.003615	4.87	196.89	81.38	1.00
RiuMannuS_Sp	03	1259.5	Tr 100	1163.00	26.15	30.79	30.79	31.81	0.003779	4.48	260.23	130.00	1.00
RiuMannuS_Sp	03	1259.5	Tr 200	1366.00	26.15	31.06	31.06	32.14	0.003652	4.62	297.54	141.57	0.99
RiuMannuS_Sp	03	1259.5	Tr 500	1634.00	26.15	31.34	31.34	32.55	0.003490	4.89	337.76	144.07	0.99
RiuMannuS_Sp	03	1163.2	Tr 50	959.00	25.38	30.01	29.50	30.84	0.001947	4.04	237.77	82.58	0.76
RiuMannuS_Sp	03	1163.2	Tr 100	1163.00	25.38	30.42	29.84	31.30	0.002870	4.16	280.13	126.03	0.88
RiuMannuS_Sp	03	1163.2	Tr 200	1366.00	25.38	29.97	30.48	31.70	0.004138	5.83	234.26	82.34	1.10
RiuMannuS_Sp	03	1163.2	Tr 500	1634.00	25.38	30.51	30.78	32.12	0.004960	5.62	291.76	127.37	1.17
RiuMannuS_Sp	03	1144.0	Tr 50	959.00	24.95	30.09	29.32	30.75	0.002217	3.59	267.25	121.30	0.77
RiuMannuS_Sp	03	1144.0	Tr 100	1163.00	24.95	30.52	29.97	31.19	0.001836	3.63	320.58	125.32	0.72
RiuMannuS_Sp	03	1144.0	Tr 200	1366.00	24.95	30.80	30.25	31.55	0.001811	3.86	355.10	126.56	0.73

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River	Reach	River Sta	Profile	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
RiuMannuS_Sp	03	2730.8	Tr 500	1634.00	33.25	39.63	38.30	39.63	0.000027	0.66	4364.46	1203.89	0.10
RiuMannuS_Sp	03	2672.7	Tr 50	959.00	32.74	36.67	37.05	38.20	0.005869	5.49	174.56	86.54	1.24
RiuMannuS_Sp	03	2672.7	Tr 100	1163.00	32.74	36.90	37.34	38.70	0.006610	5.94	195.89	94.66	1.32
RiuMannuS_Sp	03	2672.7	Tr 200	1366.00	32.74	37.07	37.62	39.19	0.007371	6.44	212.02	99.10	1.40
RiuMannuS_Sp	03	2672.7	Tr 500	1634.00	32.74	38.26	37.97	39.51	0.002408	4.94	334.55	105.48	0.86
RiuMannuS_Sp	03	2634.0	Tr 50	959.00	32.20	35.88	36.49	37.89	0.007906	6.29	152.54	77.02	1.43
RiuMannuS_Sp	03	2634.0	Tr 100	1163.00	32.20	36.20	36.84	38.39	0.007277	6.56	177.31	78.83	1.40
RiuMannuS_Sp	03	2634.0	Tr 200	1366.00	32.20	36.46	37.13	38.86	0.007816	6.87	198.92	87.14	1.45
RiuMannuS_Sp	03	2634.0	Tr 500	1634.00	32.20	39.13	37.50	39.13	0.000019	0.56	5485.72	1821.01	0.08
RiuMannuS_Sp	03	2555.1	Tr 50	959.00	32.21	36.46	36.46	37.57	0.003698	4.66	205.98	94.02	1.00
RiuMannuS_Sp	03	2555.1	Tr 100	1163.00	32.21	36.76	36.76	38.02	0.003538	4.97	235.02	95.63	1.00
RiuMannuS_Sp	03	2555.1	Tr 200	1366.00	32.21	37.05	37.05	38.45	0.003398	5.23	262.85	96.76	0.99
RiuMannuS_Sp	03	2555.1	Tr 500	1634.00	32.21	37.53	37.41	38.98	0.002897	5.35	308.88	98.60	0.94
RiuMannuS_Sp	03	2456.5	Tr 50	959.00	31.64	35.24	35.64	37.05	0.005761	5.95	161.28	70.35	1.25
RiuMannuS_Sp	03	2456.5	Tr 100	1163.00	31.64	35.66	36.02	37.55	0.004957	6.10	191.69	77.01	1.19
RiuMannuS_Sp	03	2456.5	Tr 200	1366.00	31.64	36.06	36.36	38.02	0.004273	6.21	223.00	79.54	1.13
RiuMannuS_Sp	03	2456.5	Tr 500	1634.00	31.64	38.53	36.78	38.54	0.000020	0.64	5543.76	1957.75	0.09
RiuMannuS_Sp	03	2377.6	Tr 50	959.00	30.78	35.42	35.42	36.72	0.003530	5.03	190.87	75.25	1.00
RiuMannuS_Sp	03	2377.6	Tr 100	1163.00	30.78	35.78	35.78	37.25	0.003364	5.36	218.21	76.73	0.99
RiuMannuS_Sp	03	2377.6	Tr 200	1366.00	30.78	36.12	36.12	37.74	0.003226	5.64	244.44	78.04	0.99
RiuMannuS_Sp	03	2377.6	Tr 500	1634.00	30.78	36.54	36.54	38.35	0.003081	5.97	277.58	79.54	0.99
RiuMannuS_Sp	03	2279.0	Tr 50	959.00	30.33	34.15	34.89	36.17	0.007052	6.29	153.63	74.46	1.37
RiuMannuS_Sp	03	2279.0	Tr 100	1163.00	30.33	34.46	35.28	36.71	0.006802	6.65	177.23	82.53	1.37
RiuMannuS_Sp	03	2279.0	Tr 200	1366.00	30.33	34.73	35.58	37.21	0.006731	6.99	201.62	103.89	1.38
RiuMannuS_Sp	03	2279.0	Tr 500	1634.00	30.33	35.01	35.92	37.82	0.006779	7.48	239.65	155.21	1.41
RiuMannuS_Sp	03	2062.1	Tr 50	959.00	29.73	33.45	33.59	34.76	0.004403	5.07	189.00	85.93	1.09
RiuMannuS_Sp	03	2062.1	Tr 100	1163.00	29.73	33.64	33.91	35.28	0.004943	5.67	205.15	87.81	1.17
RiuMannuS_Sp	03	2062.1	Tr 200	1366.00	29.73	33.83	34.22	35.77	0.005243	6.16	222.42	88.78	1.22
RiuMannuS_Sp	03	2062.1	Tr 500	1634.00	29.73	34.11	34.59	36.36	0.005303	6.64	247.67	90.18	1.25
RiuMannuS_Sp	03	1983.2	Tr 50	959.00	29.25	32.66	33.08	34.31	0.006453	5.69	168.46	85.66	1.30
RiuMannuS_Sp	03	1983.2	Tr 100	1163.00	29.25	32.92	33.43	34.81	0.006510	6.08	191.15	88.51	1.32
RiuMannuS_Sp	03	1983.2	Tr 200	1366.00	29.25	33.15	33.71	35.27	0.007035	6.46	211.62	95.09	1.38

HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

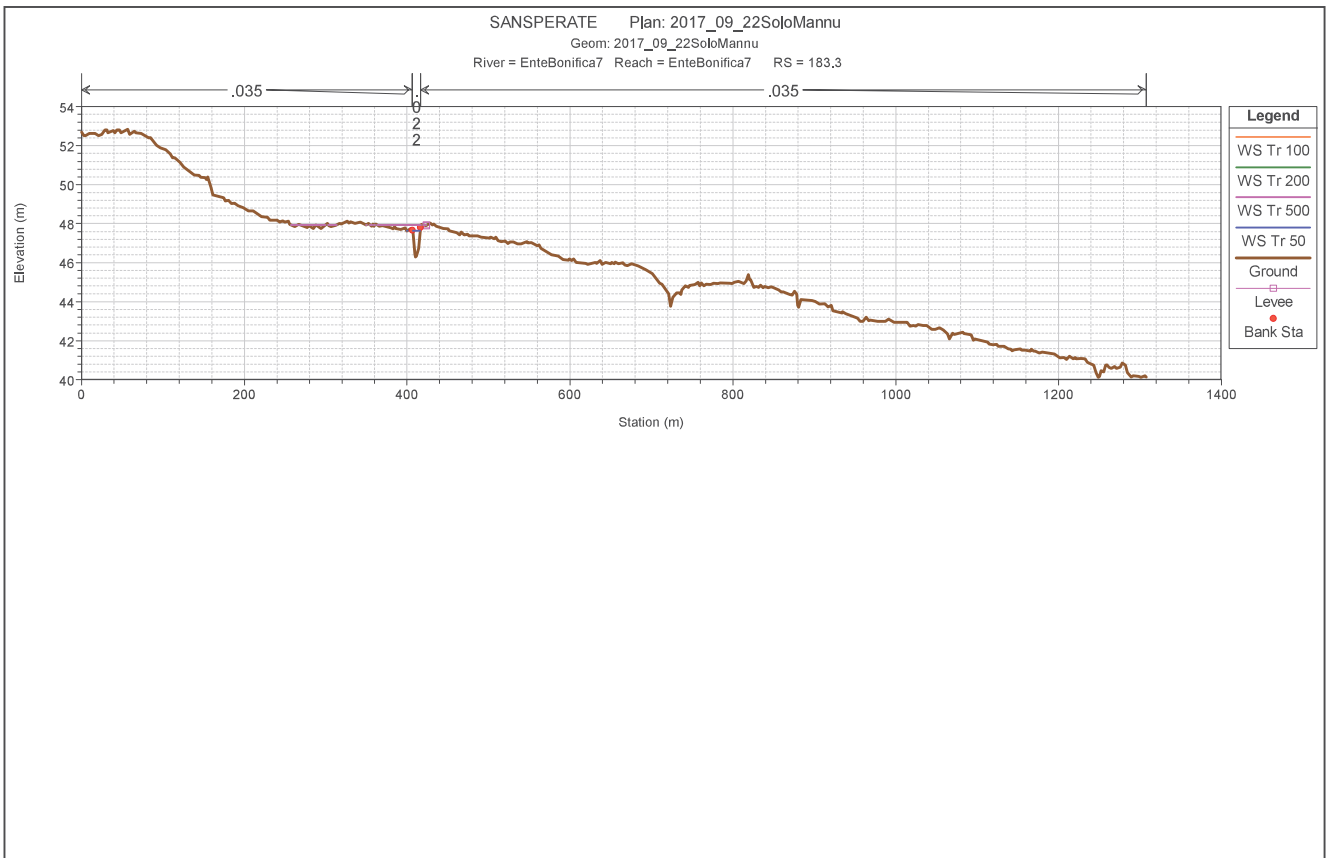
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
RiuMannuS_Sp	03	3348.48	Tr 50	959.00	36.55	41.35	41.25	42.50	0.002952	4.77	207.15	83.66	0.92
RiuMannuS_Sp	03	3348.48	Tr 100	1163.00	36.55	42.44	41.60	42.45	0.000009	0.33	5136.04	1233.98	0.05
RiuMannuS_Sp	03	3348.48	Tr 200	1366.00	36.55	42.44	41.92	42.45	0.000012	0.38	5136.34	1233.99	0.06
RiuMannuS_Sp	03	3348.48	Tr 500	1634.00	36.55	43.74	42.14	43.74	0.000005	0.30	8758.83	2044.59	0.04
RiuMannuS_Sp	03	3259.2	Tr 50	959.00	36.19	41.41	40.86	42.18	0.001891	3.89	246.67	87.93	0.74
RiuMannuS_Sp	03	3259.2	Tr 100	1163.00	36.19	42.44	41.20	42.45	0.000006	0.25	5813.28	1207.90	0.04
RiuMannuS_Sp	03	3259.2	Tr 200	1366.00	36.19	42.44	41.52	42.45	0.000008	0.30	5813.50	1207.91	0.05
RiuMannuS_Sp	03	3259.2	Tr 500	1634.00	36.19	43.74	41.91	43.74	0.000004	0.25	9719.79	2056.33	0.04
RiuMannuS_Sp	03	3252	Bridge										
RiuMannuS_Sp	03	3245.5	Tr 50	959.00	36.08	40.64	40.86	42.10	0.004881	5.35	179.24	80.40	1.14
RiuMannuS_Sp	03	3245.5	Tr 100	1163.00	36.08	40.93	41.21	42.60	0.004843	5.71	203.51	82.14	1.16
RiuMannuS_Sp	03	3245.5	Tr 200	1366.00	36.08	41.21	41.53	43.07	0.004791	6.03	226.59	83.64	1.17
RiuMannuS_Sp	03	3245.5	Tr 500	1634.00	36.08	41.92	41.92	43.58	0.003279	5.69	287.05	86.64	1.00
RiuMannuS_Sp	03	3056.7	Tr 50	959.00	34.35	38.38	39.13	40.78	0.009059	6.86	139.76	68.72	1.54
RiuMannuS_Sp	03	3056.7	Tr 100	1163.00	34.35	38.69	39.47	41.27	0.009279	7.12	163.47	77.91	1.57
RiuMannuS_Sp	03	3056.7	Tr 200	1366.00	34.35	38.95	39.78	41.76	0.008970	7.42	184.53	83.60	1.56
RiuMannuS_Sp	03	3056.7	Tr 500	1634.00	34.35	39.21	40.17	42.45	0.009202	7.97	206.54	87.79	1.61
RiuMannuS_Sp	03	2981.2	Tr 50	959.00	34.30	39.38	38.71	40.21	0.001587	4.07	243.48	80.89	0.70
RiuMannuS_Sp	03	2981.2	Tr 100	1163.00	34.30	40.71	39.10	40.72	0.000013	0.46	5122.00	1863.50	0.07
RiuMannuS_Sp	03	2981.2	Tr 200	1366.00	34.30	40.53	39.44	40.53	0.000026	0.63	3969.70	1198.13	0.09
RiuMannuS_Sp	03	2981.2	Tr 500	1634.00	34.30	41.13	39.88	41.14	0.000017	0.55	5913.53	1910.51	0.08
RiuMannuS_Sp	03	2924.6	Tr 50	959.00	33.85	38.76	38.76	40.05	0.003102	5.07	200.63	84.05	0.95
RiuMannuS_Sp	03	2924.6	Tr 100	1163.00	33.85	39.13	39.13	40.57	0.002990	5.39	231.92	85.56	0.95
RiuMannuS_Sp	03	2924.6	Tr 200	1366.00	33.85	40.53	39.47	40.53	0.000017	0.51	5261.87	1800.44	0.08
RiuMannuS_Sp	03	2924.6	Tr 500	1634.00	33.85	41.13	39.89	41.14	0.000013	0.49	6389.95	1906.86	0.07
RiuMannuS_Sp	03	2827.7	Tr 50	959.00	33.43	37.70	38.16	39.56	0.006947	6.04	159.16	79.74	1.35
RiuMannuS_Sp	03	2827.7	Tr 100	1163.00	33.43	37.98	38.50	40.09	0.006647	6.44	181.68	80.76	1.35
RiuMannuS_Sp	03	2827.7	Tr 200	1366.00	33.43	38.83	38.83	40.37	0.003225	5.52	251.50	83.66	0.99
RiuMannuS_Sp	03	2827.7	Tr 500	1634.00	33.43	39.22	39.22	40.96	0.003097	5.85	285.12	85.02	0.99
RiuMannuS_Sp	03	2730.8	Tr 50	959.00	33.25	36.70	37.29	38.78	0.008750	6.39	149.98	80.42	1.50
RiuMannuS_Sp	03	2730.8	Tr 100	1163.00	33.25	36.95	37.62	39.32	0.009037	6.82	170.56	85.34	1.54
RiuMannuS_Sp	03	2730.8	Tr 200	1366.00	33.25	37.19	37.92	39.79	0.008494	7.14	191.53	86.22	1.52

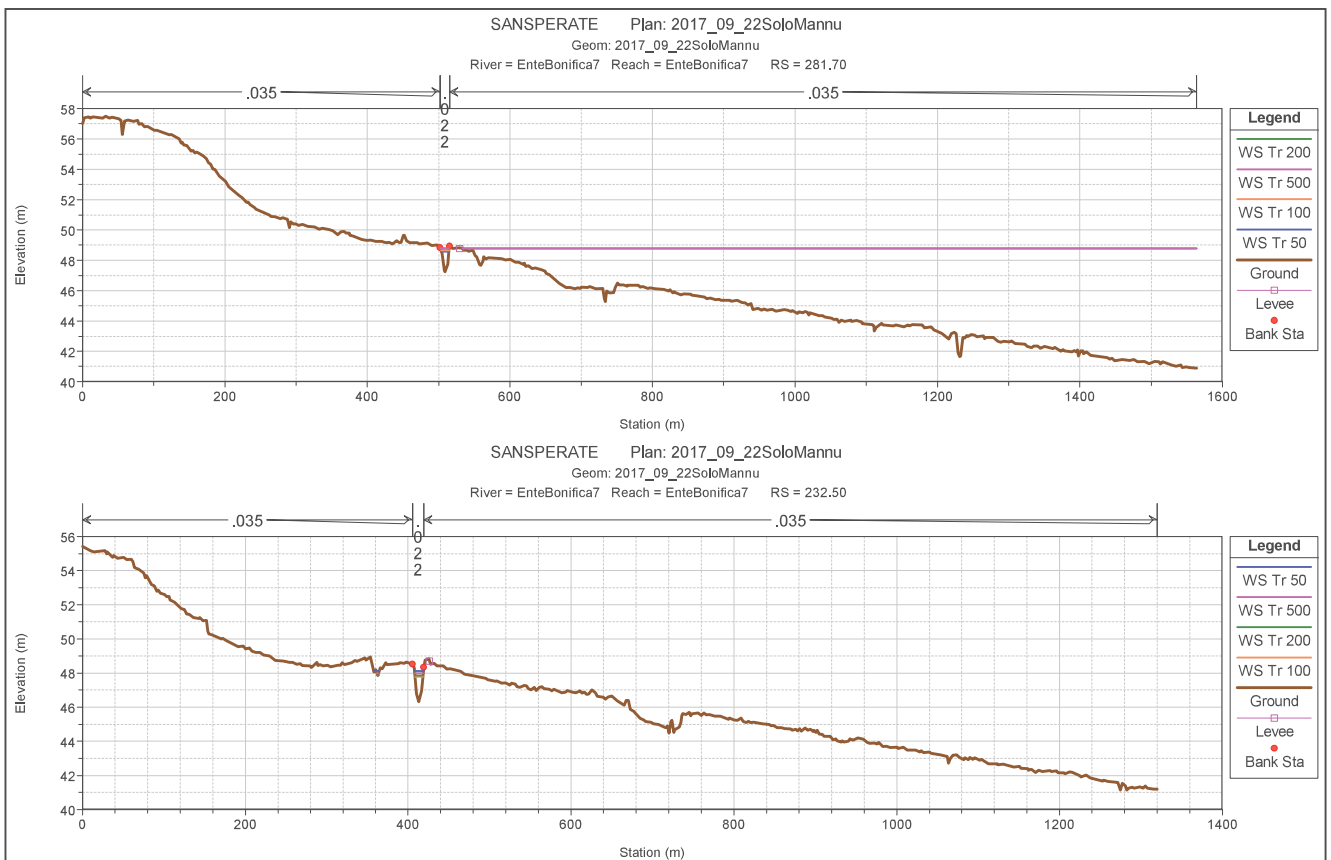
HEC-RAS Plan: 2017_09_22SoloMannu Locations: User Defined (Continued)

