

Comune di Siliqua

Provincia di Cagliari



COMMITTENTE

Amministrazione Comunale di Siliqua
Via Manno, 32 - 09010 SILIQUA - CA

firma

data

PROGETTO

POR SARDEGNA asse I - misura 1.3 - Difesa del
Suolo Ambito di Intervento Suolo - 2003 / 2004 -
Assessorato LLPP

INTERVENTO DI SISTEMAZIONE IDRAULICA A
PROTEZIONE DEL CENTRO ABITATO DI SILIQUA
DEL RIO CIXERRI VECCHIO ALVEO

III STRALCIO - I e II LOTTO FUNZIONALE

FASE

PROGETTO DEFINITIVO
RECEPIMENTO INDICAZIONI CONFERENZA DI SERVIZI

ALLEGATO

5.3

OGGETTO

SEZIONI - PROFILI E TABULATI SIMULAZIONE IDRAULICA

Il Responsabile dell'area tecnica
Ing. Mauro Fanari

Il Responsabile del Procedimento
Ing. Mauro Fanari

I Progettisti in A.T.P.

Dott. Arch. Marco Concas (Capogruppo)

Vicolo La Marmora n.14 - 09010 - Siliqua(CA) Tel. 0781-73412

Dott. Ing. Sergio Mancosu

Dott. Geol. Piera Franca Spano

I Progettisti in A.T.P.

Ing. Paolo Scarteddu (Capogruppo)

Via Carducci n.18 - 09170 - ORISTANO(OR) Tel. 0783-302480

Dott. Agr. Marco Atzeni

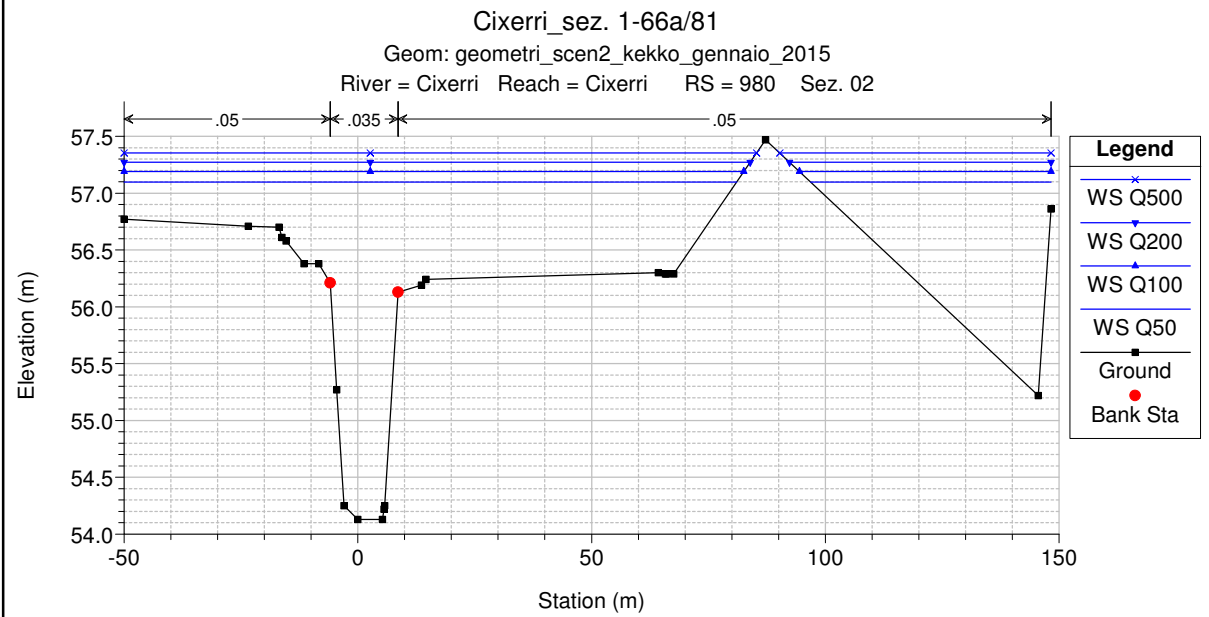
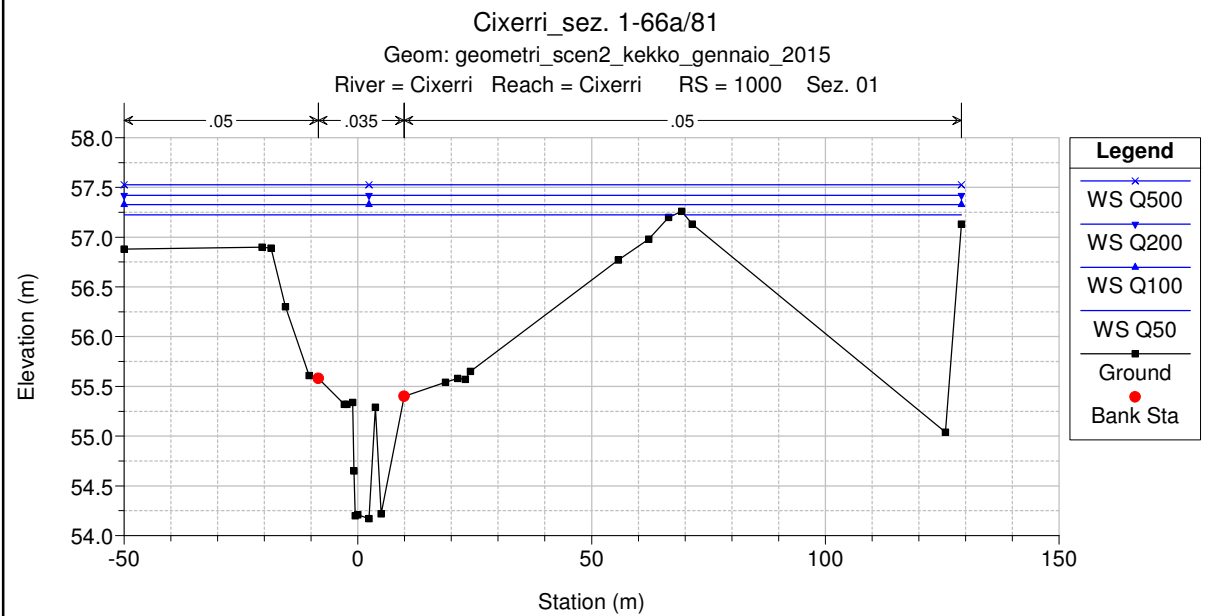
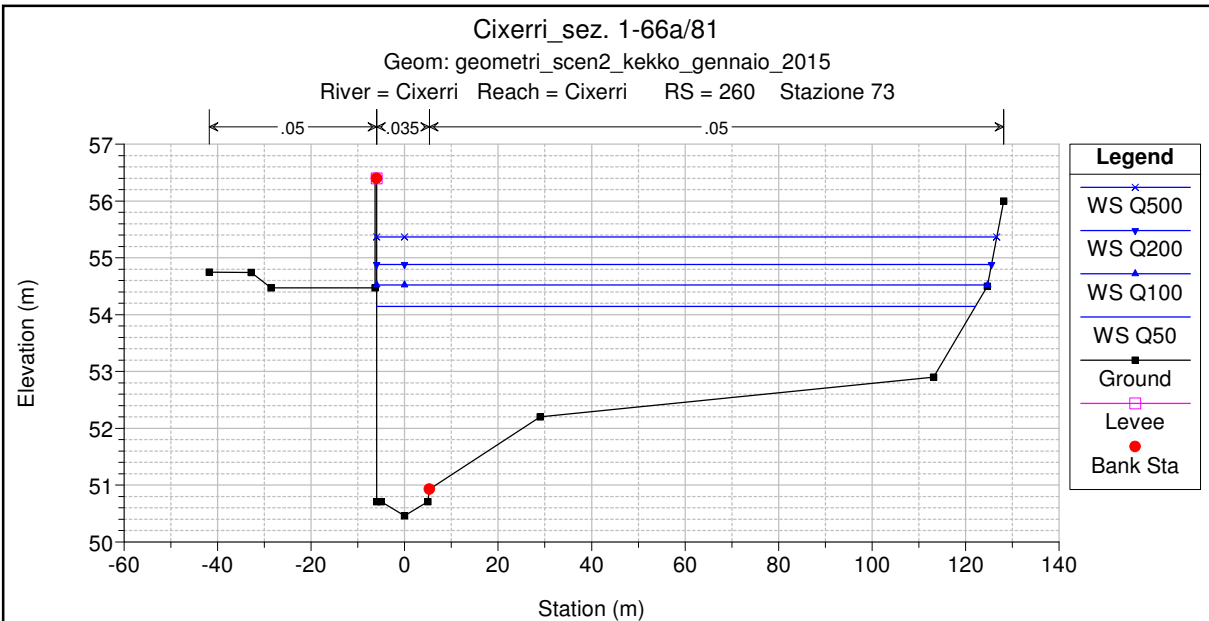
Dott. Geol. Alberto Plaisant

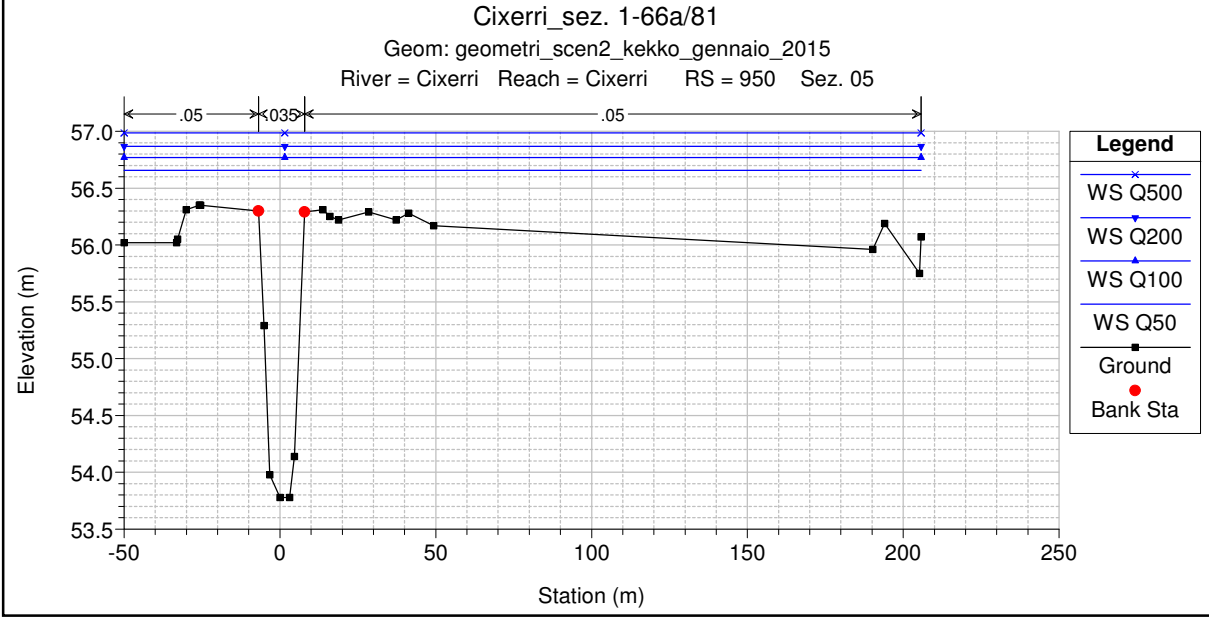
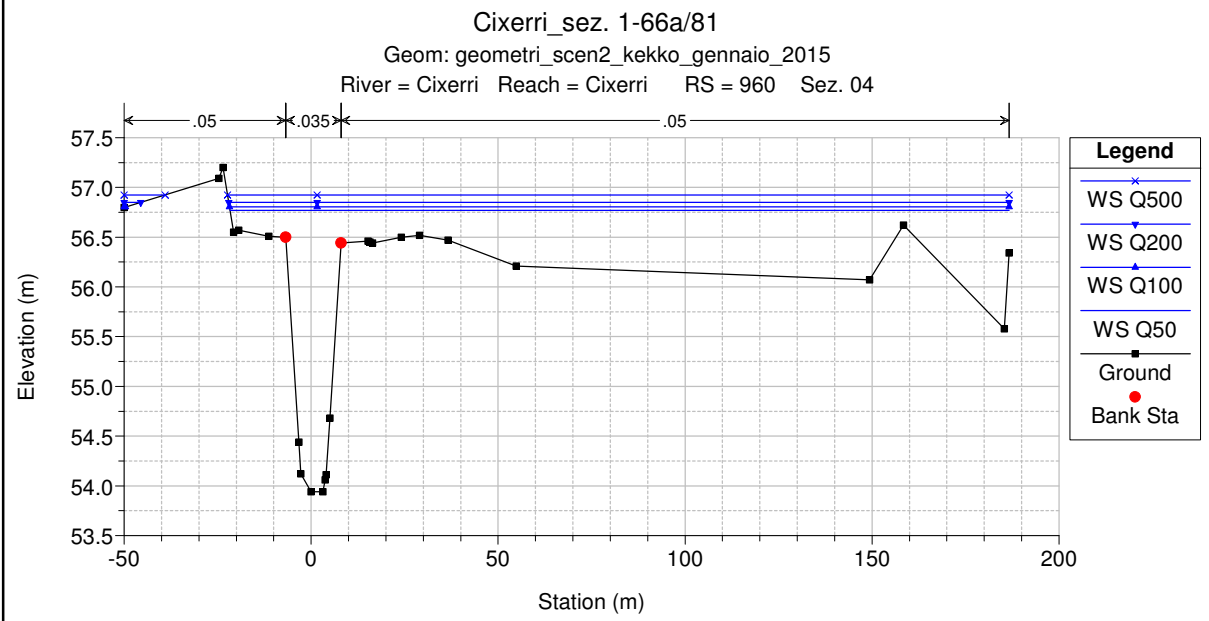
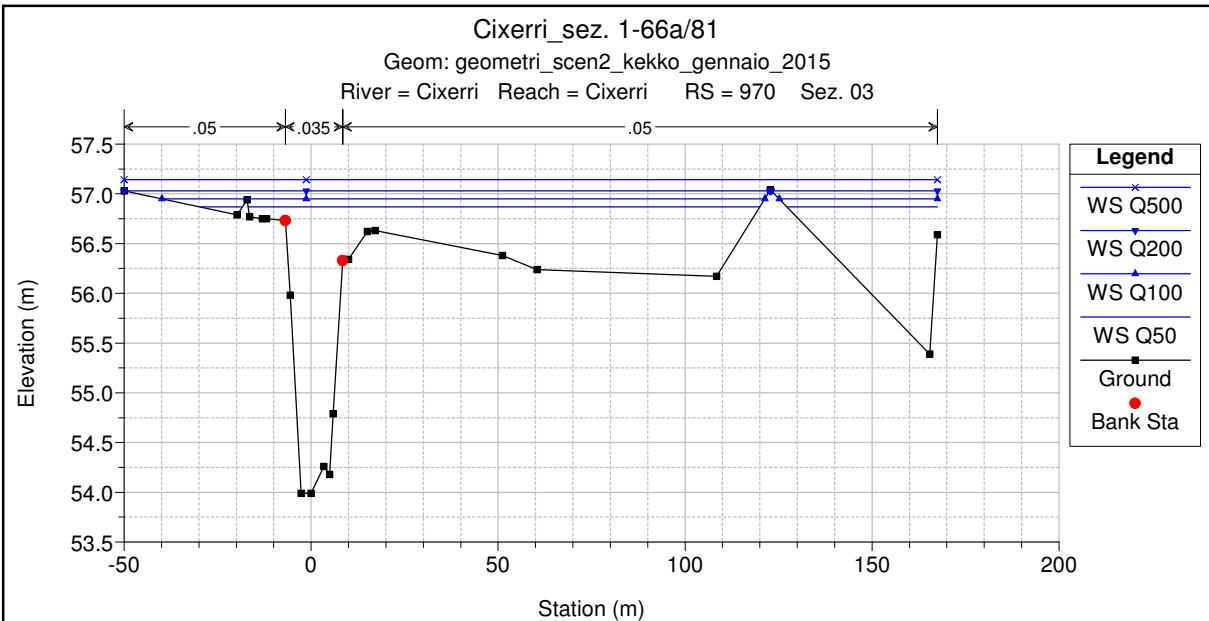
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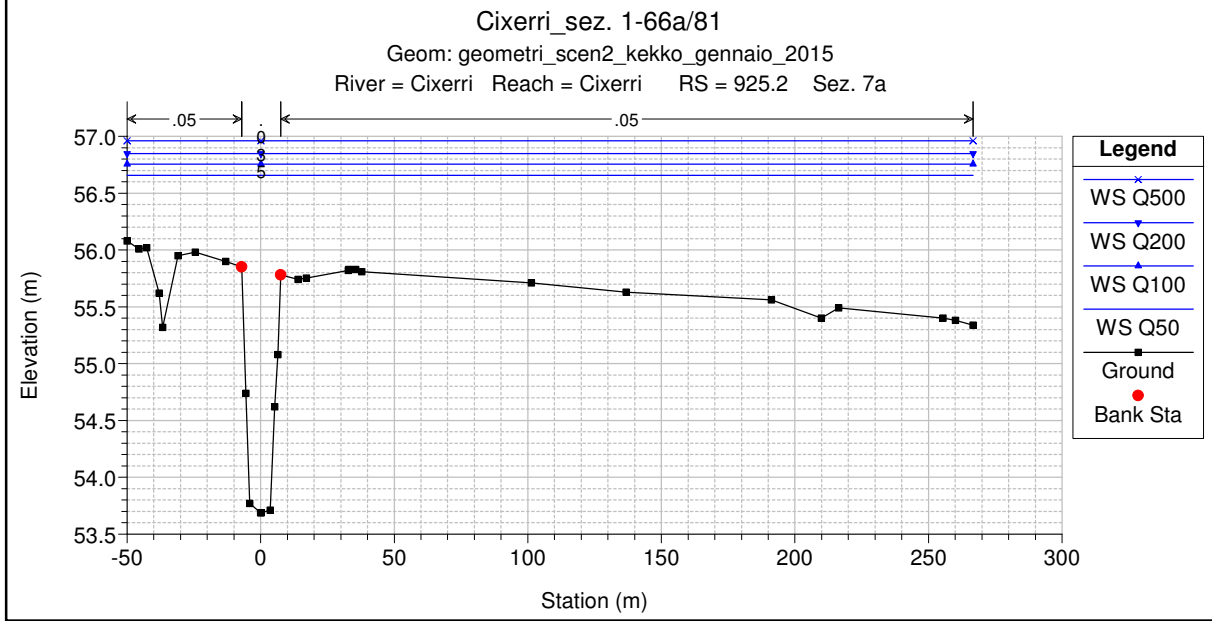
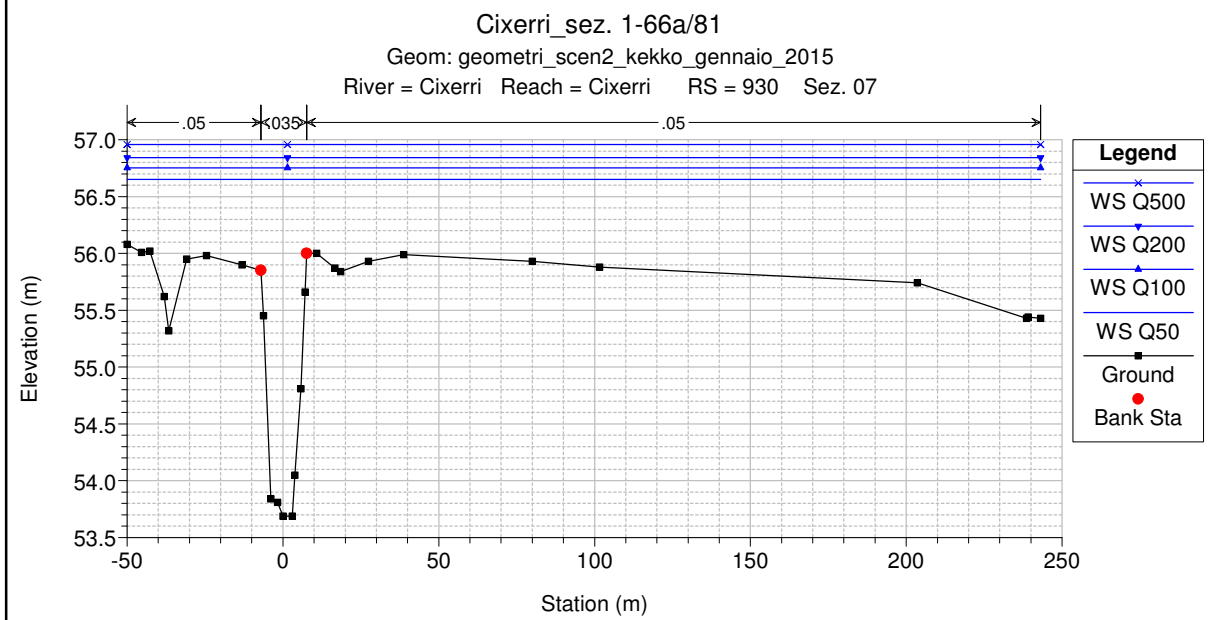
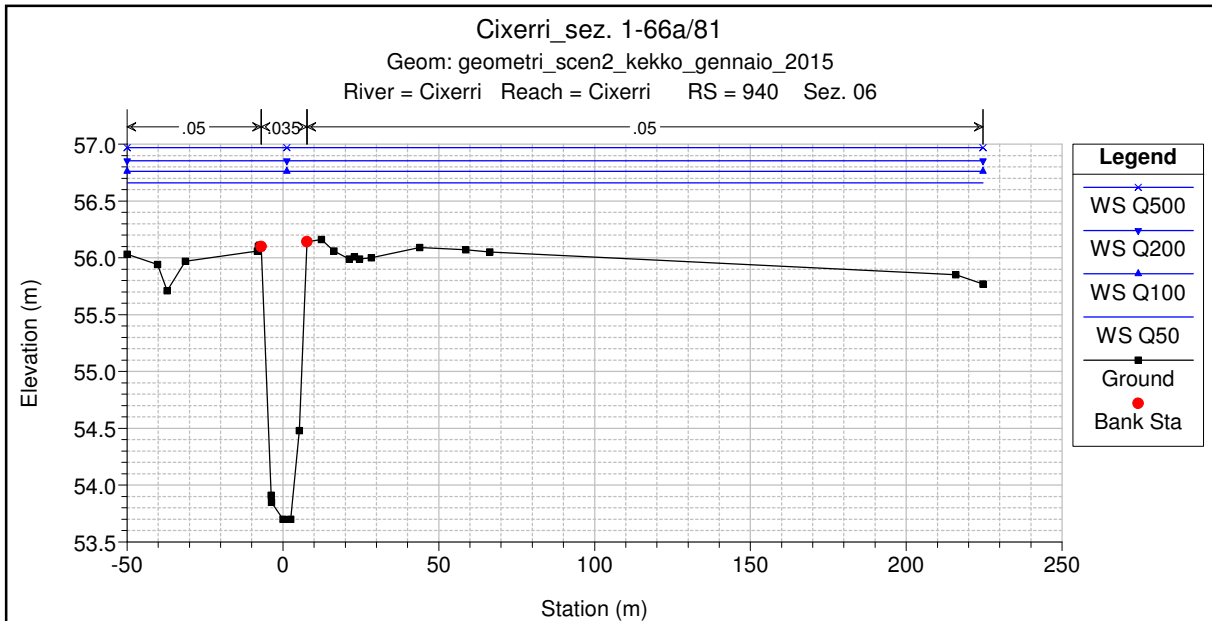
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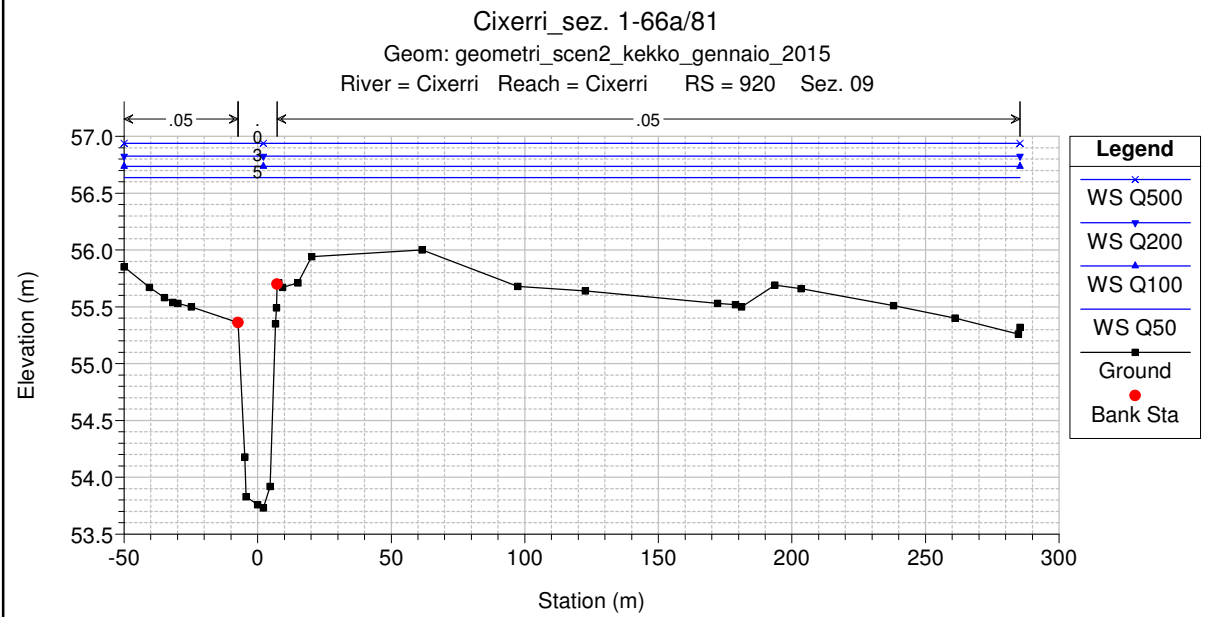
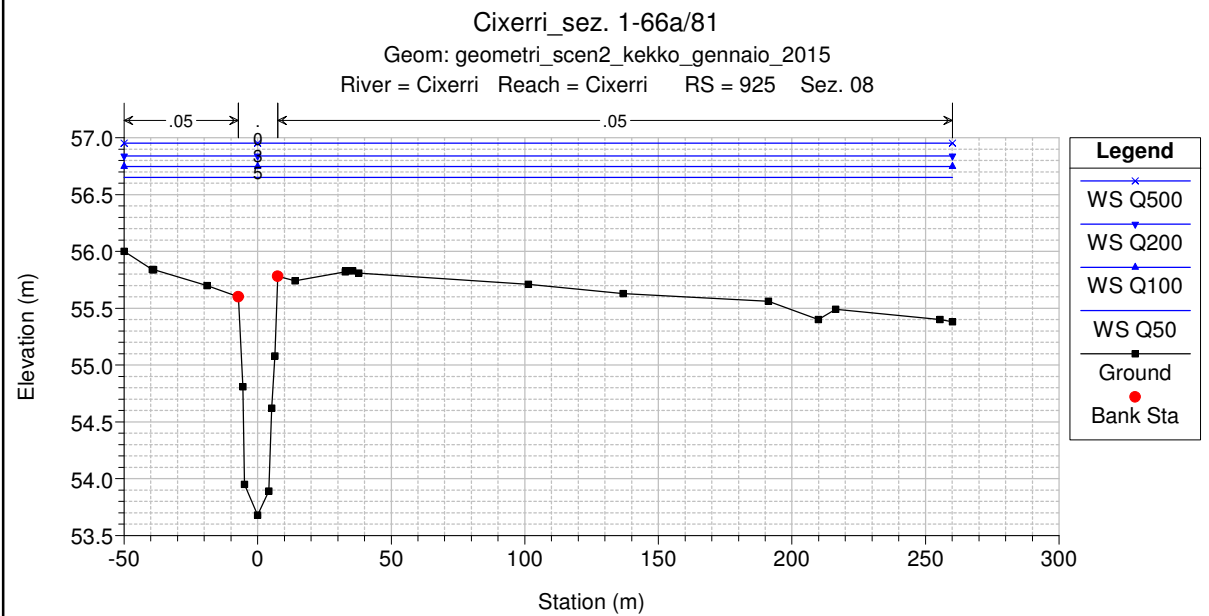
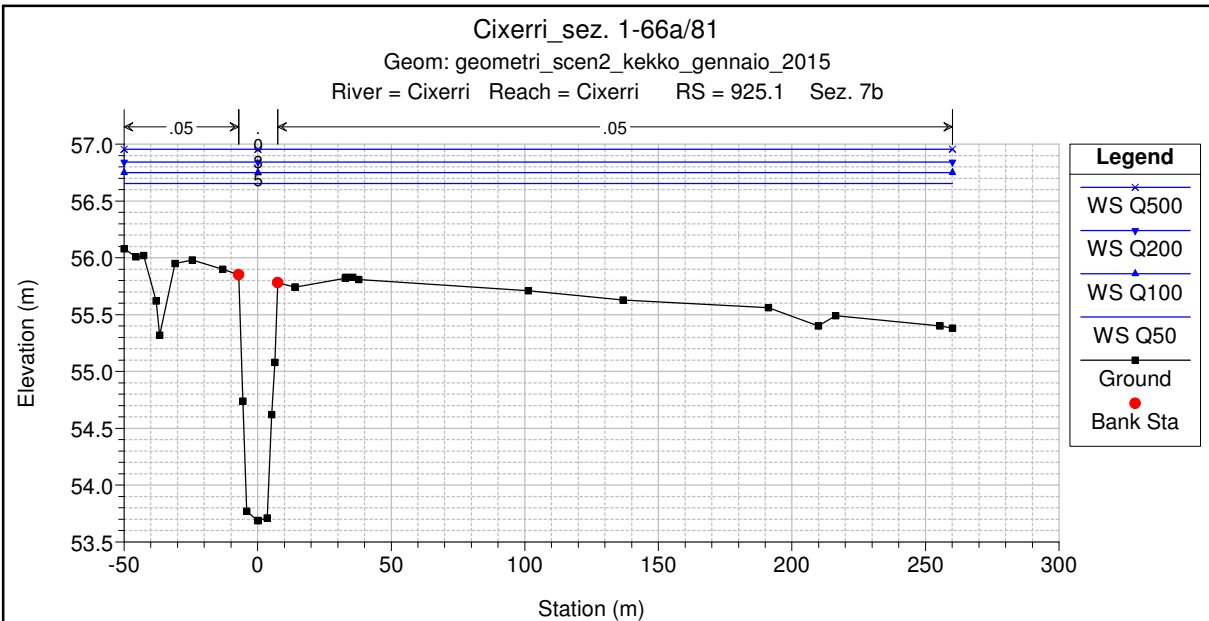
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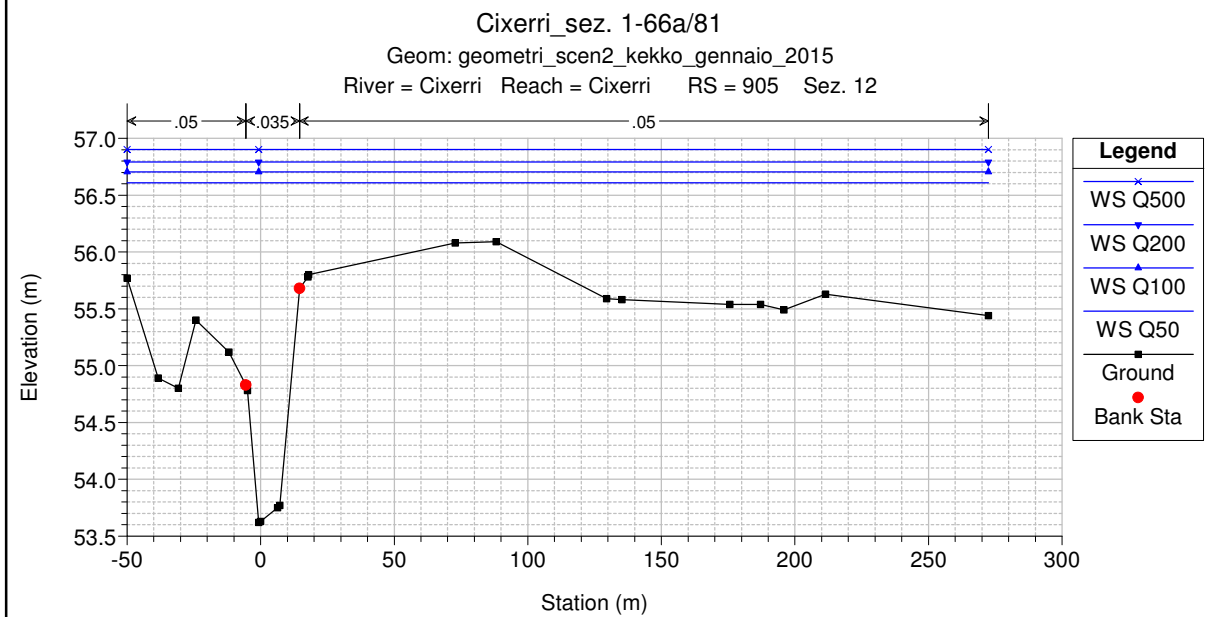
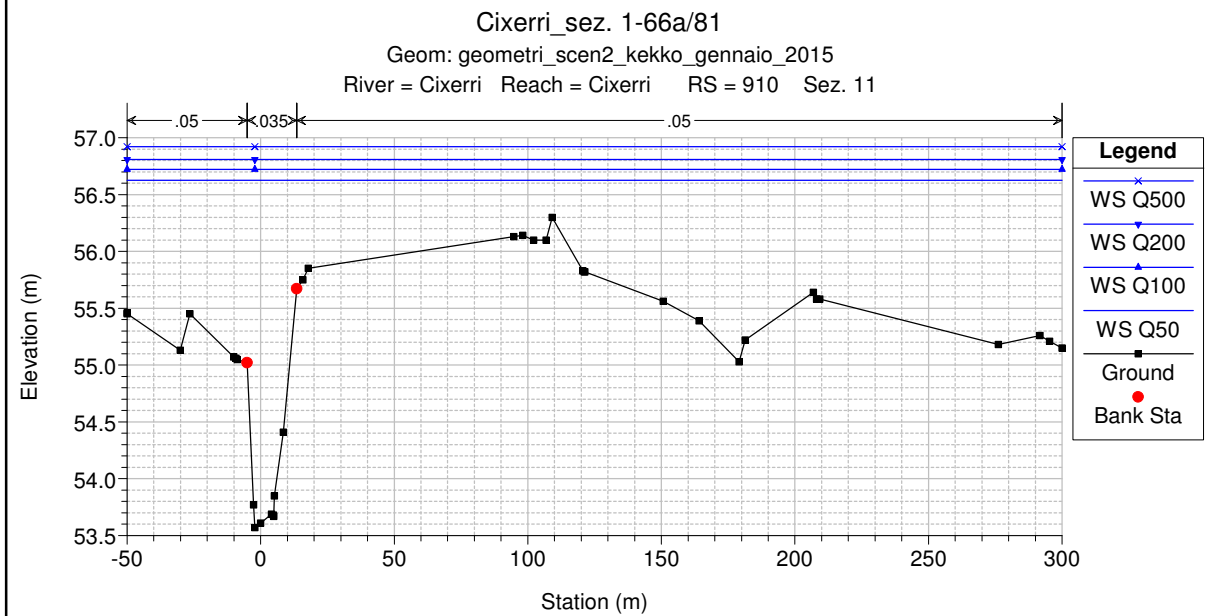
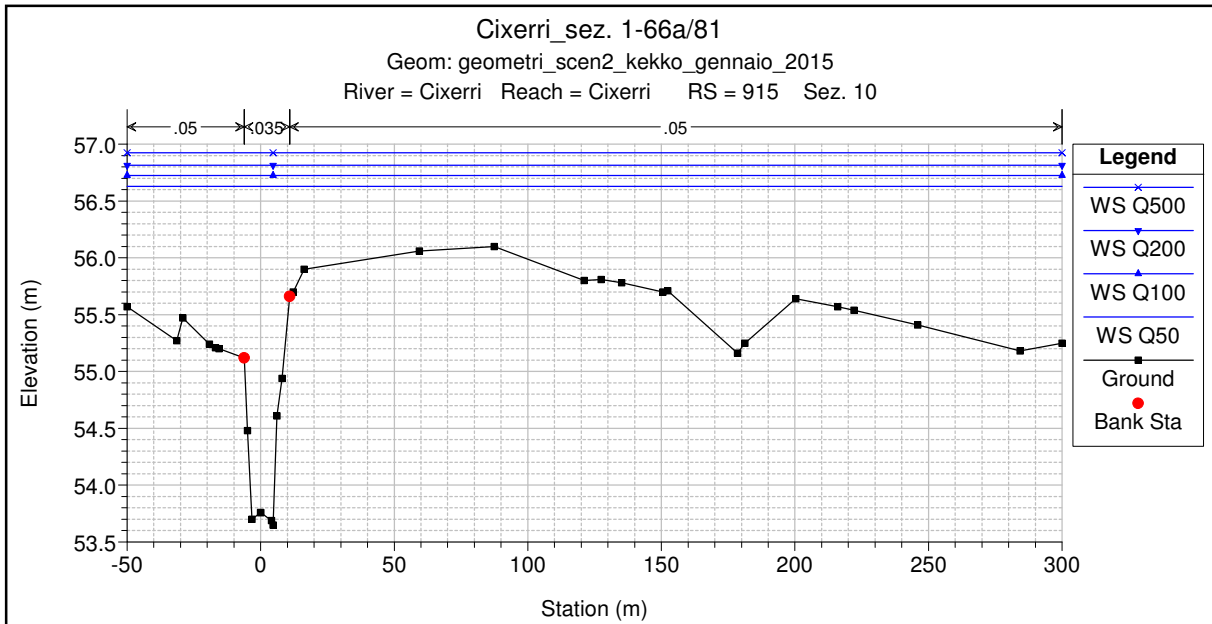
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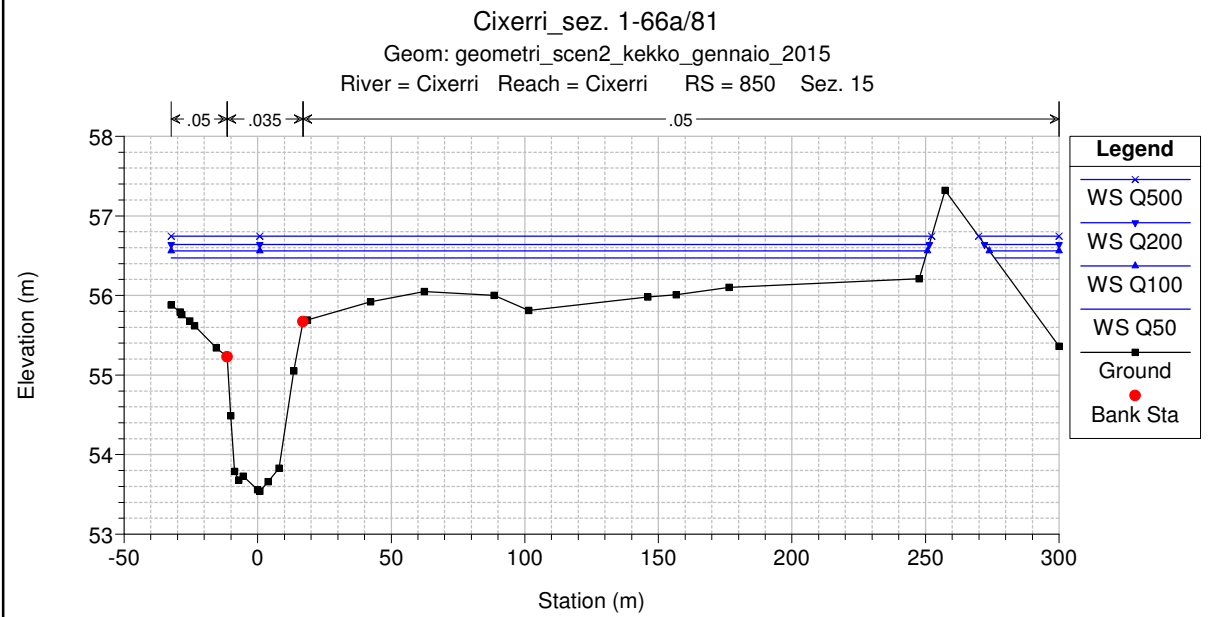
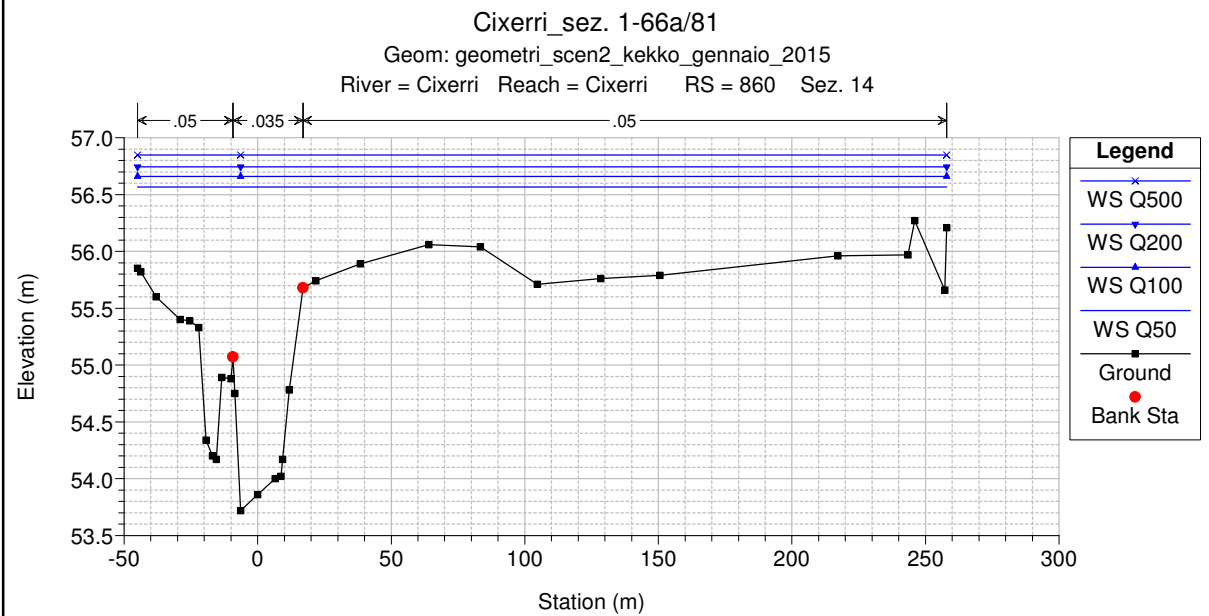
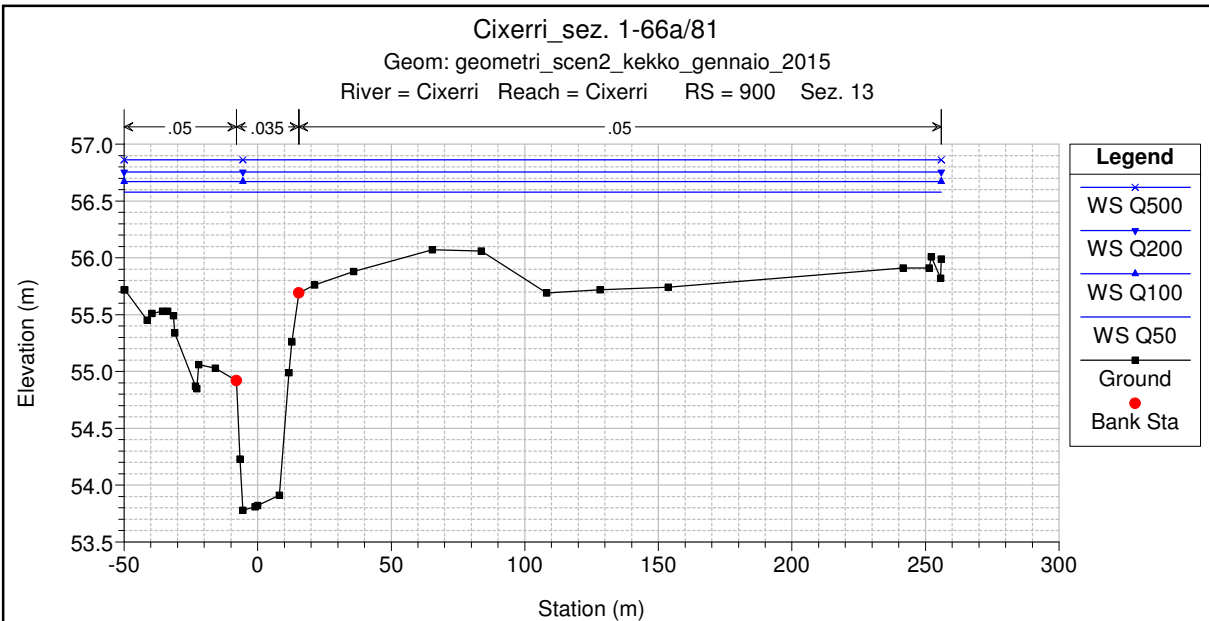


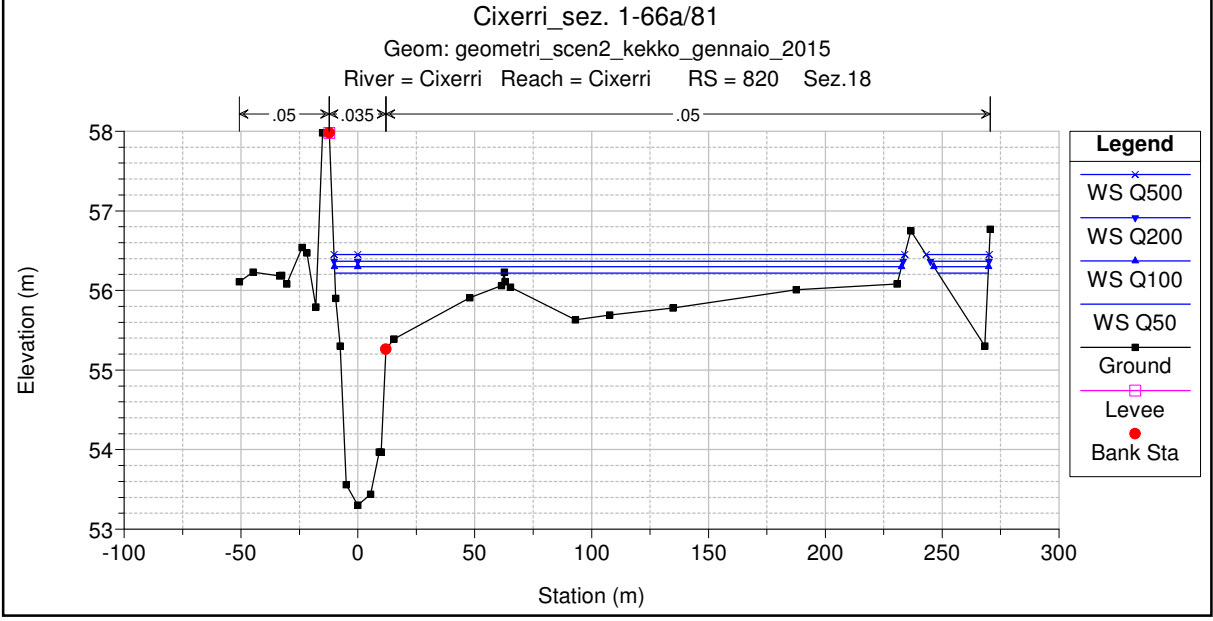
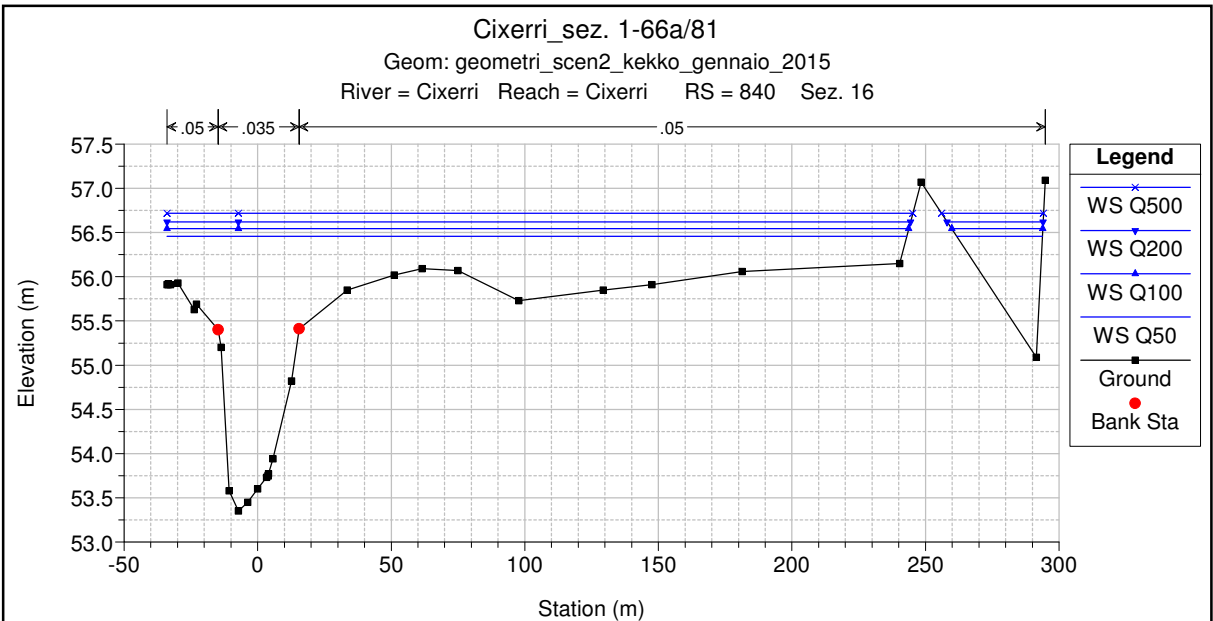


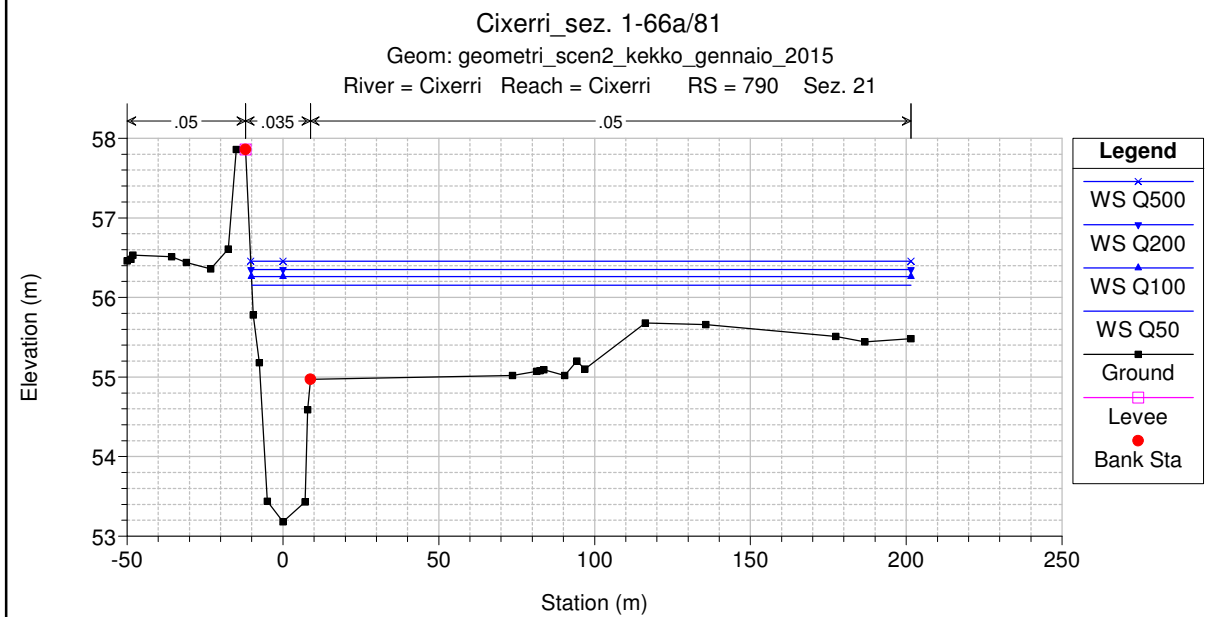
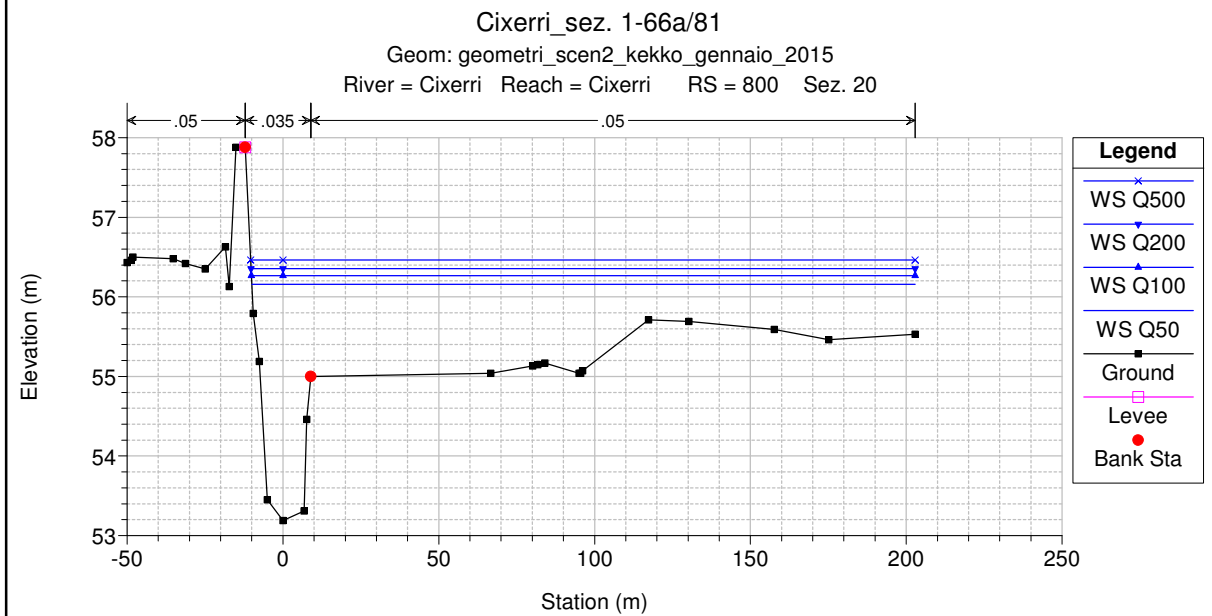
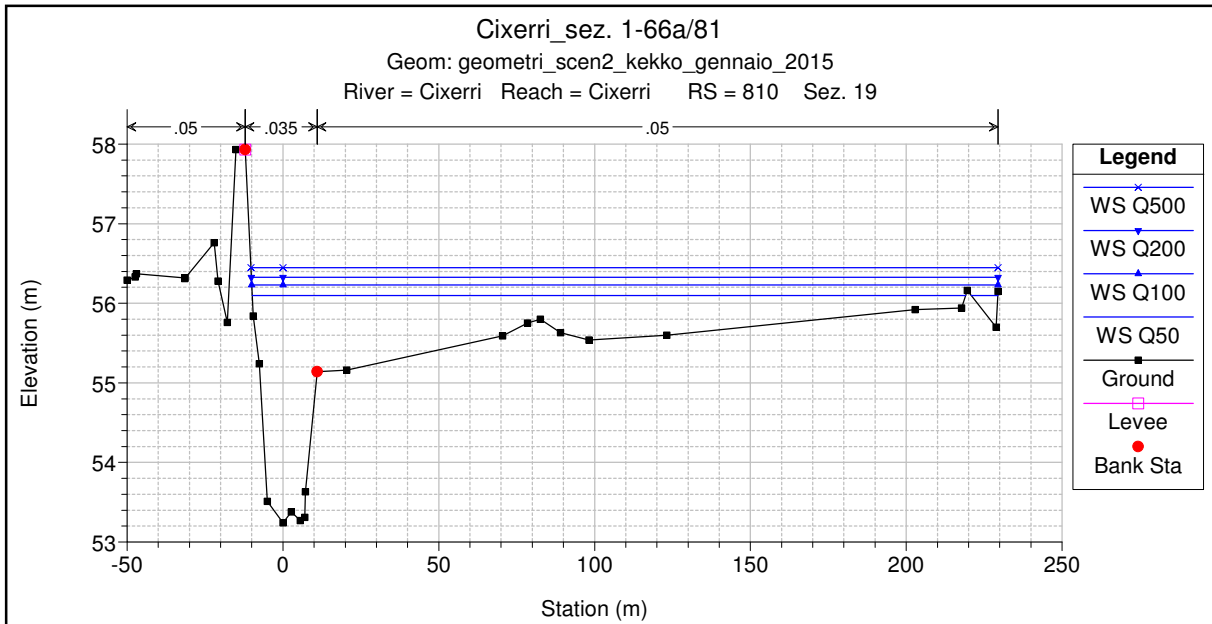


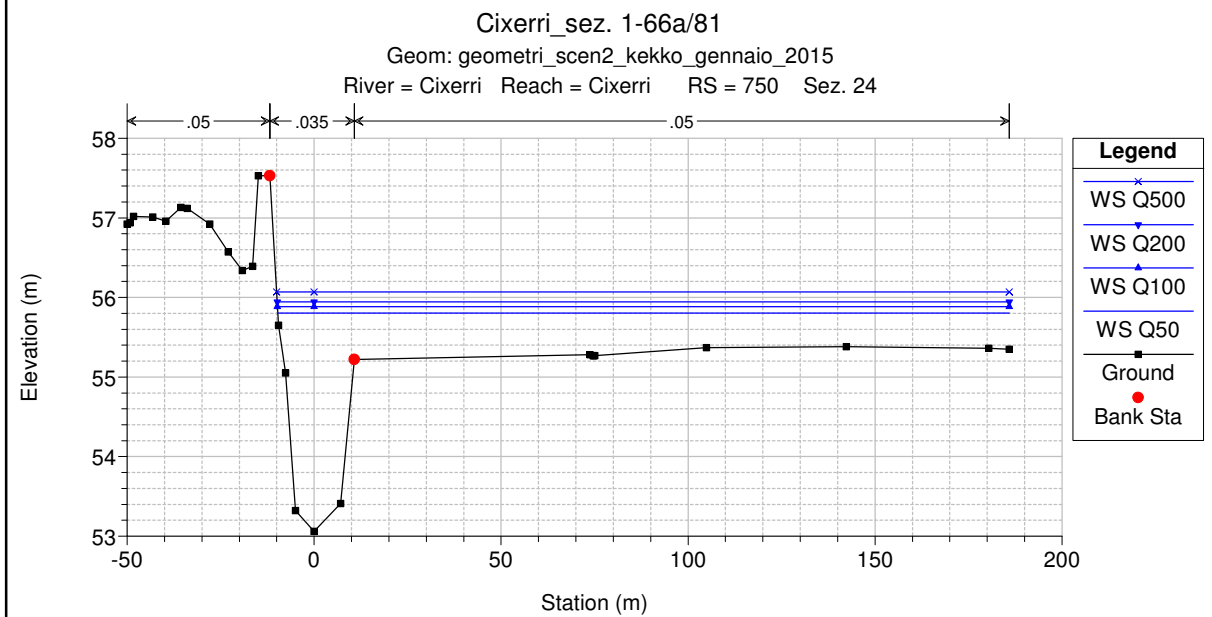
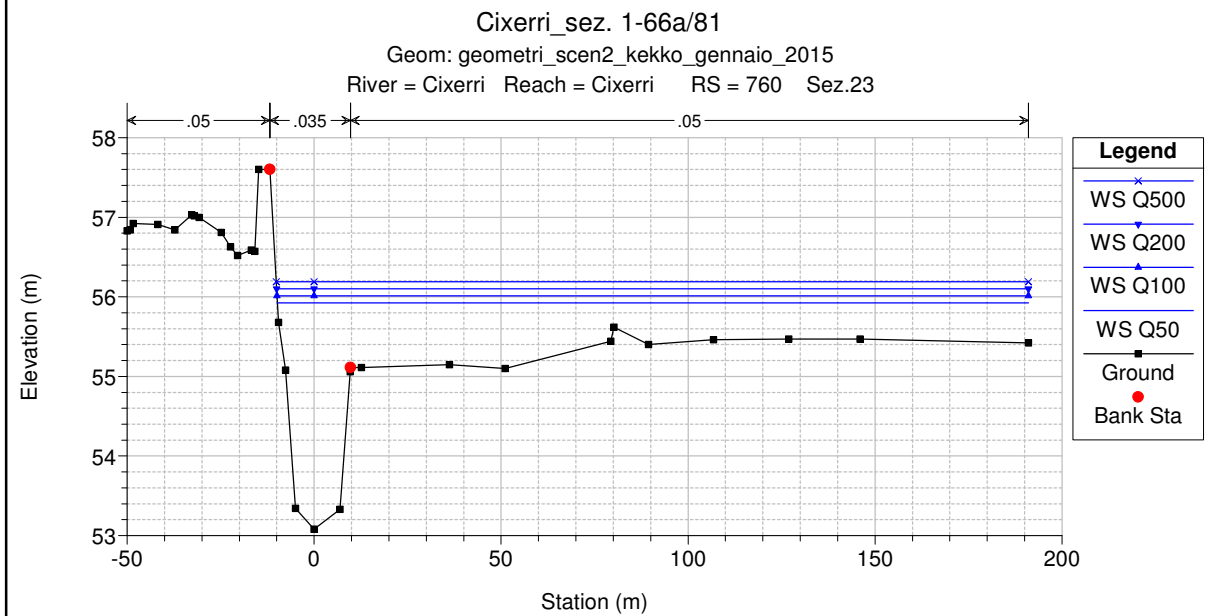
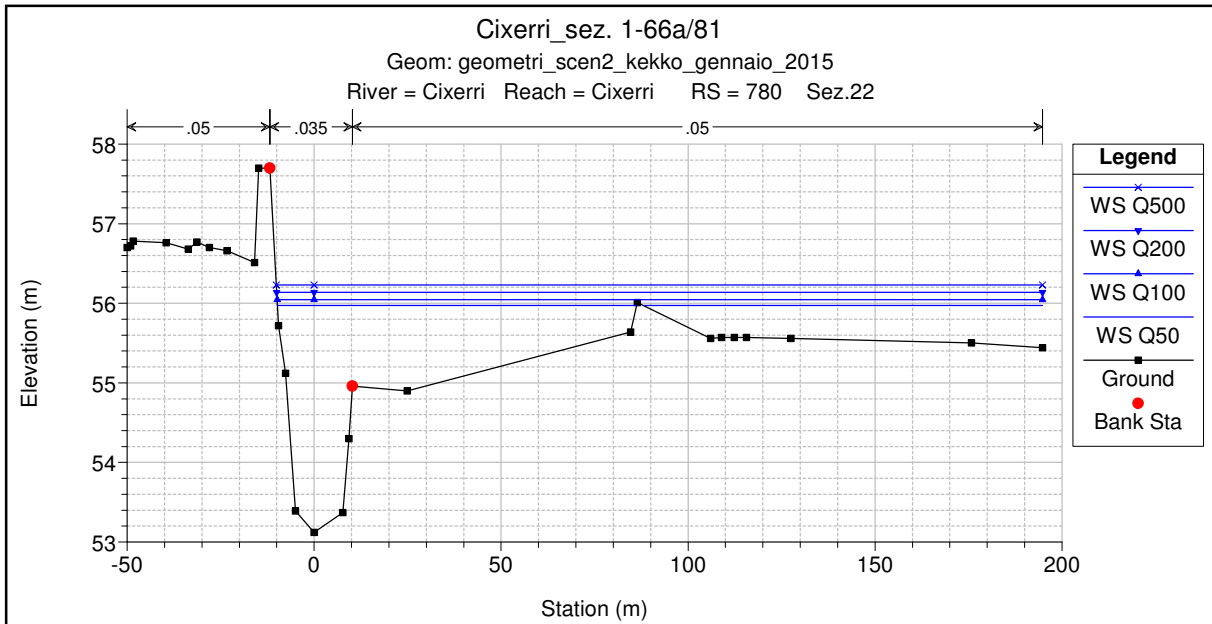


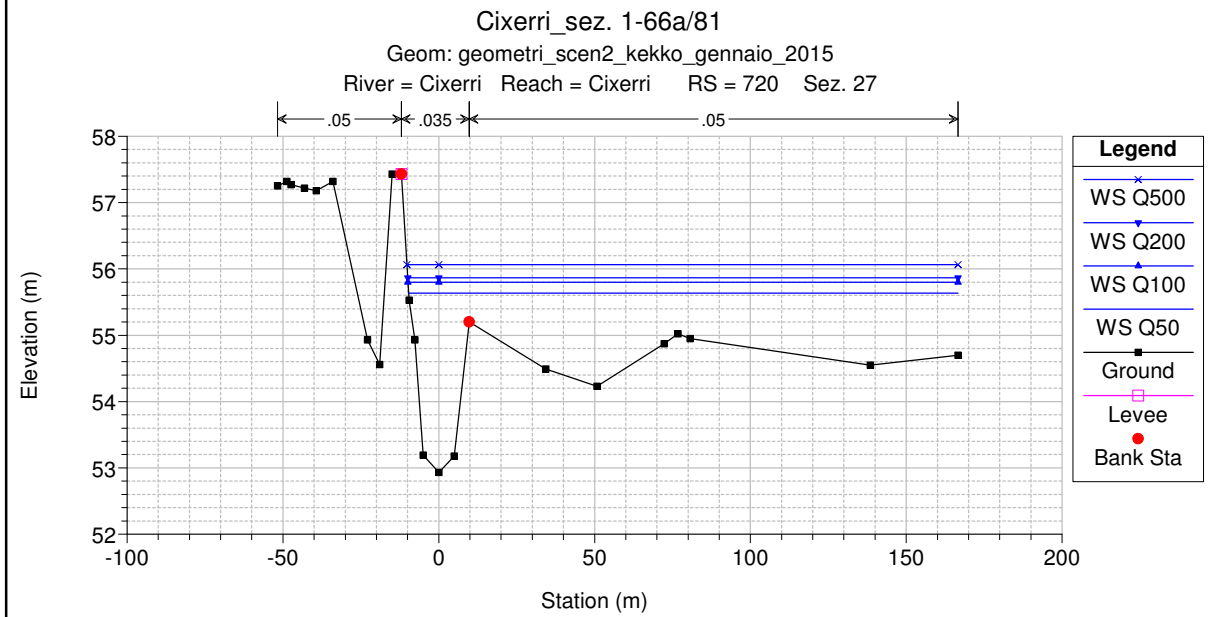
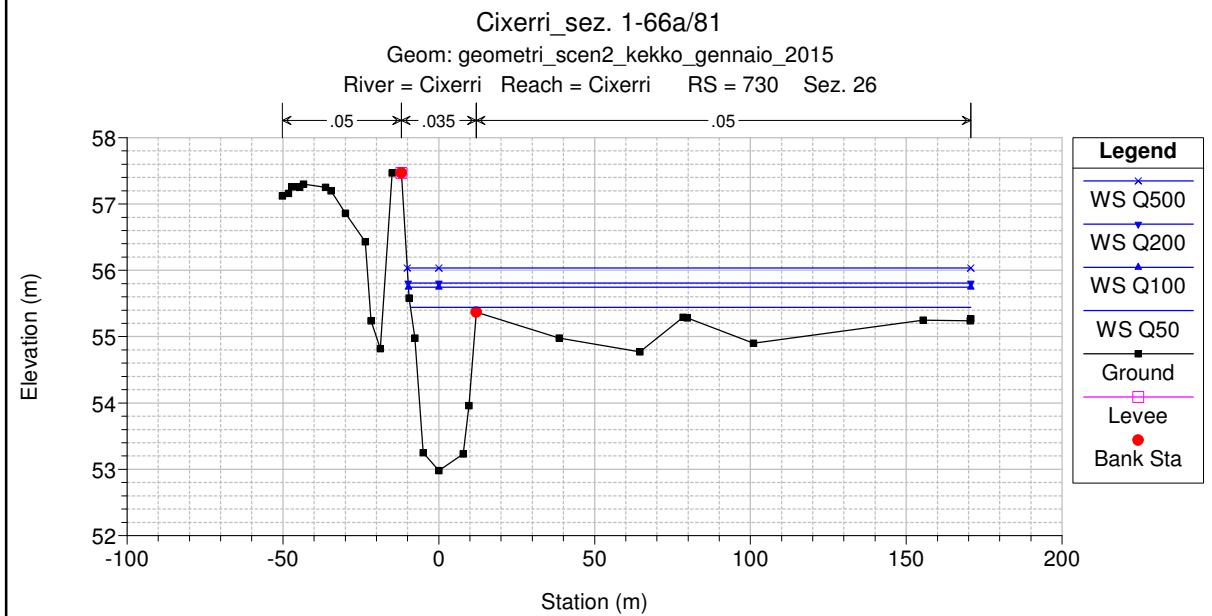
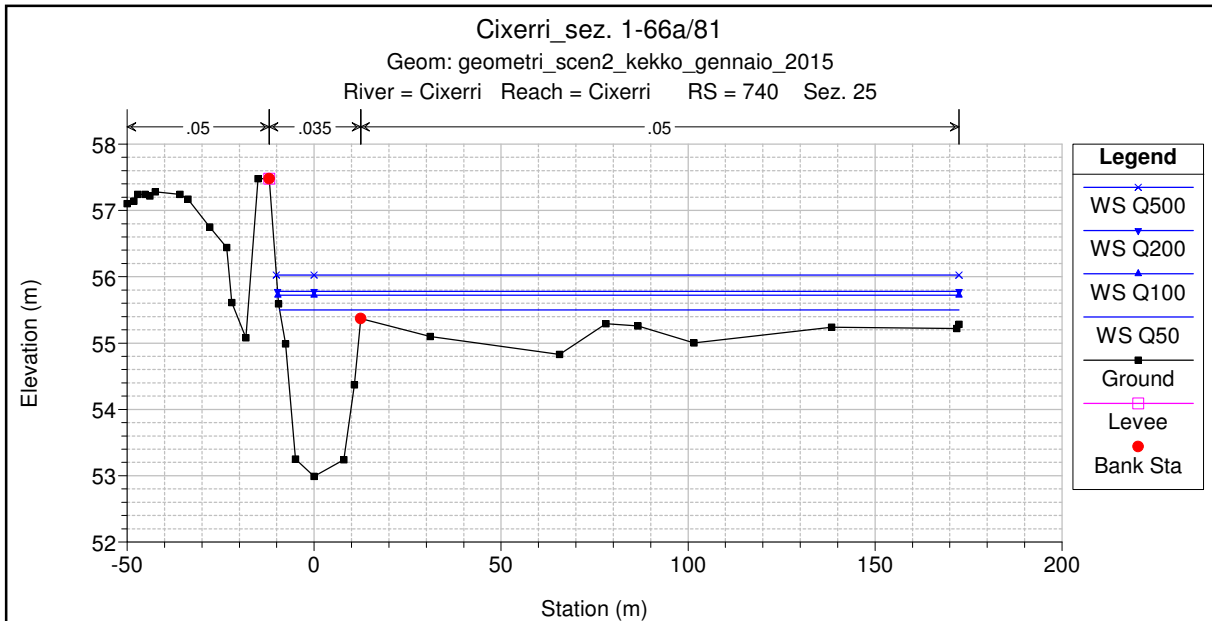


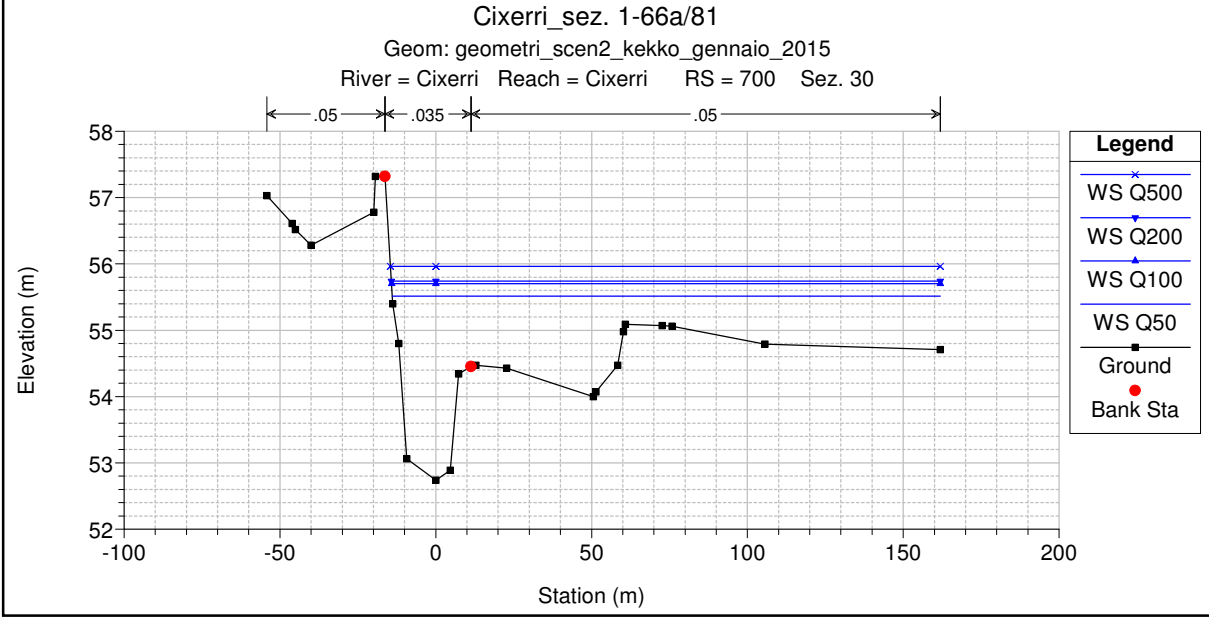
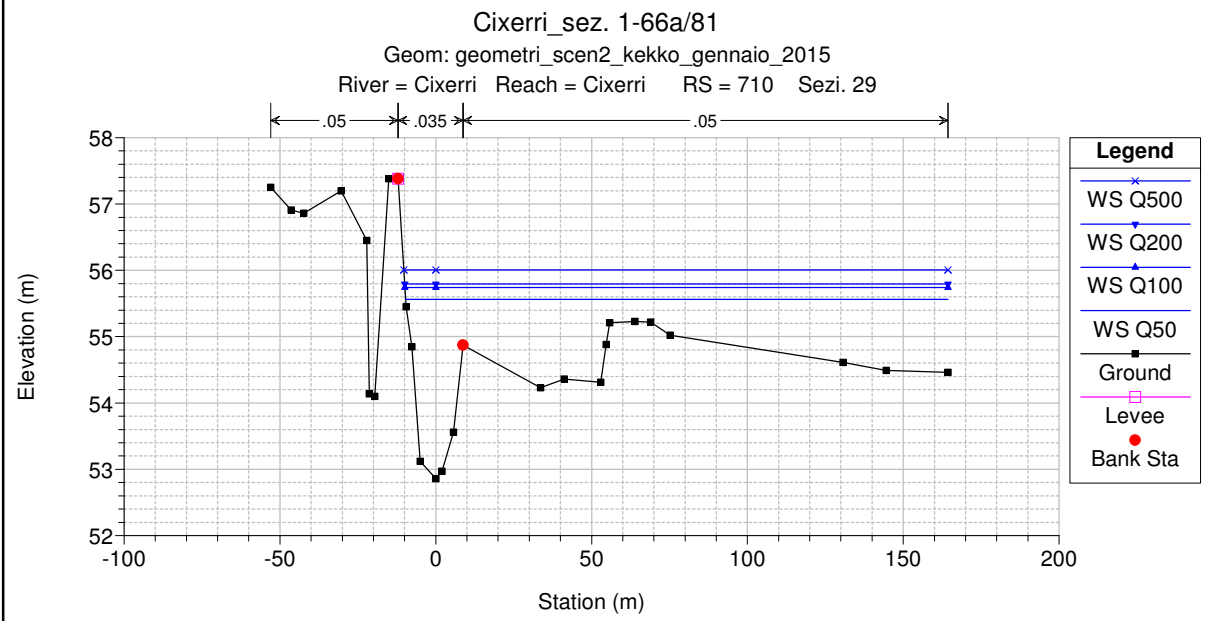
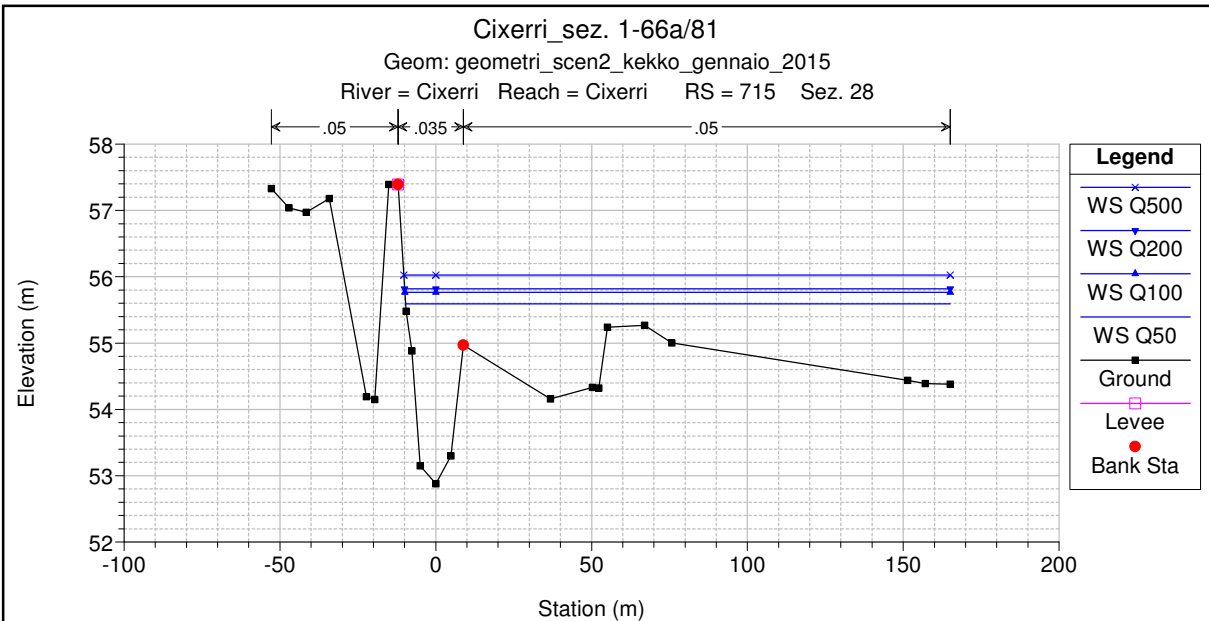