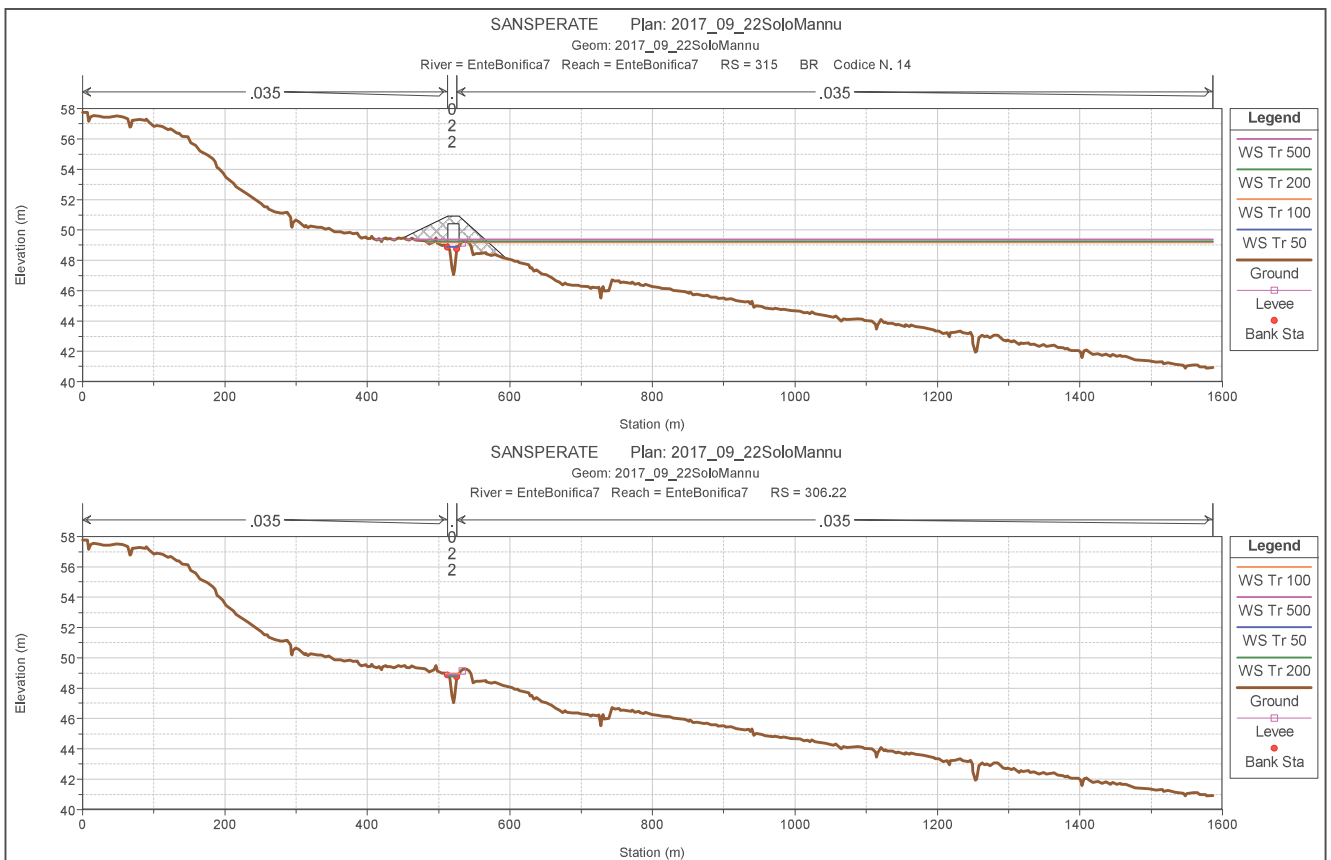
River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
RiuMannuS_Sp	03	4038.30	Tr 50	959.00	39.69	45.34	44.13	45.36	0.000067	0.92	2107.68	1057.84	0.15
RiuMannuS_Sp	03	4038.30	Tr 100	1163.00	39.69	45.90	44.50	45.91	0.000048	0.86	2704.61	1070.23	0.13
RiuMannuS_Sp	03	4038.30	Tr 200	1366.00	39.69	45.47	44.85	45.50	0.000114	1.23	2246.32	1070.23	0.19
RiuMannuS_Sp	03	4038.30	Tr 500	1634.00	39.69	45.63	45.25	45.66	0.000134	1.37	2410.52	1070.23	0.21
RiuMannuS_Sp	03	3923.7	Tr 50	959.00	38.85	43.88	43.88	45.20	0.003422	5.12	190.75	74.44	0.99
RiuMannuS_Sp	03	3923.7	Tr 100	1163.00	38.85	44.25	44.25	45.75	0.003265	5.44	218.87	76.06	0.99
RiuMannuS_Sp	03	3923.7	Tr 200	1366.00	38.85	45.46	44.95	45.49	0.000095	1.16	2448.08	1069.06	0.18
RiuMannuS_Sp	03	3923.7	Tr 500	1634.00	38.85	45.61	44.95	45.65	0.000112	1.29	2610.48	1069.06	0.19
RiuMannuS_Sp	03	3809.1	Tr 50	959.00	37.98	42.53	43.08	44.56	0.007859	6.31	152.58	79.18	1.43
RiuMannuS_Sp	03	3809.1	Tr 100	1163.00	37.98	44.57	43.43	44.59	0.000077	1.00	2462.21	1145.77	0.16
RiuMannuS_Sp	03	3809.1	Tr 200	1366.00	37.98	43.75	43.75	45.30	0.003212	5.54	252.07	84.36	0.99
RiuMannuS_Sp	03	3809.1	Tr 500	1634.00	37.98	45.62	44.14	45.63	0.000044	0.88	3662.14	1145.77	0.12
RiuMannuS_Sp	03	3762.43	Tr 50	959.00	37.71	42.32	42.79	44.15	0.007465	5.99	160.29	84.71	1.38
RiuMannuS_Sp	03	3762.43	Tr 100	1163.00	37.71	43.11	43.11	44.45	0.003446	5.13	229.02	88.14	0.99
RiuMannuS_Sp	03	3762.43	Tr 200	1366.00	37.71	44.15	43.42	44.17	0.000088	1.02	2732.63	1256.66	0.17
RiuMannuS_Sp	03	3762.43	Tr 500	1634.00	37.71	43.80	43.80	45.46	0.003174	5.72	290.89	91.28	0.99
RiuMannuS_Sp	03	3715.76	Tr 50	959.00	37.46	42.68	42.68	43.86	0.003559	4.82	202.06	88.69	0.99
RiuMannuS_Sp	03	3715.76	Tr 100	1163.00	37.46	43.67	43.01	43.72	0.000221	1.51	1565.22	889.37	0.26
RiuMannuS_Sp	03	3715.76	Tr 200	1366.00	37.46	44.15	43.32	44.17	0.000046	0.75	3490.63	1378.91	0.12
RiuMannuS_Sp	03	3715.76	Tr 500	1634.00	37.46	43.69	43.60	43.79	0.000424	2.10	1579.69	889.41	0.36
RiuMannuS_Sp	03	3618.5	Tr 50	959.00	37.20	42.65	42.23	43.48	0.002103	4.05	240.27	91.93	0.78
RiuMannuS_Sp	03	3618.5	Tr 100	1163.00	37.20	43.69	42.56	43.70	0.000035	0.65	3286.58	1224.47	0.11
RiuMannuS_Sp	03	3618.5	Tr 200	1366.00	37.20	44.15	42.86	44.16	0.000029	0.63	3848.63	1224.47	0.10
RiuMannuS_Sp	03	3618.5	Tr 500	1634.00	37.20	43.73	43.32	43.75	0.000066	0.89	3334.19	1224.47	0.15
RiuMannuS_Sp	03	3482.4	Tr 50	959.00	36.97	41.91	41.91	43.08	0.003576	4.79	202.27	88.78	0.99
RiuMannuS_Sp	03	3482.4	Tr 100	1163.00	36.97	42.24	42.24	43.56	0.003409	5.10	231.55	90.42	0.99
RiuMannuS_Sp	03	3482.4	Tr 200	1366.00	36.97	42.54	42.54	44.00	0.003290	5.37	259.08	91.93	0.99
RiuMannuS_Sp	03	3482.4	Tr 500	1634.00	36.97	43.74	42.89	43.74	0.000008	0.33	7597.74	2021.25	0.05
RiuMannuS_Sp	03	3405.8	Tr 50	959.00	36.20	41.95	41.15	42.65	0.001358	3.73	265.91	86.01	0.65
RiuMannuS_Sp	03	3405.8	Tr 100	1163.00	36.20	42.44	41.50	42.45	0.000011	0.37	4782.88	1236.28	0.06
RiuMannuS_Sp	03	3405.8	Tr 200	1366.00	36.20	42.44	41.82	42.45	0.000015	0.44	4783.30	1236.28	0.07
RiuMannuS_Sp	03	3405.8	Tr 500	1634.00	36.20	43.74	42.35	43.74	0.000006	0.34	8100.01	1960.06	0.05

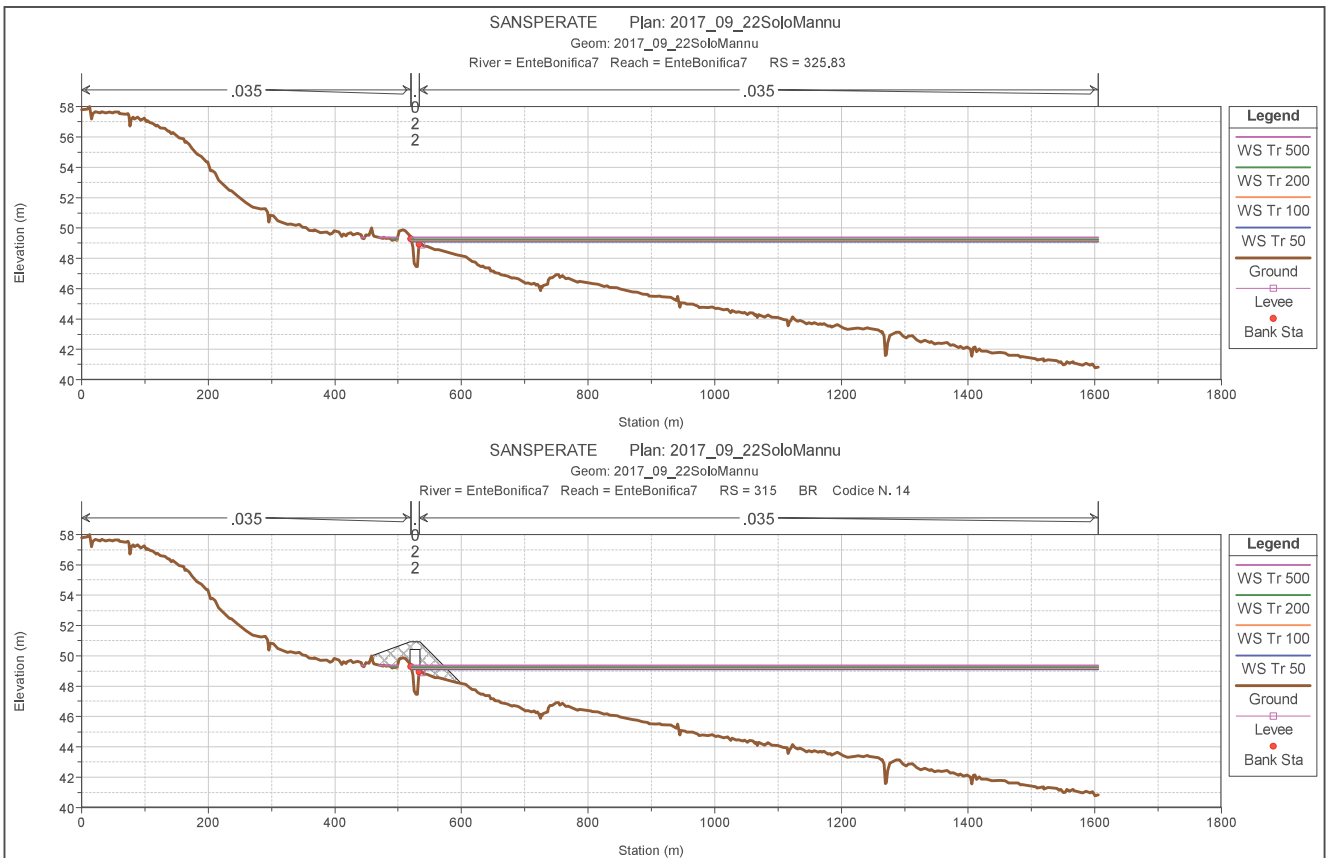
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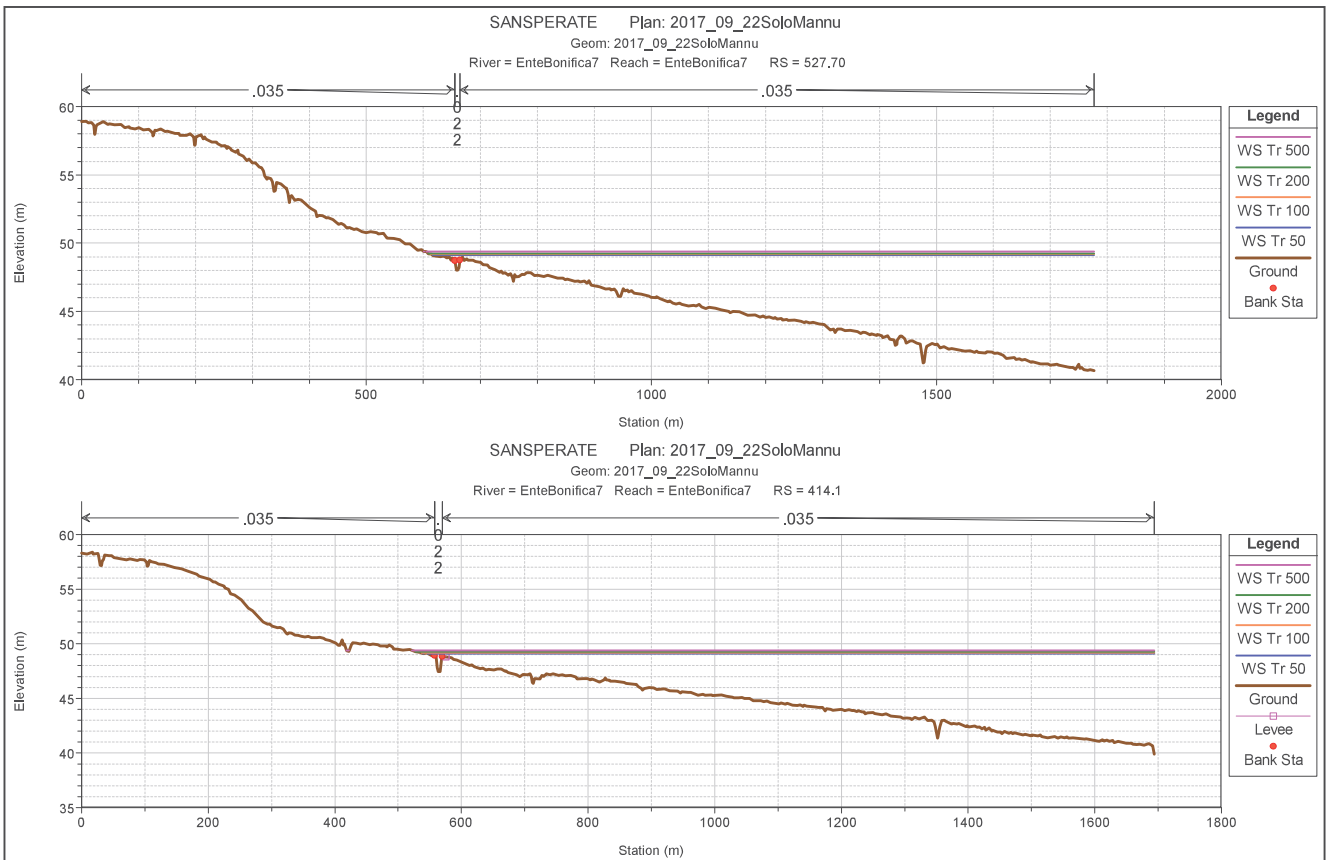
River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
RiuMannuS_Sp	01	602.8	Tr 50	959.00	47.44	50.94	50.73	51.22	0.003886	3.02	466.74	535.09	0.92
RiuMannuS_Sp	01	602.8	Tr 100	1163.00	47.44	51.07	50.85	51.38	0.003827	3.22	534.57	564.61	0.93
RiuMannuS_Sp	01	602.8	Tr 200	1366.00	47.44	51.12	51.03	51.51	0.004556	3.61	562.98	599.18	1.02
RiuMannuS_Sp	01	602.8	Tr 500	1634.00	47.44	51.28	51.15	51.68	0.004065	3.70	672.73	700.22	0.98
RiuMannuS_Sp	01	306.8	Tr 50	959.00	46.36	49.78	49.78	50.22	0.002922	3.55	445.57	487.37	0.86
RiuMannuS_Sp	01	306.8	Tr 100	1163.00	46.36	49.93	49.91	50.39	0.002876	3.73	520.73	500.19	0.86
RiuMannuS_Sp	01	306.8	Tr 200	1366.00	46.36	50.16		50.57	0.002323	3.61	638.64	542.43	0.79
RiuMannuS_Sp	01	306.8	Tr 500	1634.00	46.36	50.37		50.80	0.002267	3.79	751.55	554.92	0.79
RiuMannuS_Sp	01	257.5	Tr 50	959.00	45.35	48.92	48.96	49.51	0.002116	3.76	396.91	408.66	0.77
RiuMannuS_Sp	01	257.5	Tr 100	1163.00	45.35	49.94		50.12	0.000532	2.38	841.18	456.88	0.41
RiuMannuS_Sp	01	257.5	Tr 200	1366.00	45.35	50.27		50.44	0.000469	2.37	991.68	463.80	0.39
RiuMannuS_Sp	01	257.5	Tr 500	1634.00	45.35	50.67		50.84	0.000412	2.38	1178.43	470.08	0.37
RiuMannuS_Sp	02	643.1	Tr 50	959.00	44.20	48.93	48.93	49.73	0.004114	3.95	243.33	153.97	1.00
RiuMannuS_Sp	02	643.1	Tr 100	1163.00	44.20	48.36	49.15	50.77	0.012560	6.87	169.32	106.27	1.74
RiuMannuS_Sp	02	643.1	Tr 200	1366.00	44.20	48.71	49.36	50.87	0.011987	6.52	209.56	138.34	1.69
RiuMannuS_Sp	02	643.1	Tr 500	1634.00	44.20	49.04	49.61	51.05	0.009519	6.28	260.64	154.49	1.53
RiuMannuS_Sp	02	443.3	Tr 50	959.00	42.74	46.36	46.98	48.43	0.008998	6.38	152.81	89.18	1.51
RiuMannuS_Sp	02	443.3	Tr 100	1163.00	42.74	46.73	47.30	48.81	0.007162	6.43	185.58	91.80	1.39
RiuMannuS_Sp	02	443.3	Tr 200	1366.00	42.74	47.06	47.62	49.20	0.006117	6.53	218.34	101.49	1.31
RiuMannuS_Sp	02	443.3	Tr 500	1634.00	42.74	48.54	47.98	49.63	0.001737	4.74	383.73	121.88	0.76
RiuMannuS_Sp	02	84.2	Tr 50	959.00	40.86	47.17	45.40	47.19	0.000059	0.98	2107.06	888.32	0.14
RiuMannuS_Sp	02	84.2	Tr 100	1163.00	40.86	45.86	45.86	47.55	0.003077	5.76	204.38	68.85	0.98
RiuMannuS_Sp	02	84.2	Tr 200	1366.00	40.86	46.27	46.27	48.12	0.002913	6.03	233.58	73.97	0.97
RiuMannuS_Sp	02	84.2	Tr 500	1634.00	40.86	46.89	46.89	48.80	0.002518	6.18	285.27	94.78	0.92
RiuMannuS_Sp	03	4267.5	Tr 50	959.00	40.05	47.18	46.16	47.19	0.000030	0.66	2770.22	951.41	0.10
RiuMannuS_Sp	03	4267.5	Tr 100	1163.00	40.05	46.46	46.46	46.48	0.000102	1.10	2110.07	892.30	0.18
RiuMannuS_Sp	03	4267.5	Tr 200	1366.00	40.05	46.46	46.46	46.49	0.000141	1.29	2110.07	892.30	0.21
RiuMannuS_Sp	03	4267.5	Tr 500	1634.00	40.05	46.46	46.46	46.50	0.000201	1.55	2110.07	892.30	0.25
RiuMannuS_Sp	03	4152.9	Tr 50	959.00	40.09	45.56	45.56	47.03	0.002703	5.50	197.71	75.02	0.92
RiuMannuS_Sp	03	4152.9	Tr 100	1163.00	40.09	45.89	45.75	45.93	0.000182	1.51	1773.94	952.51	0.24
RiuMannuS_Sp	03	4152.9	Tr 200	1366.00	40.09	45.75	45.75	45.82	0.000319	1.95	1638.21	951.14	0.32
RiuMannuS_Sp	03	4152.9	Tr 500	1634.00	40.09	45.75	45.75	45.85	0.000456	2.33	1638.26	951.15	0.38