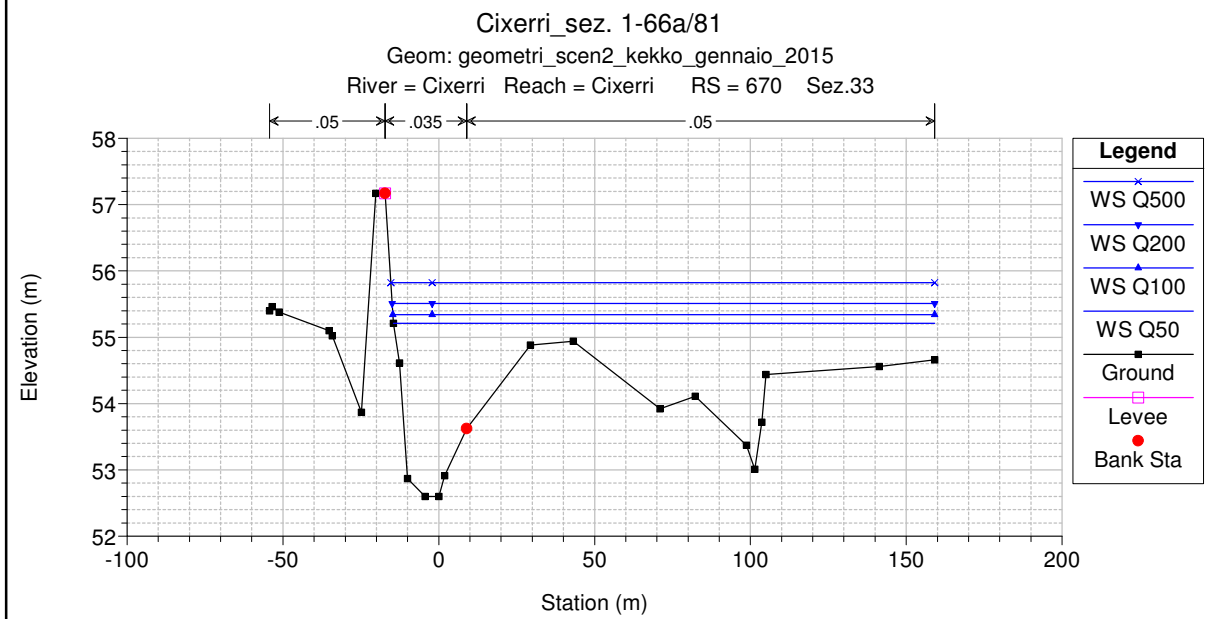
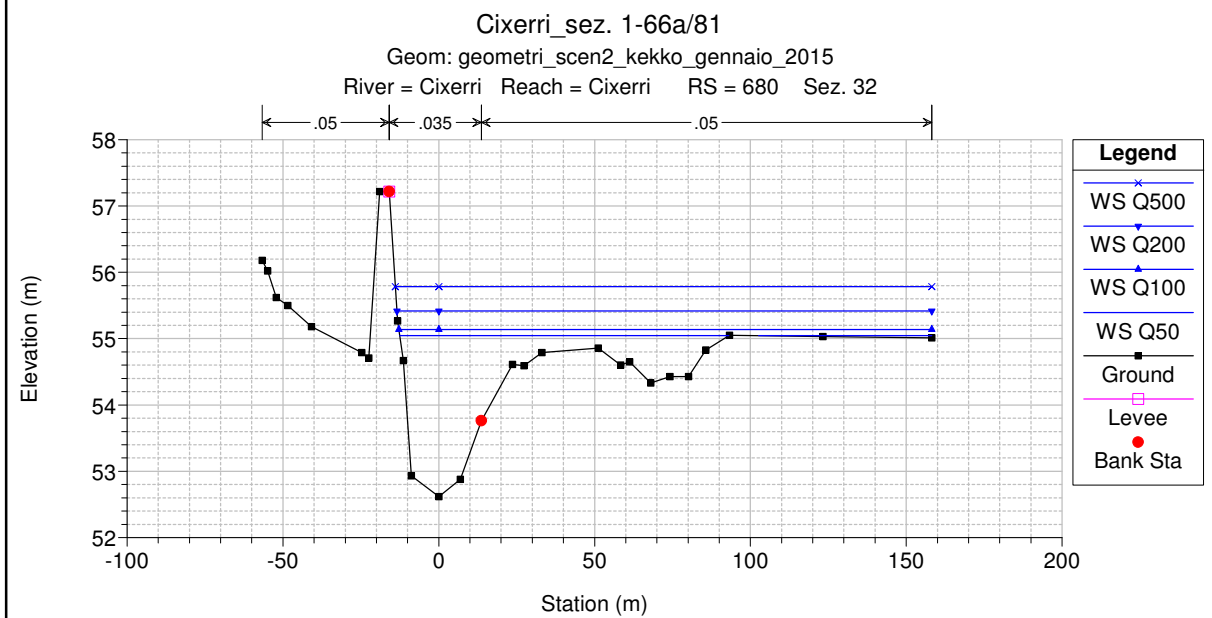
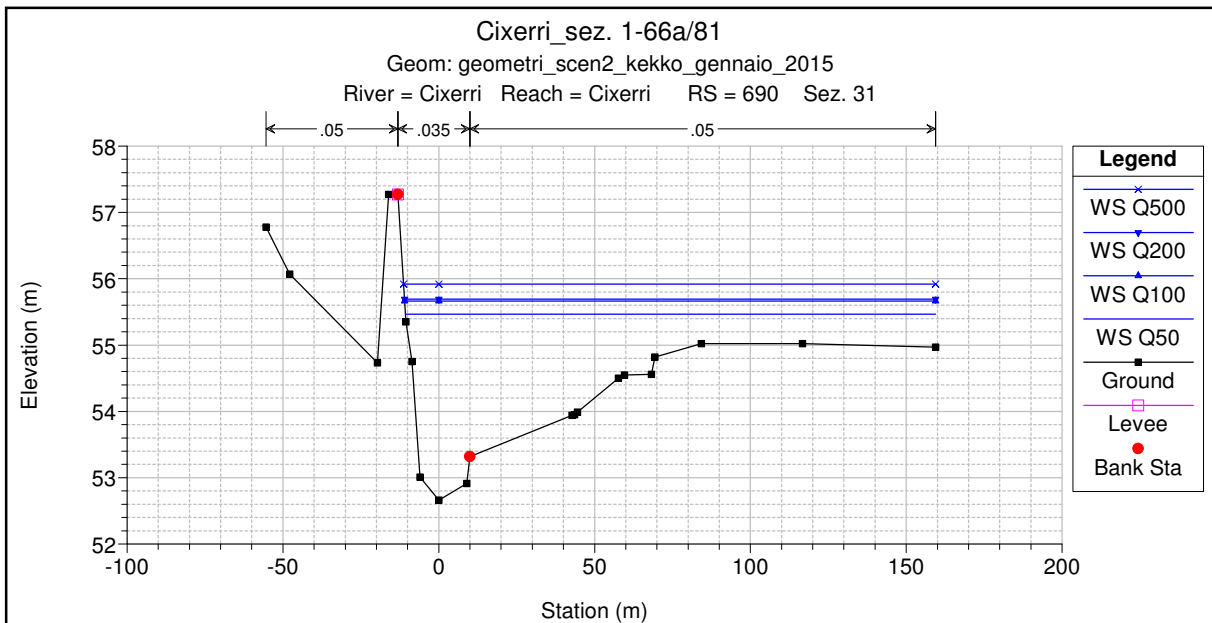


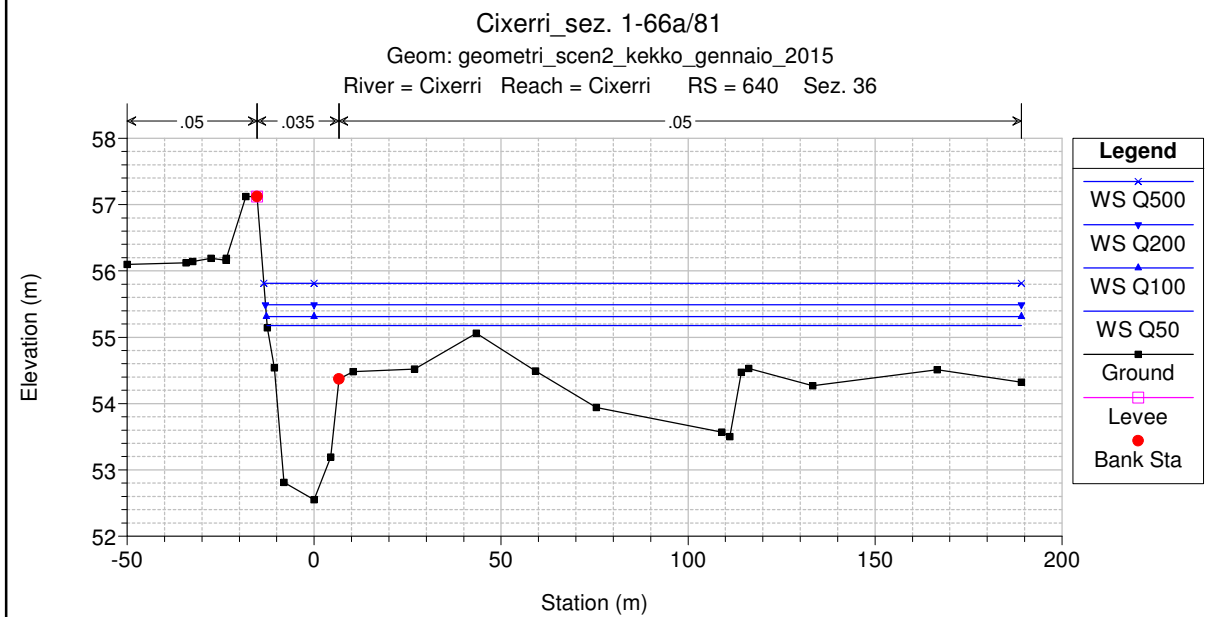
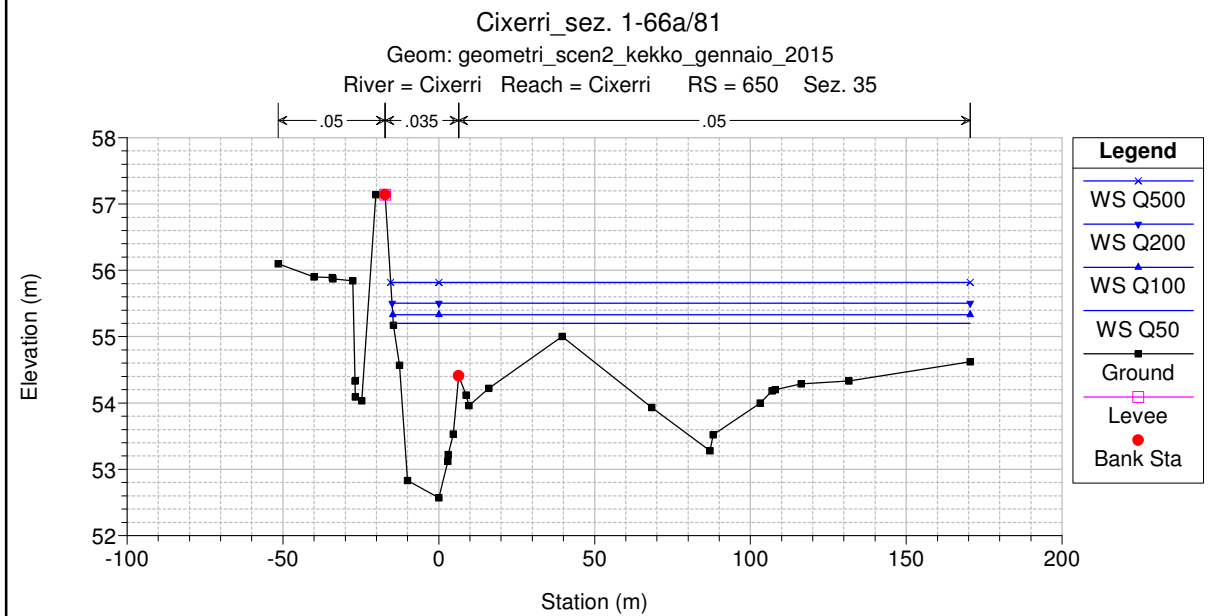
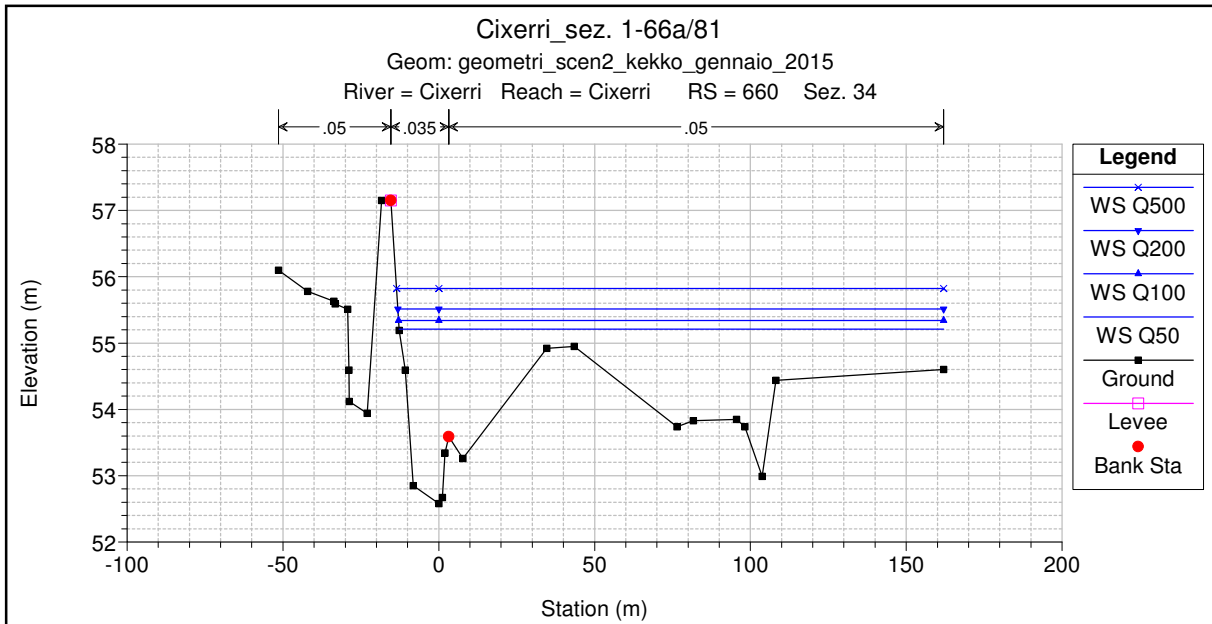


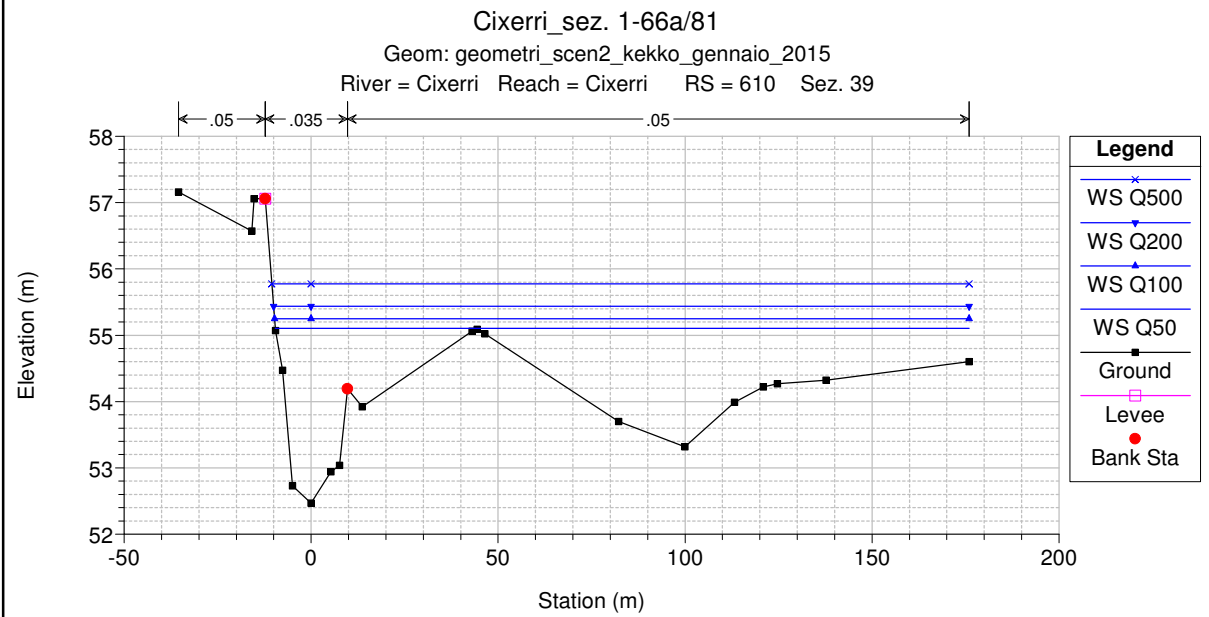
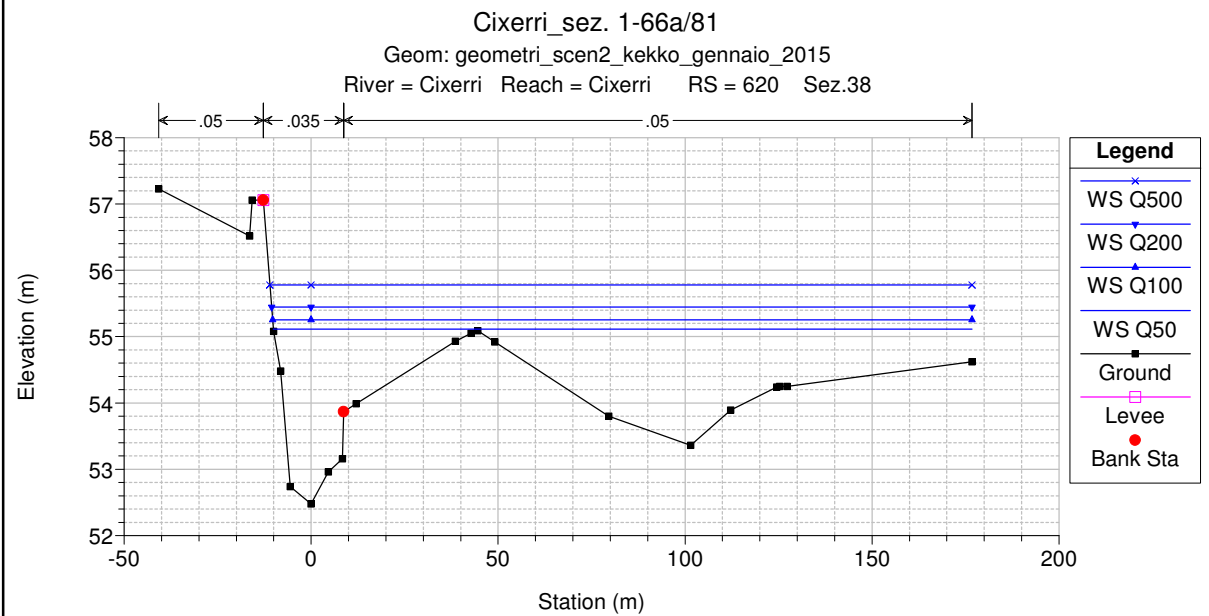
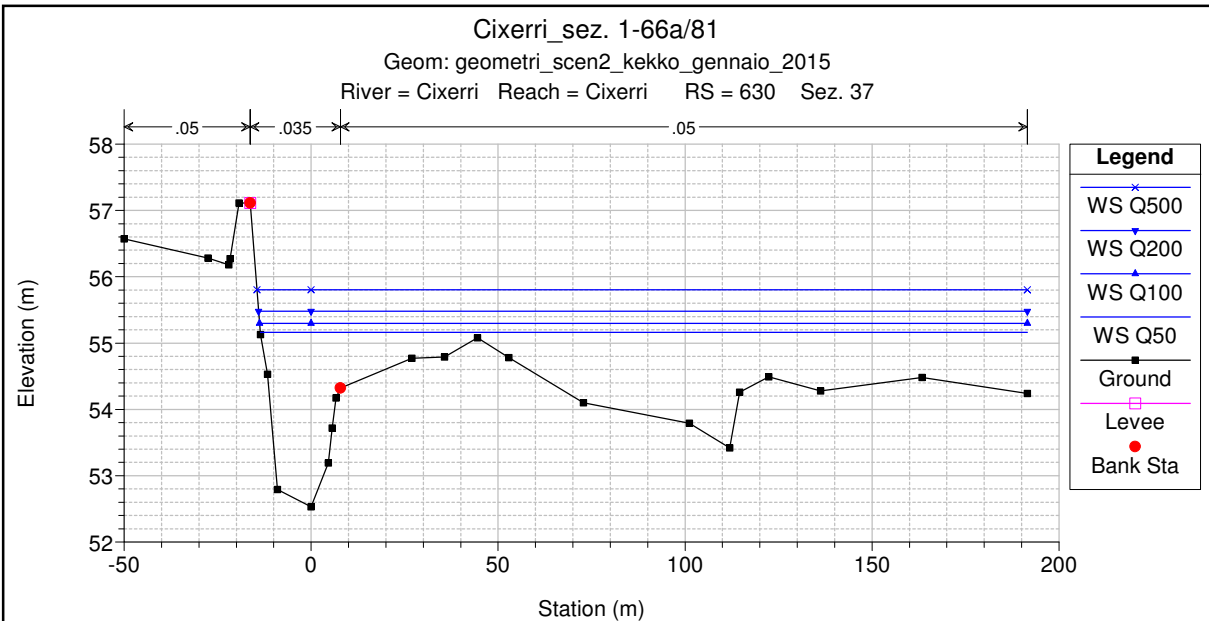


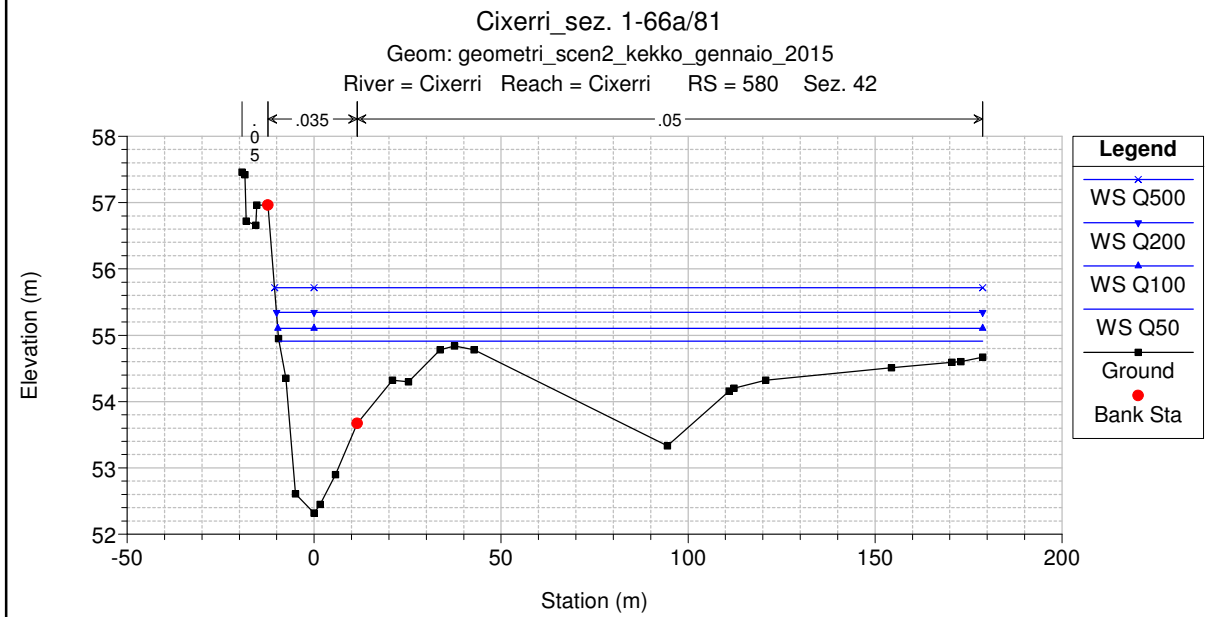
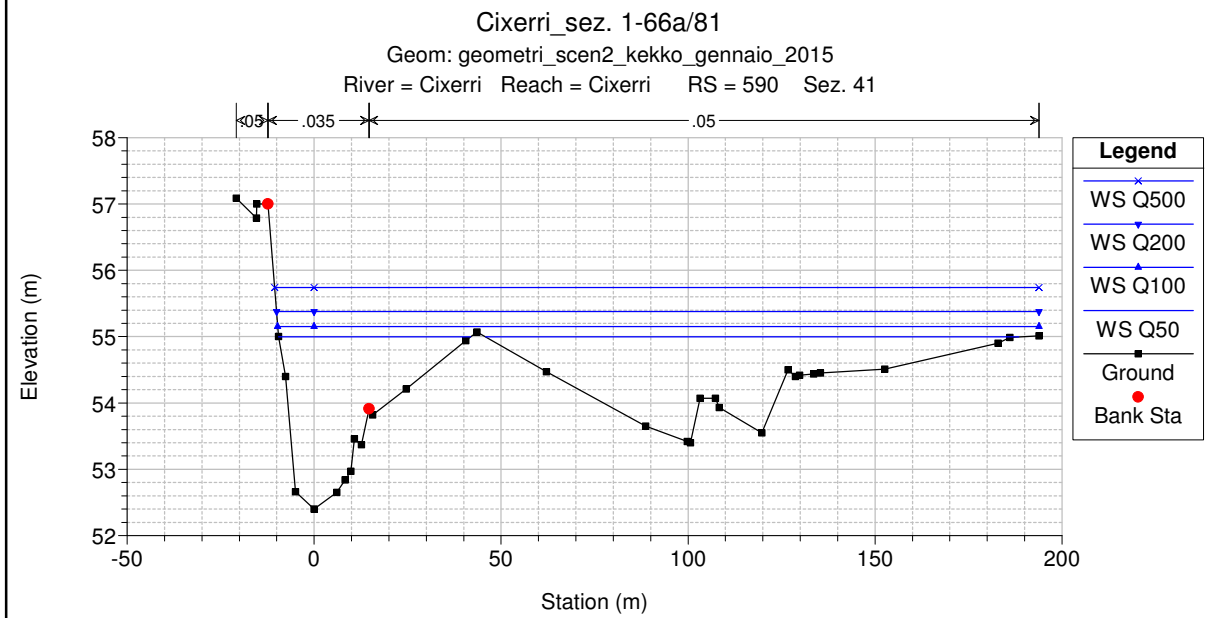
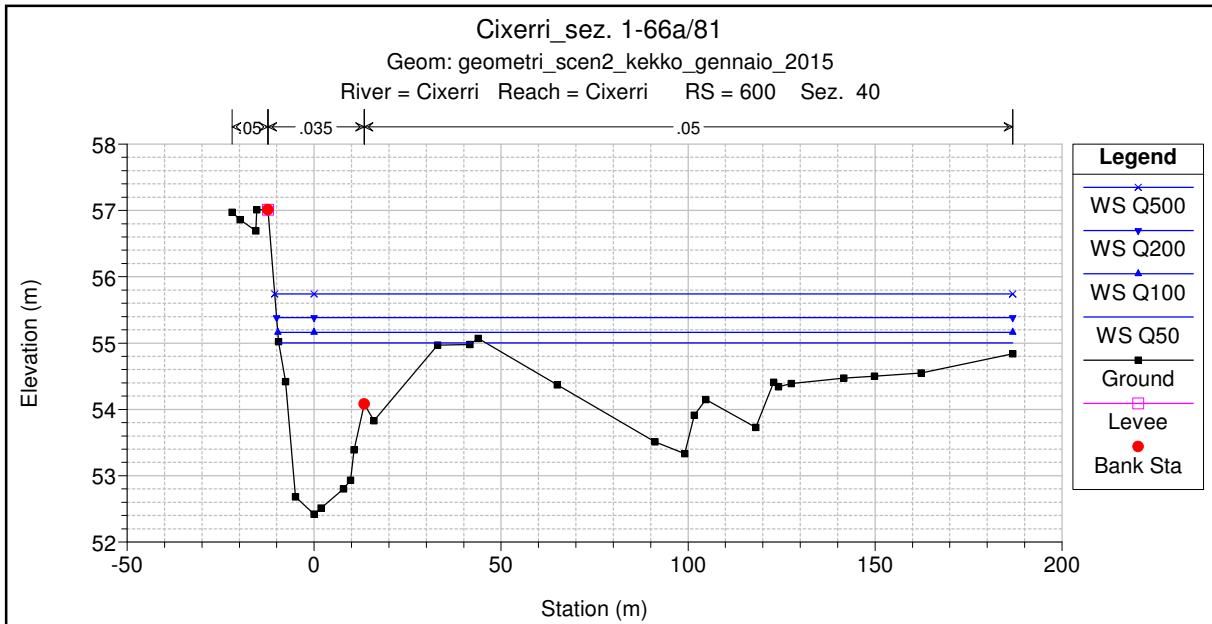


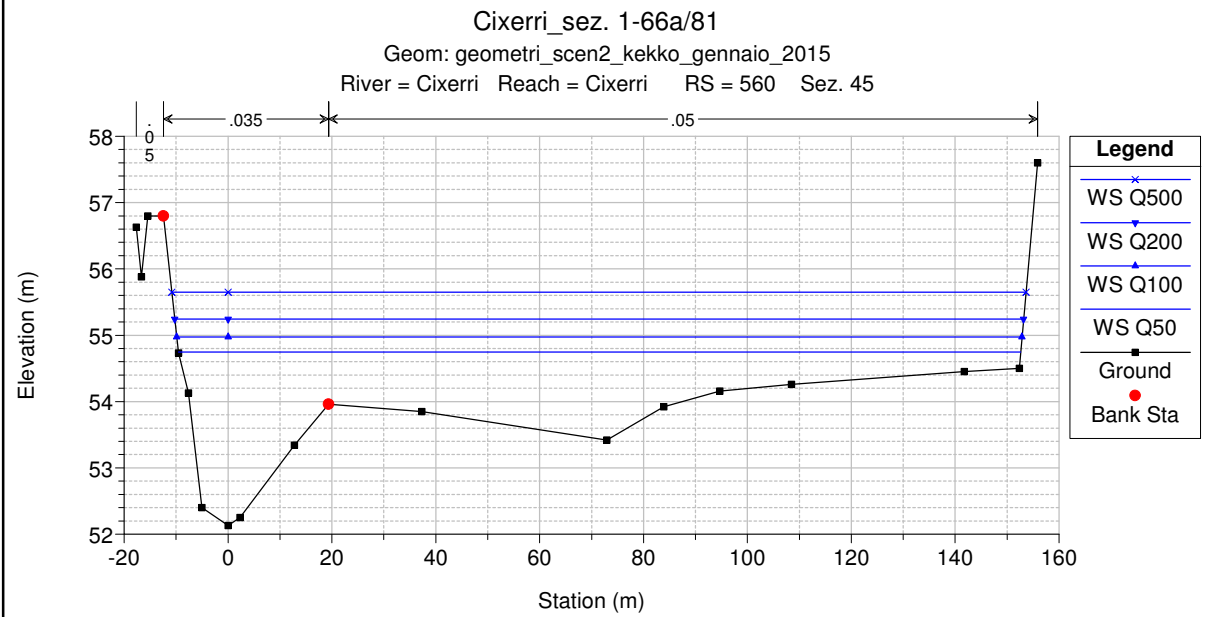
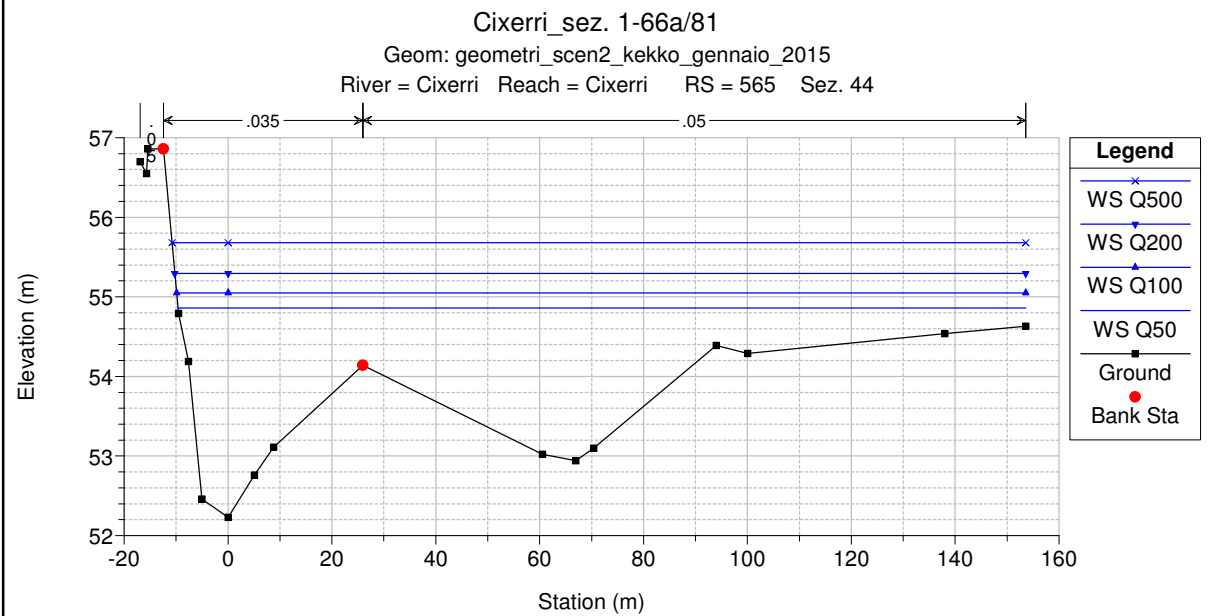
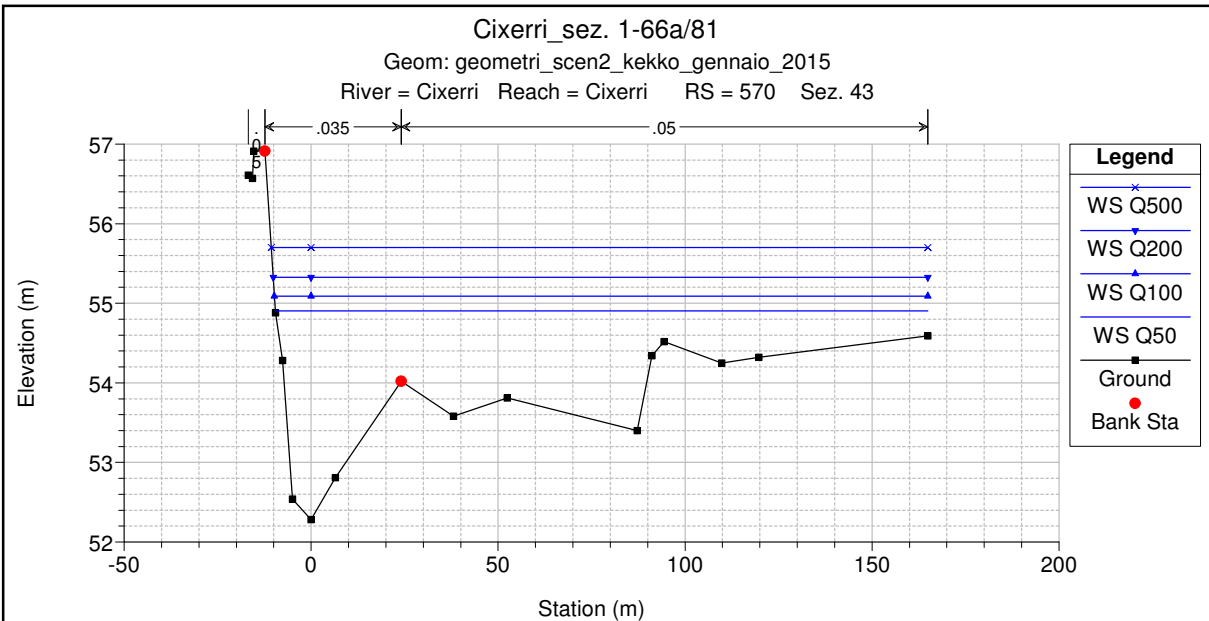


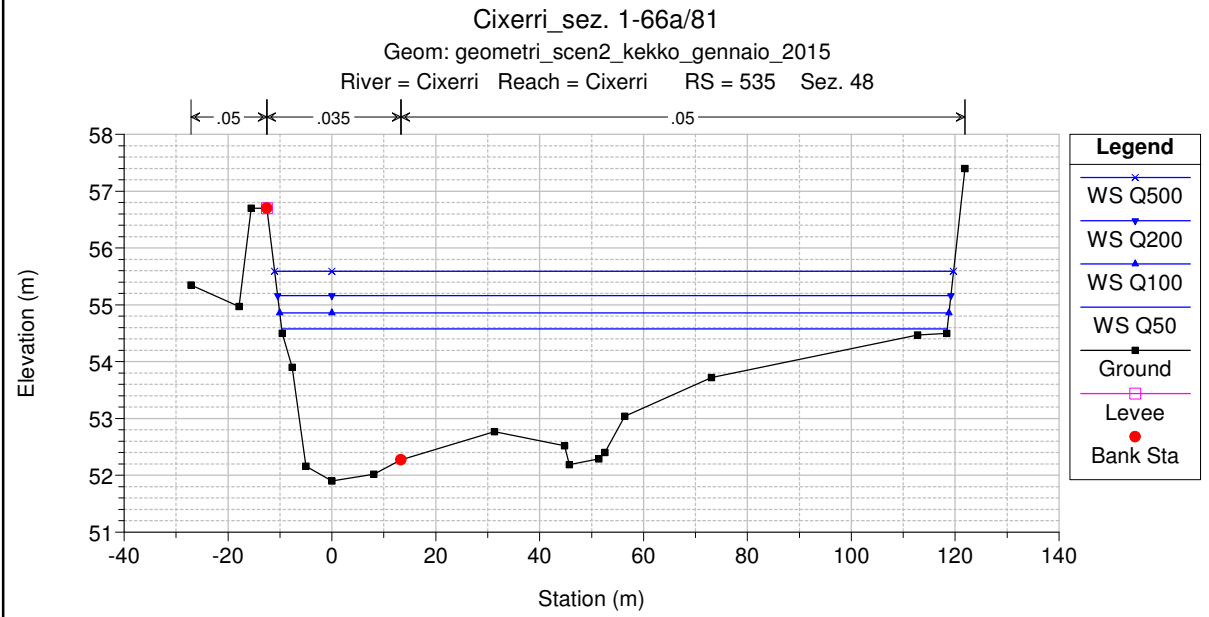
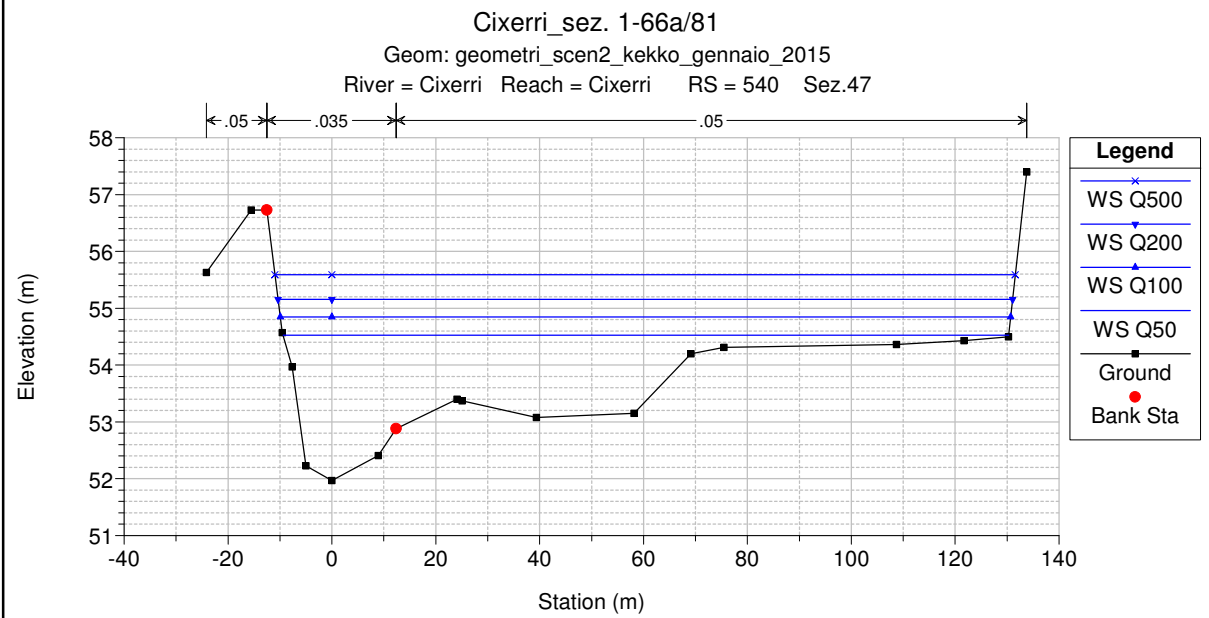
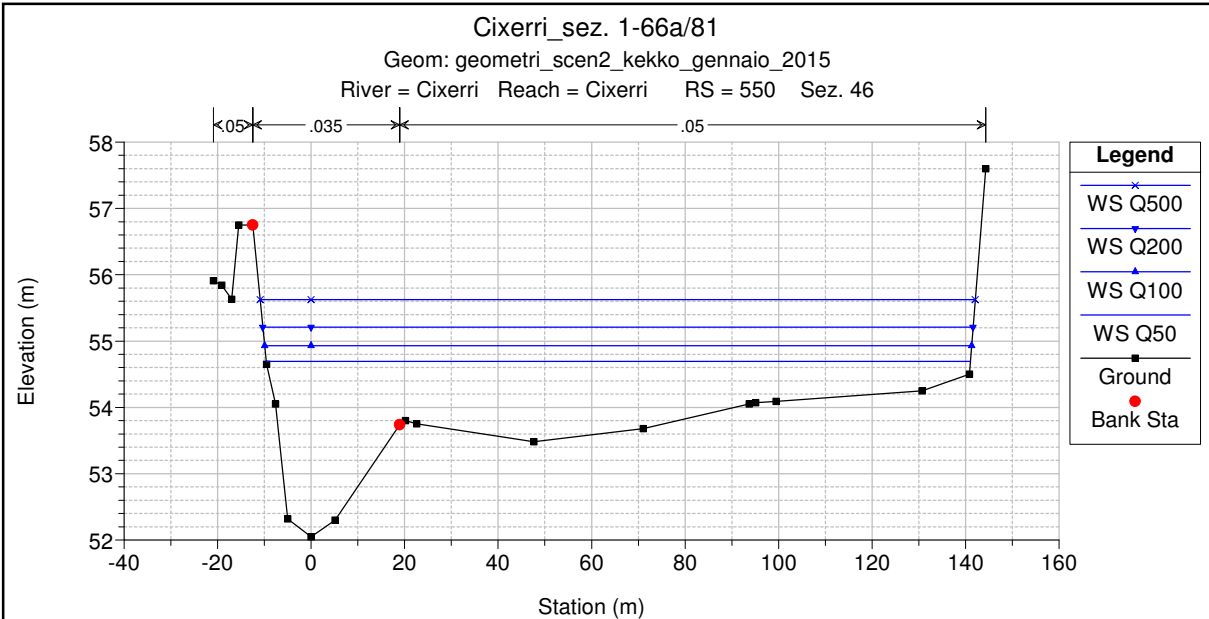


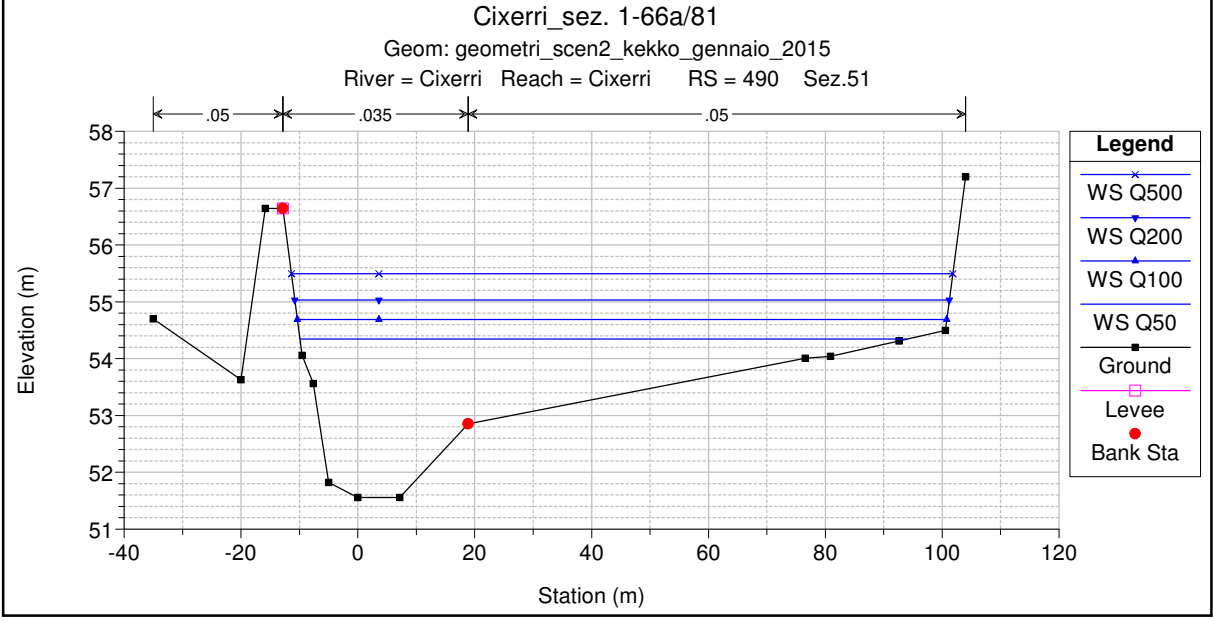
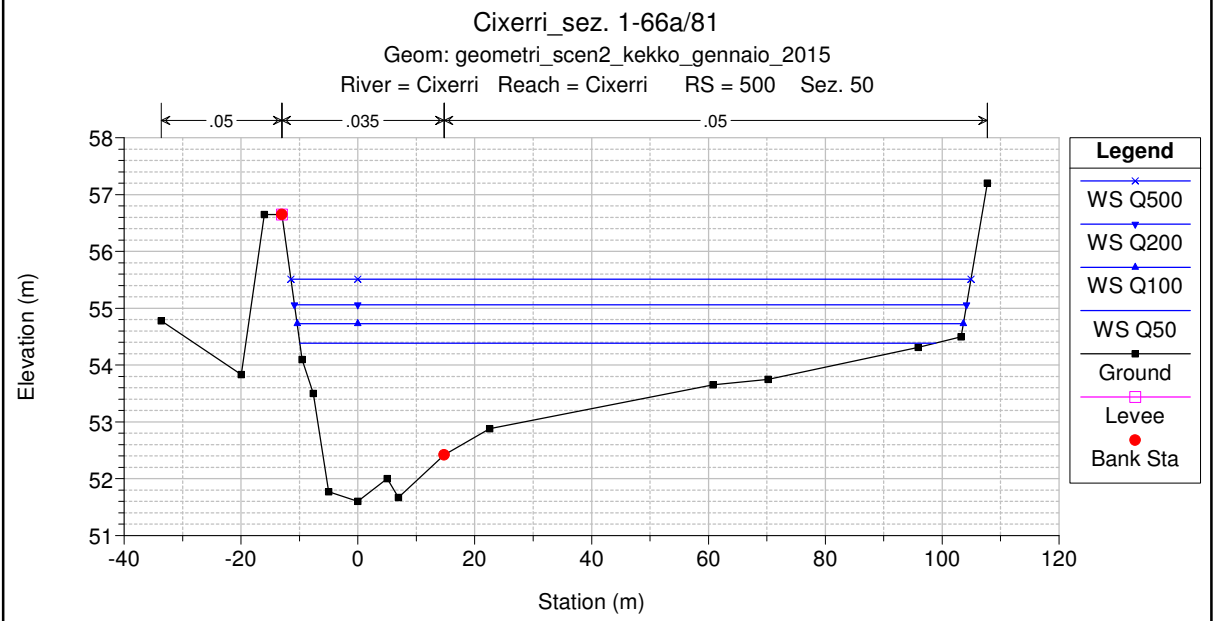
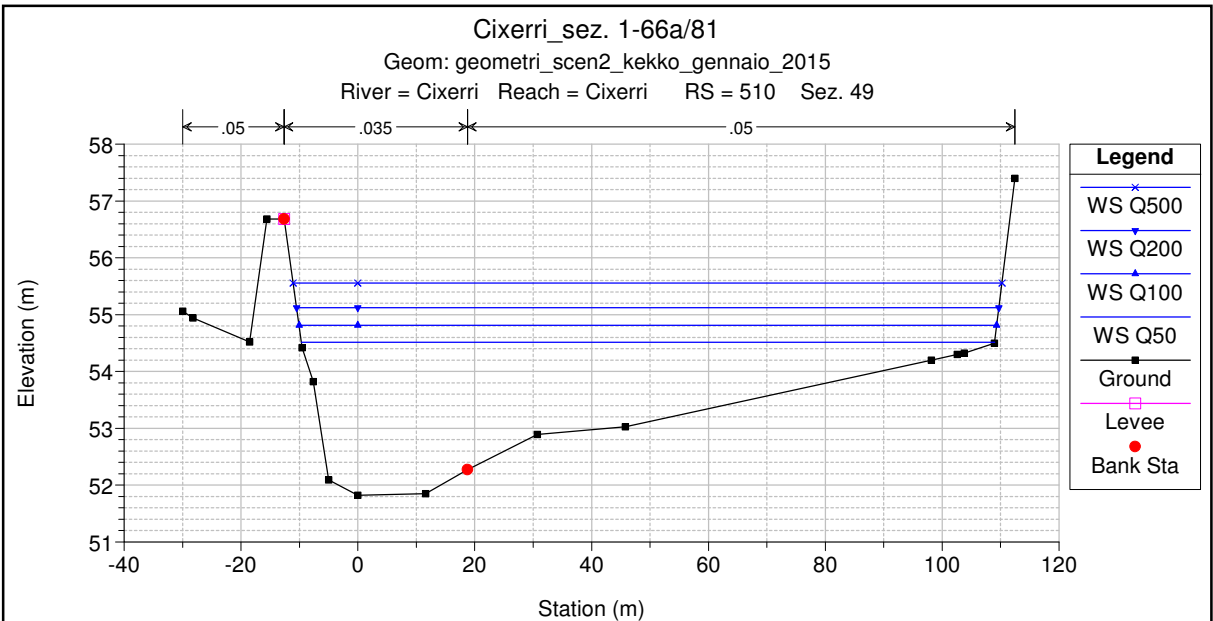


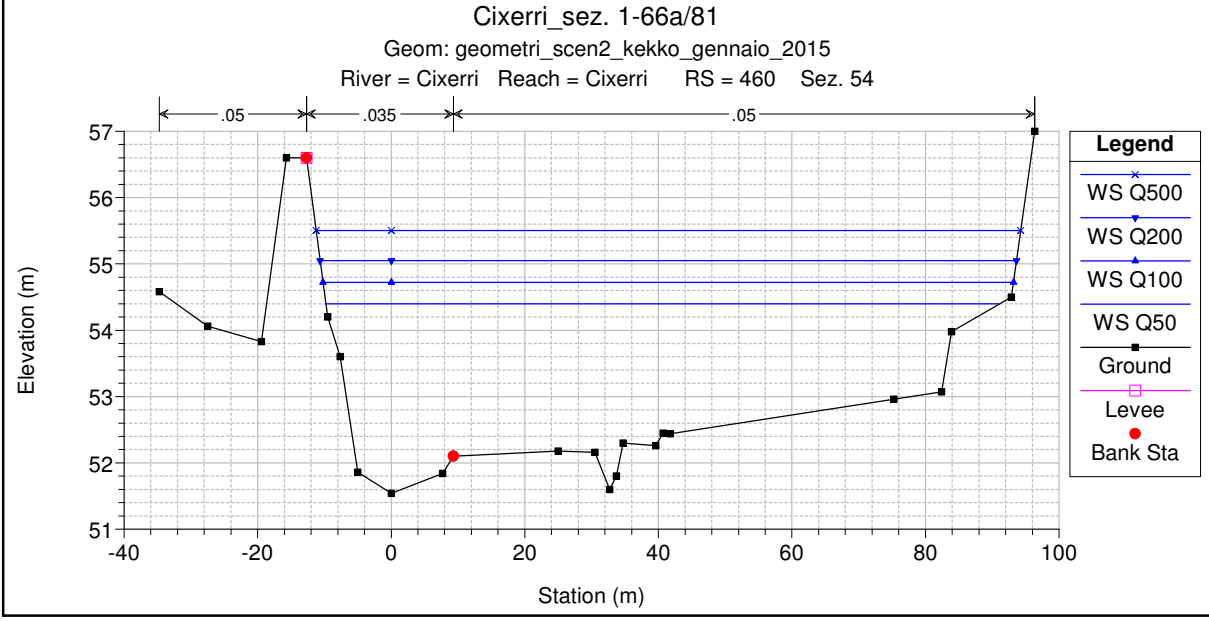
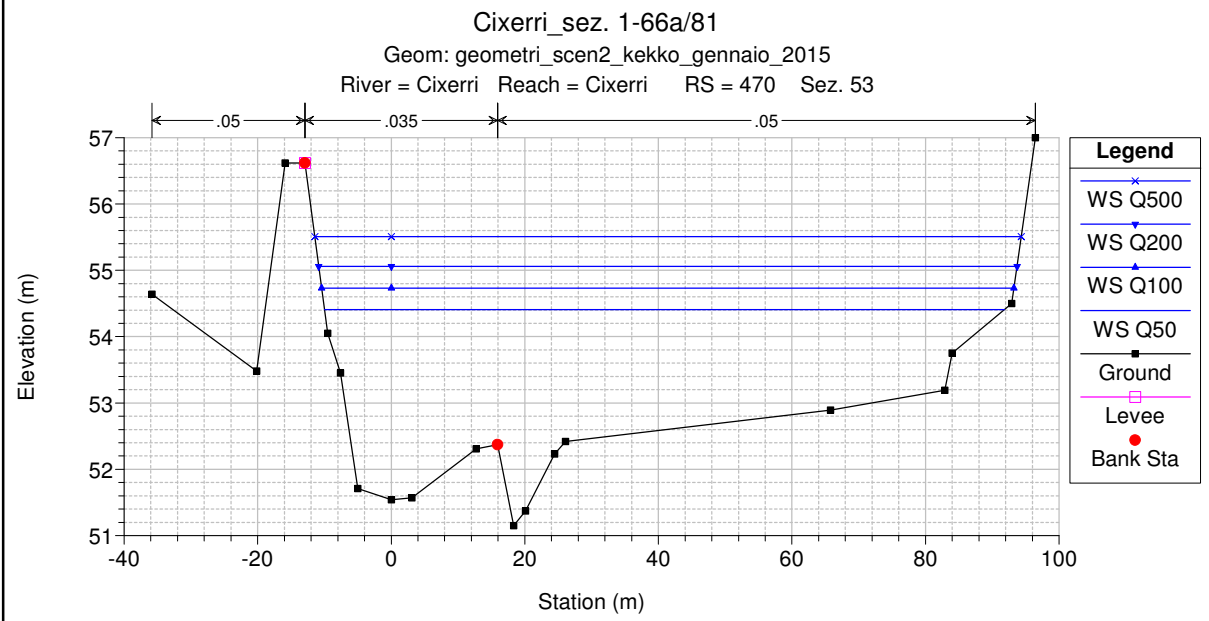
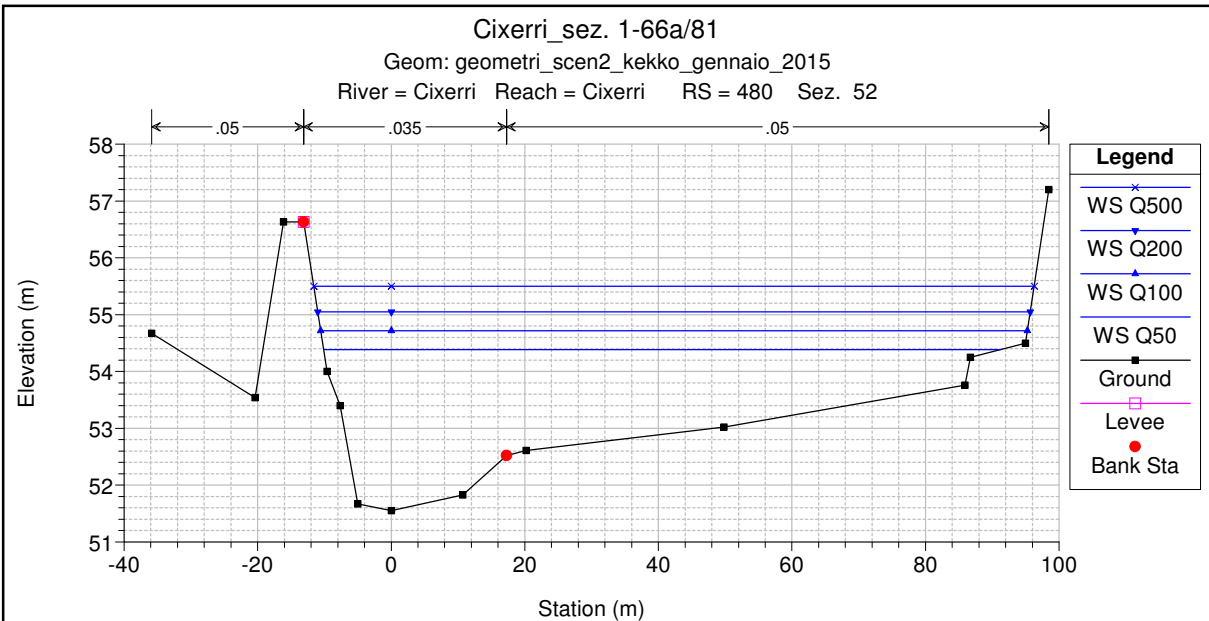


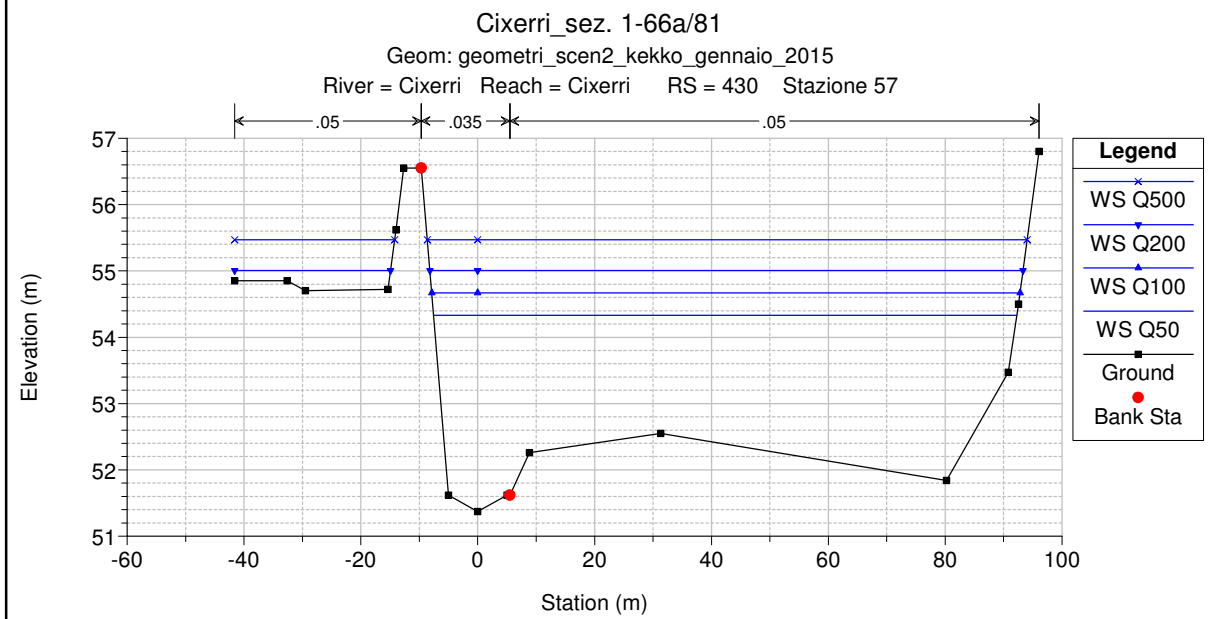
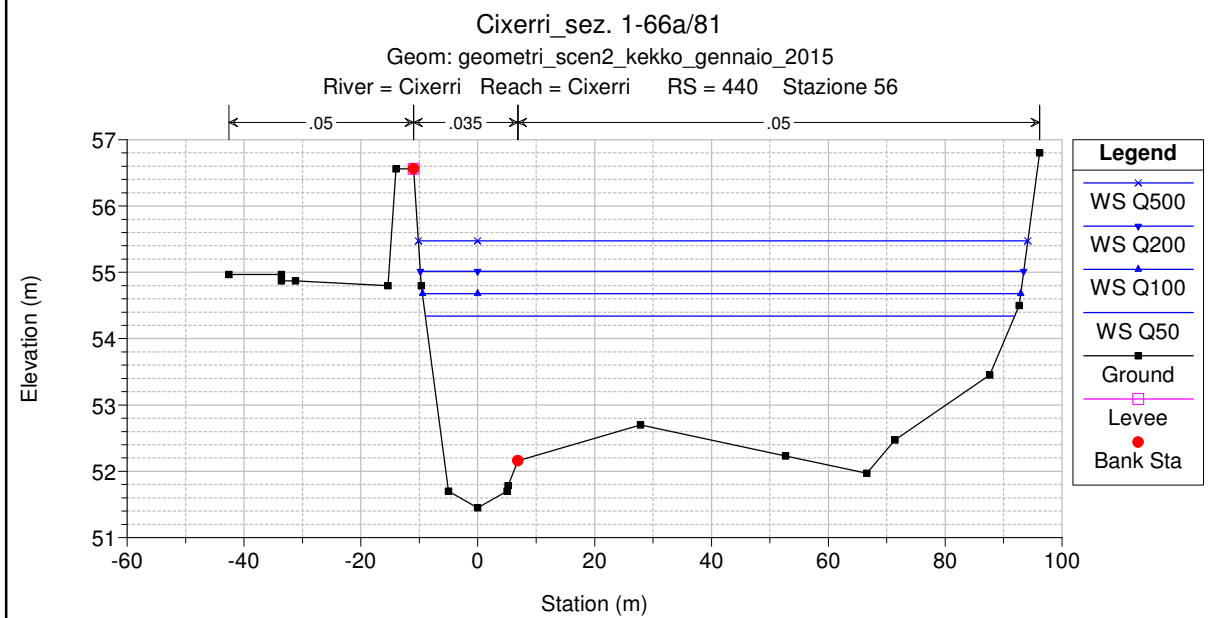
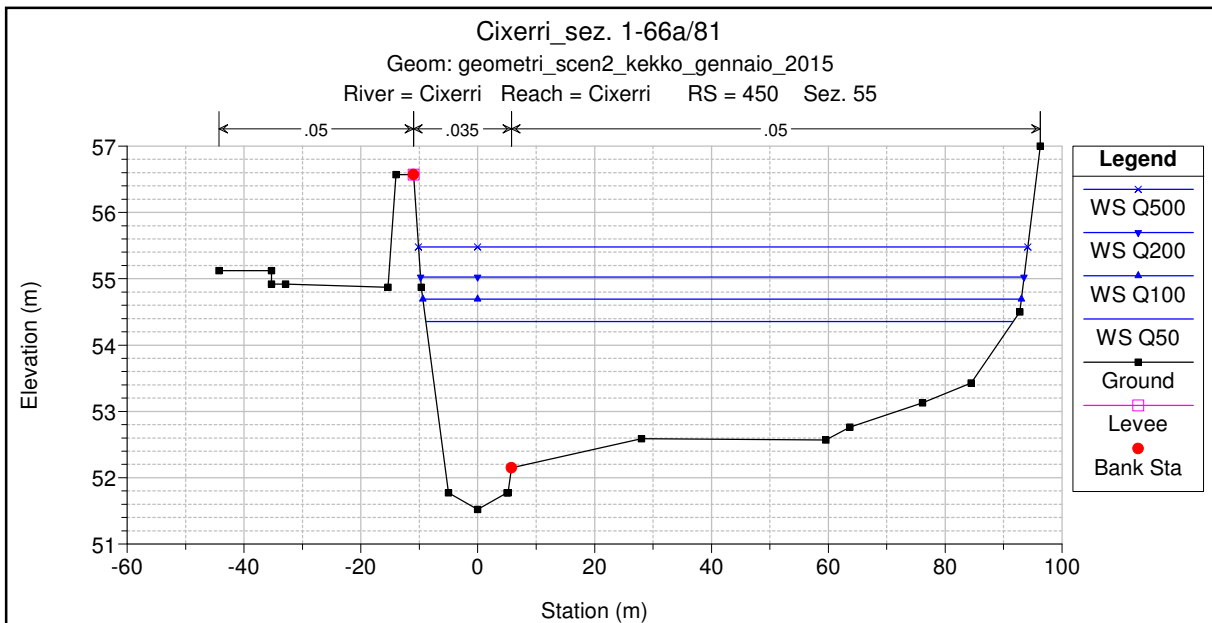


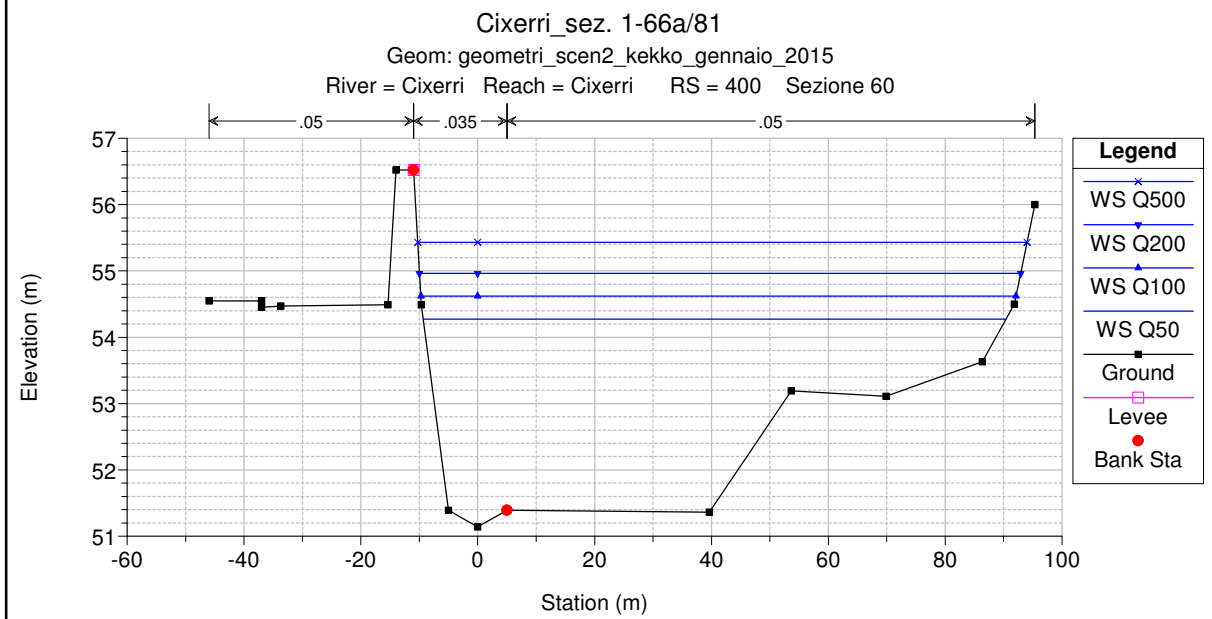
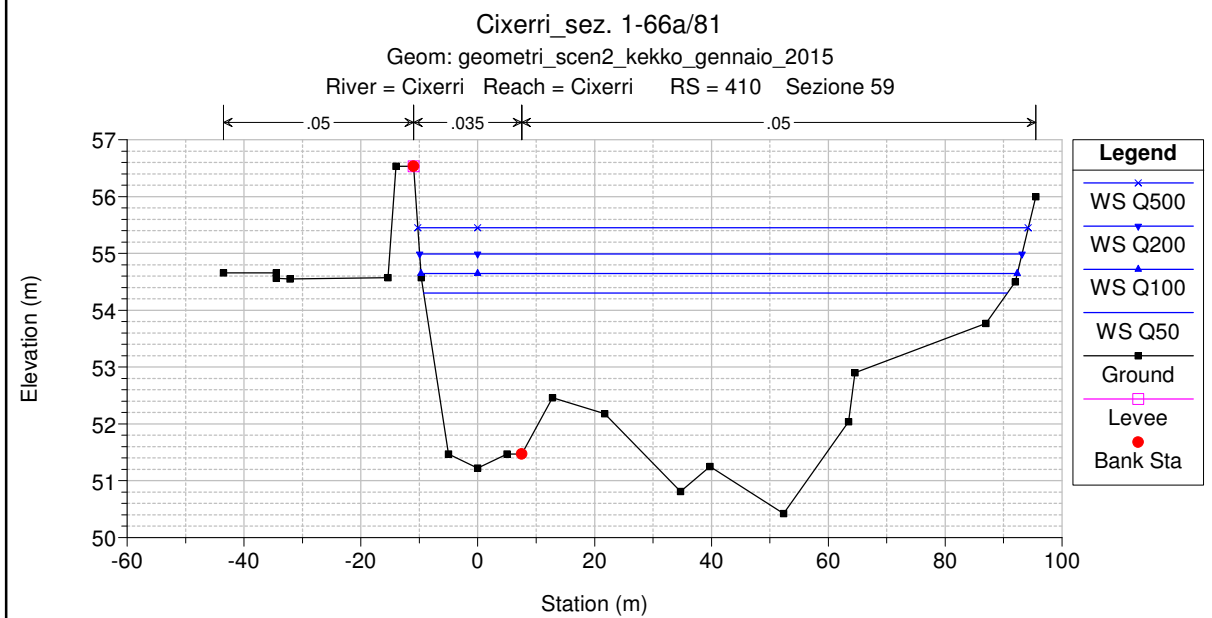
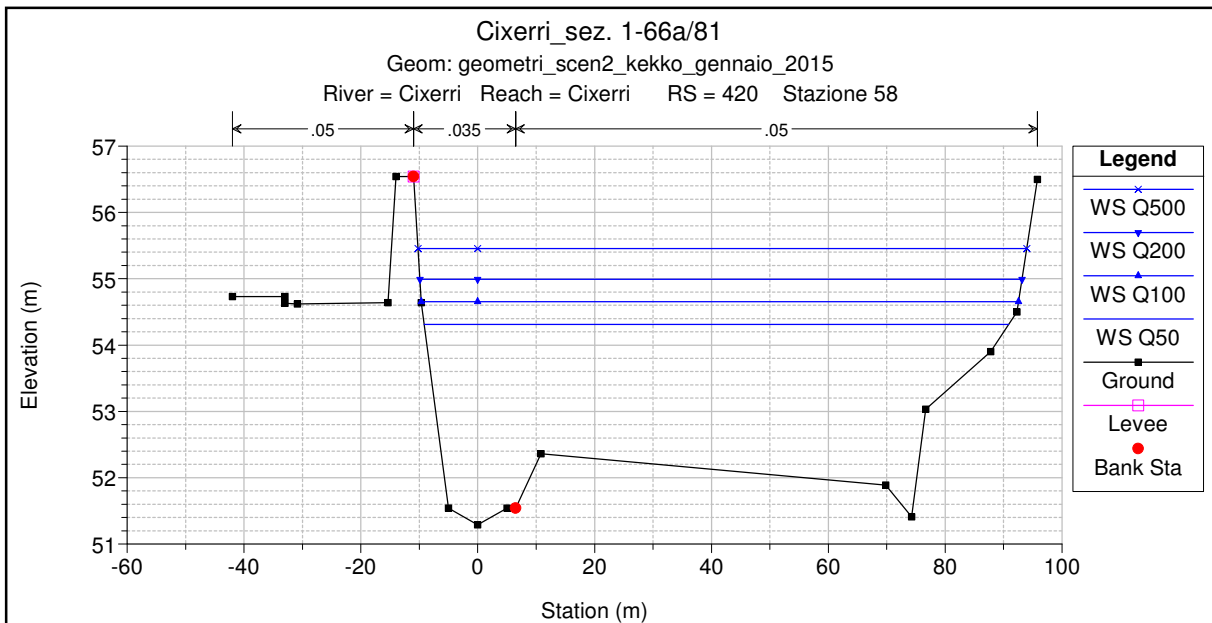