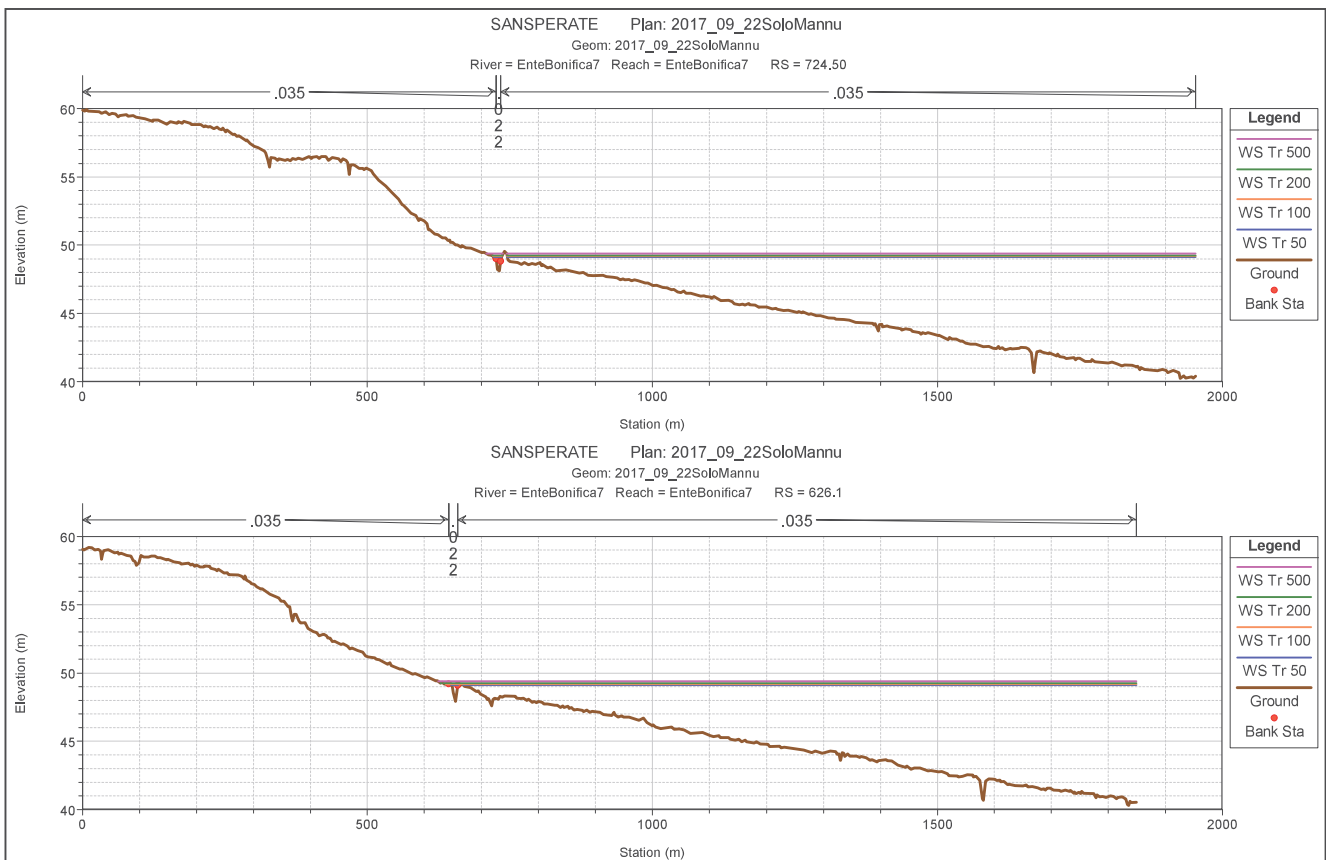


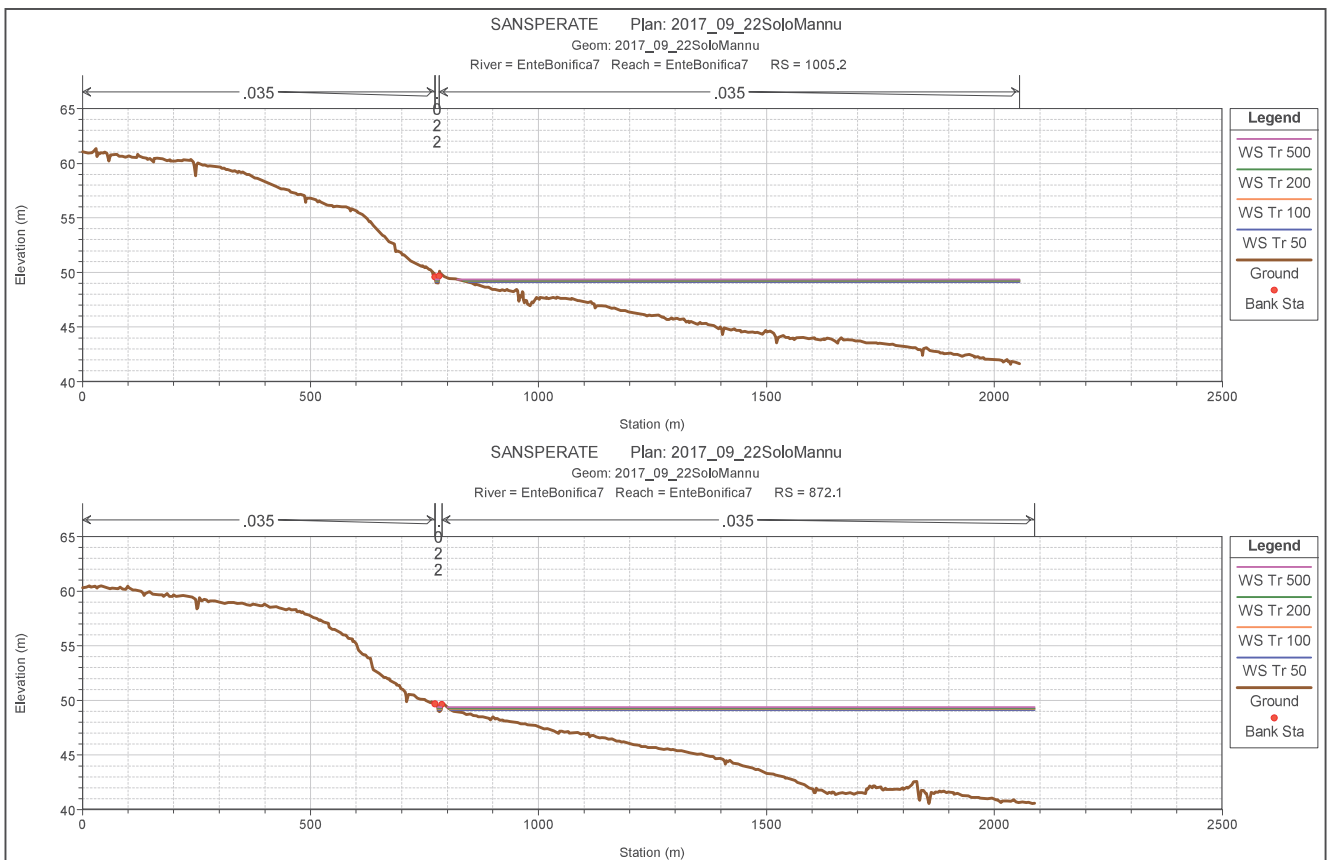


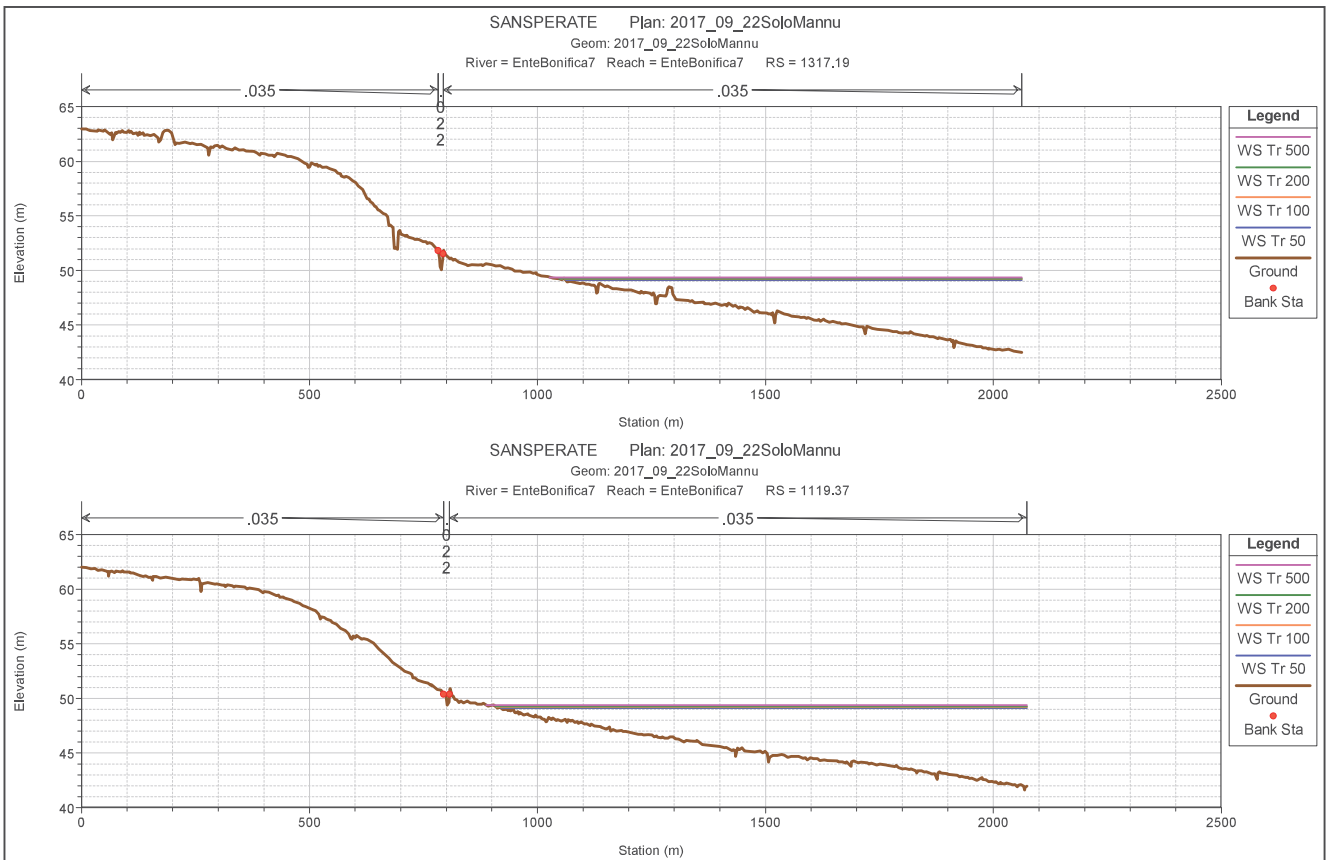


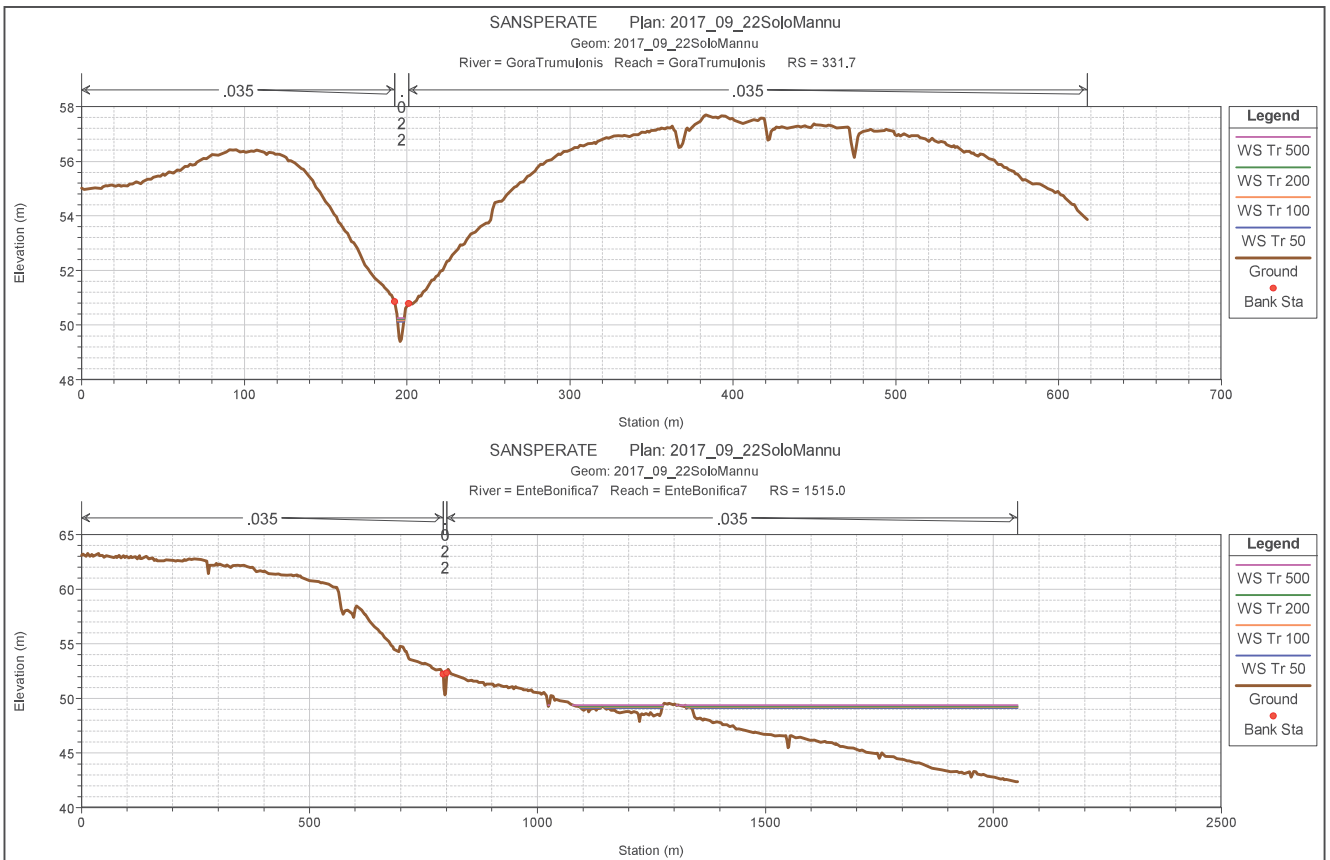


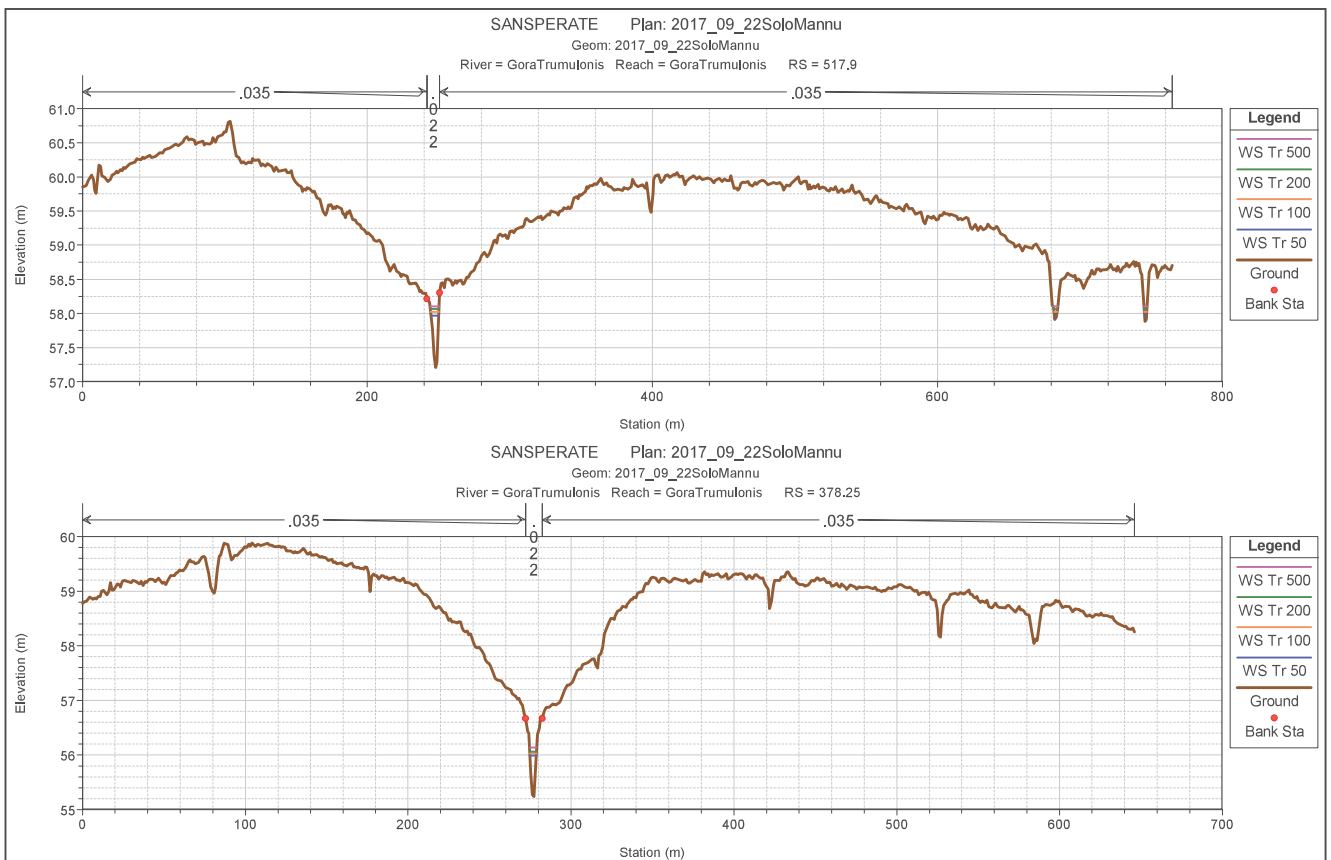


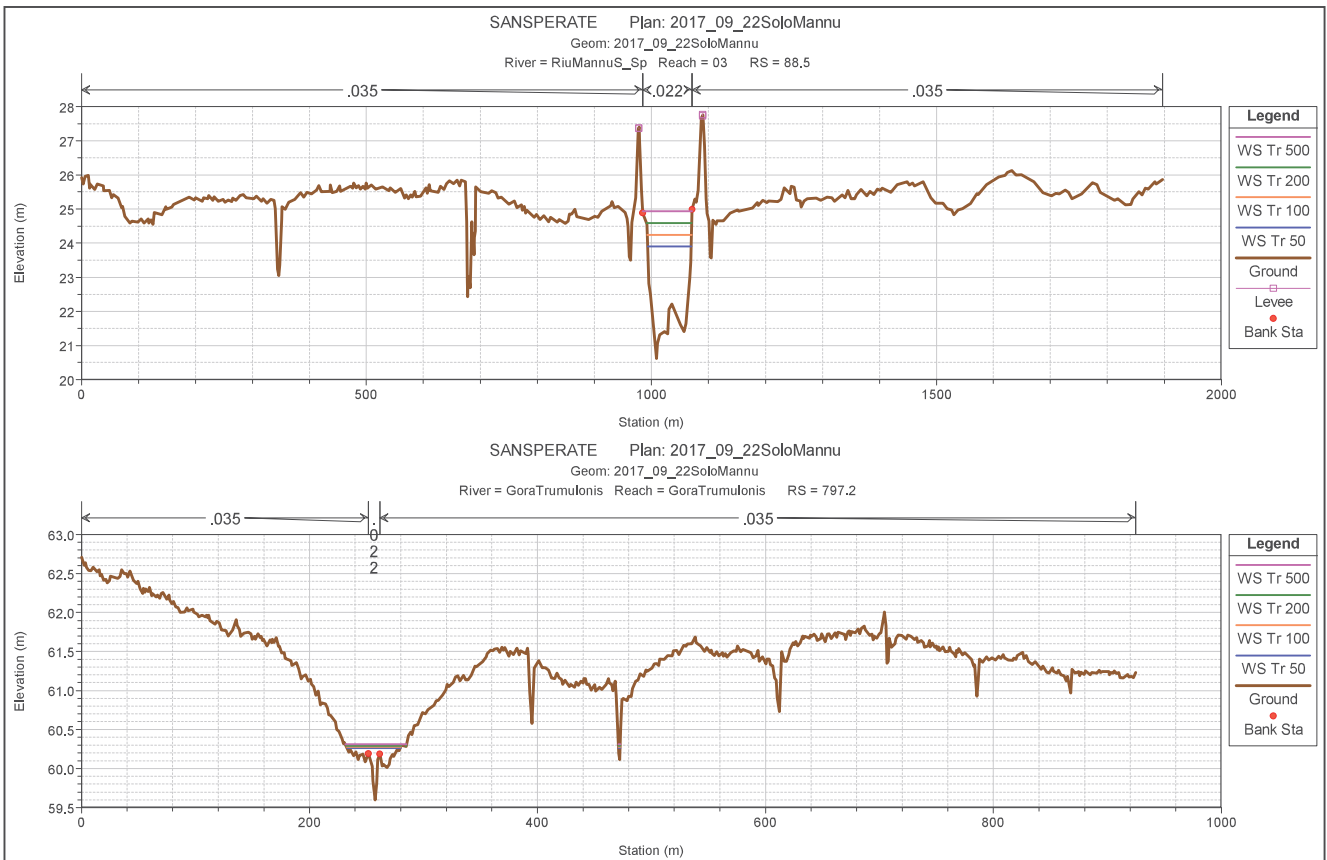


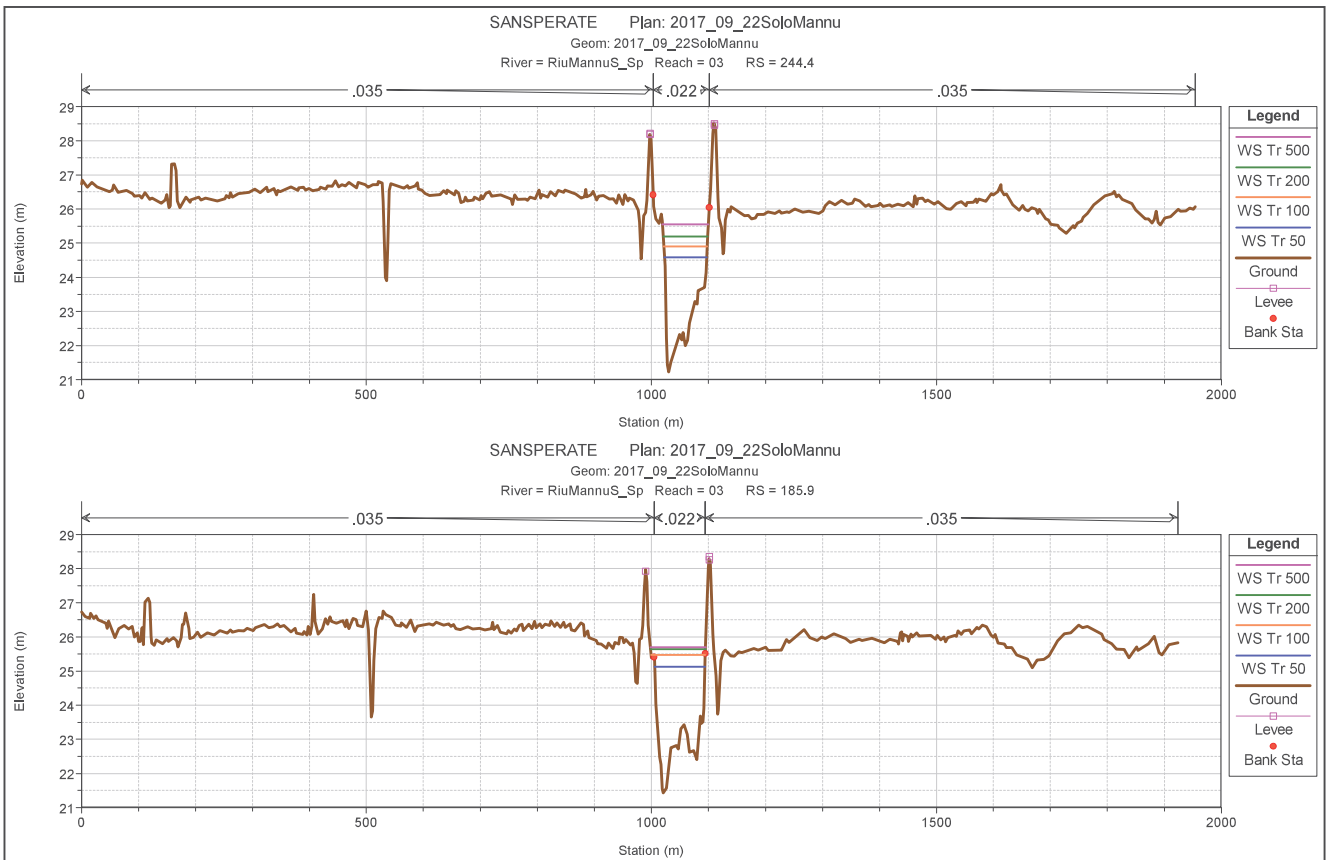


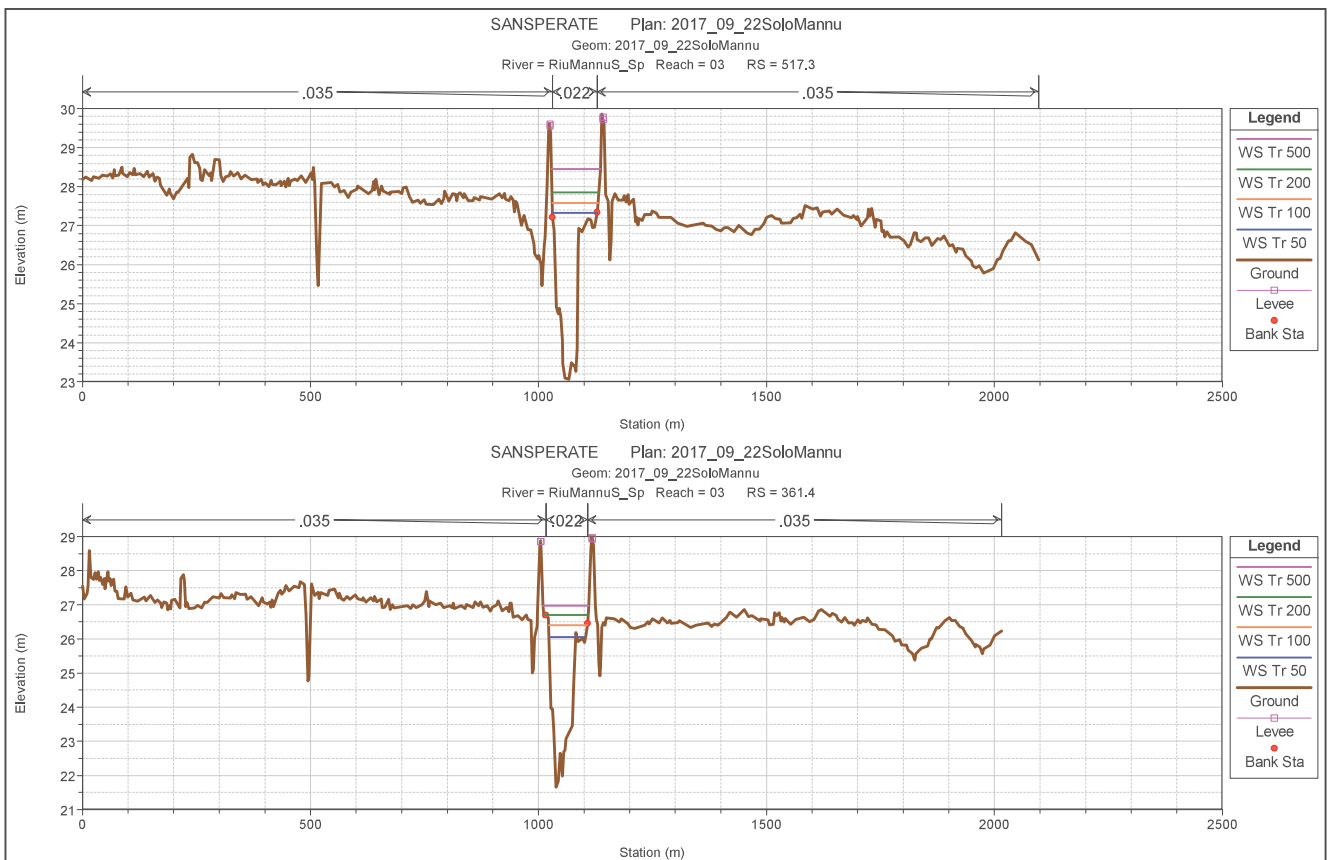


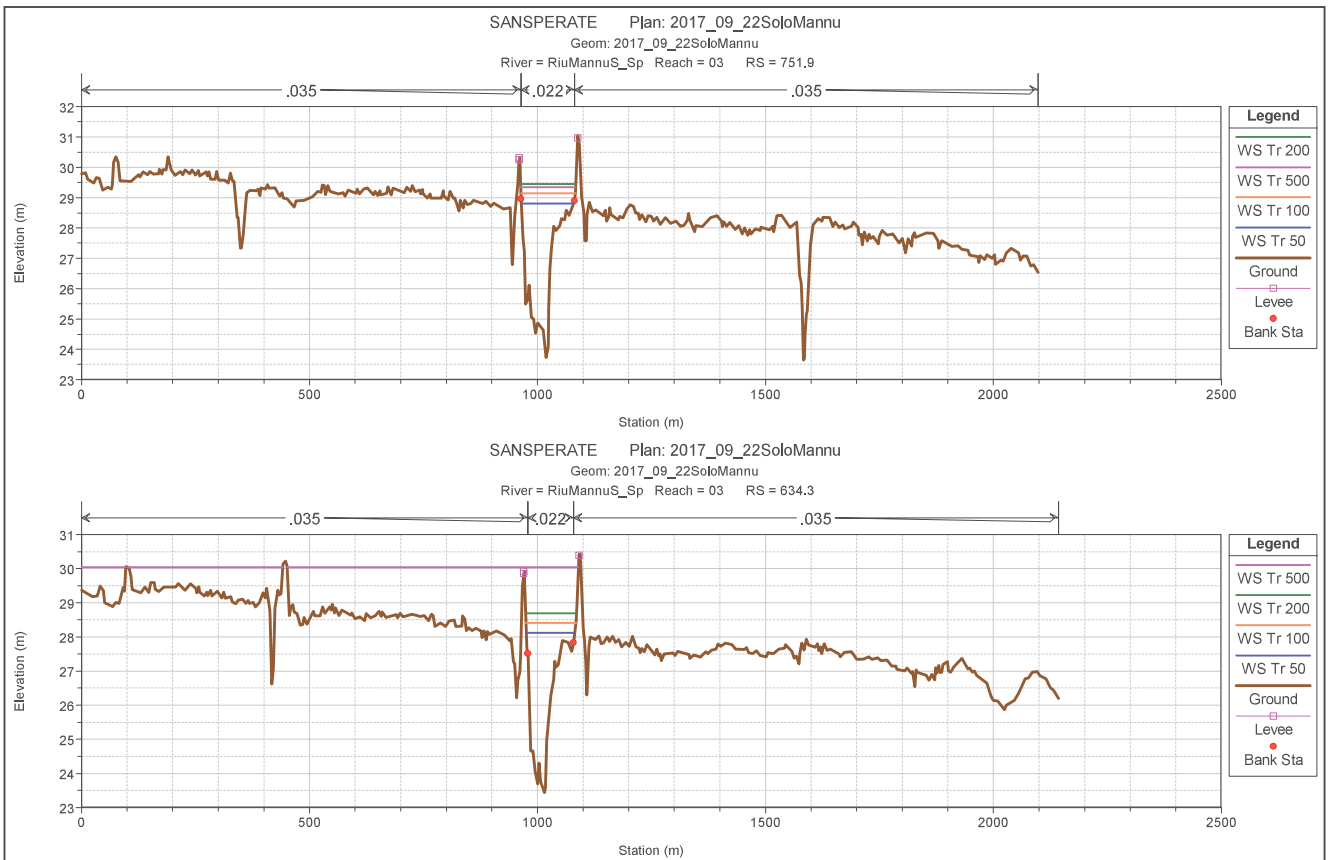


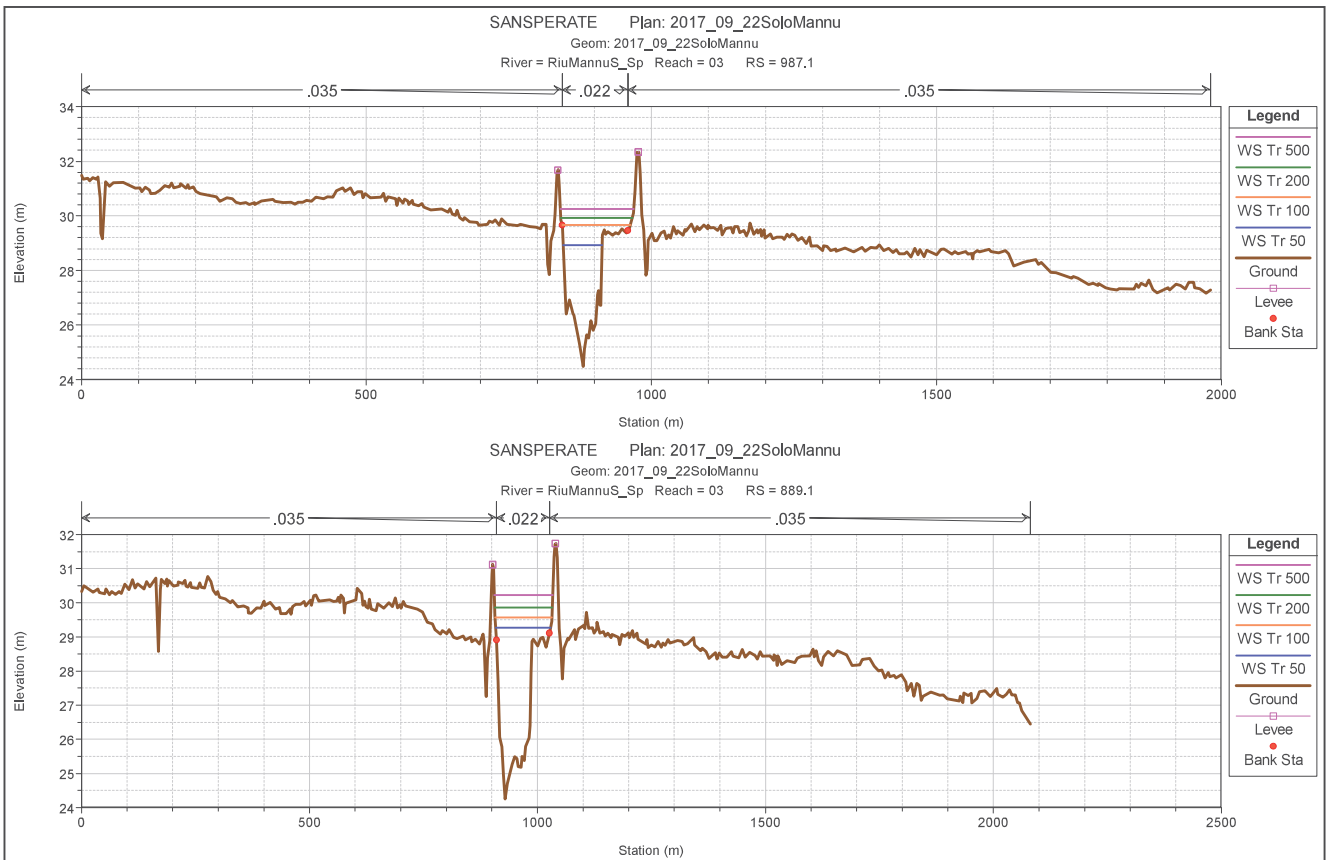


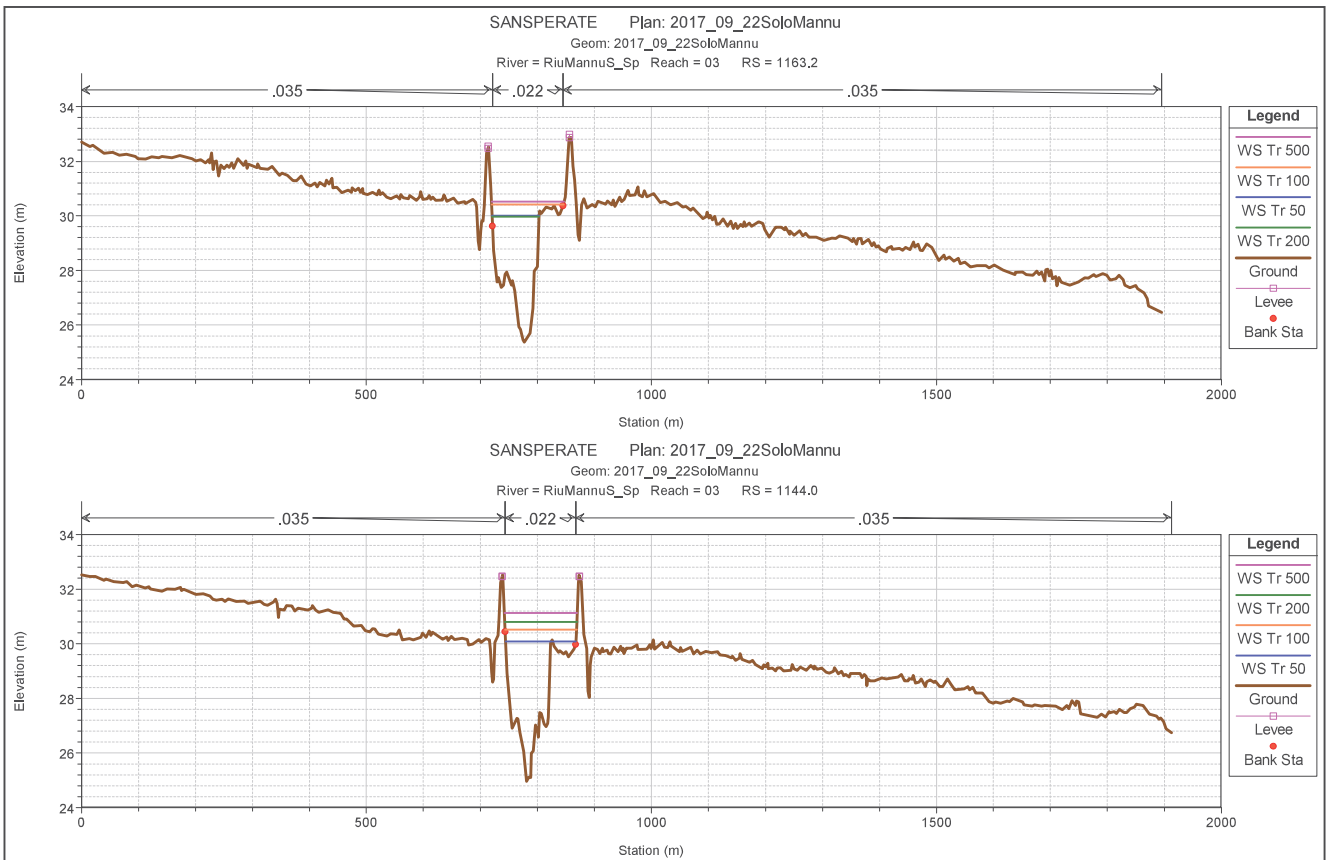