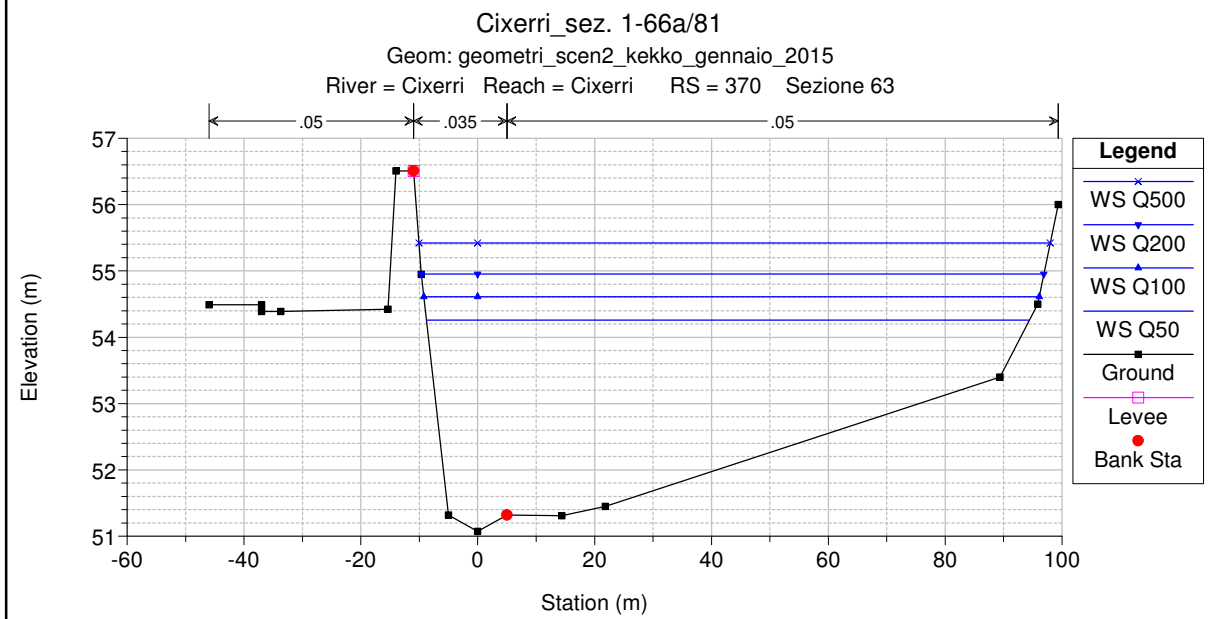
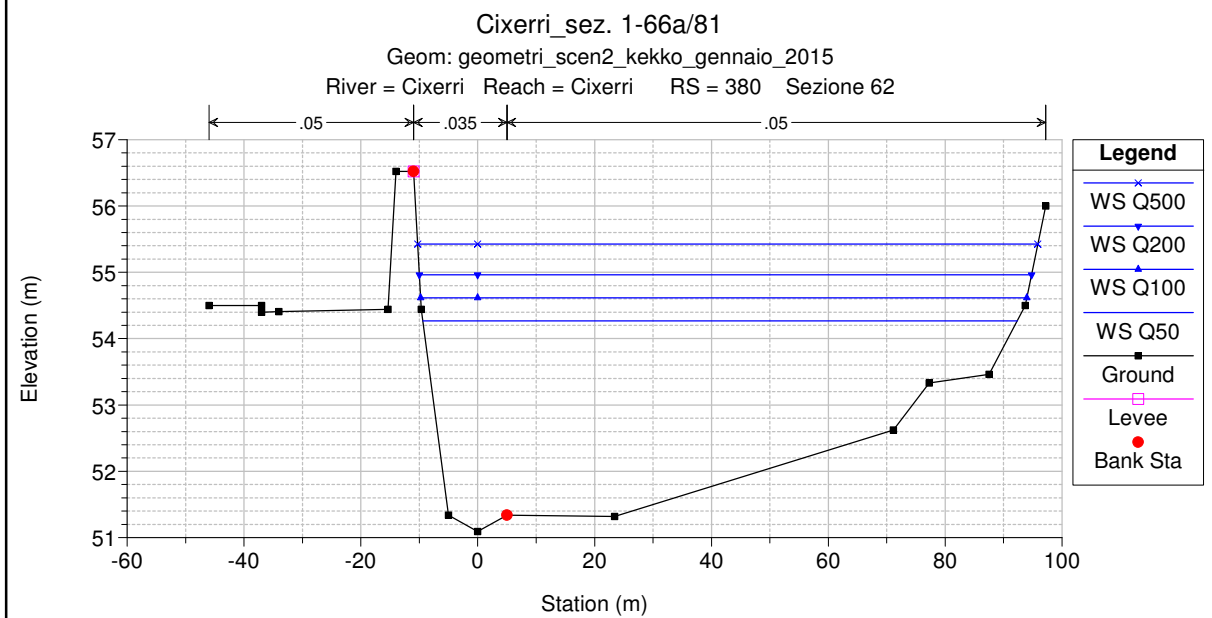
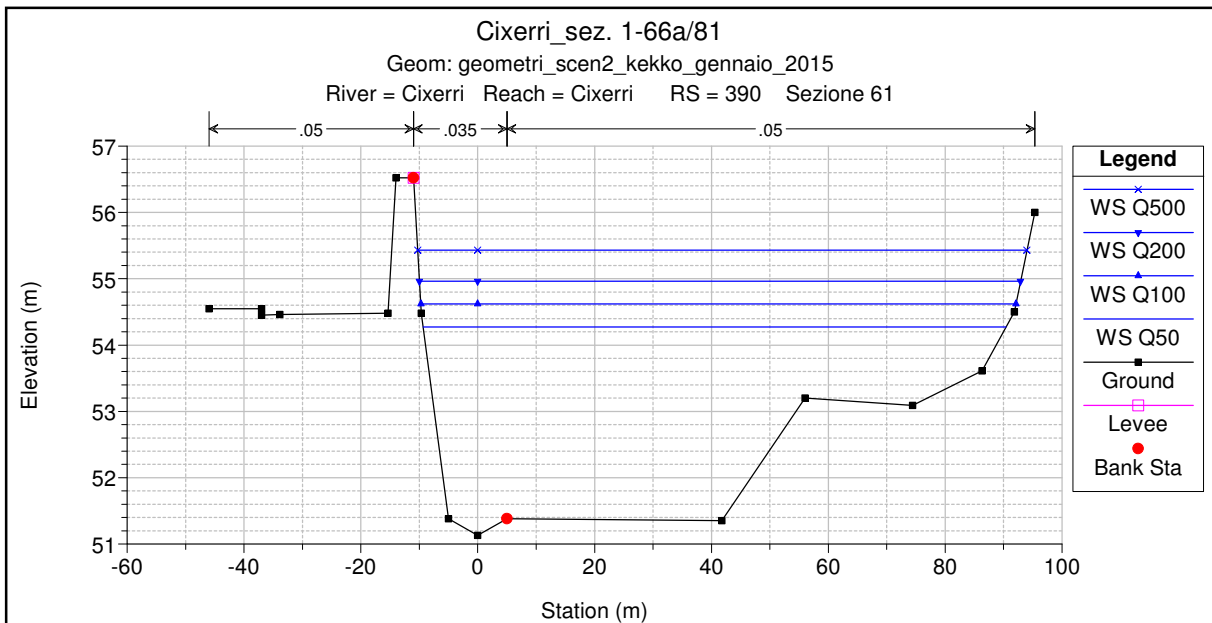


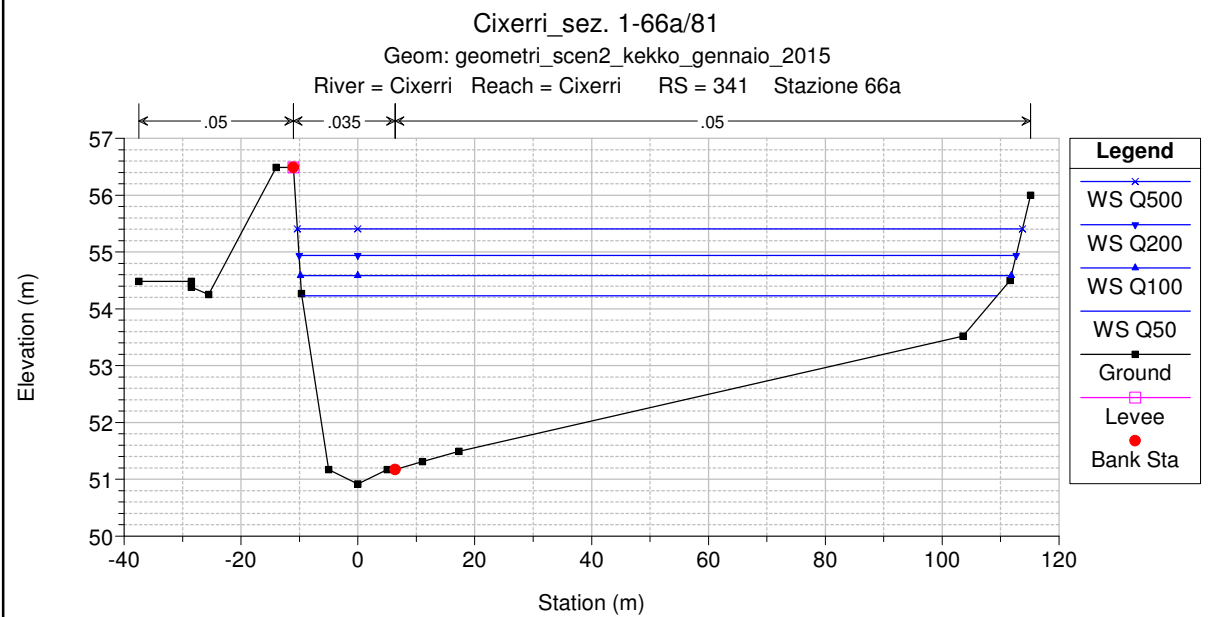
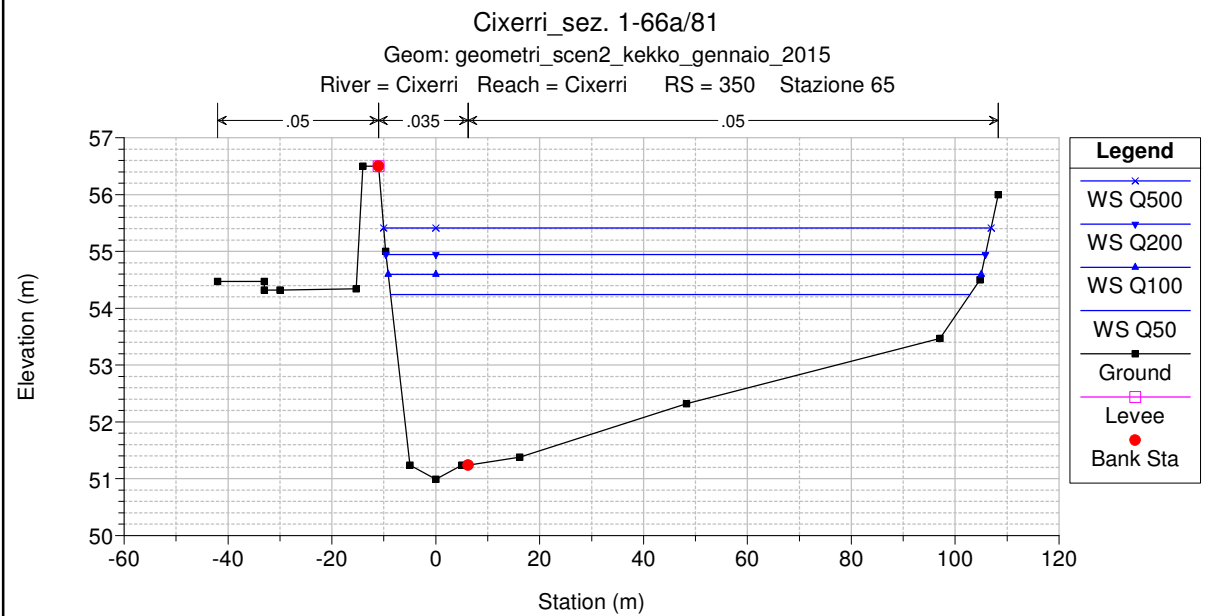
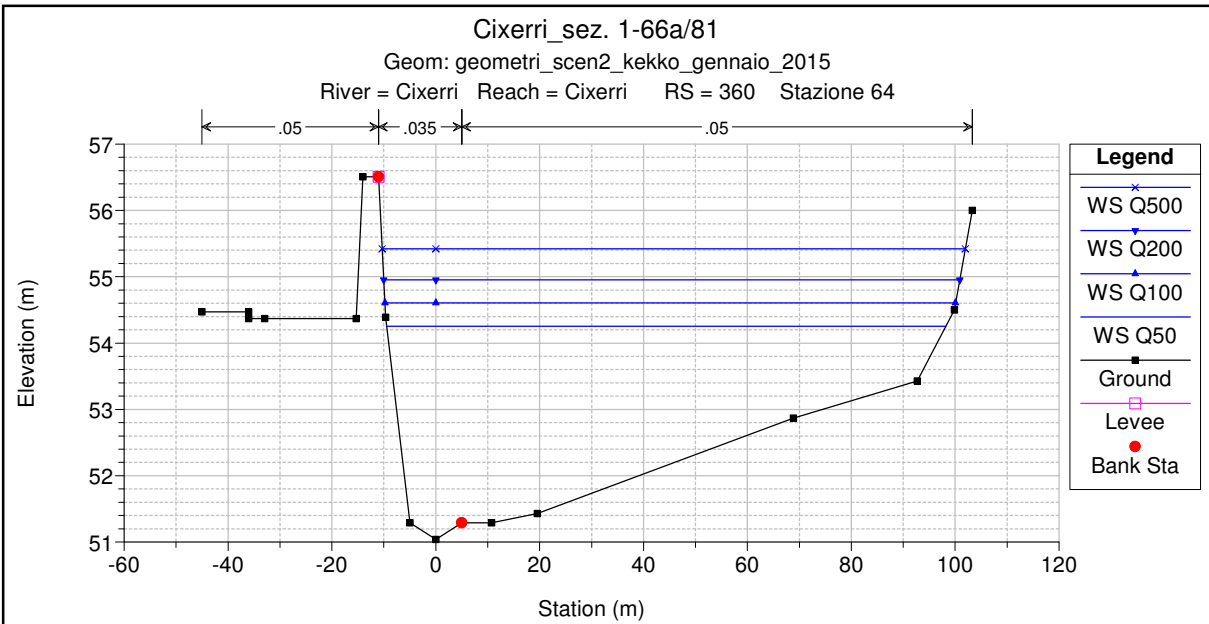


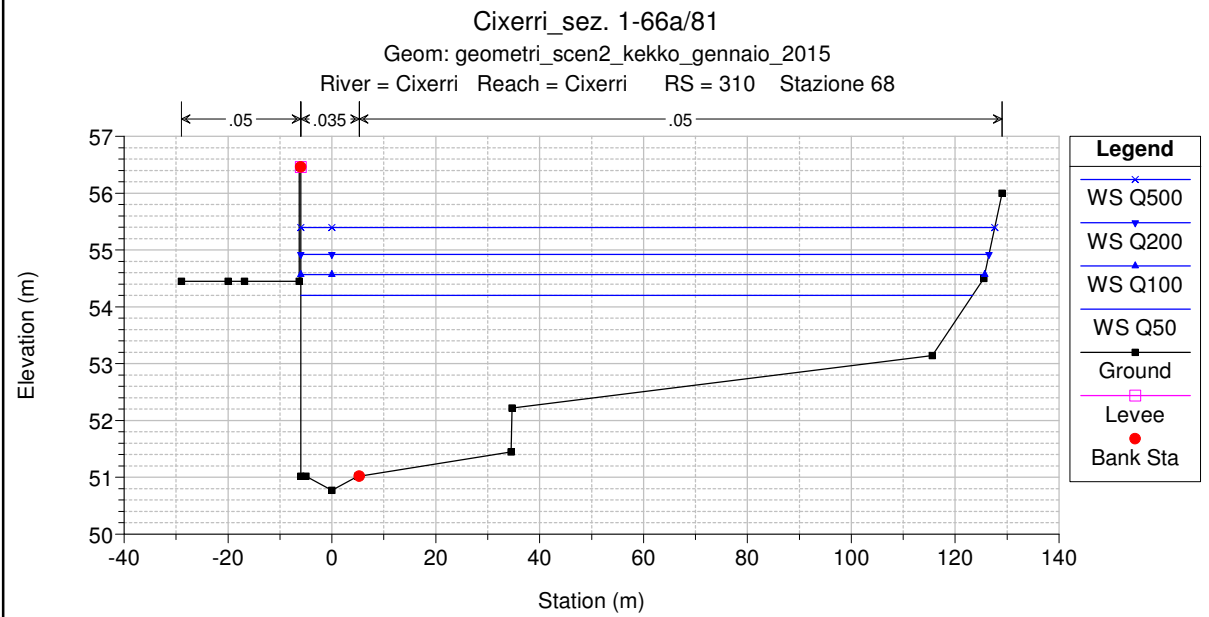
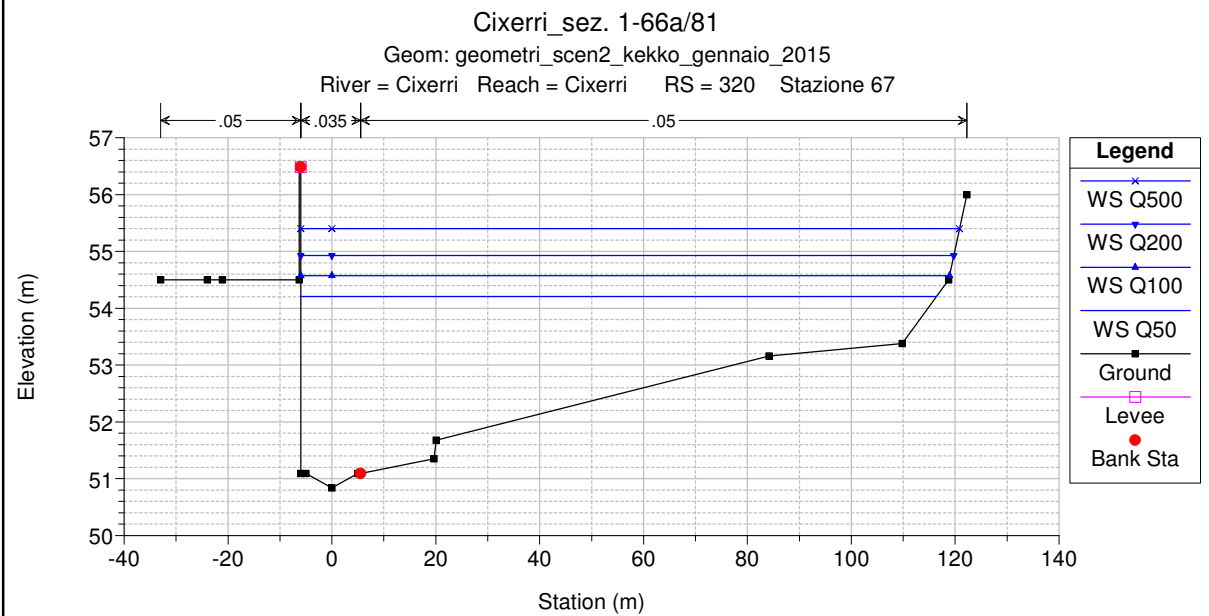
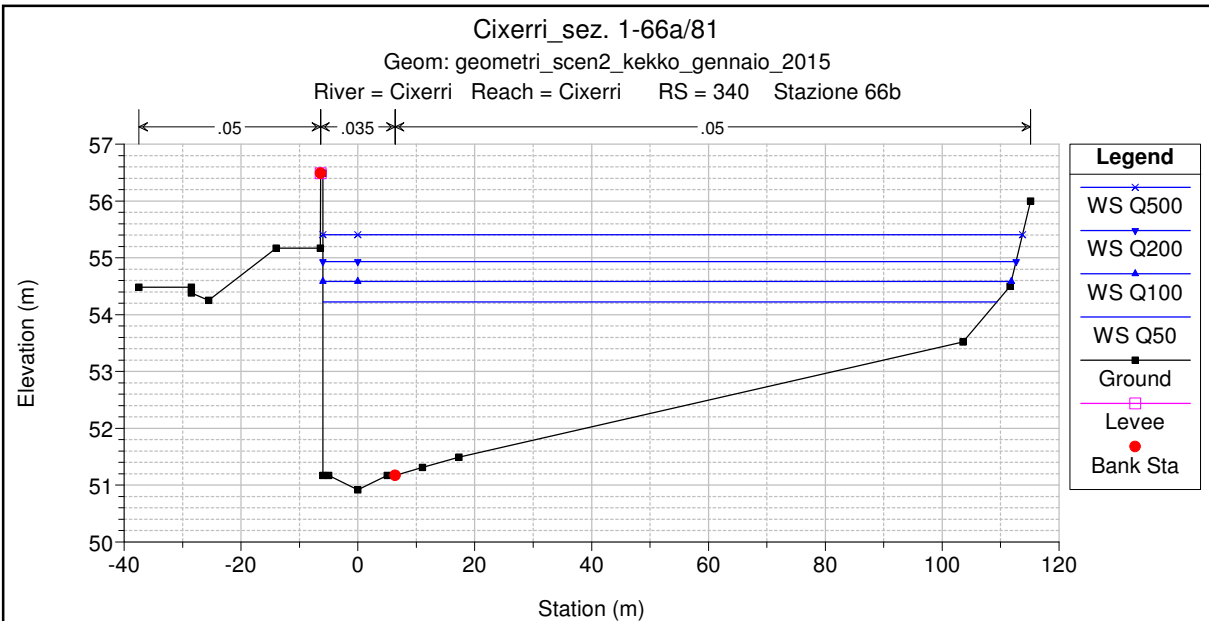


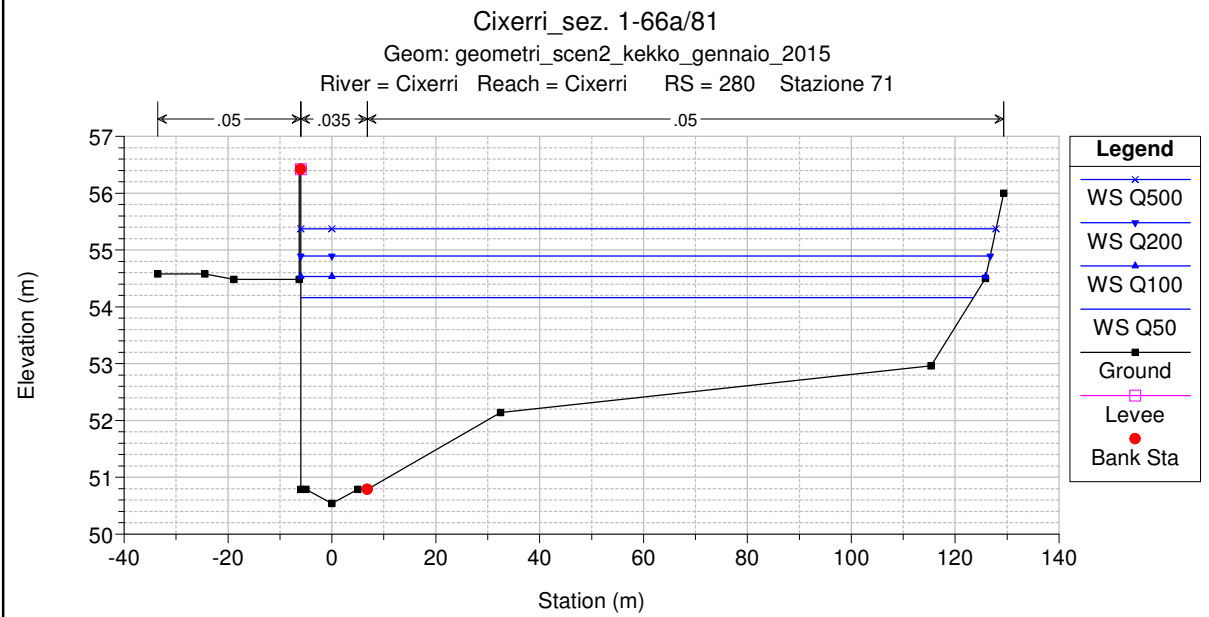
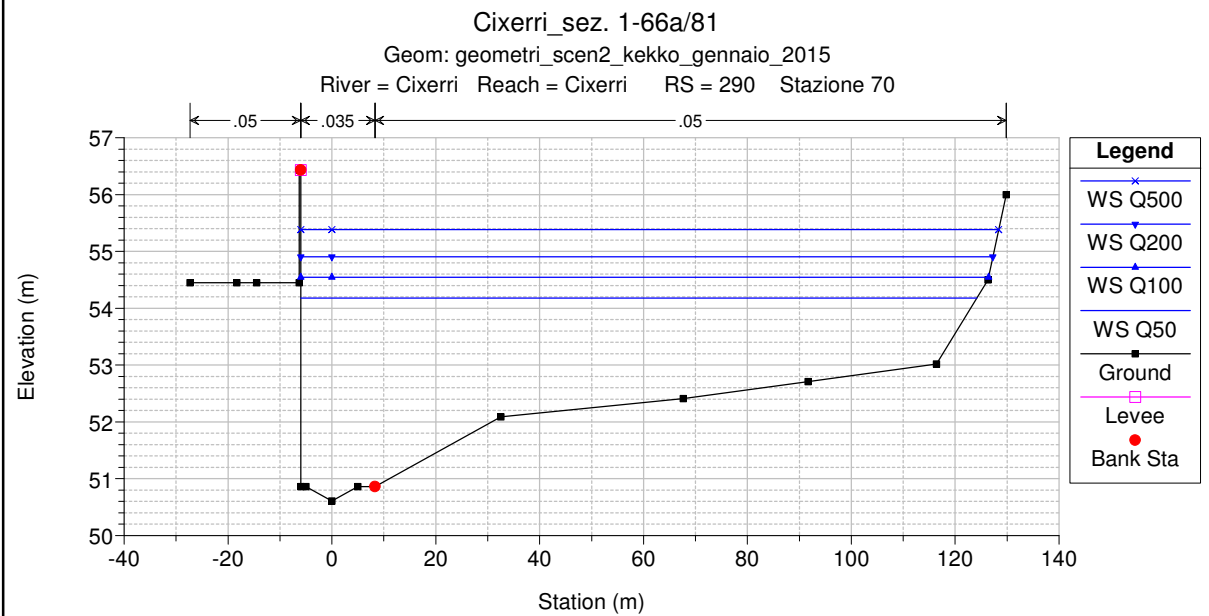
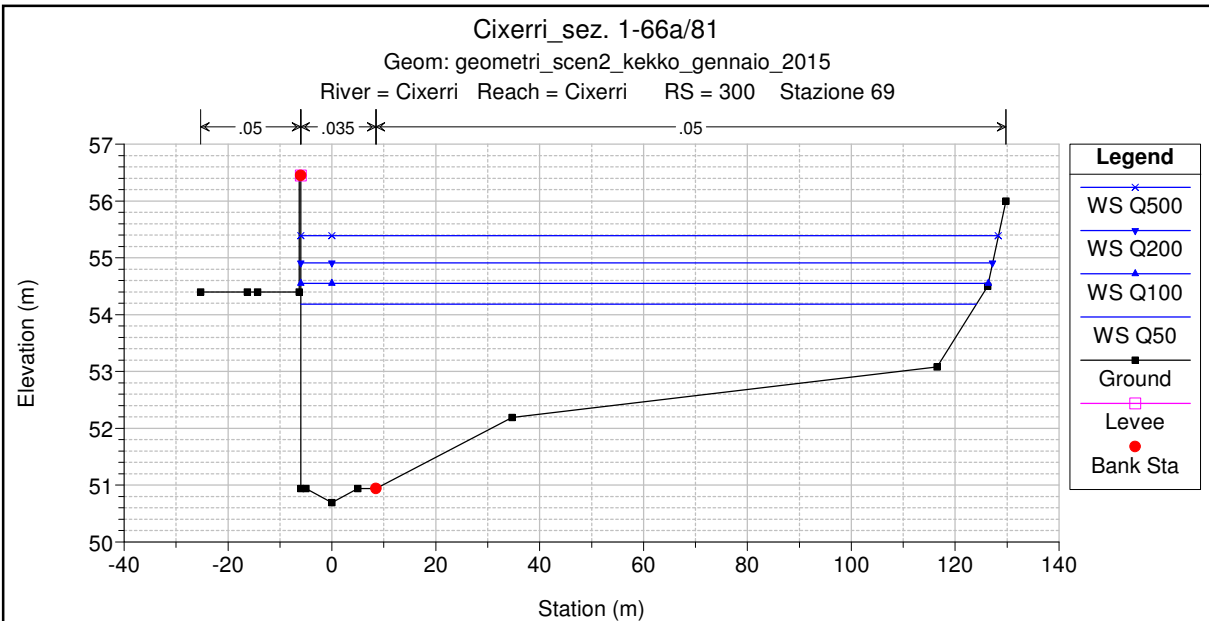


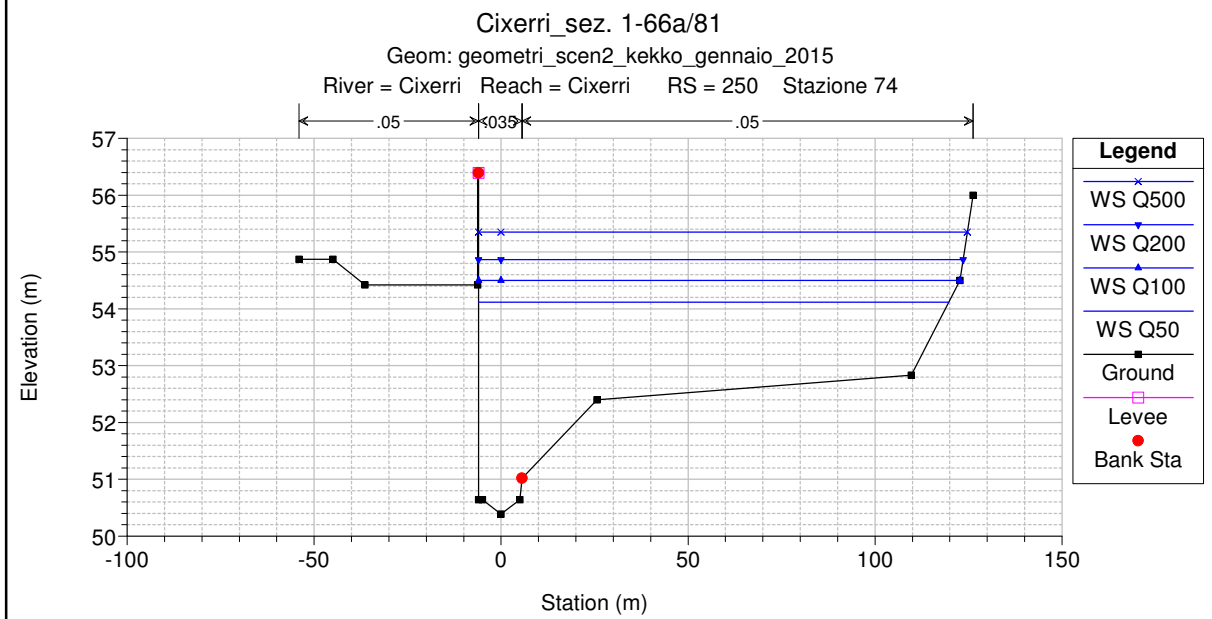
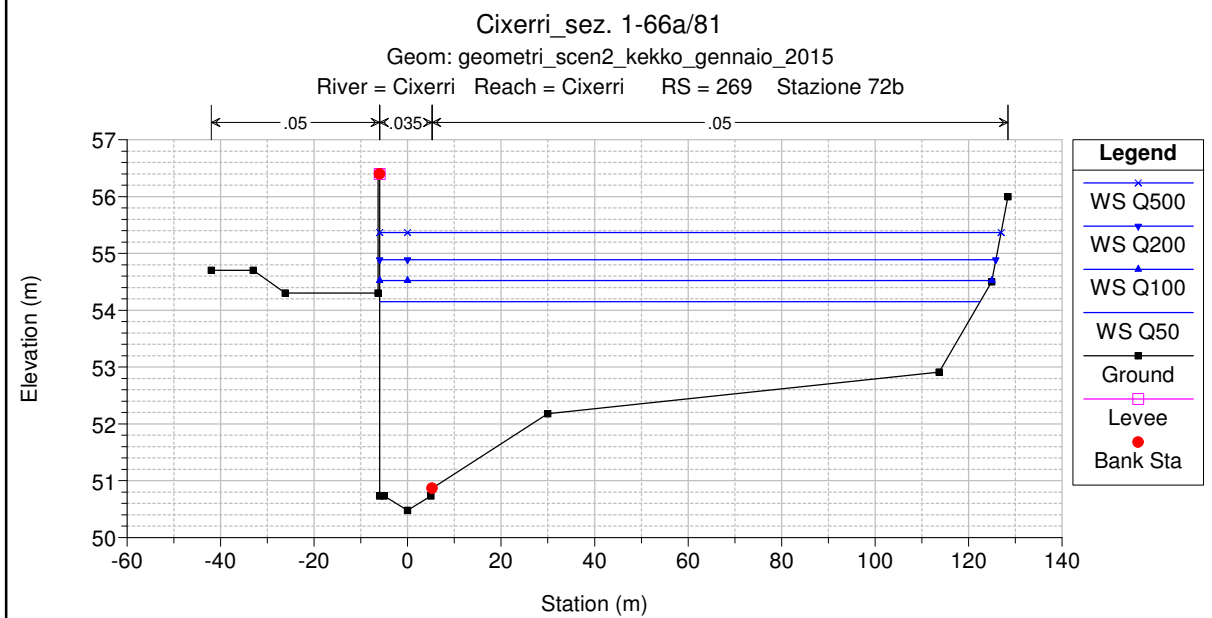
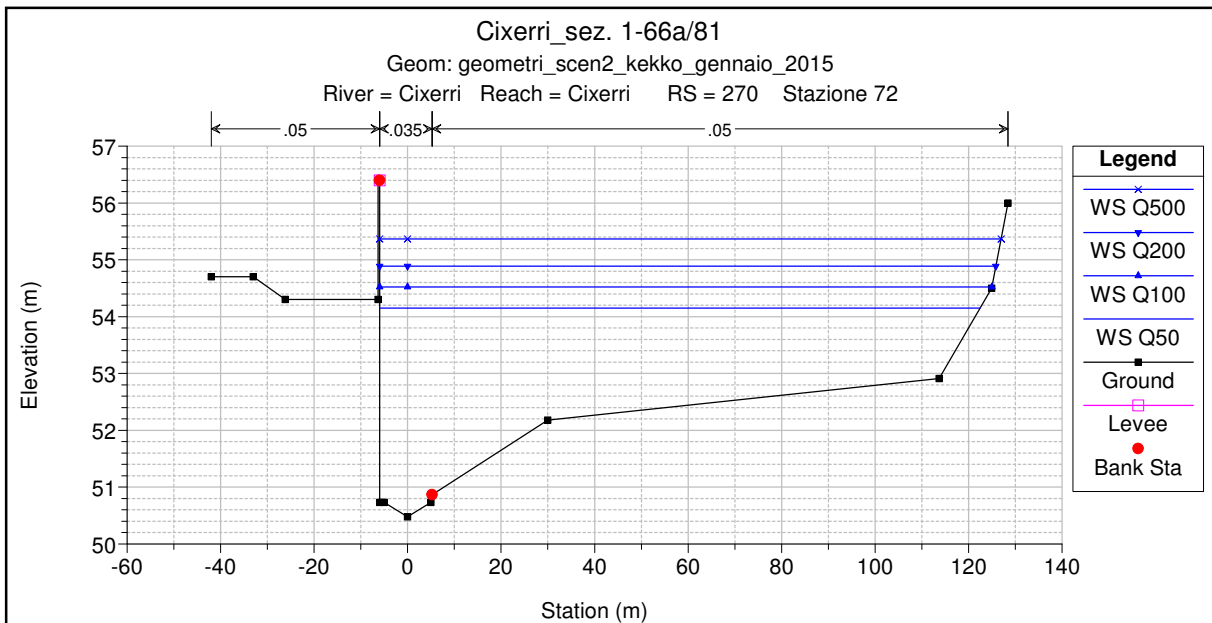


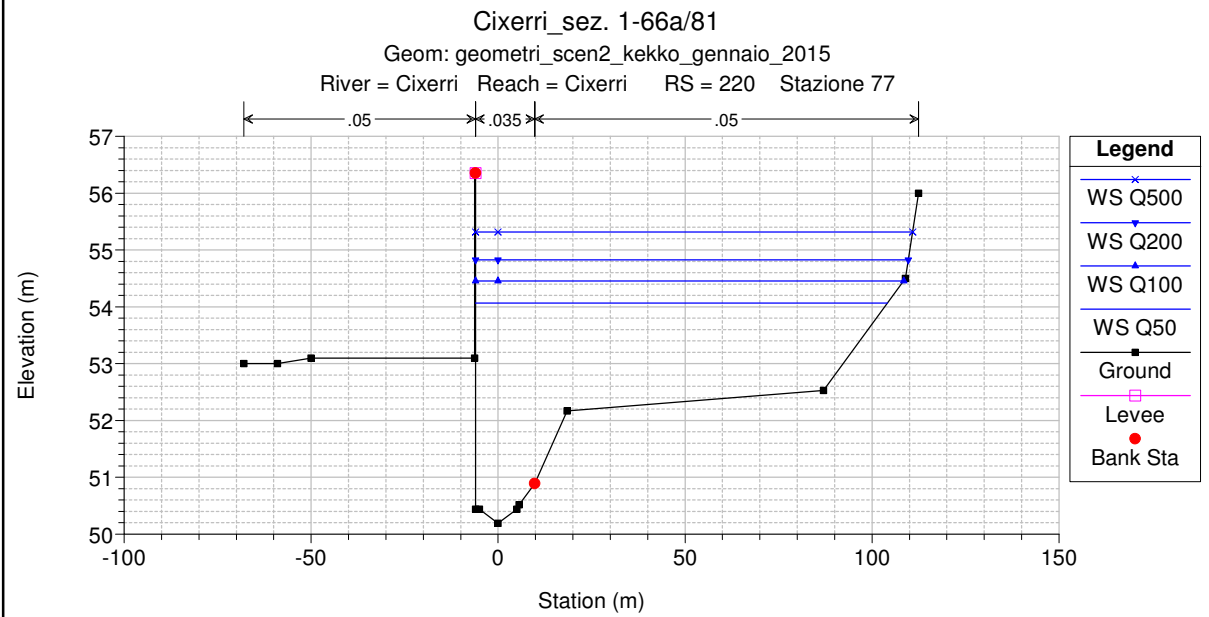
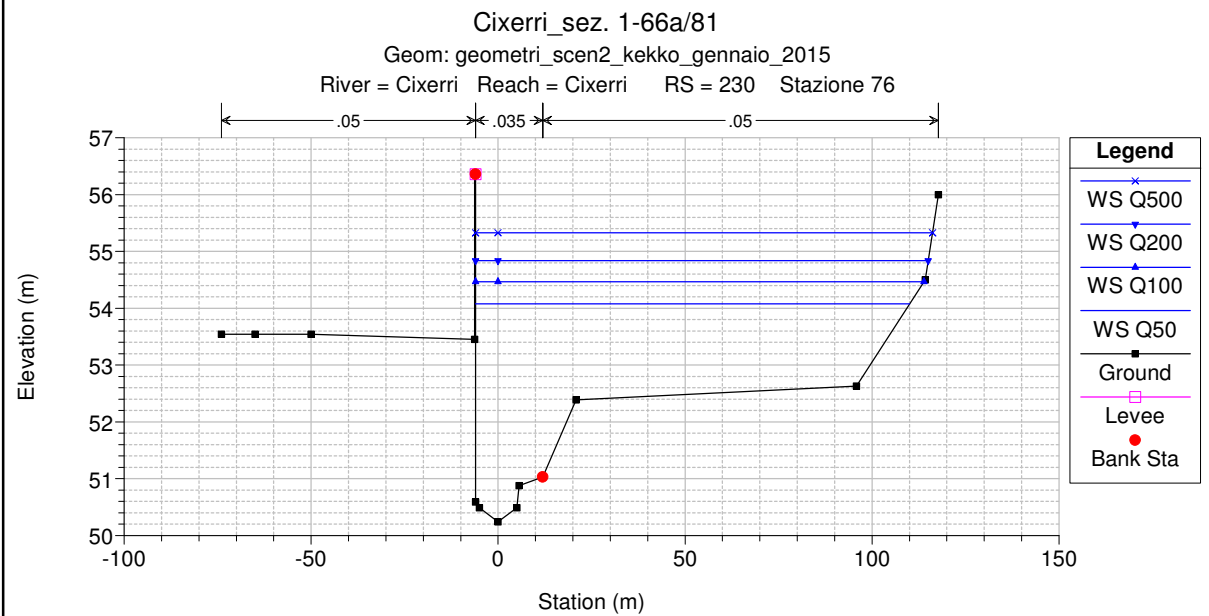
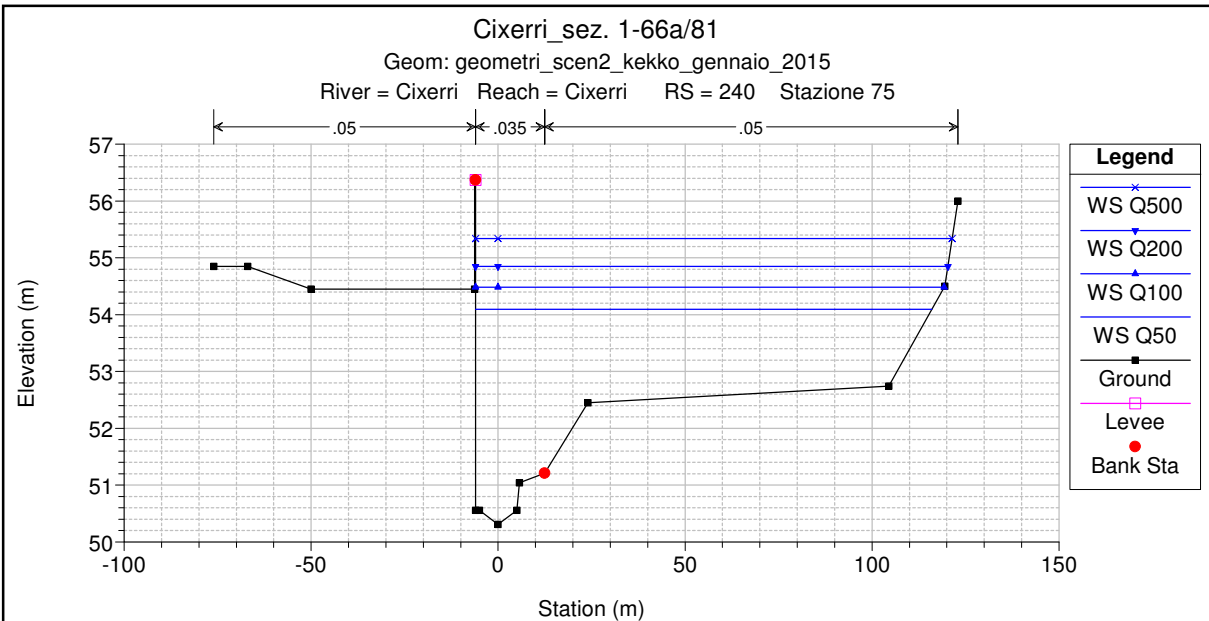


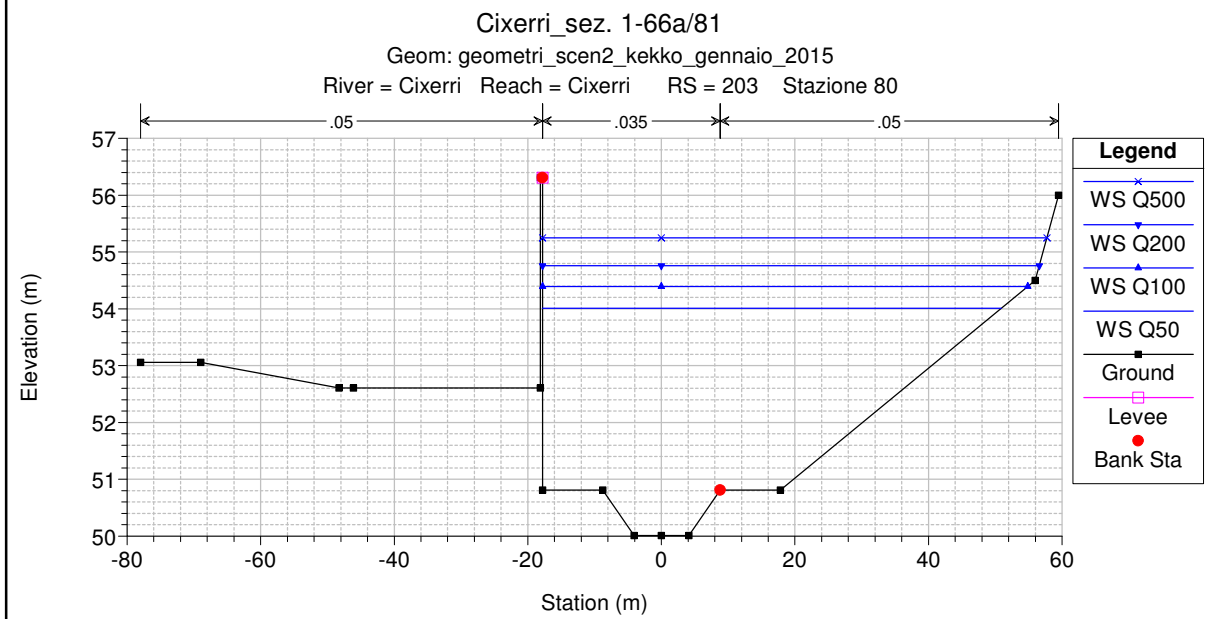
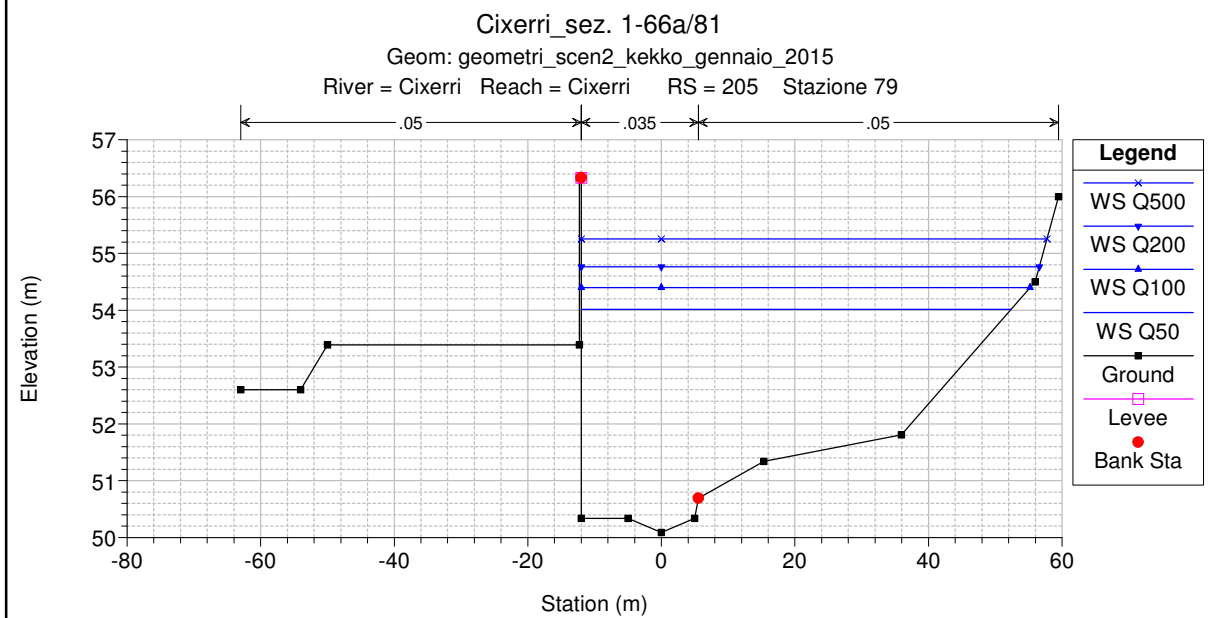
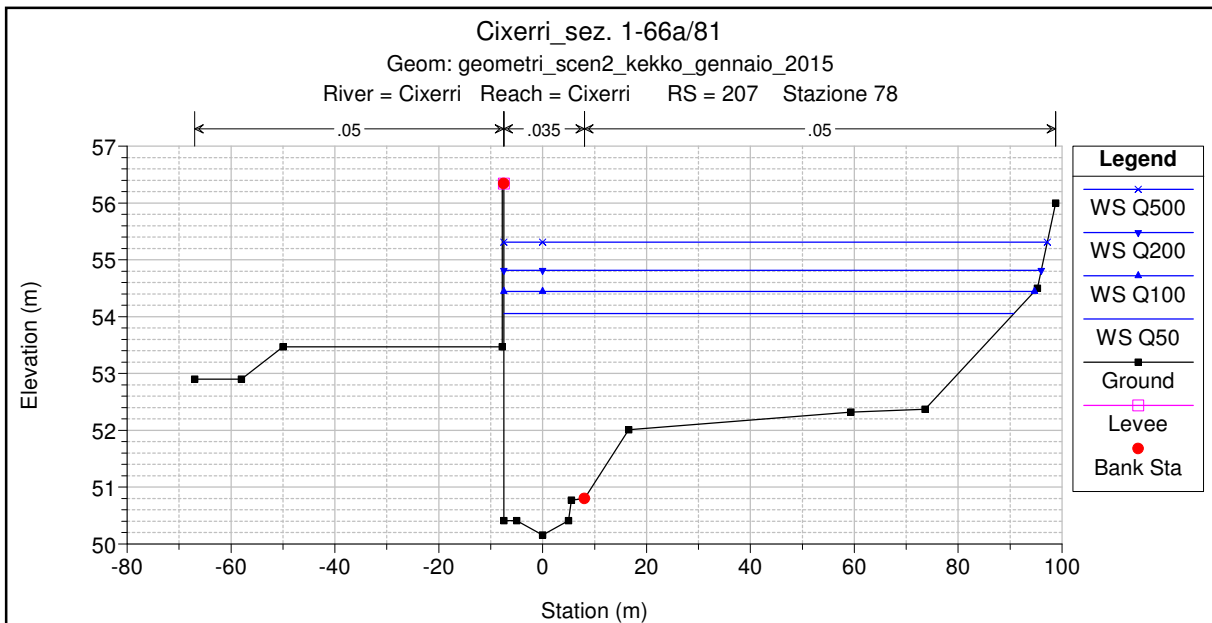


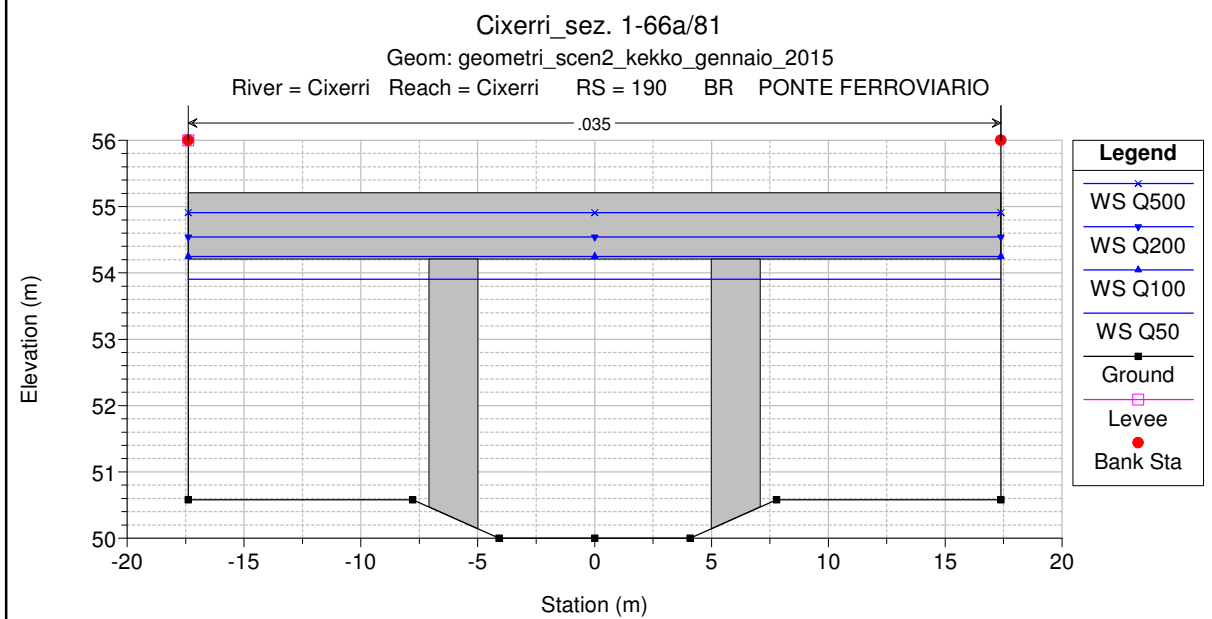
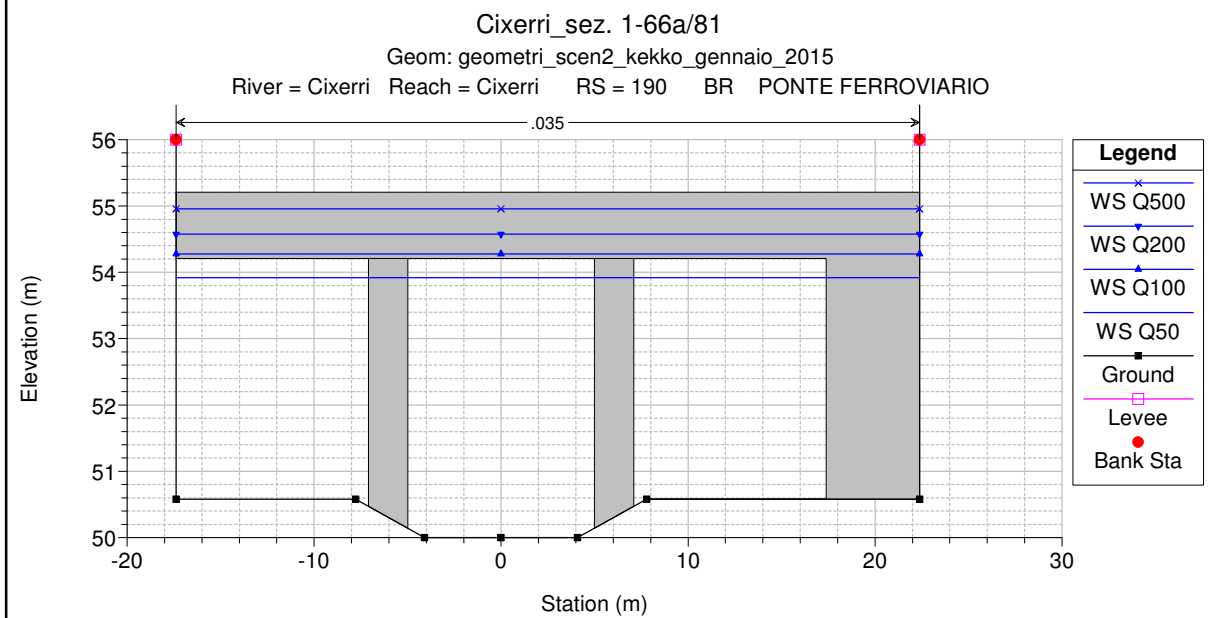
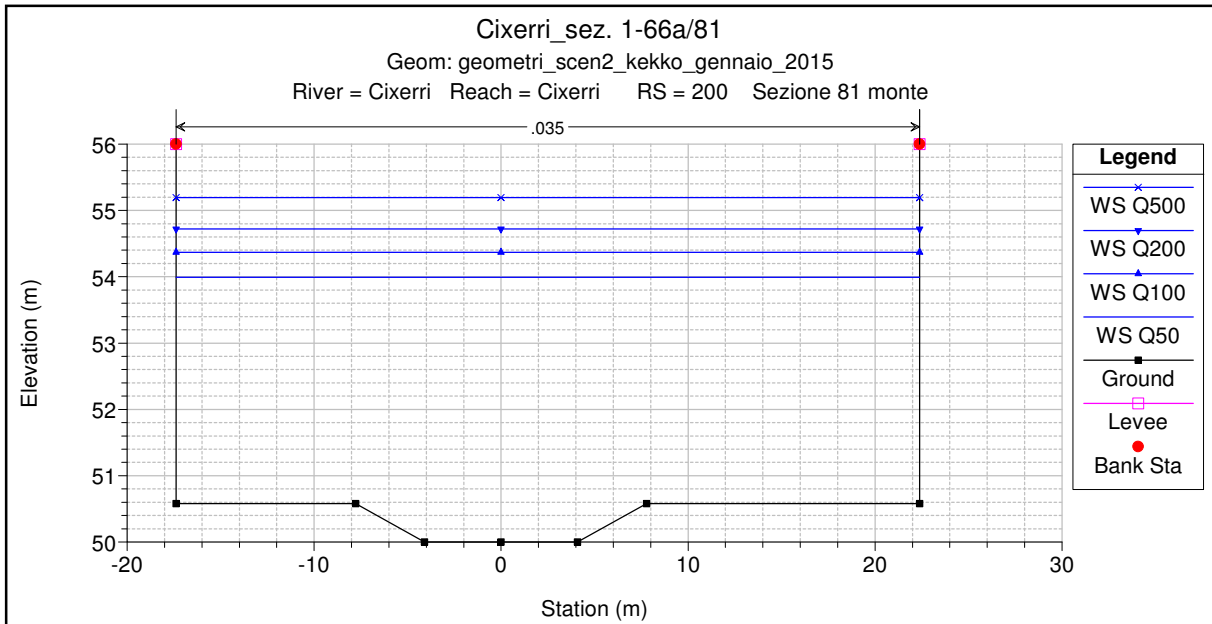


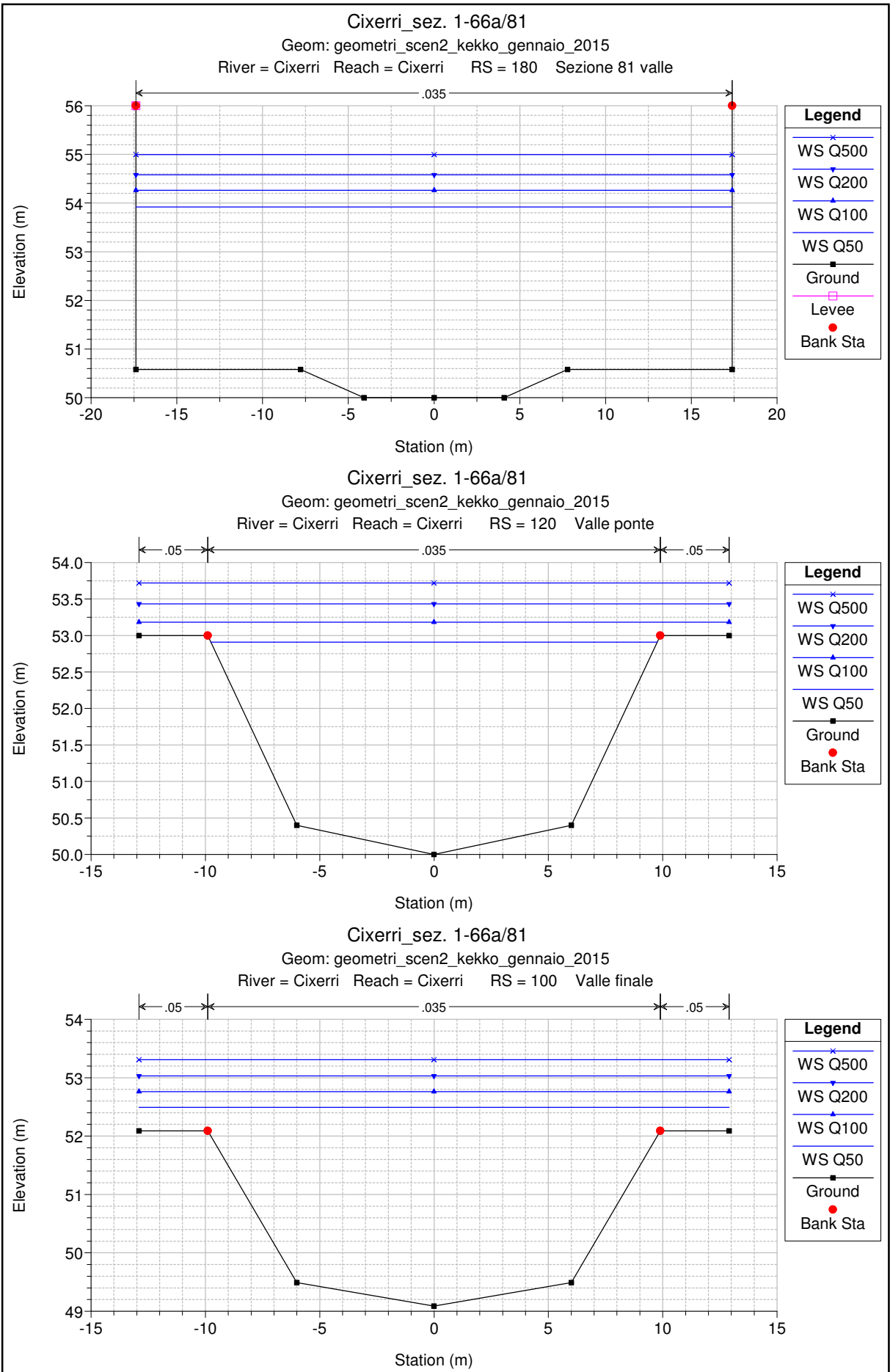








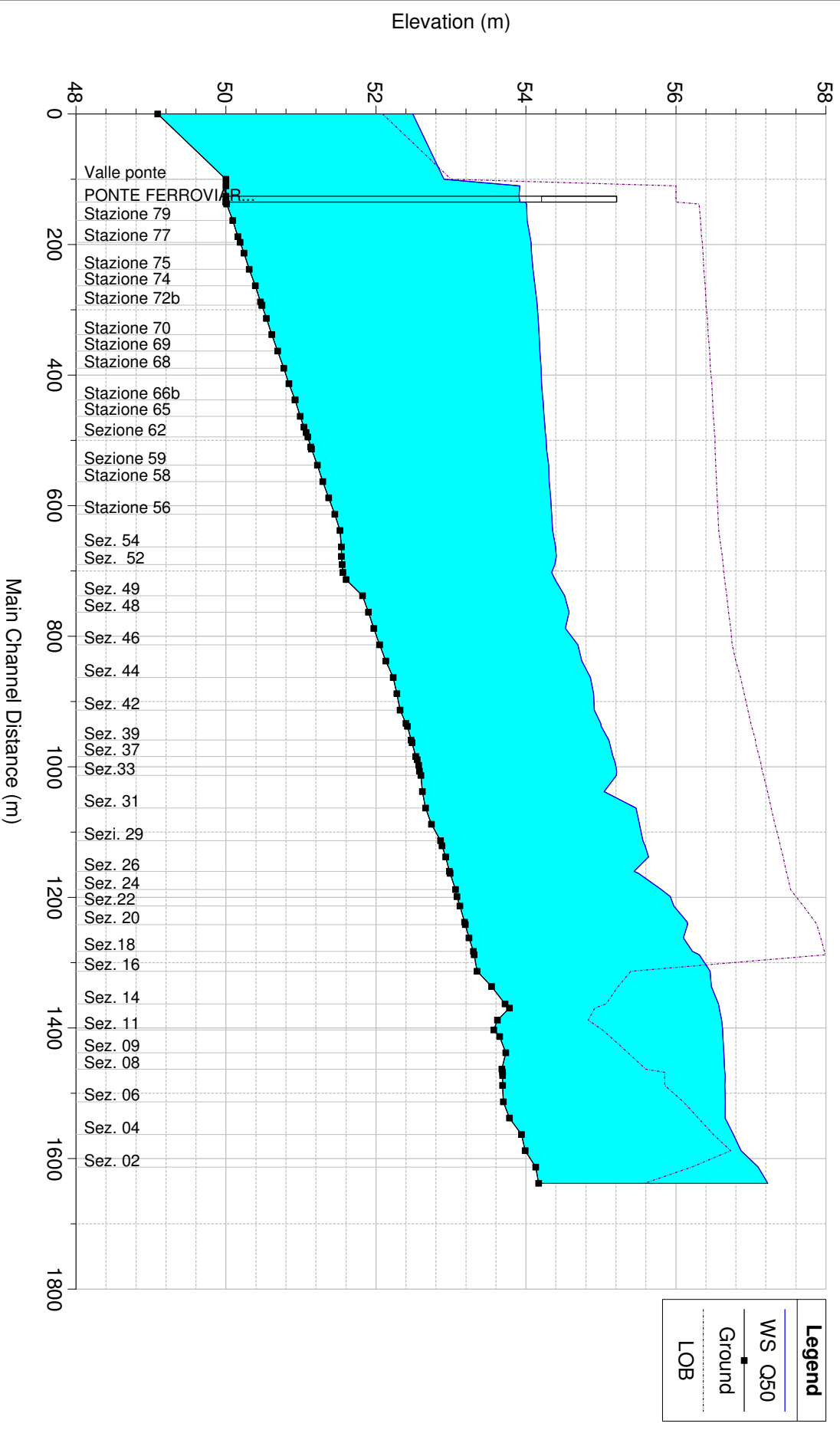




Situazione di progetto

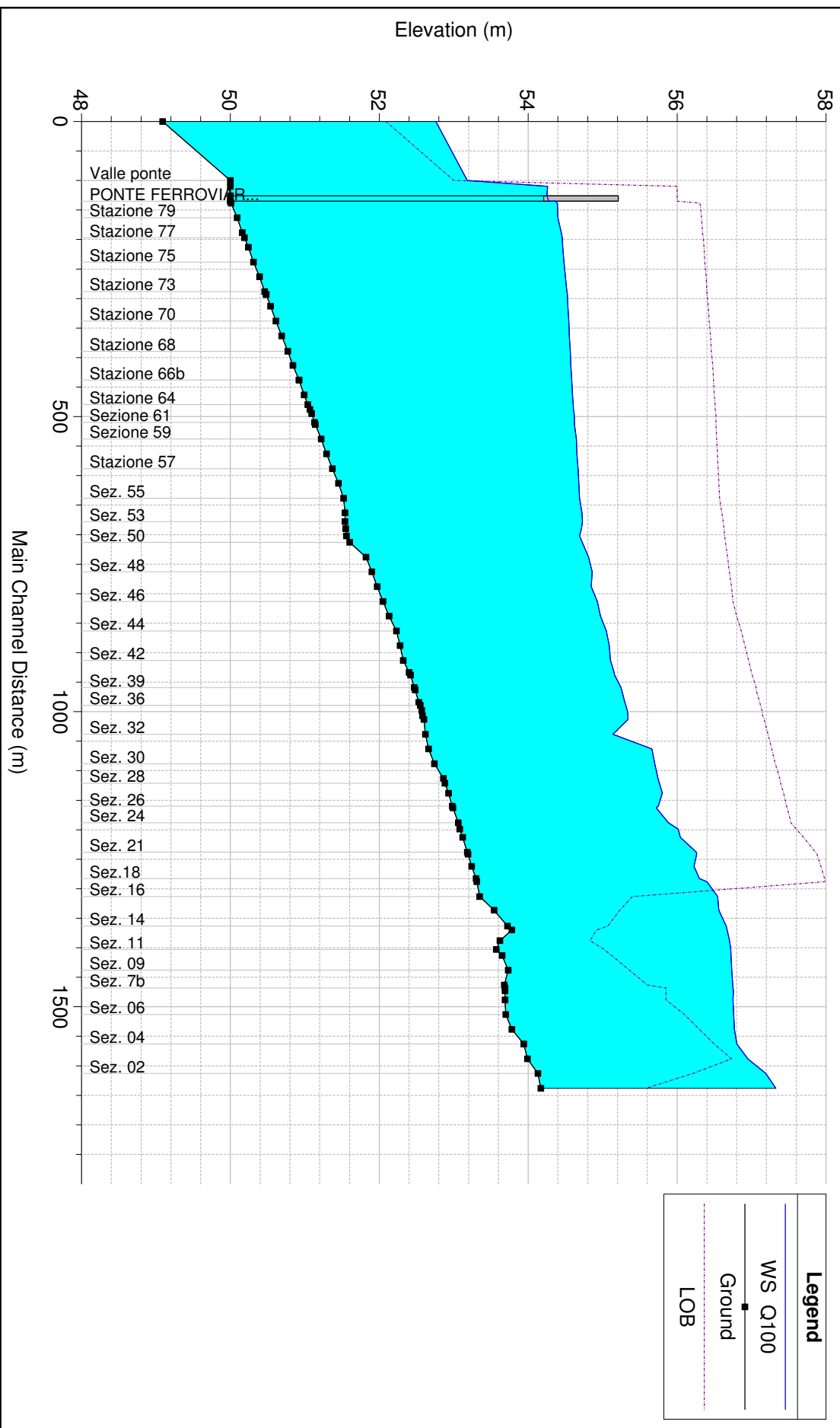
Profili di moto permanente

Portate Q50- Q100-Q200-Q500

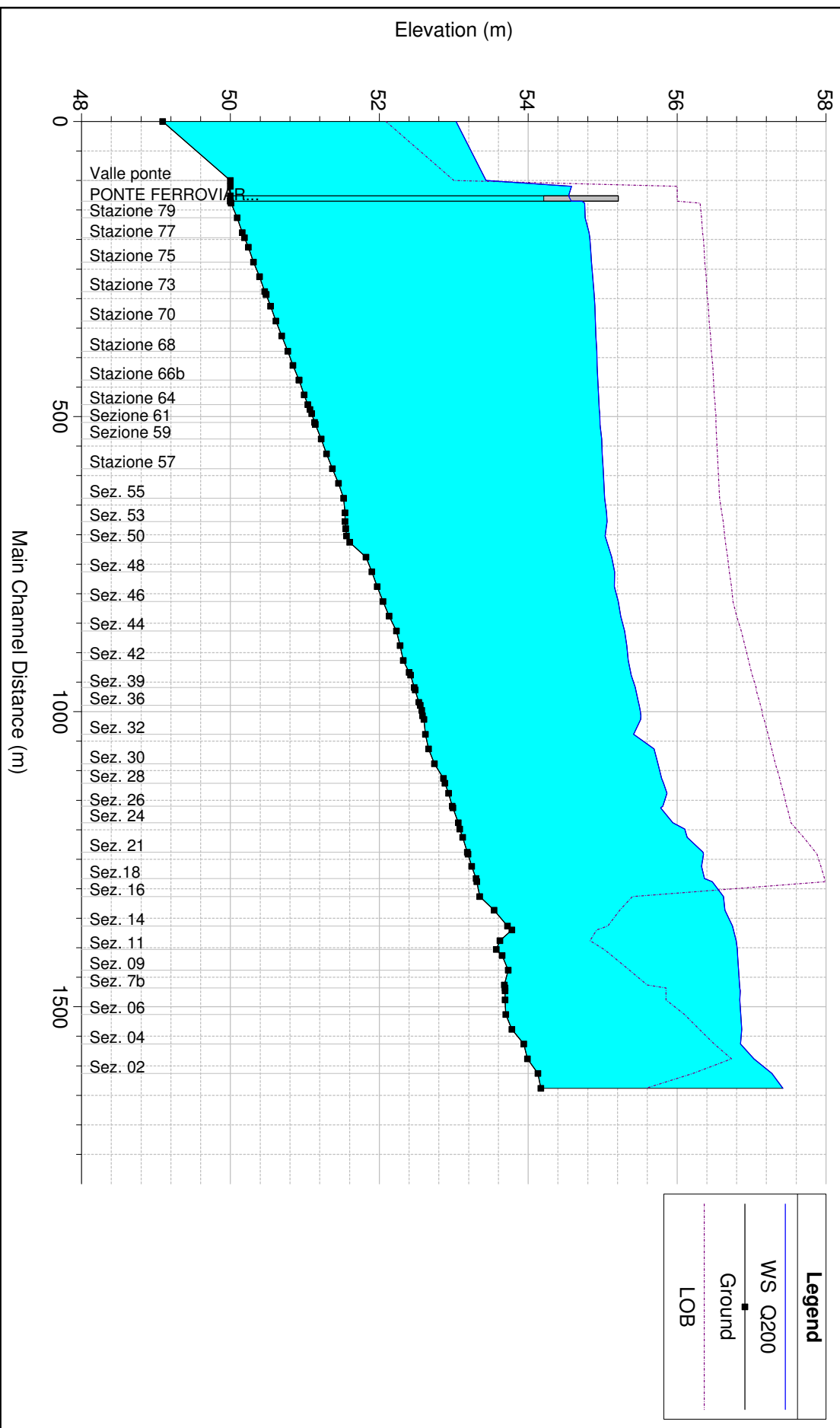


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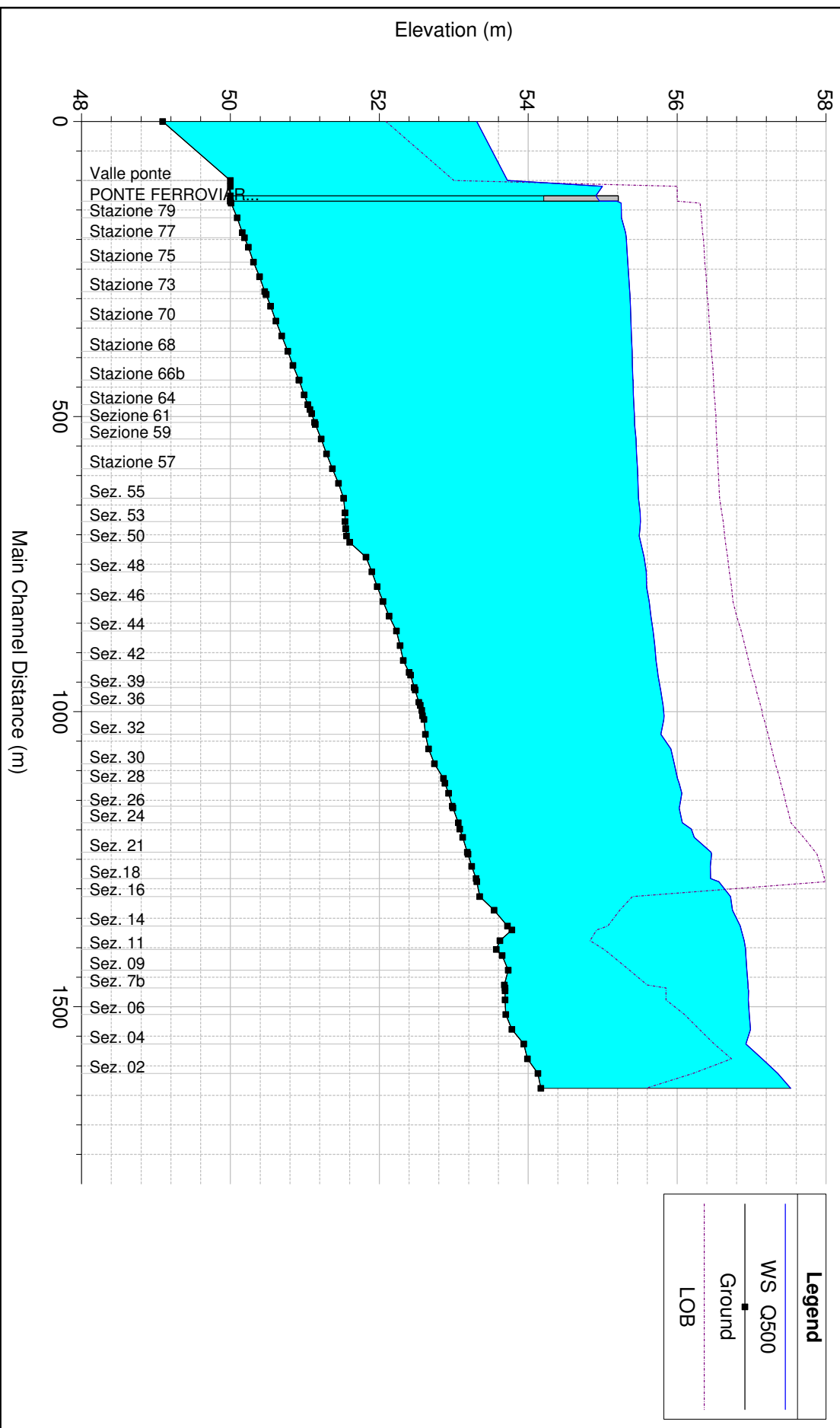
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Cixerri_sez. 1-66a/81
Geom: geometri_scerz2_kekko_gennaio_2015