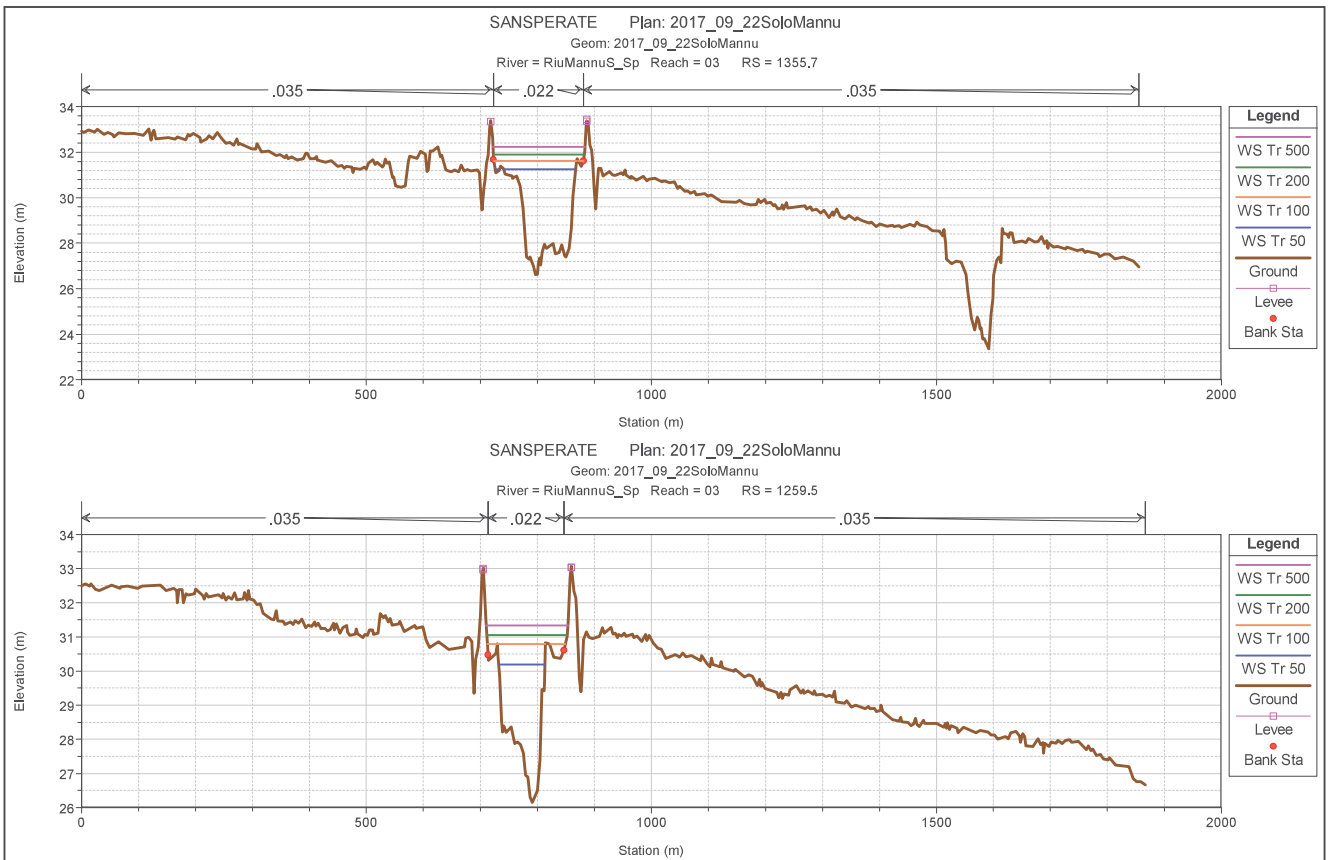


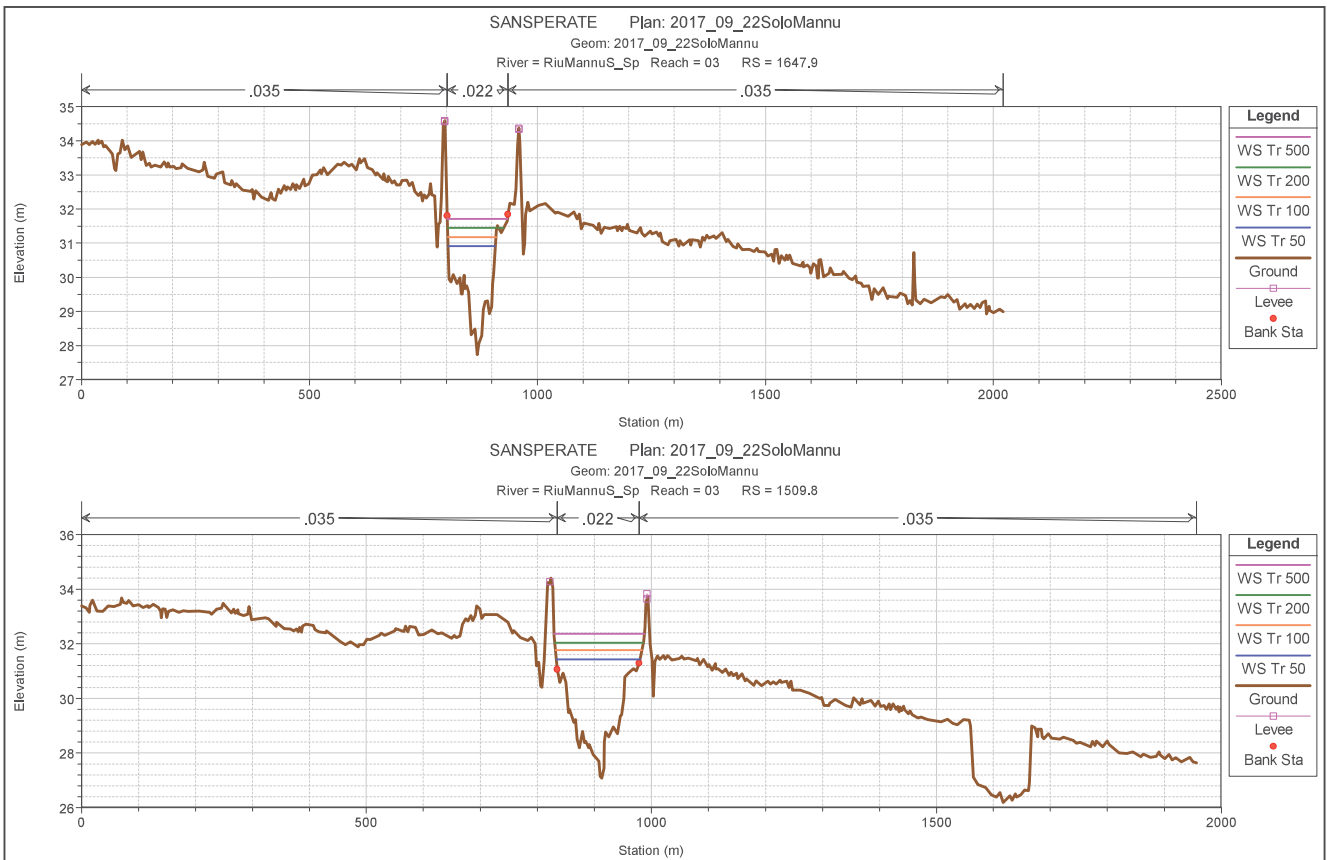


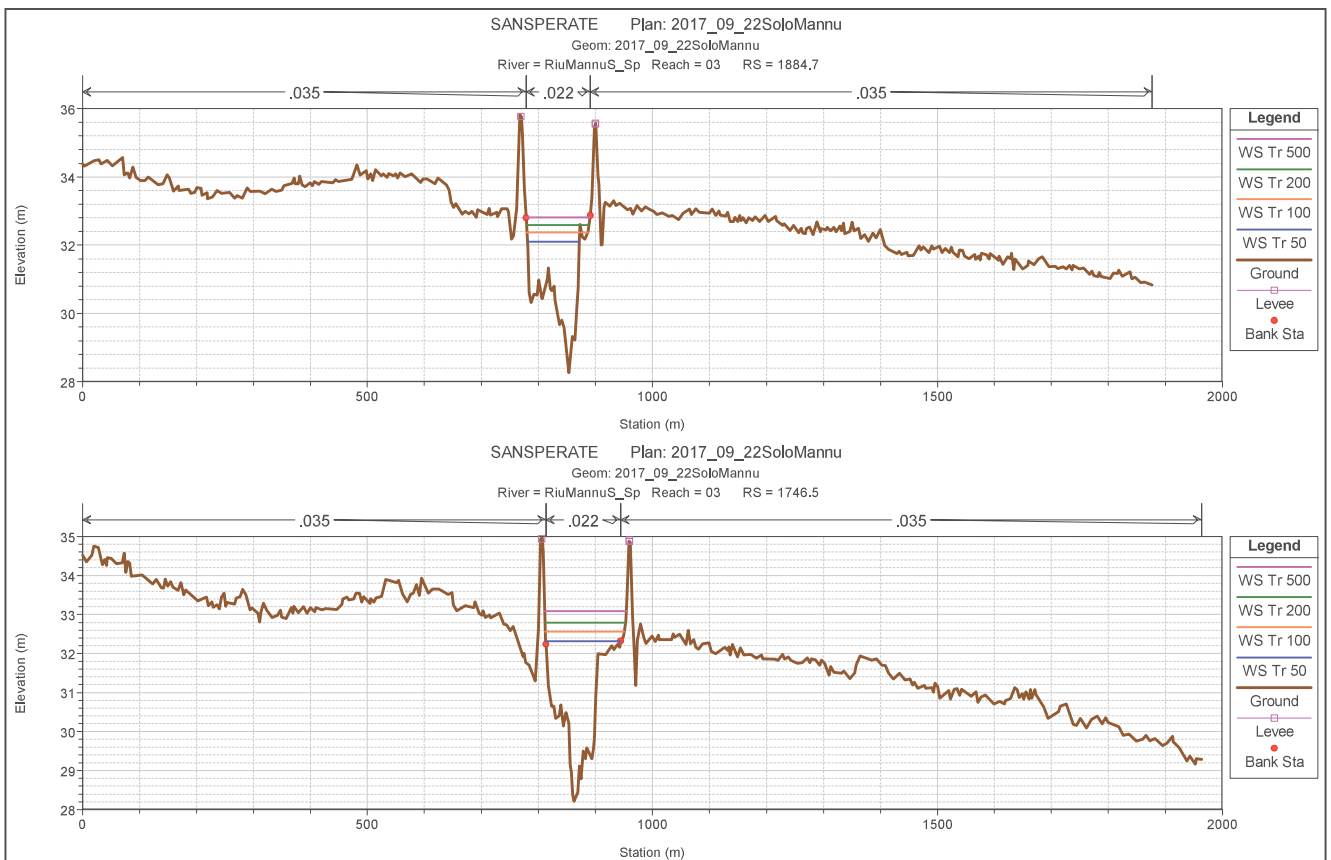


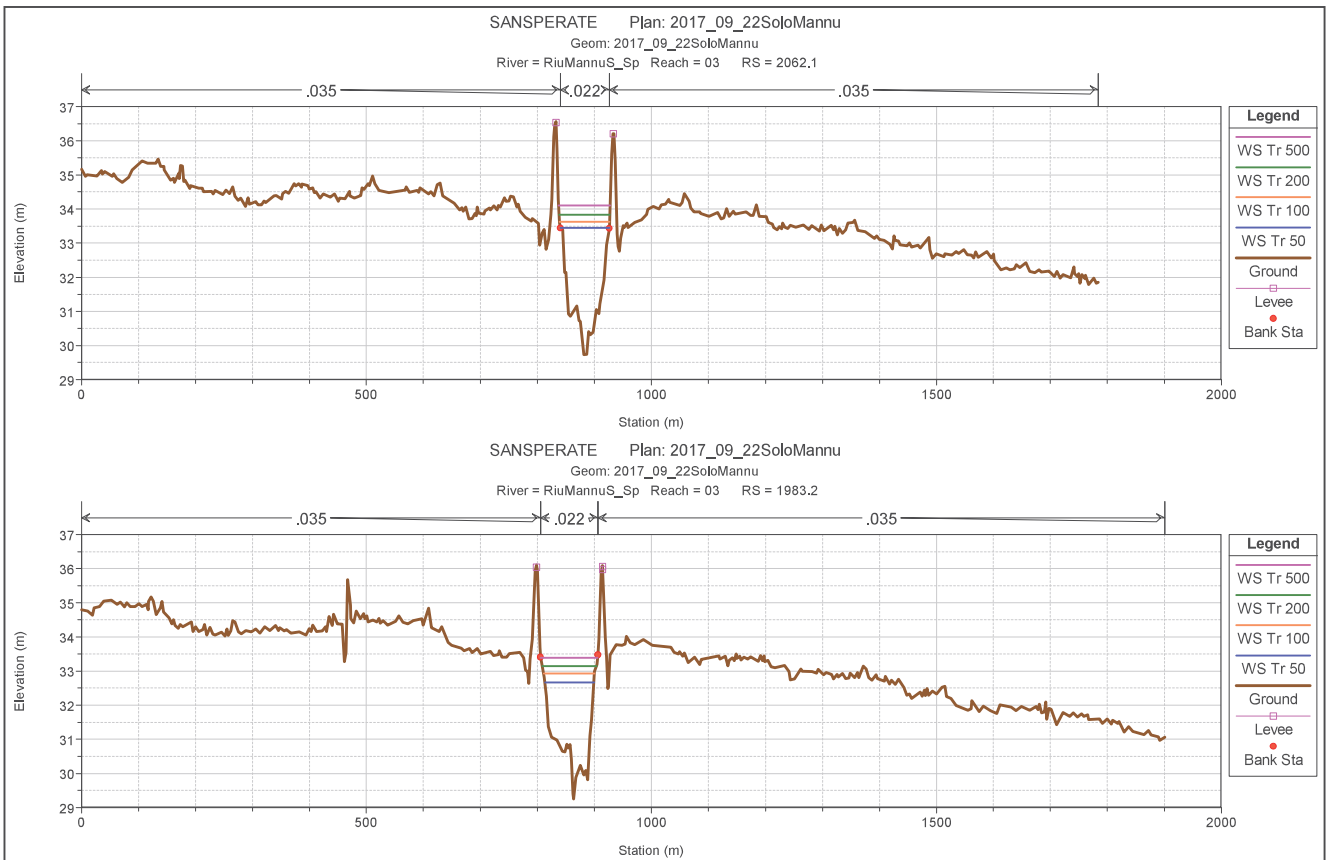


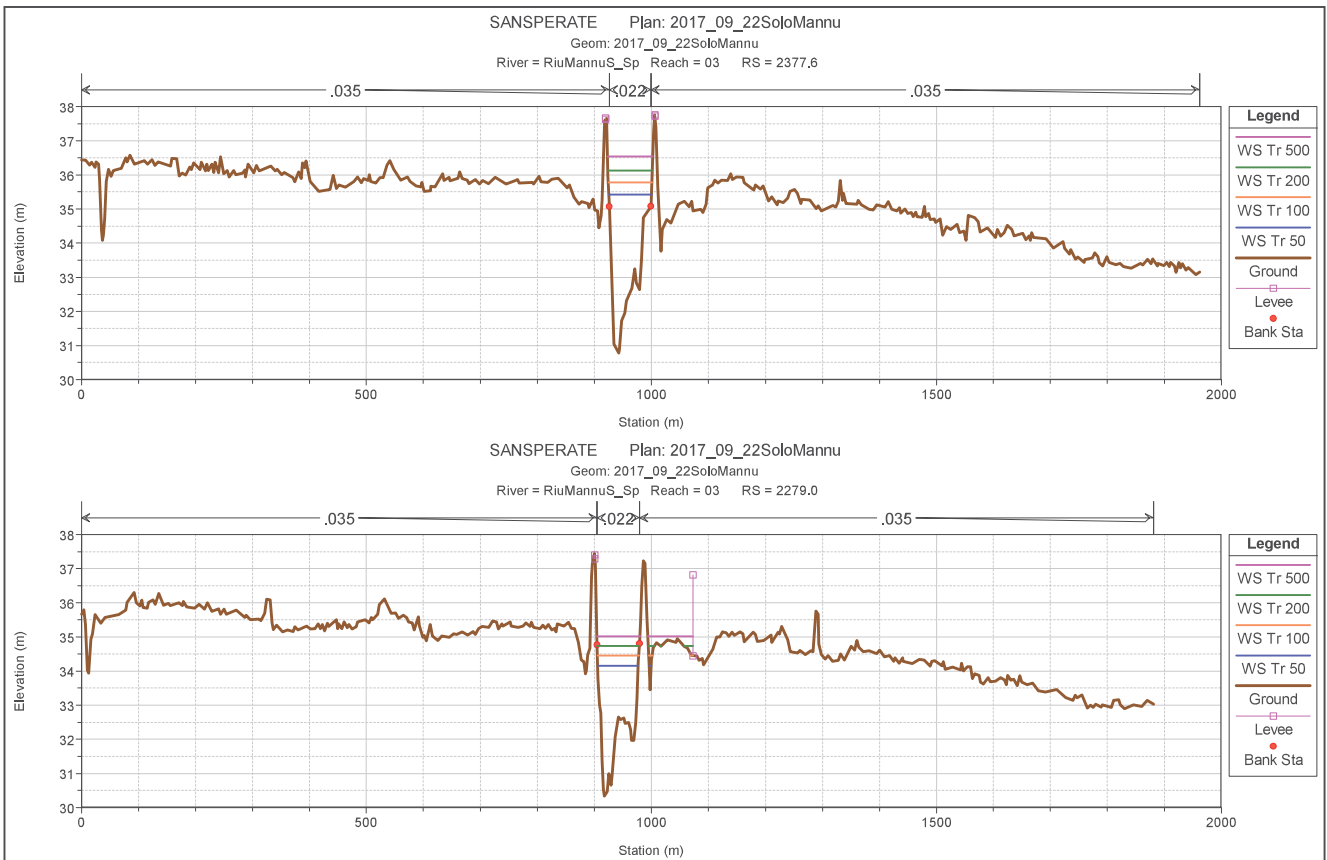


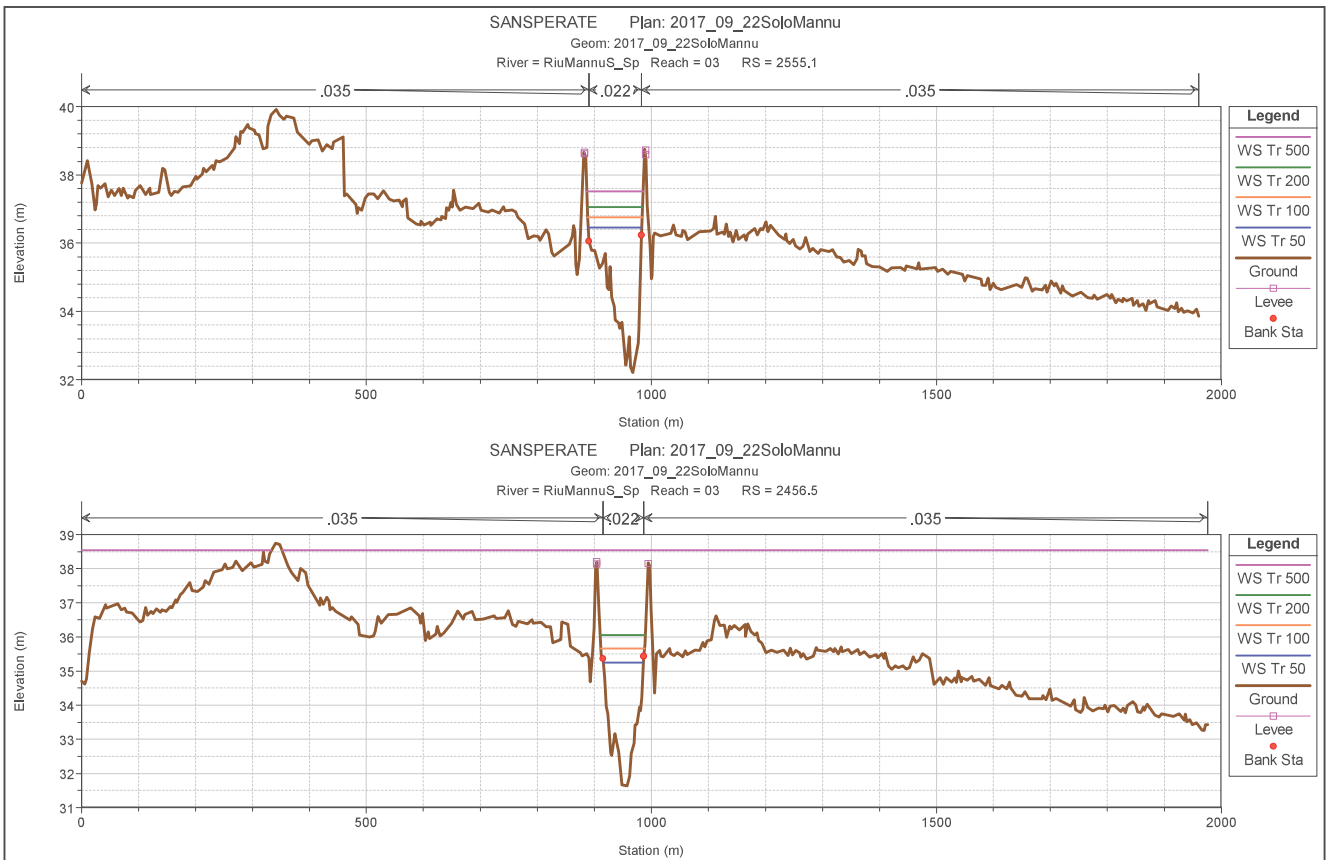