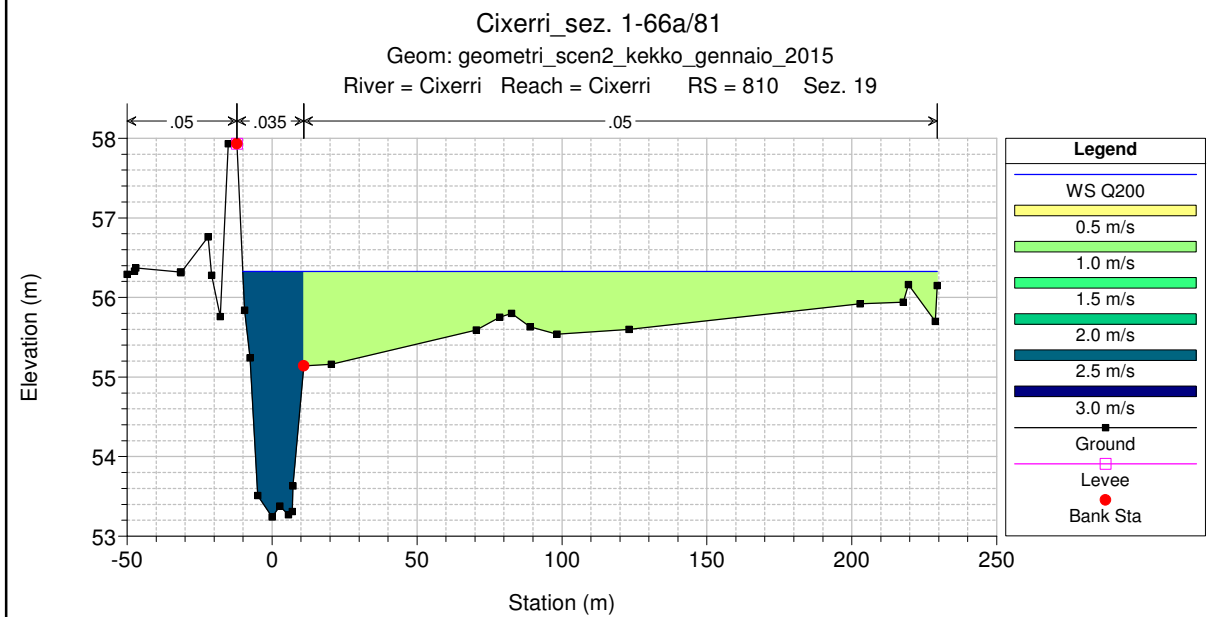
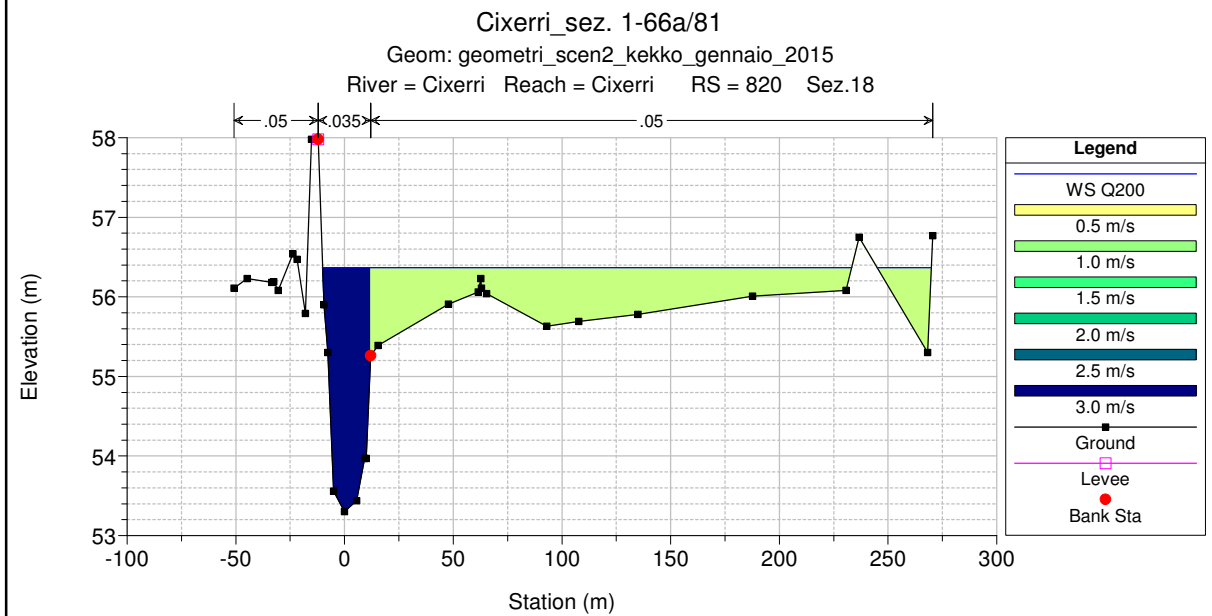
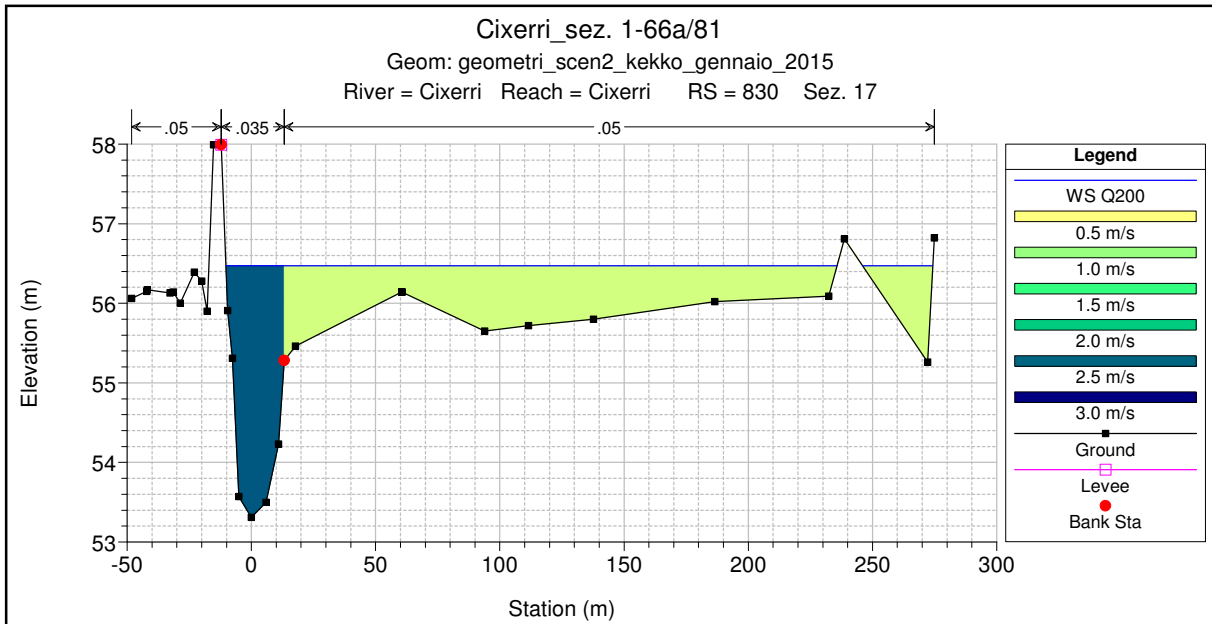
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 Geom: geometri_scezi2_kekko_gennaio_2015

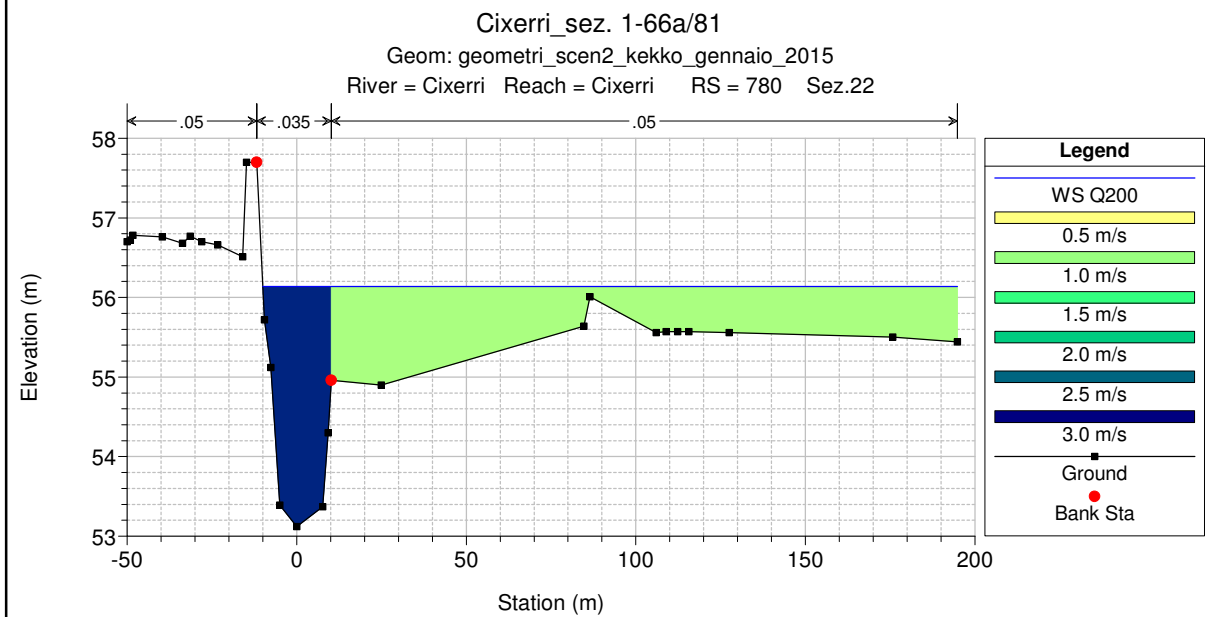
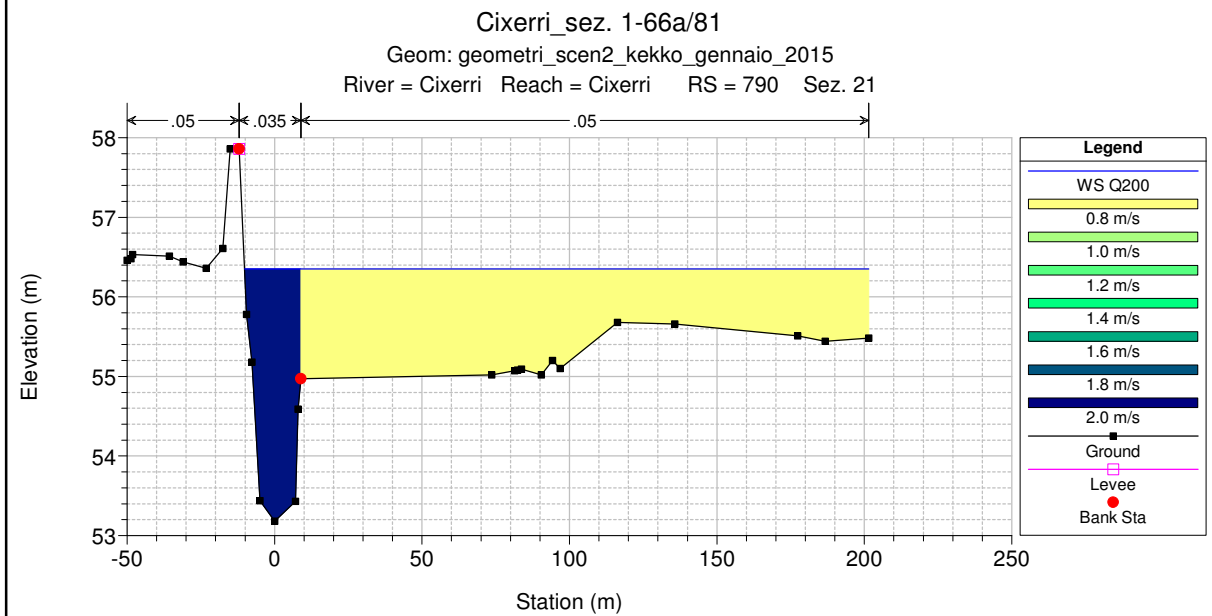
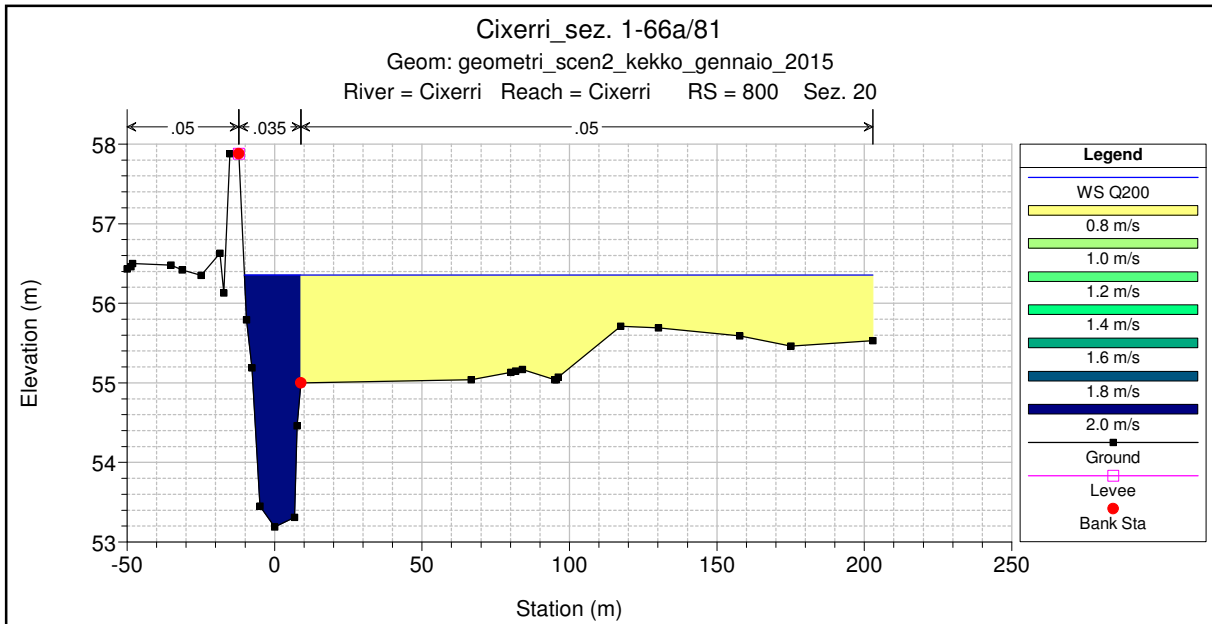


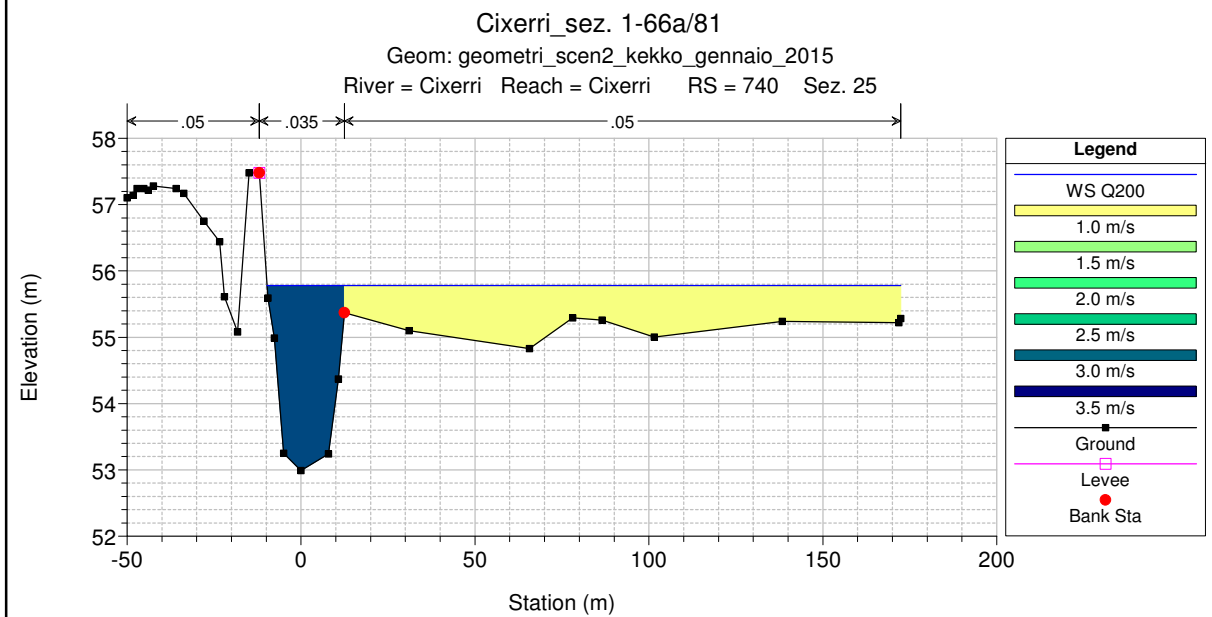
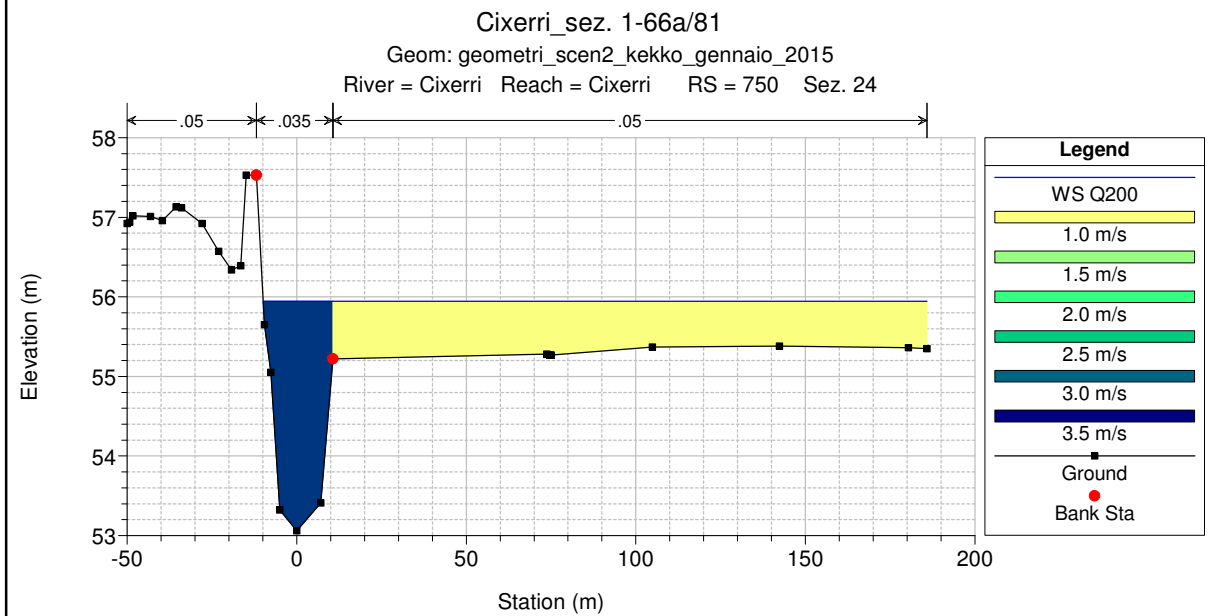
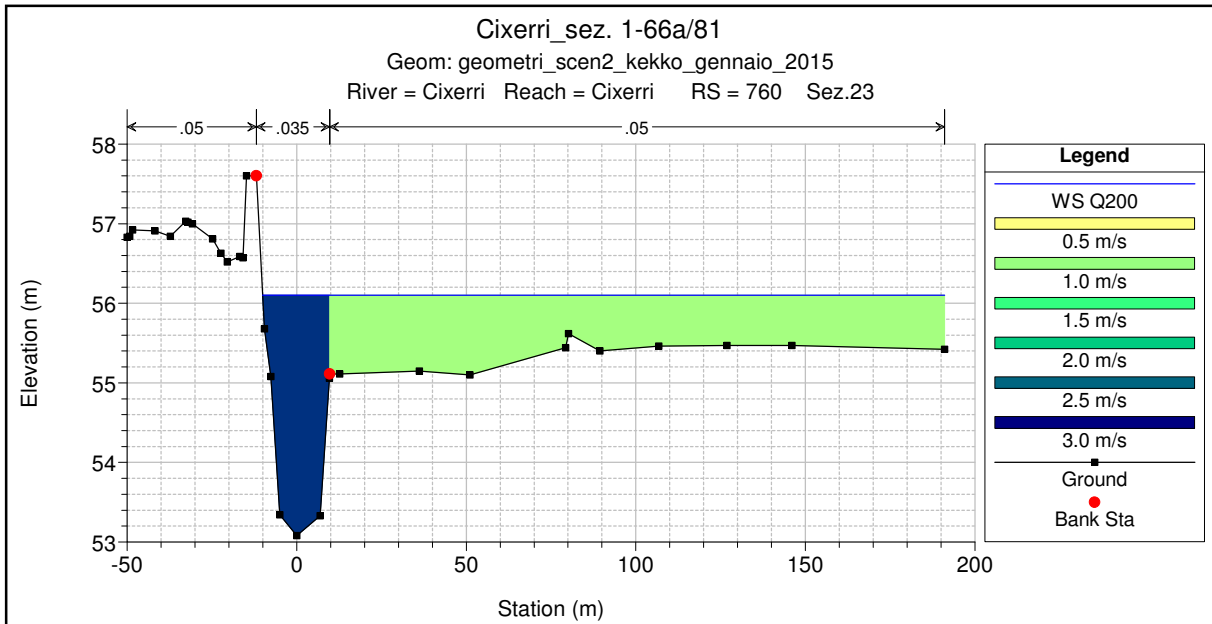
Situazione di progetto

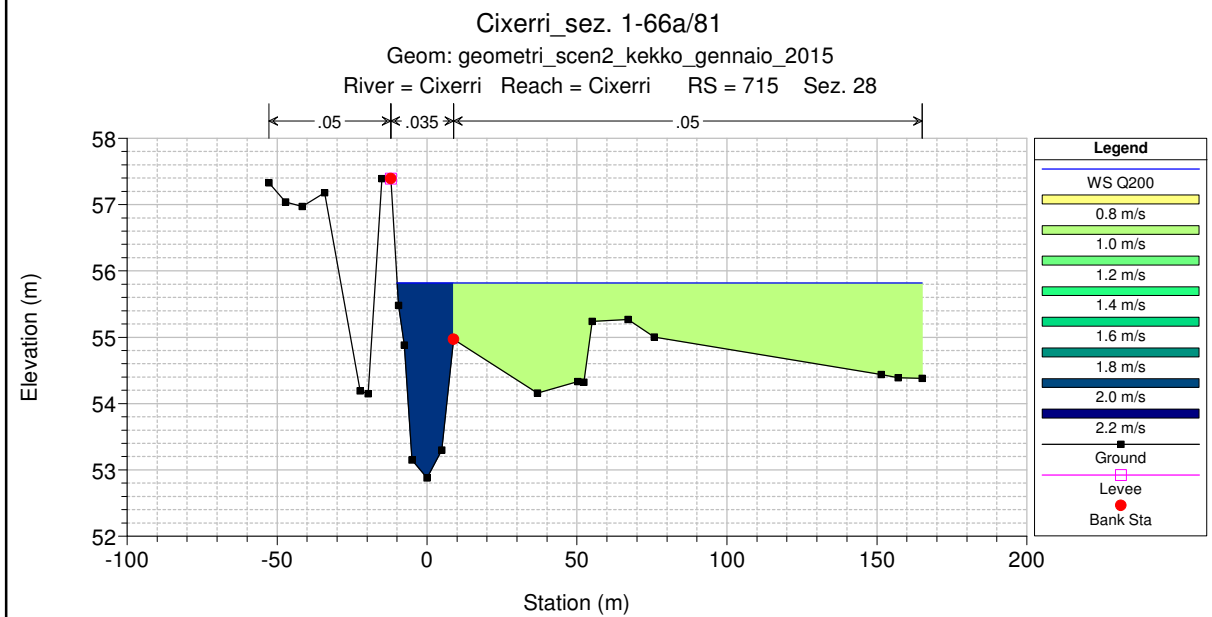
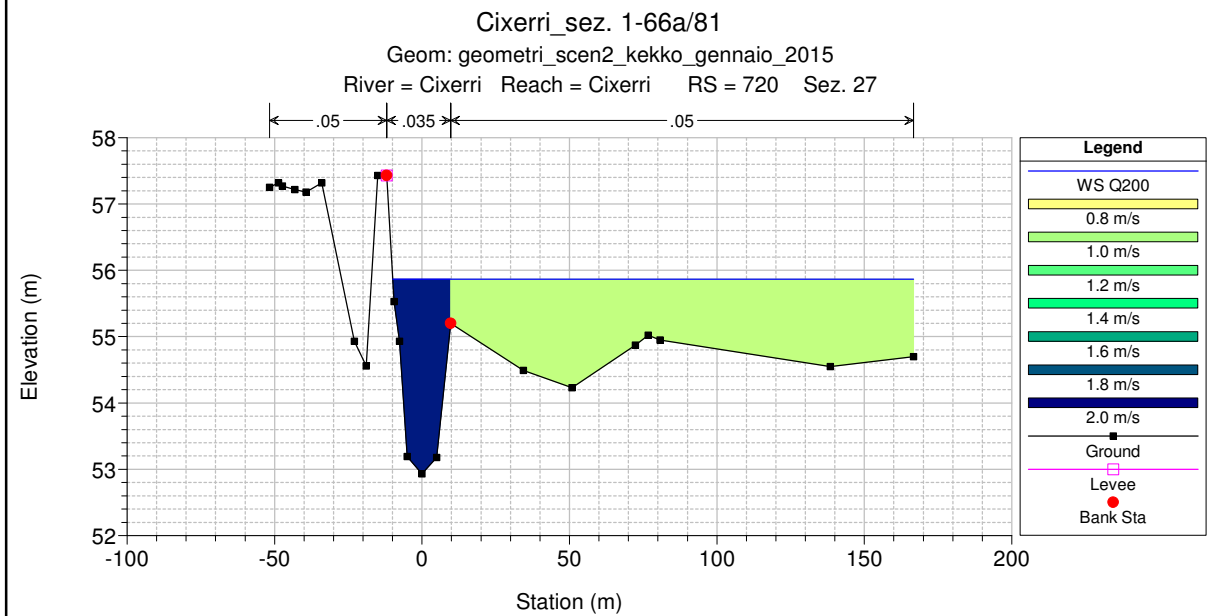
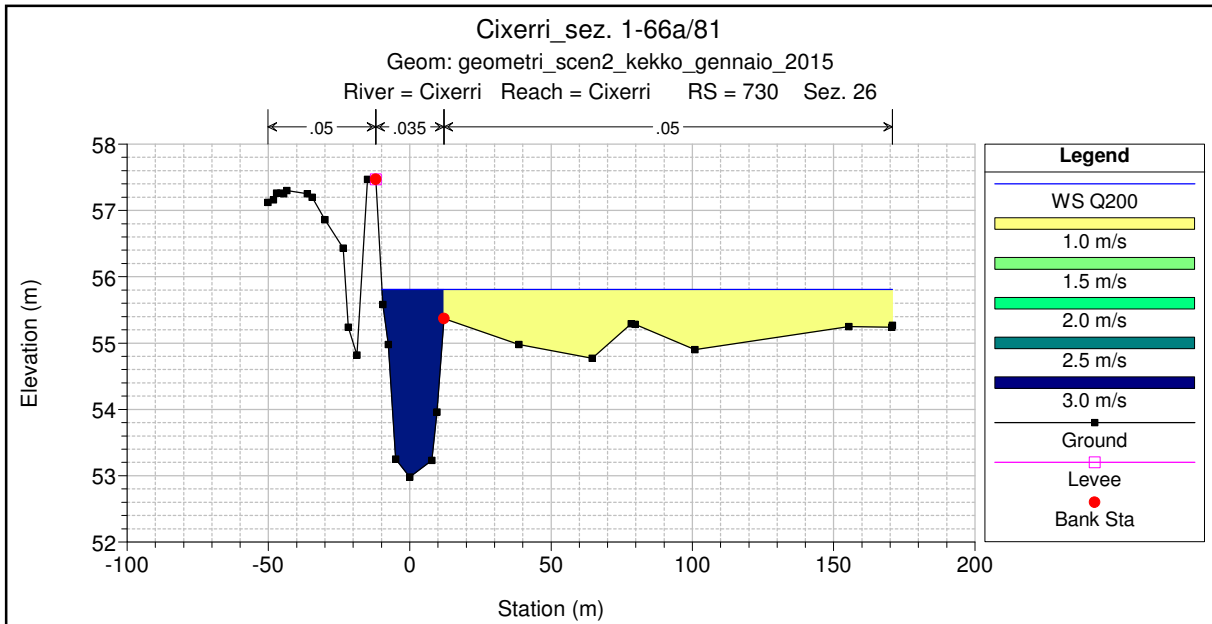
Sezioni Trasversali : distribuzione
delle velocità derivanti dalle
simulazioni di moto permanente

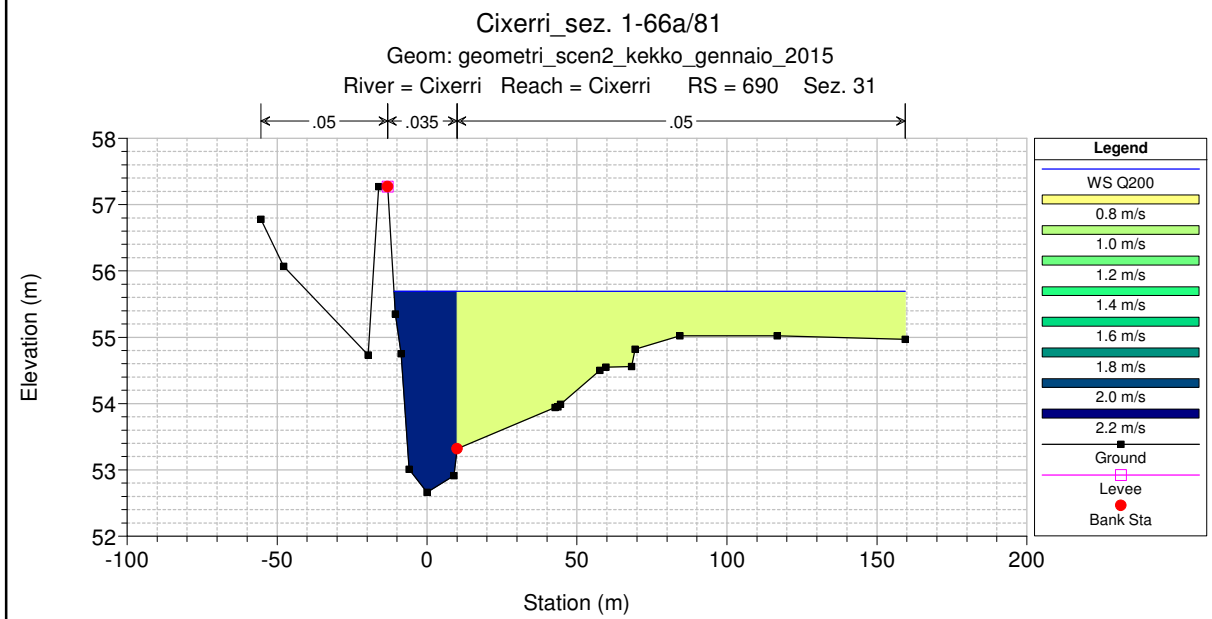
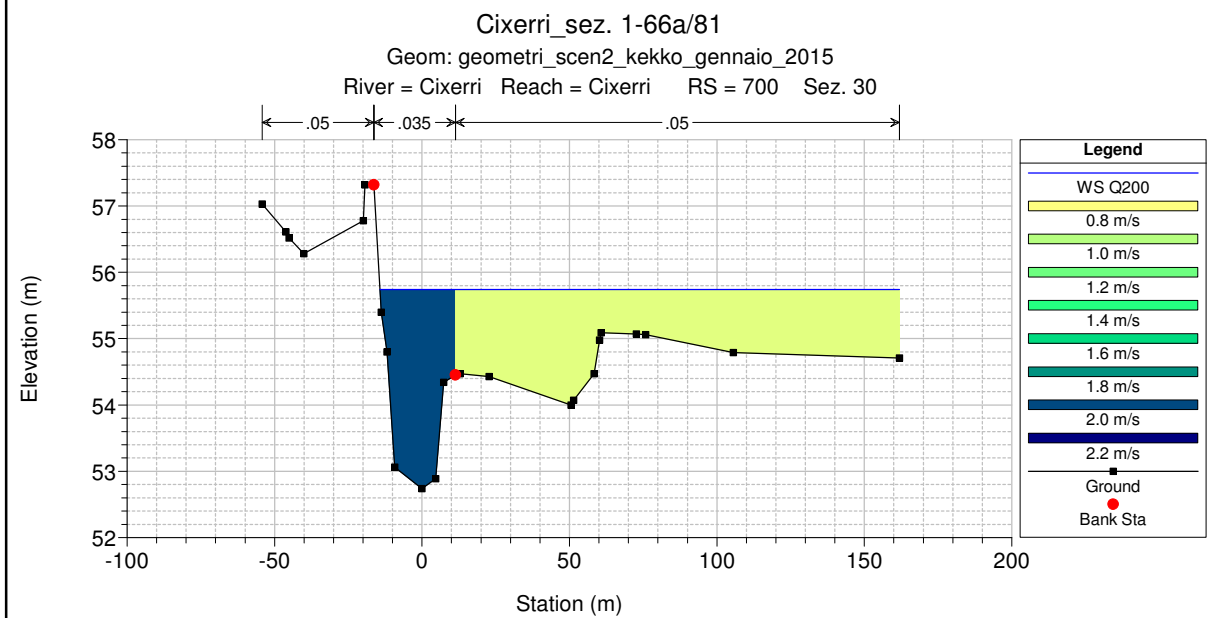
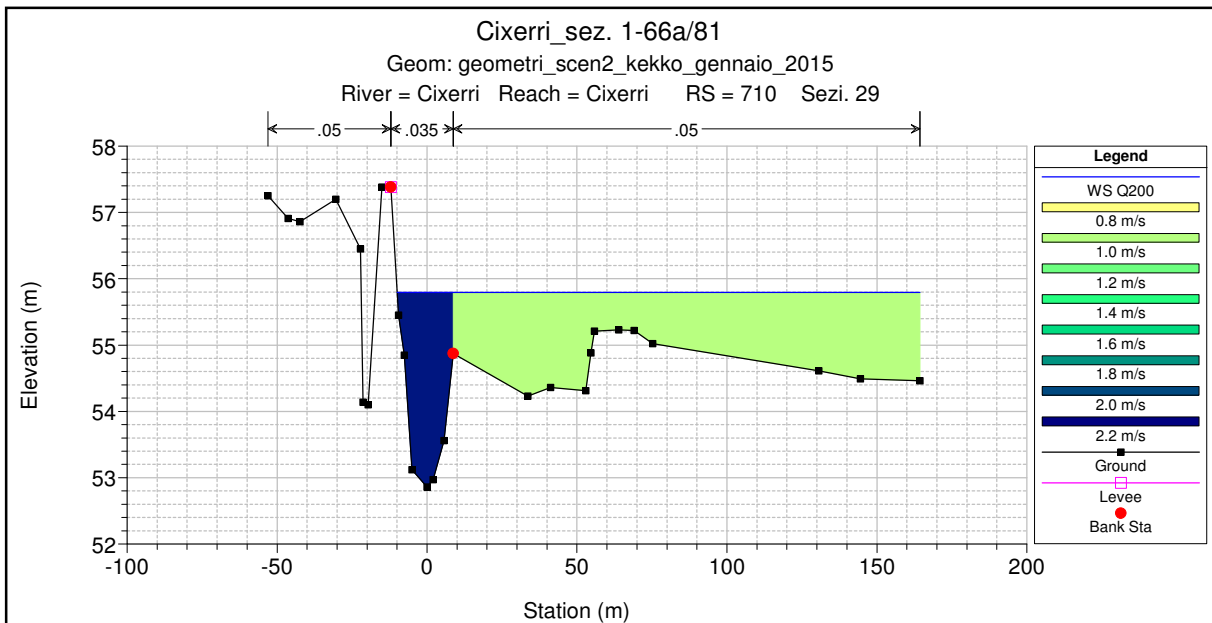
Portate : Q200