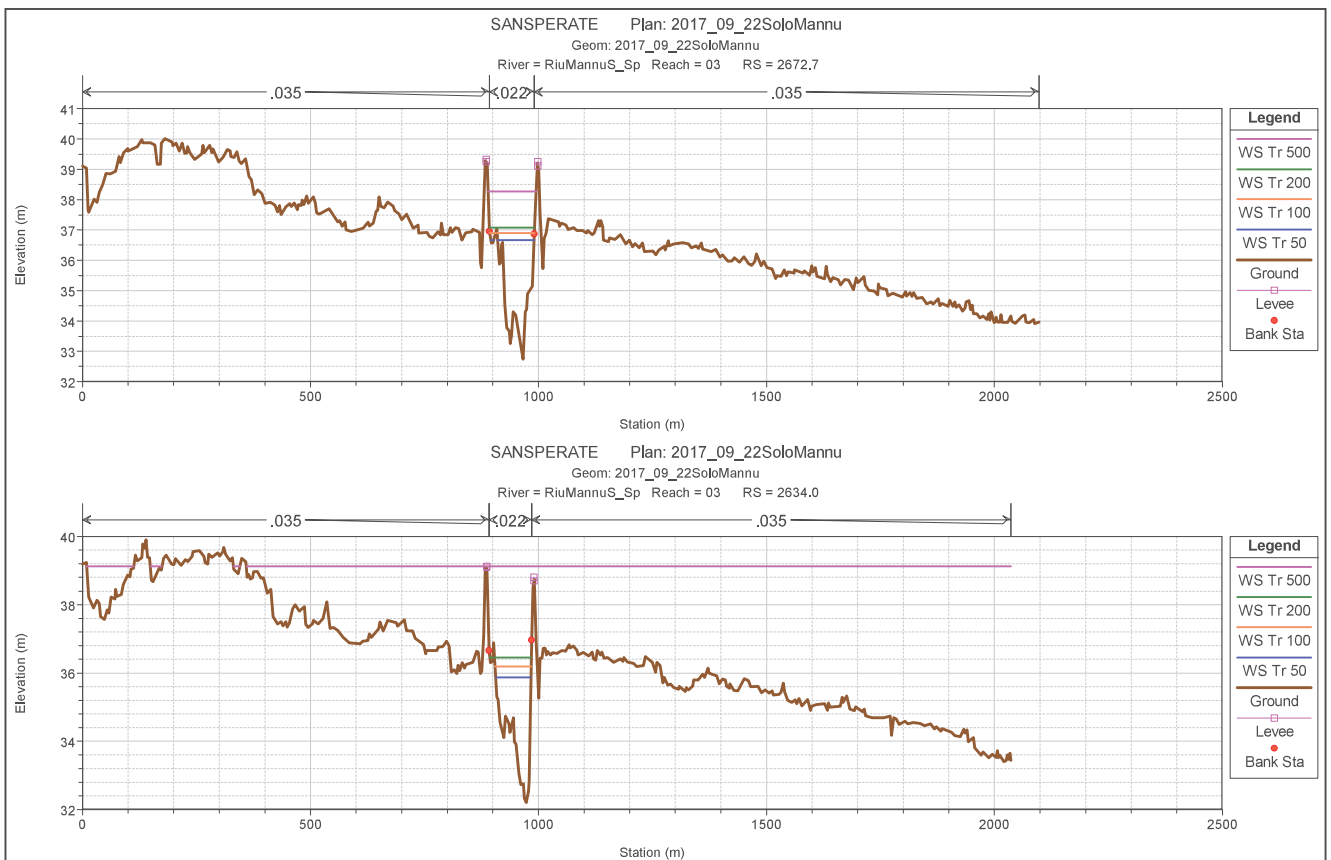


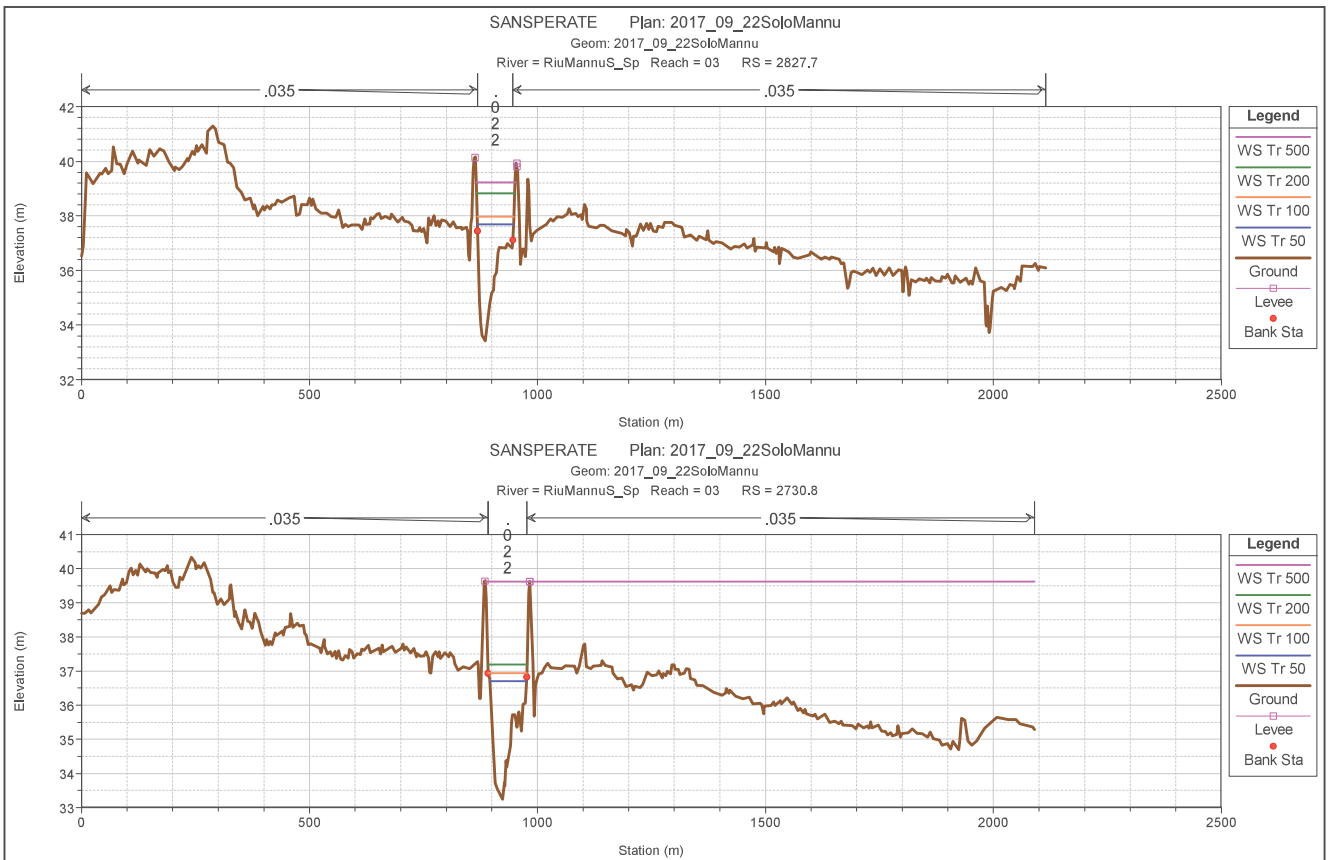


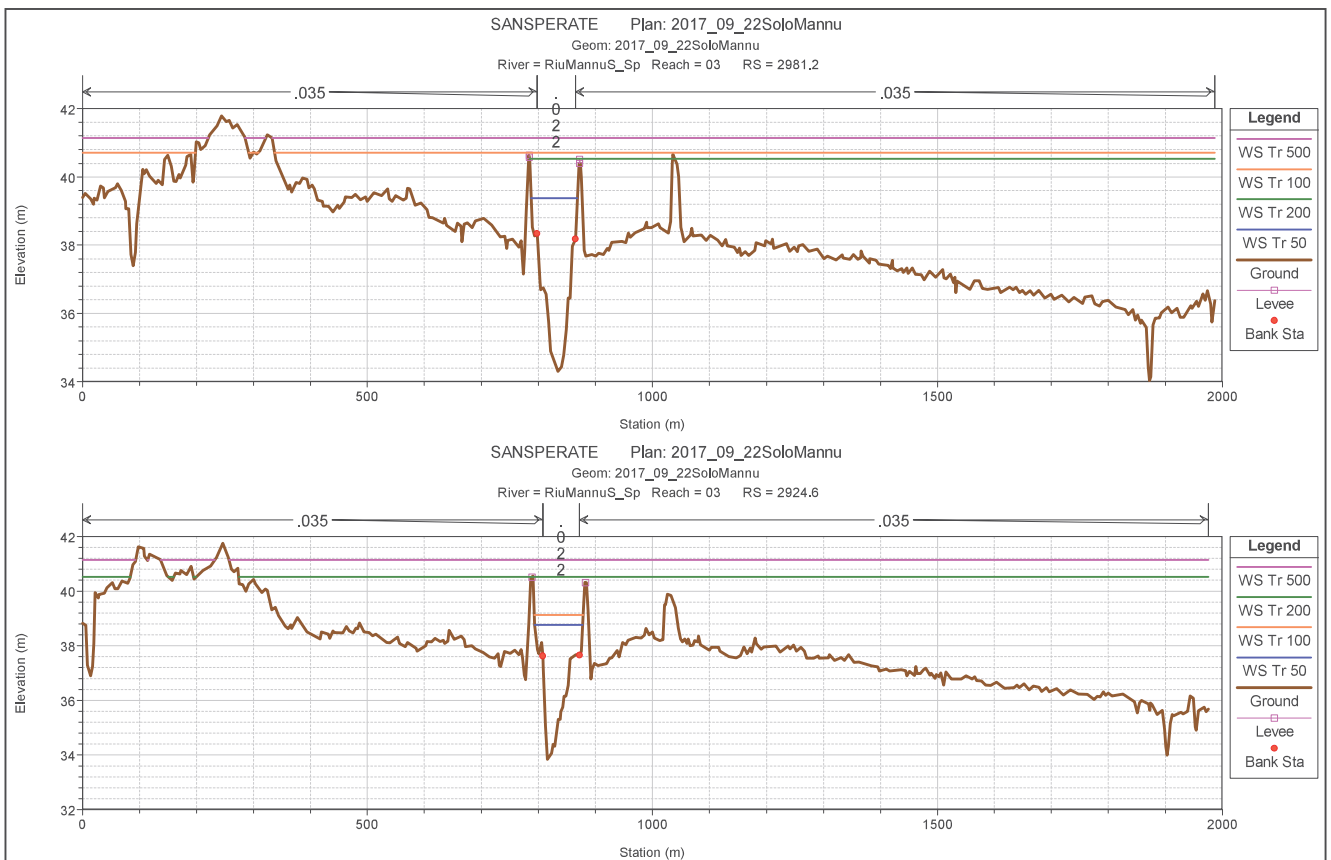


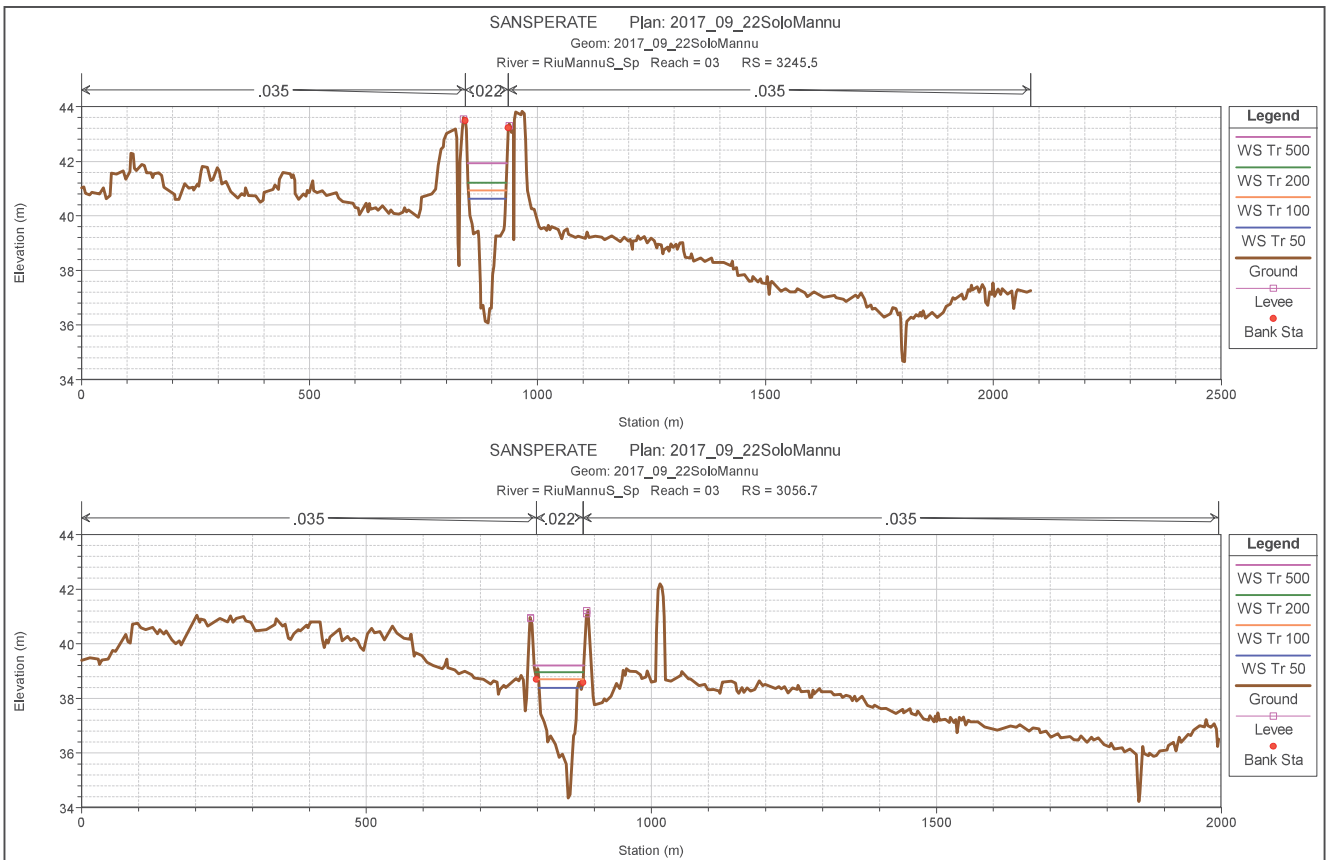


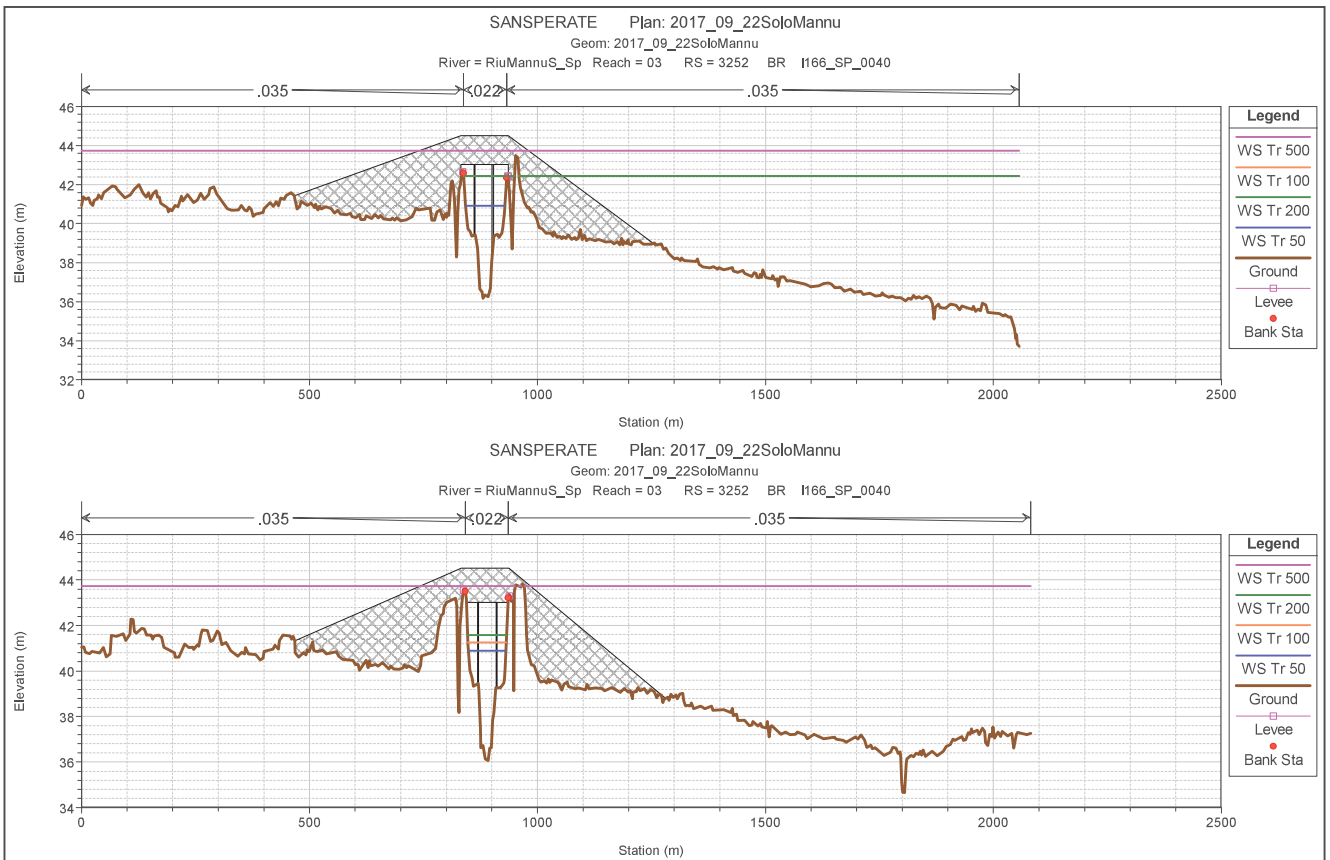


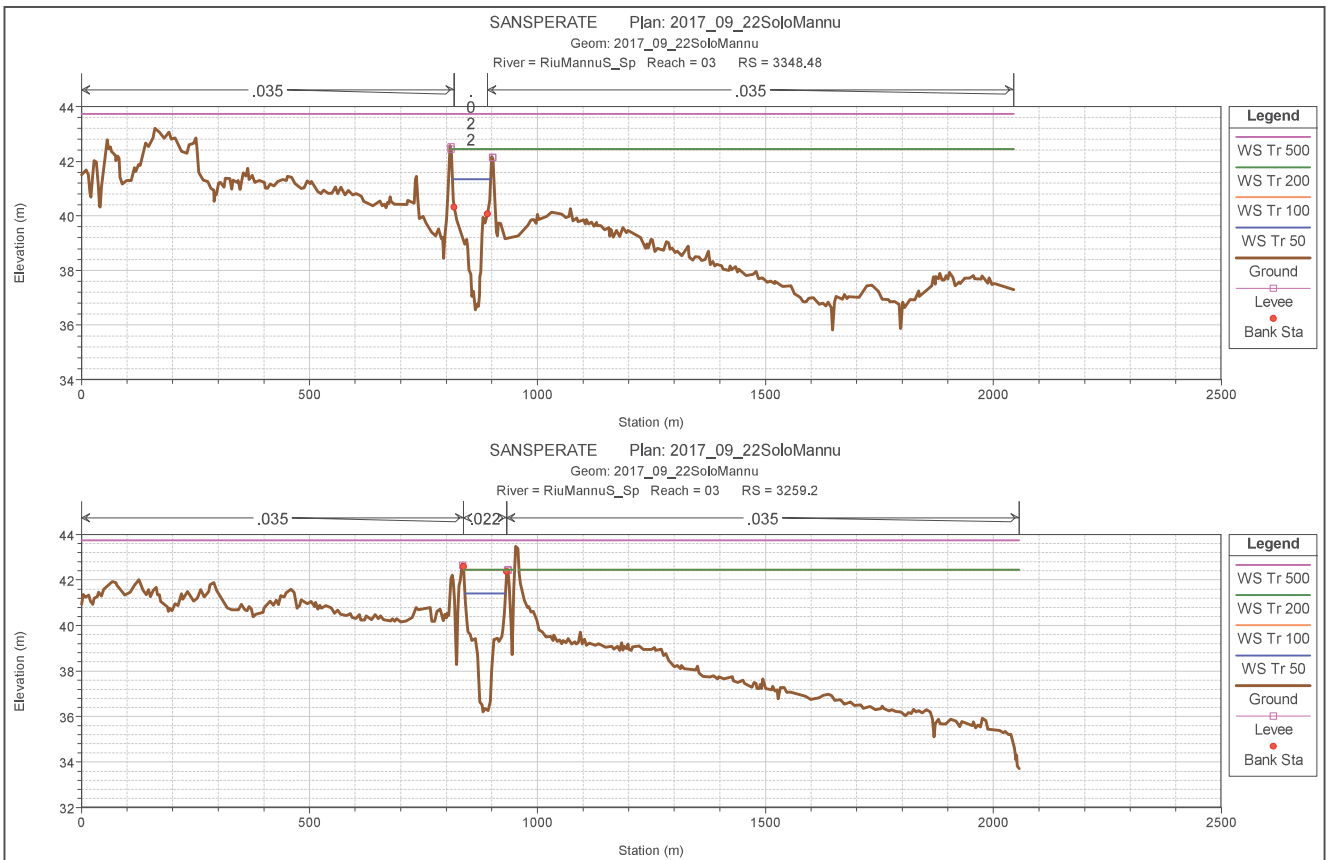


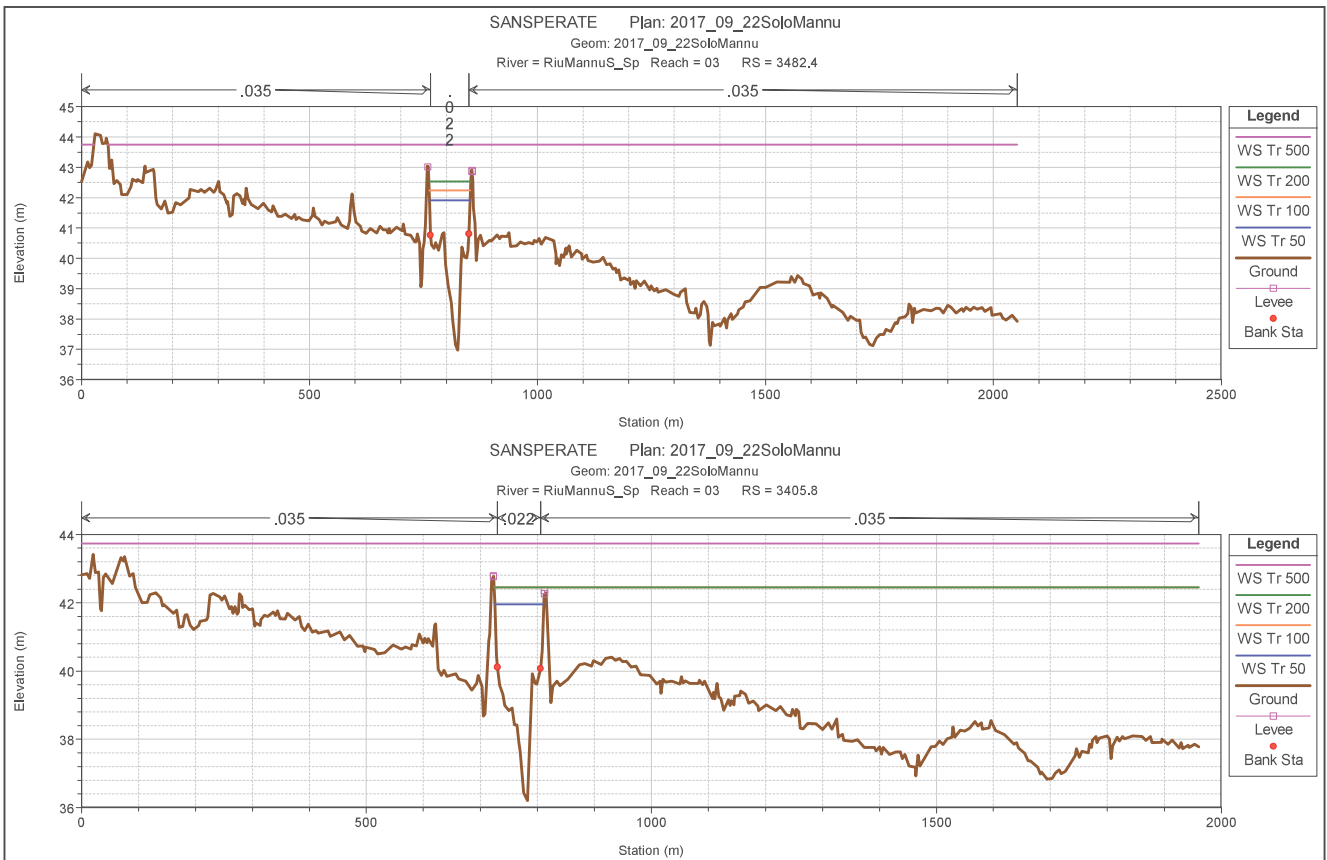


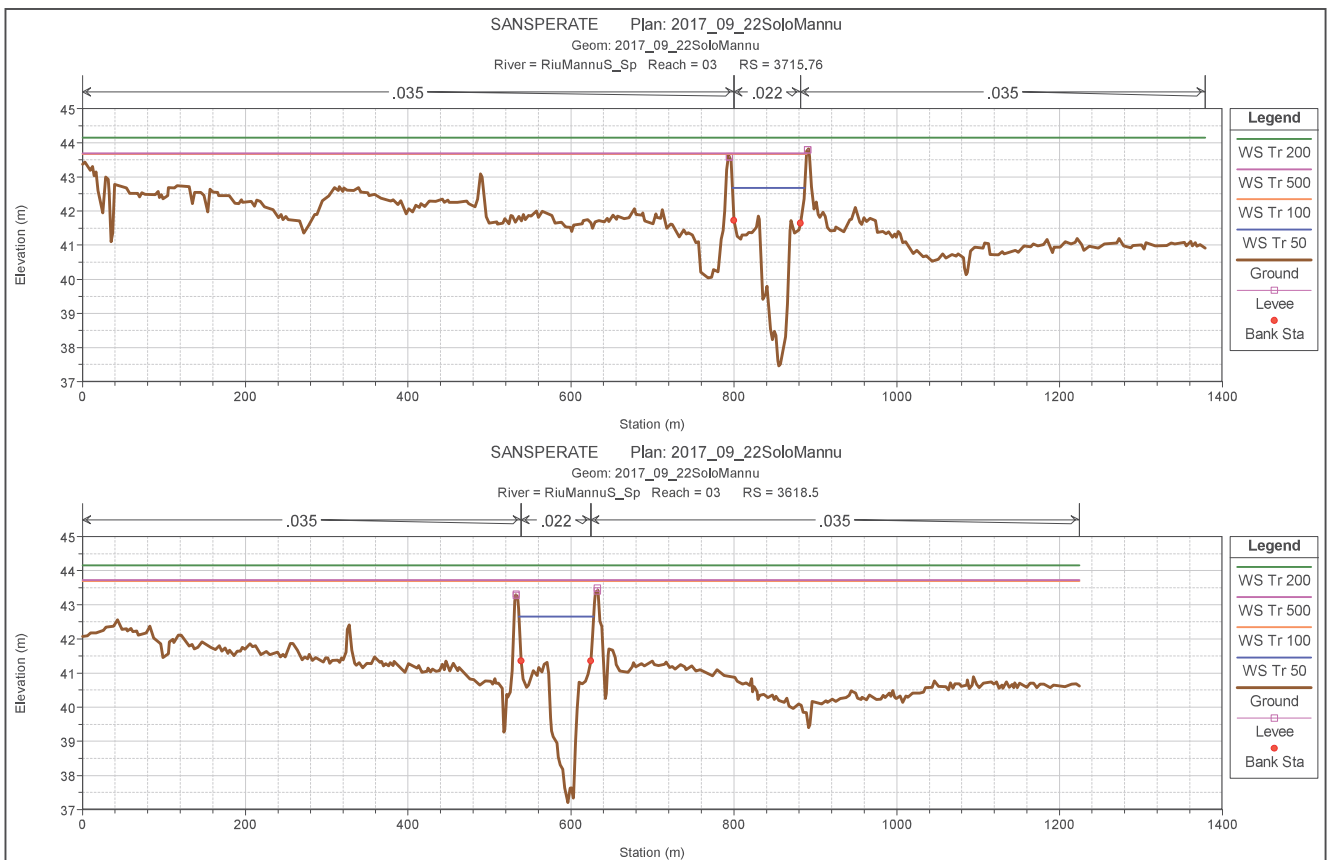


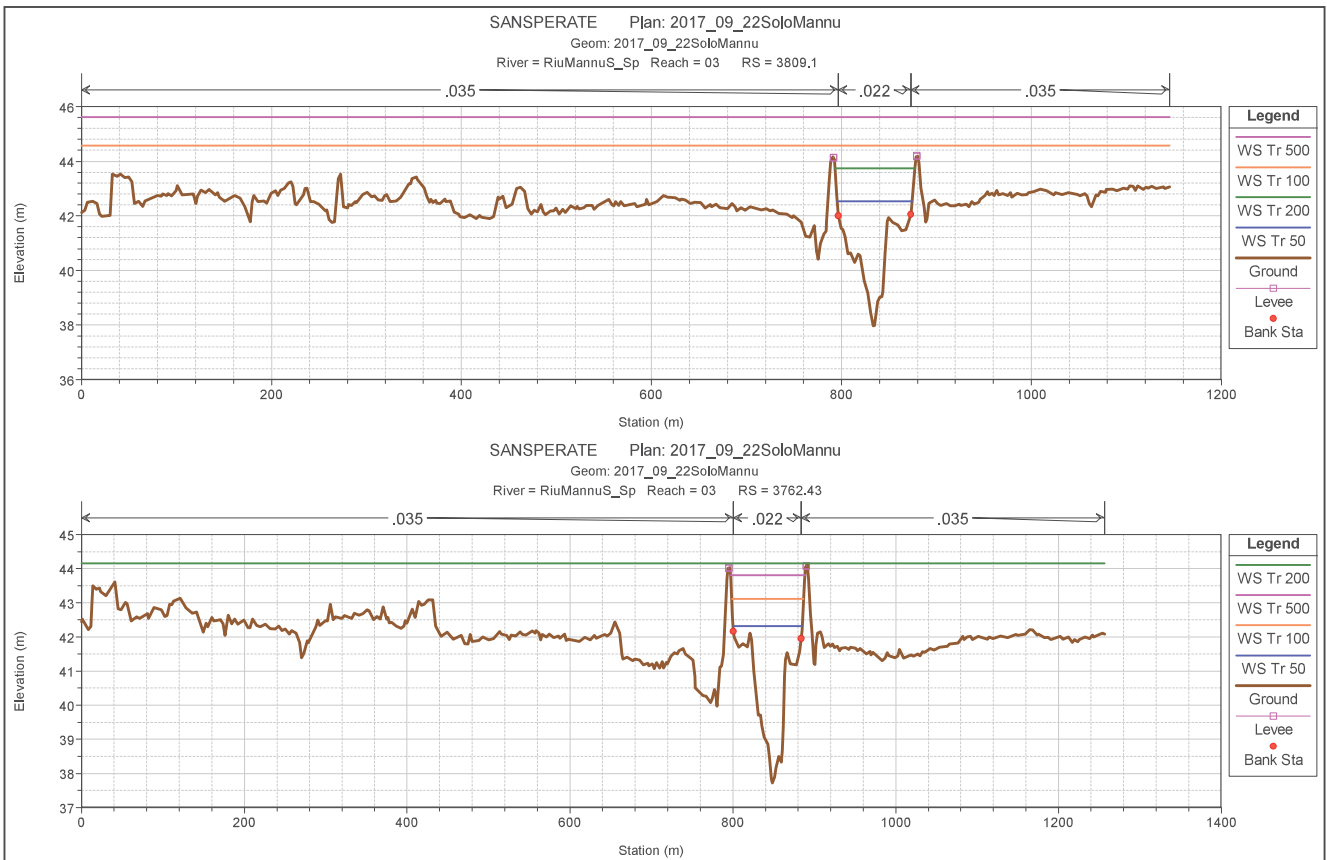


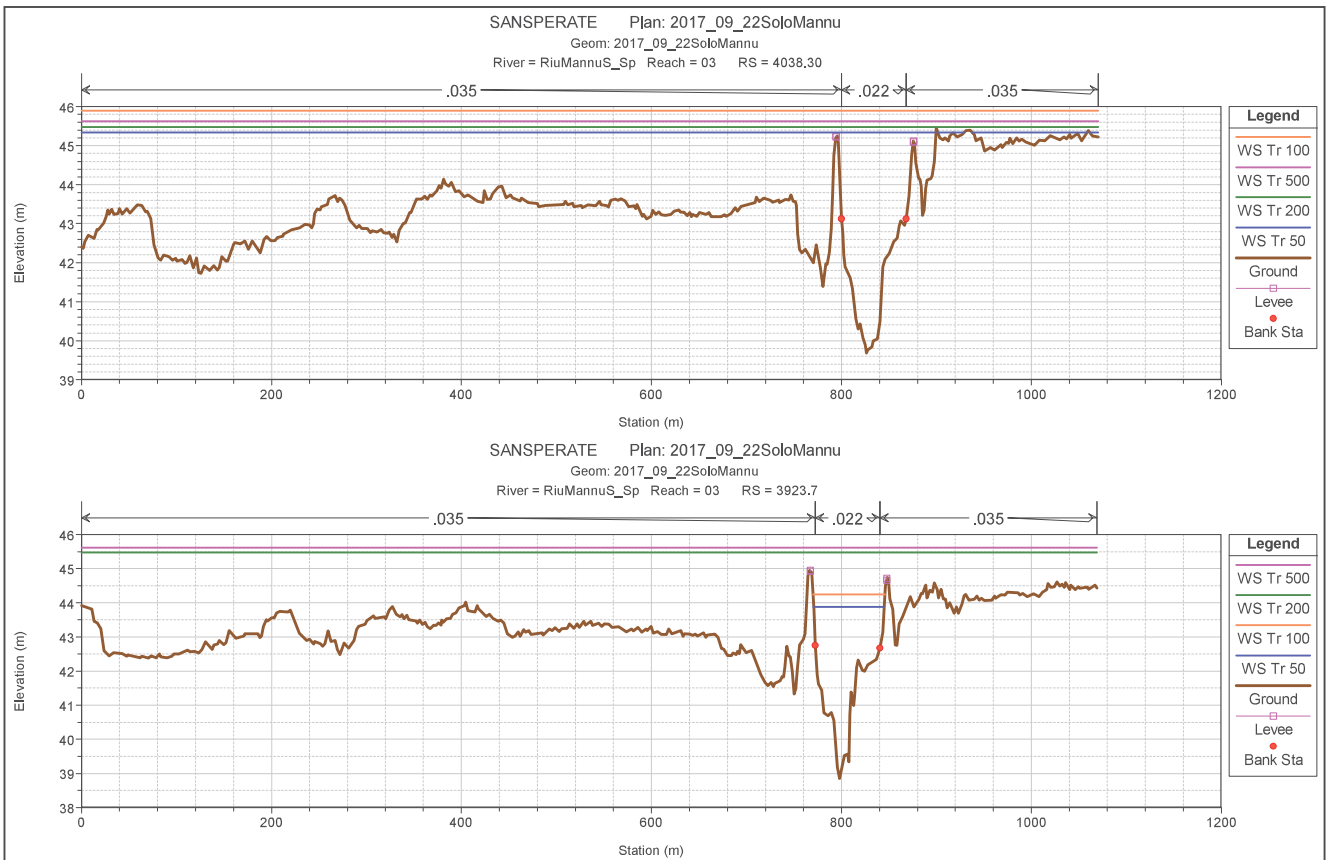


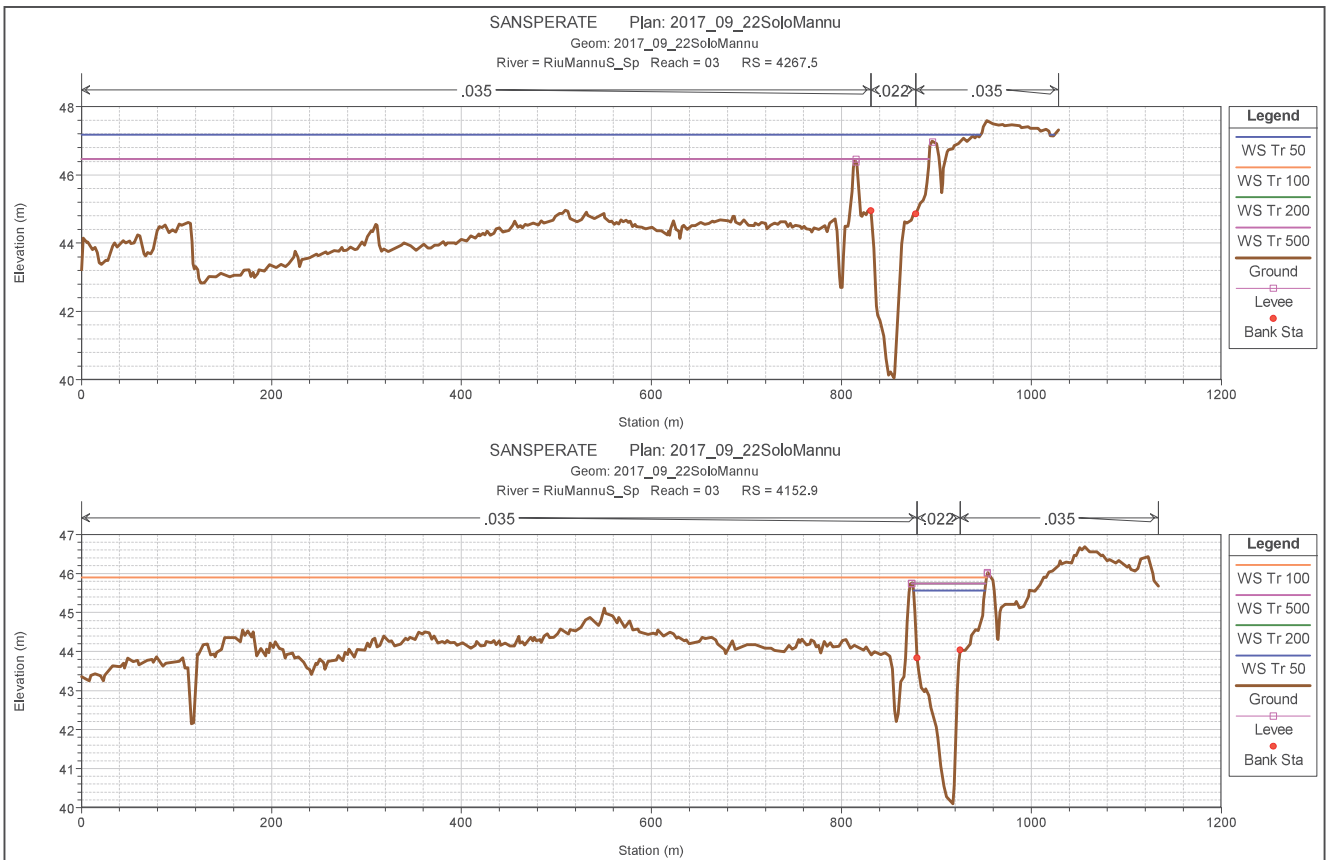


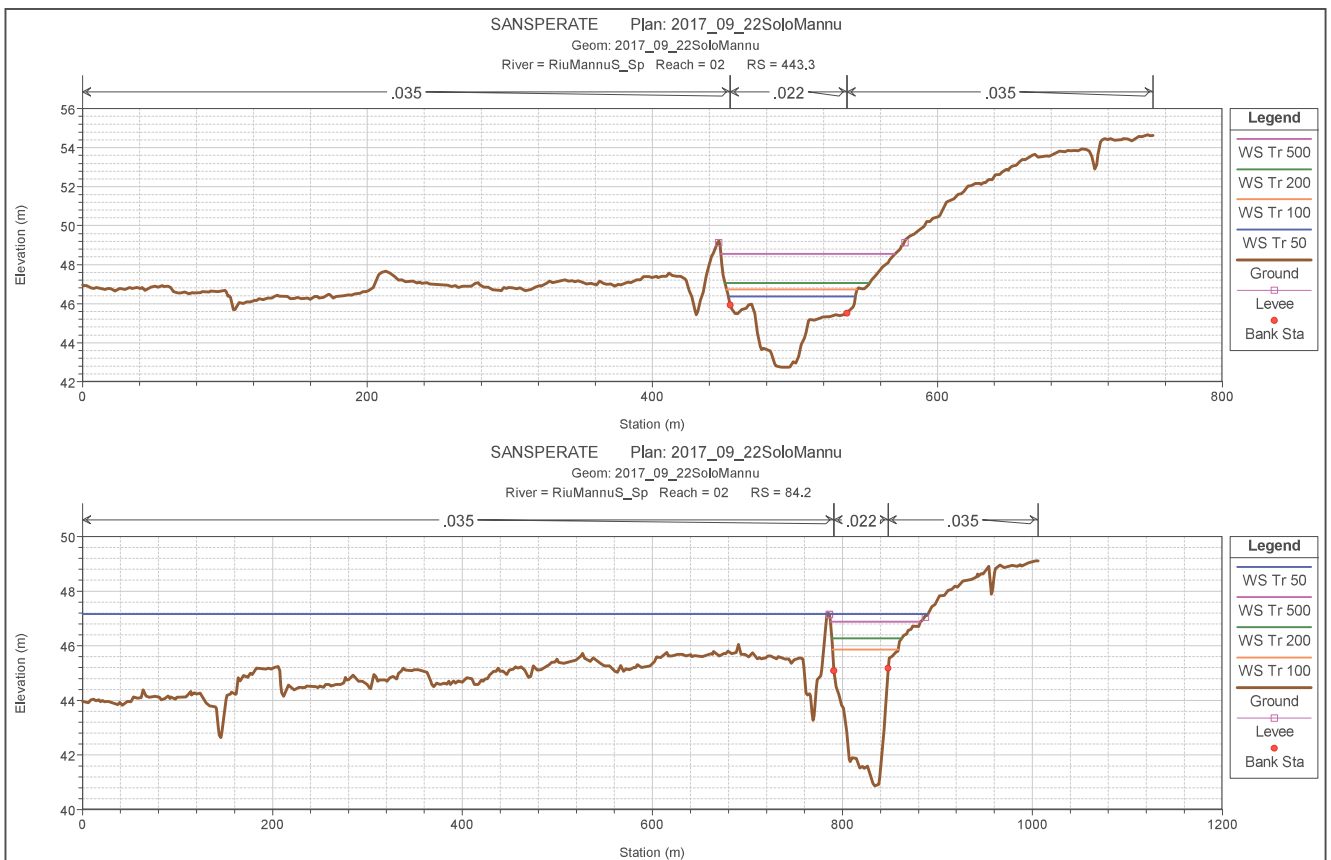


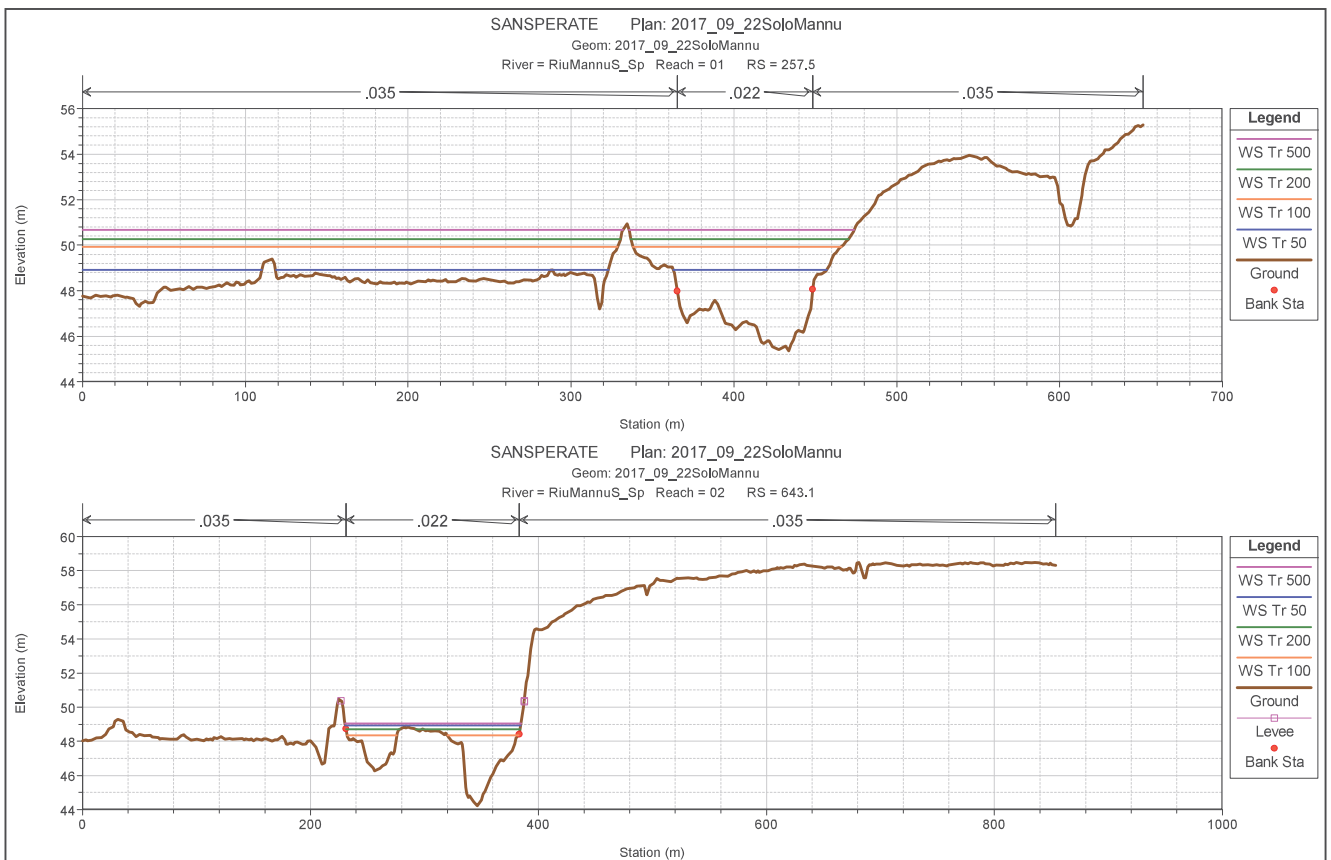


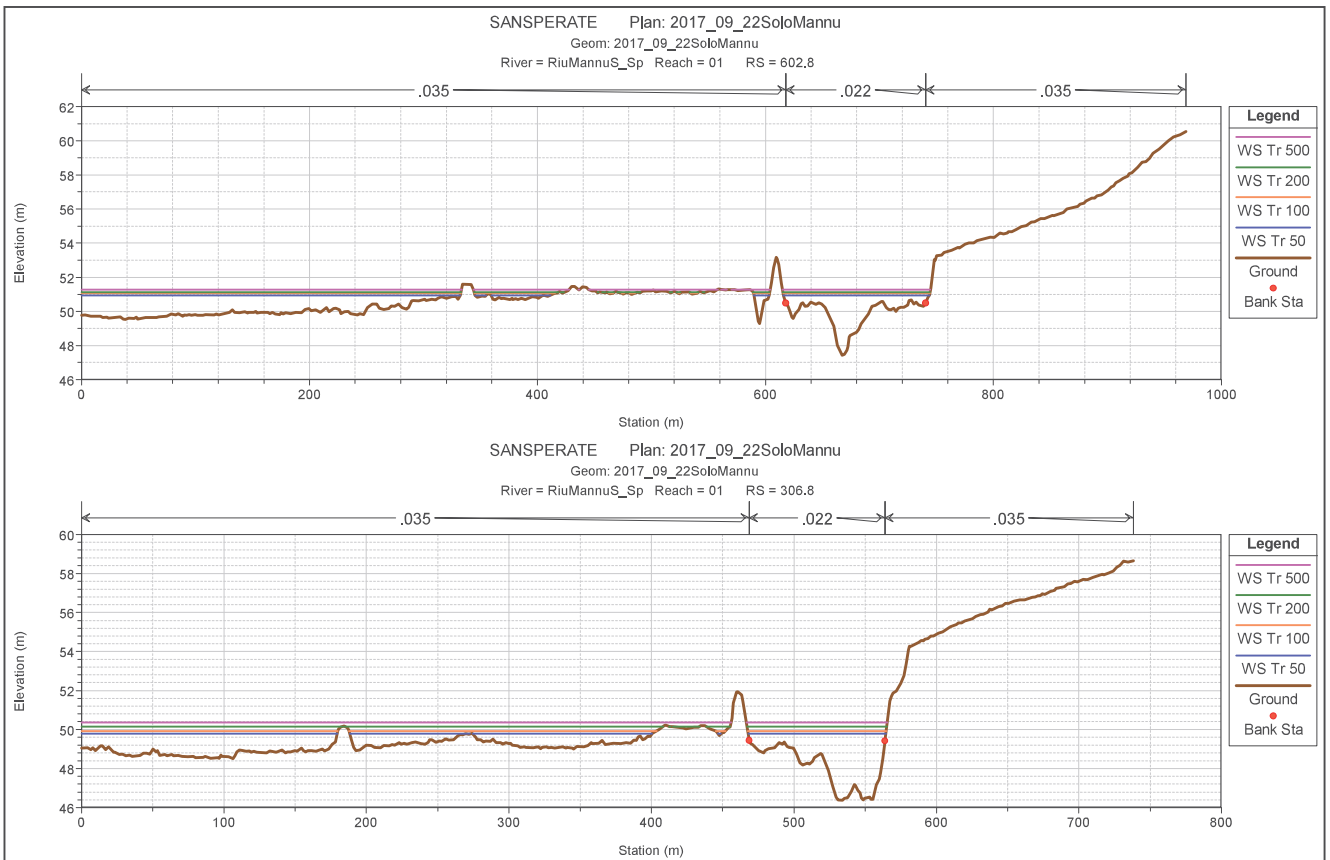












RIU MANNU
GORA TRUMULONIS
ENTE BONIFICA 7

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