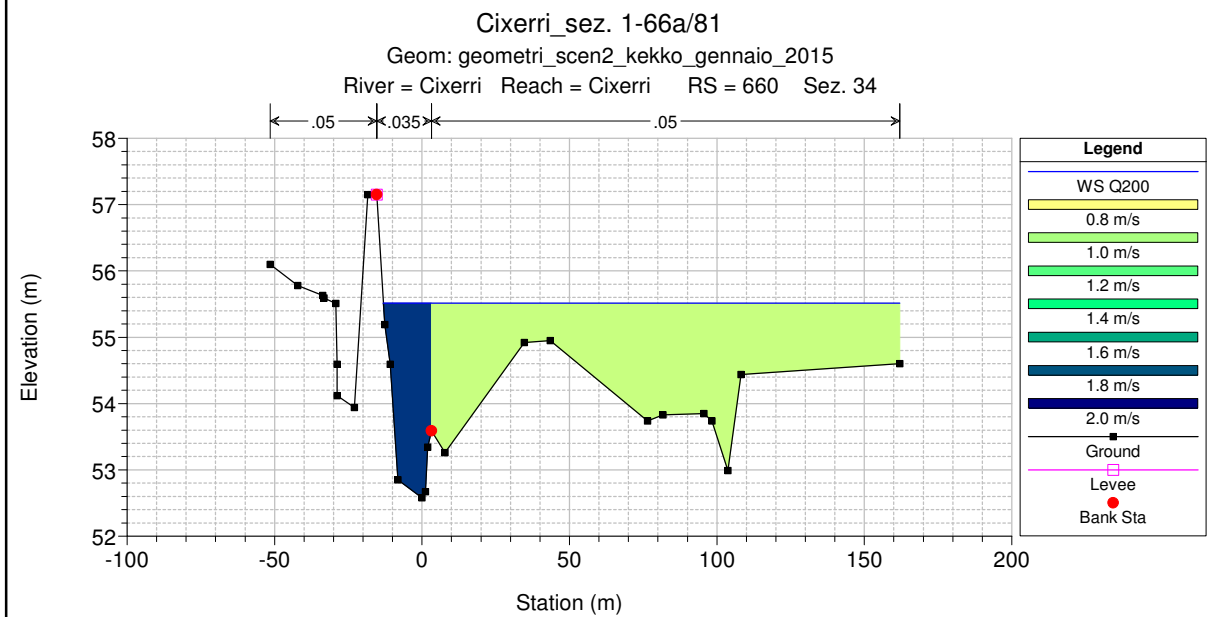
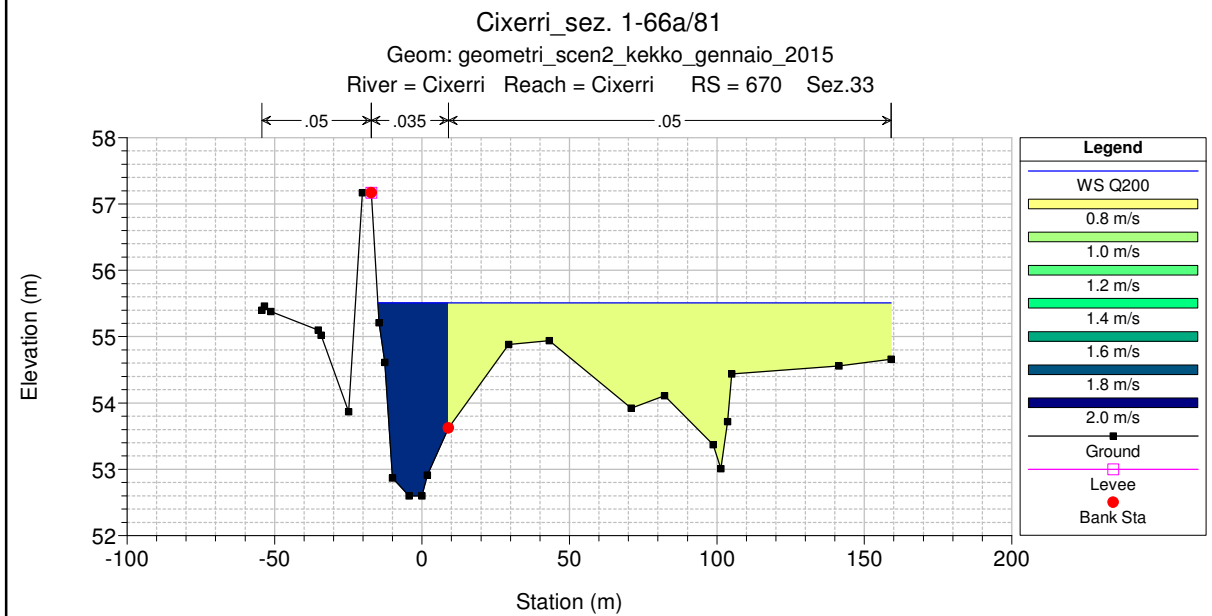
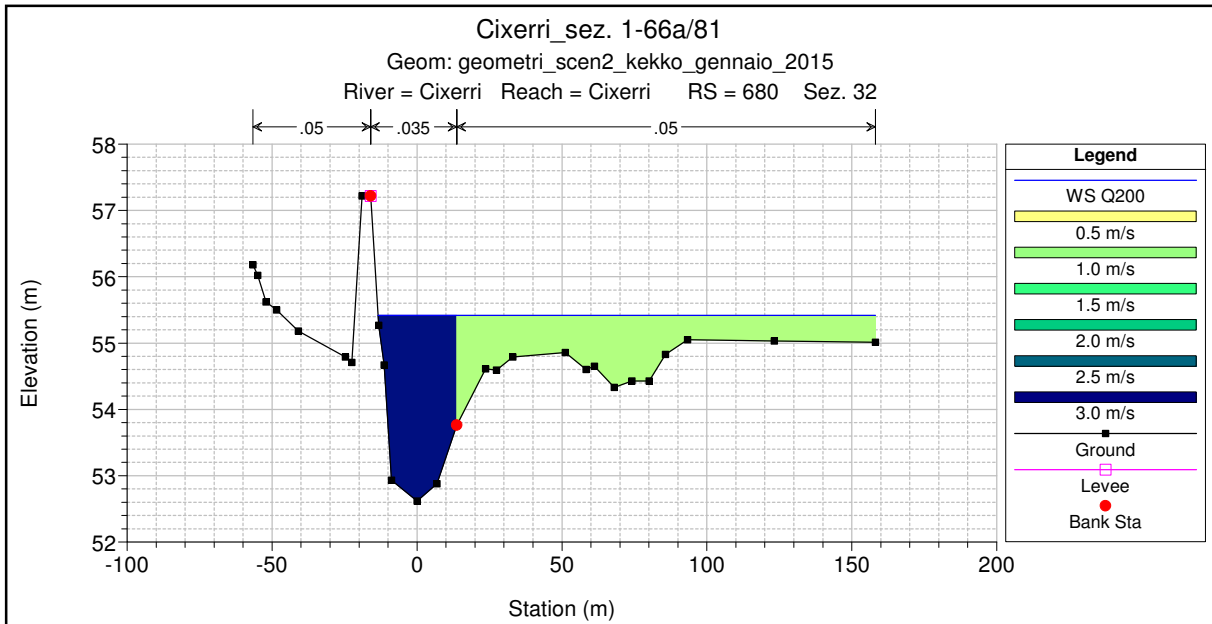


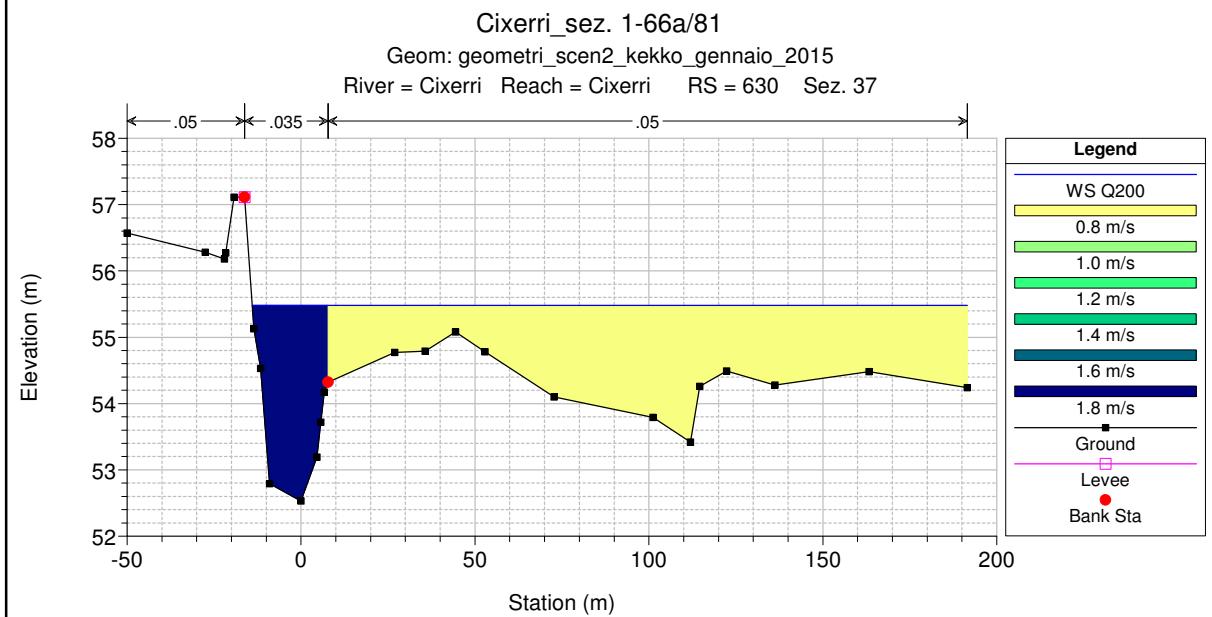
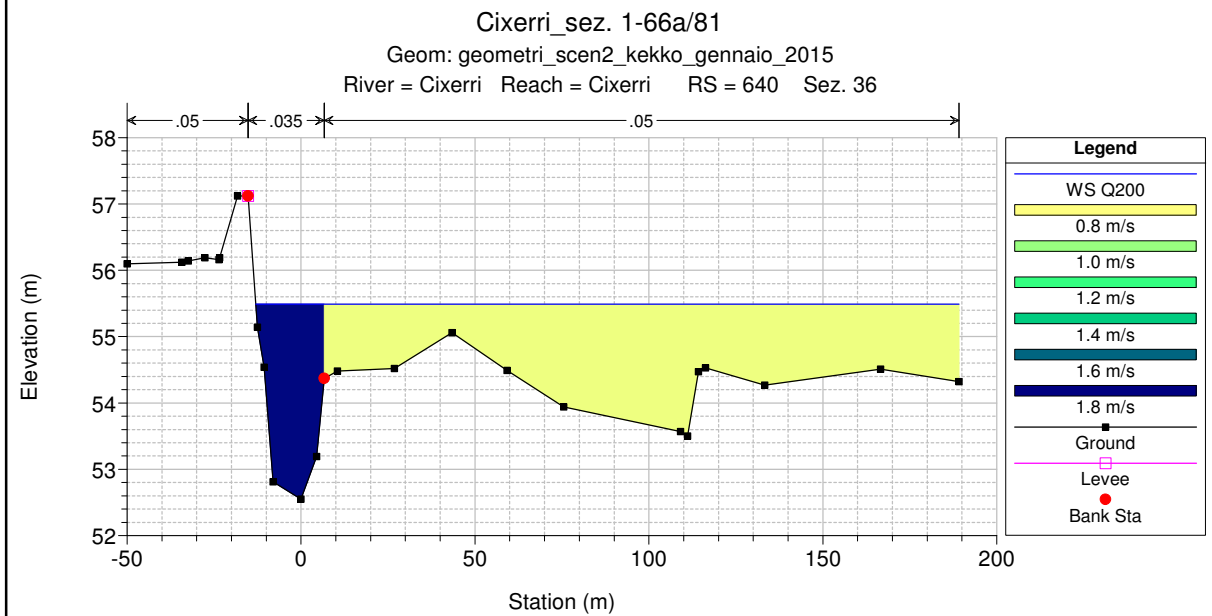
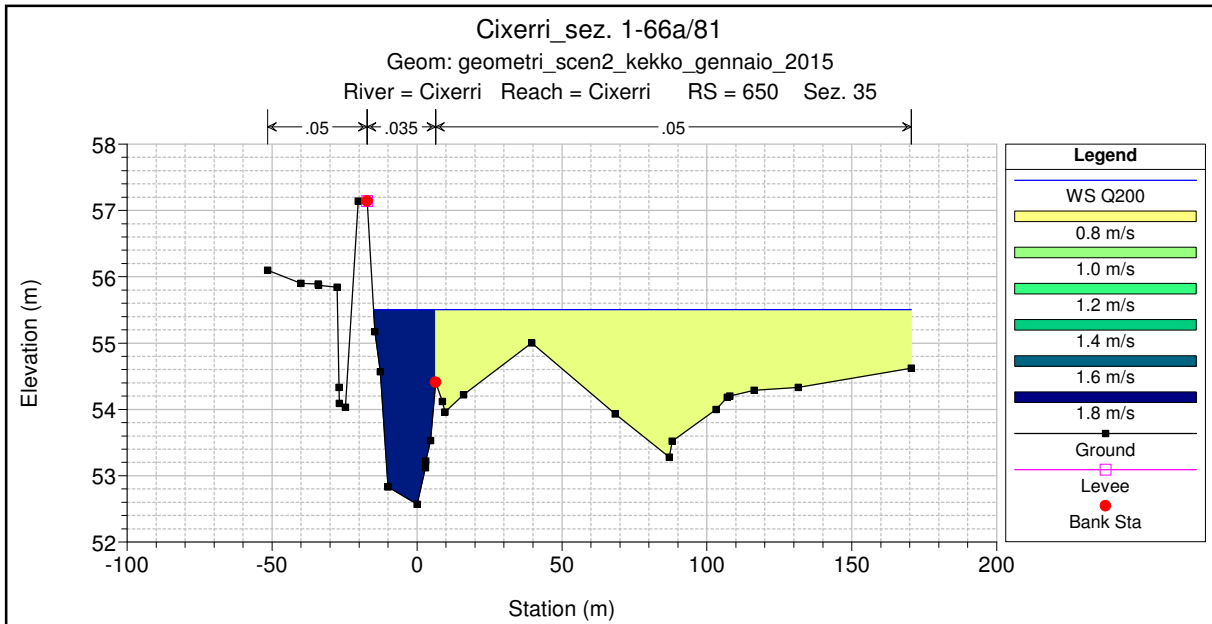


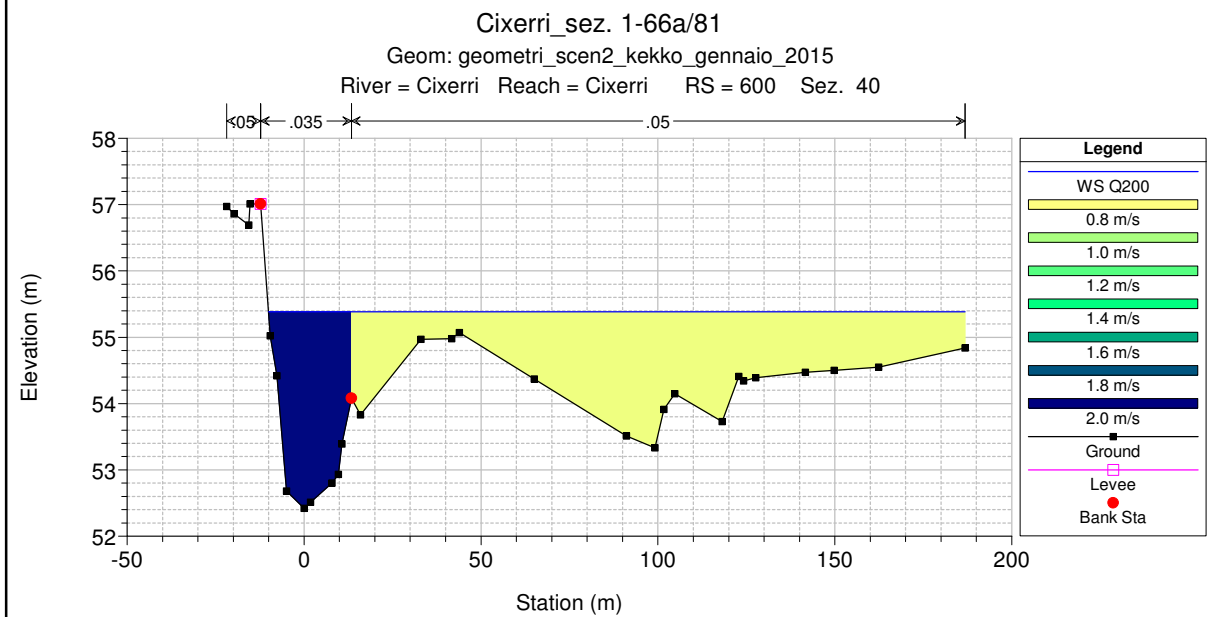
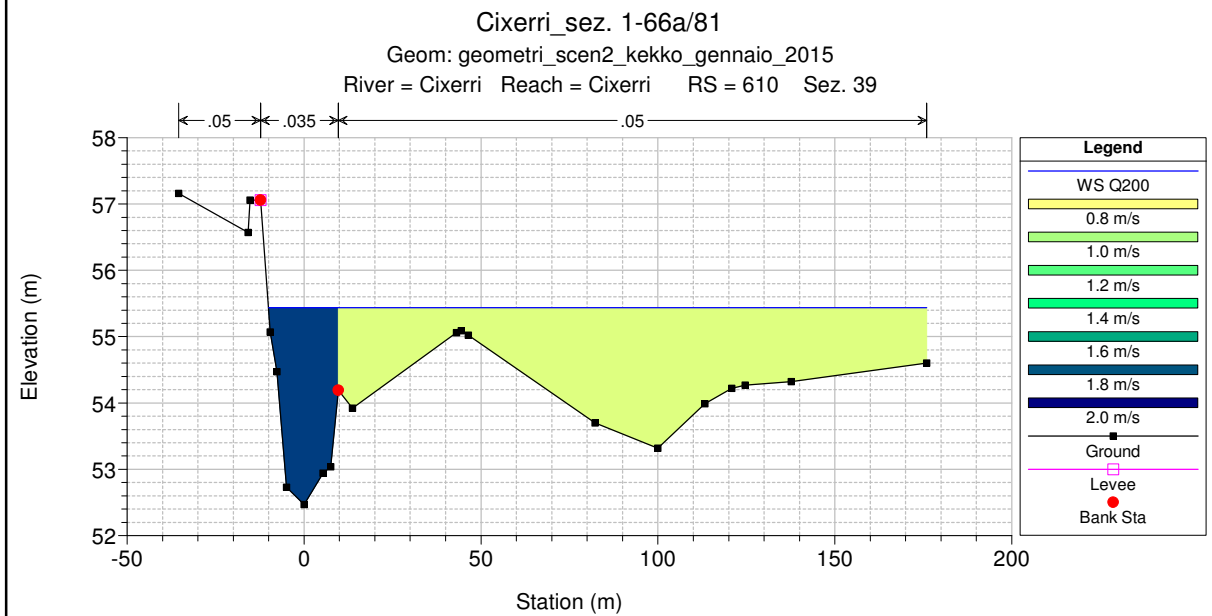
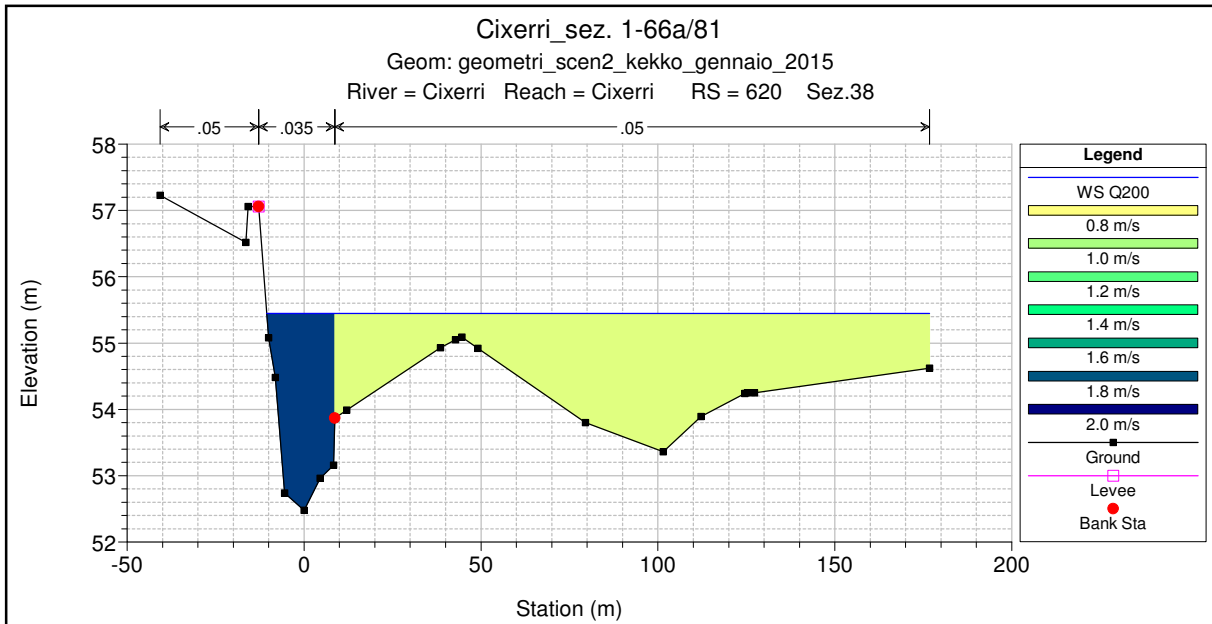


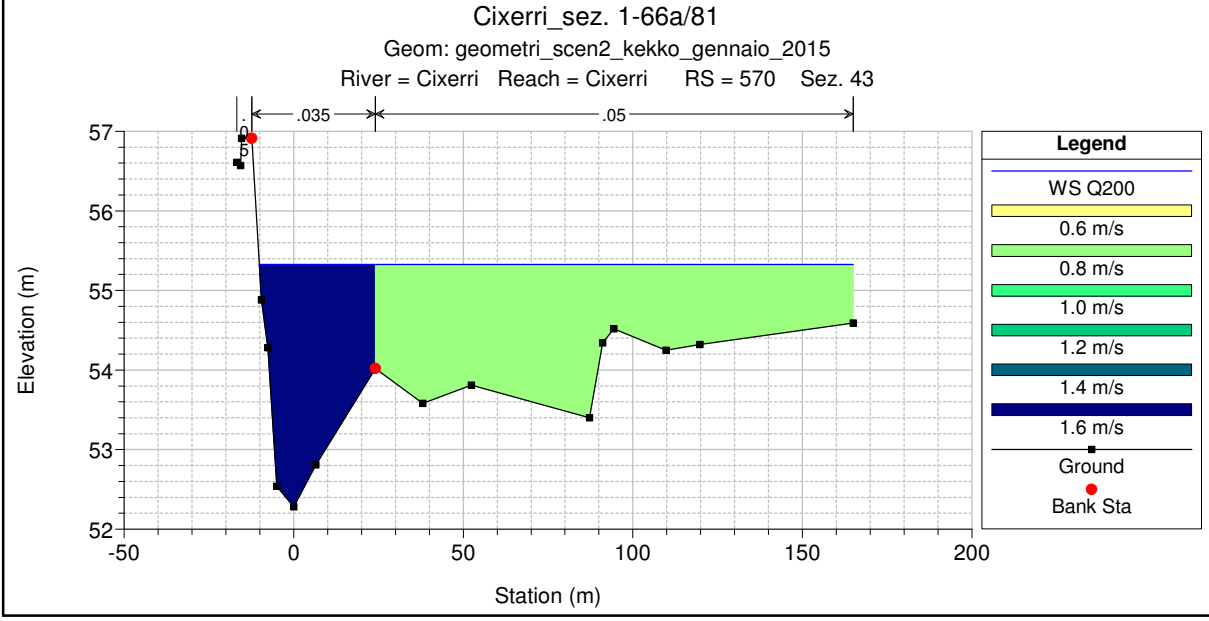
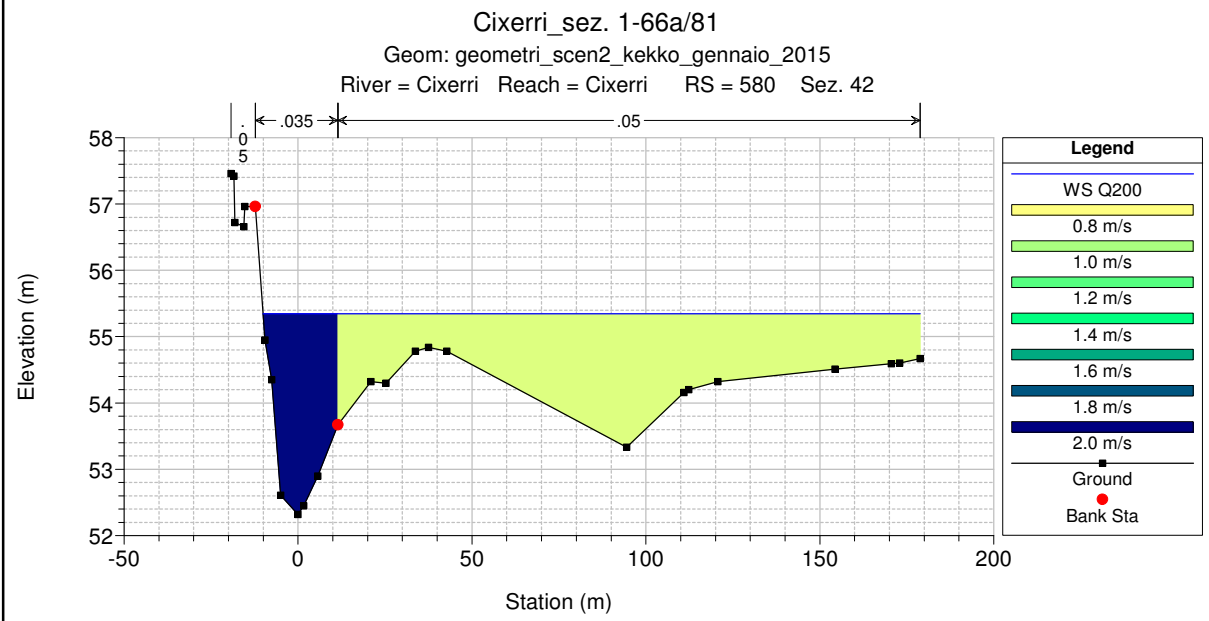
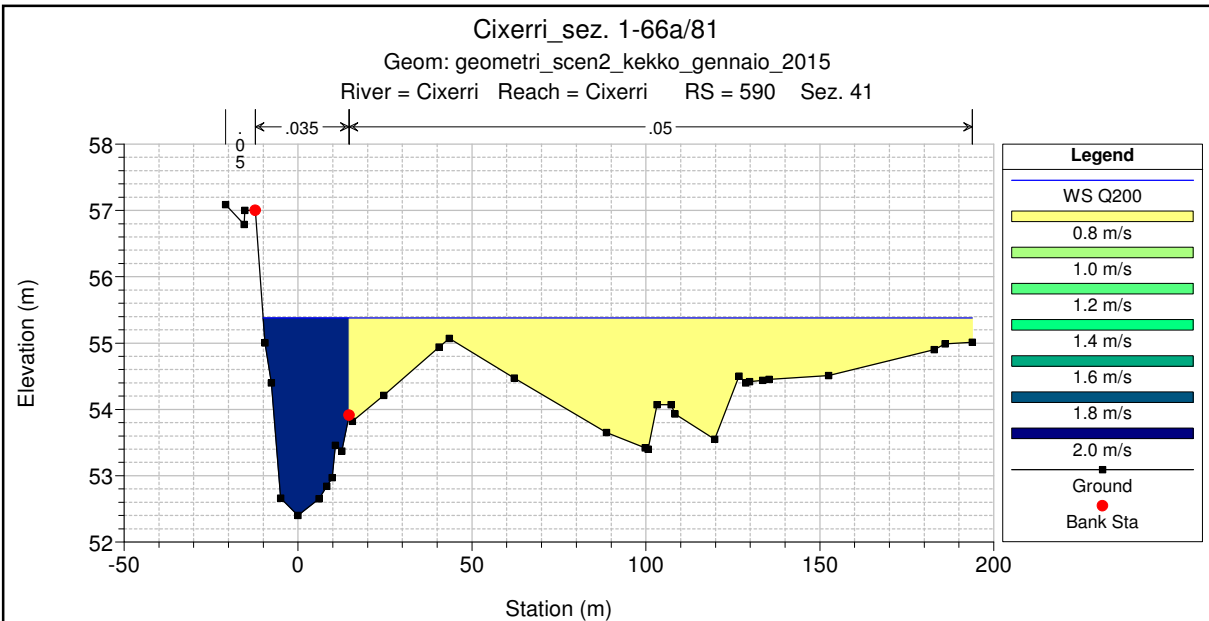


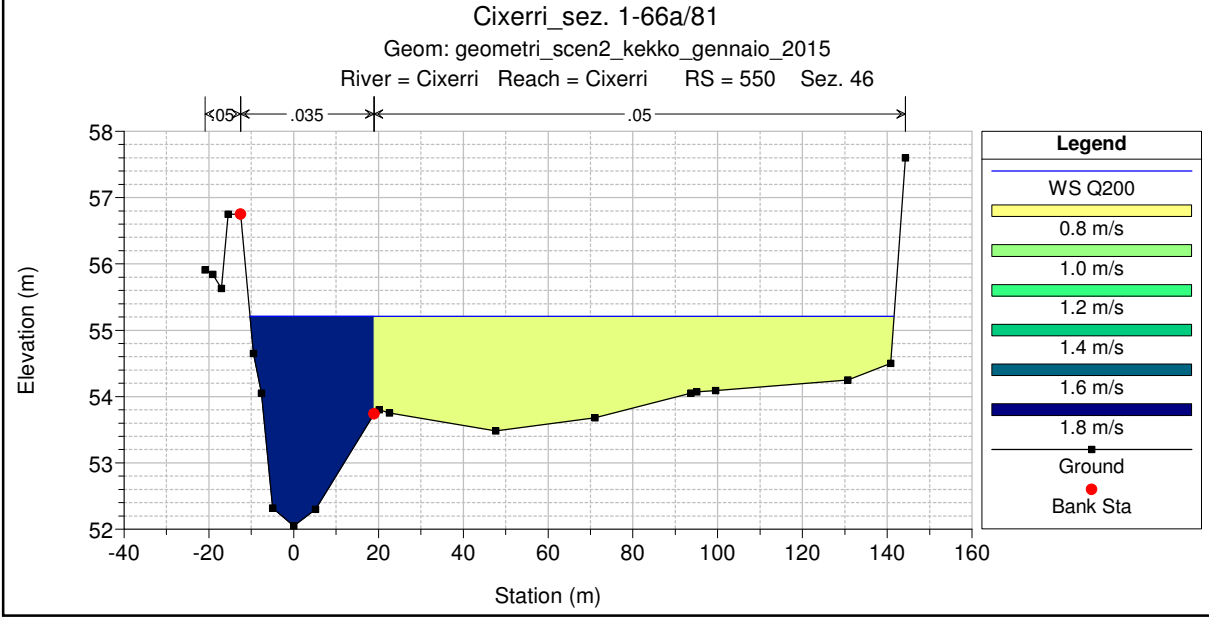
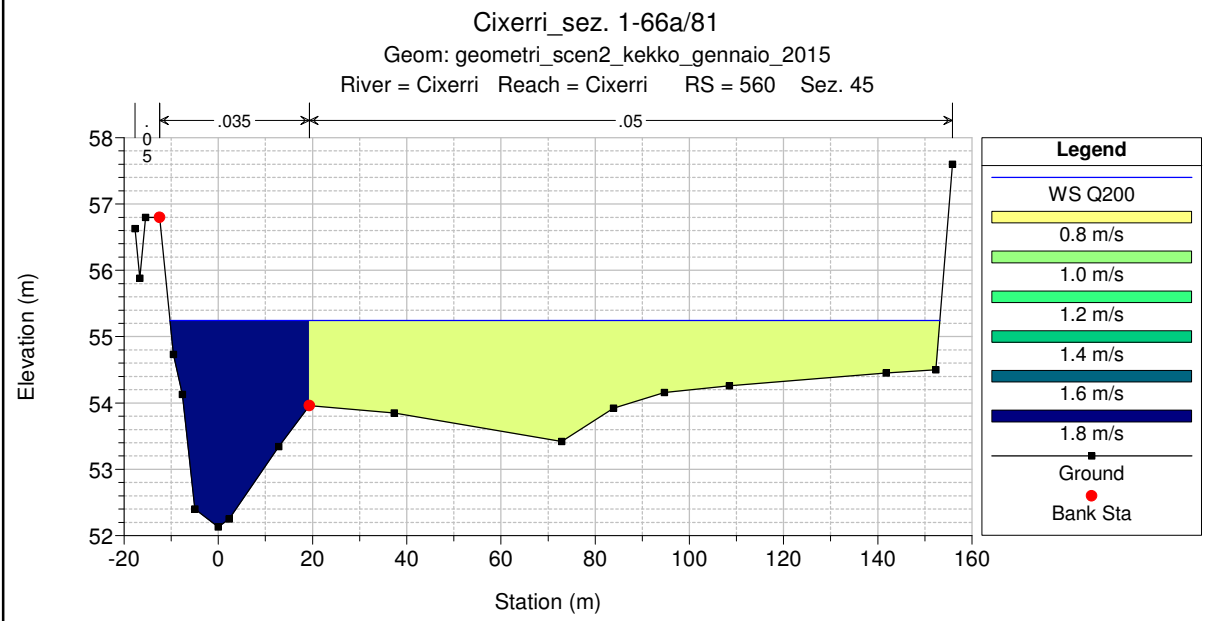
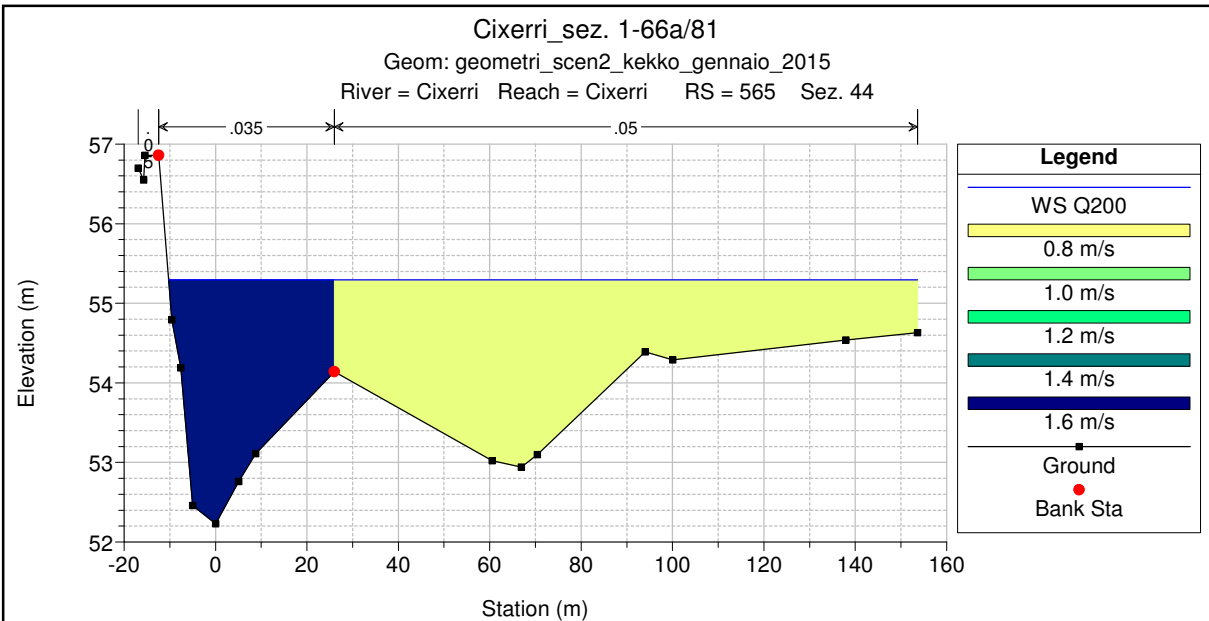


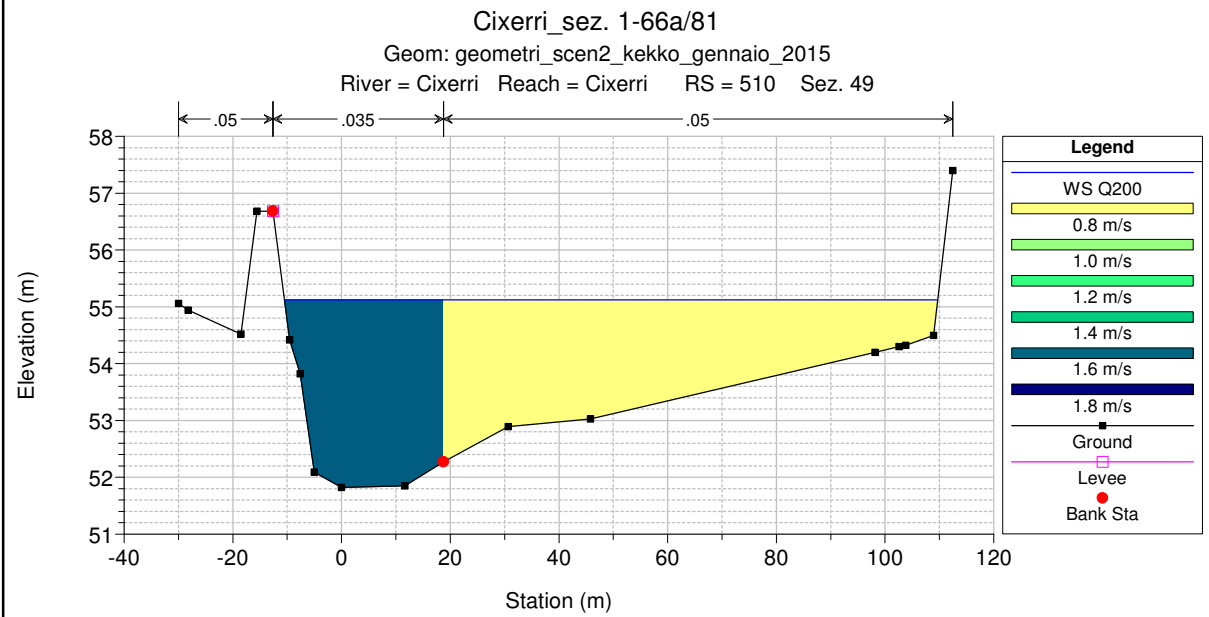
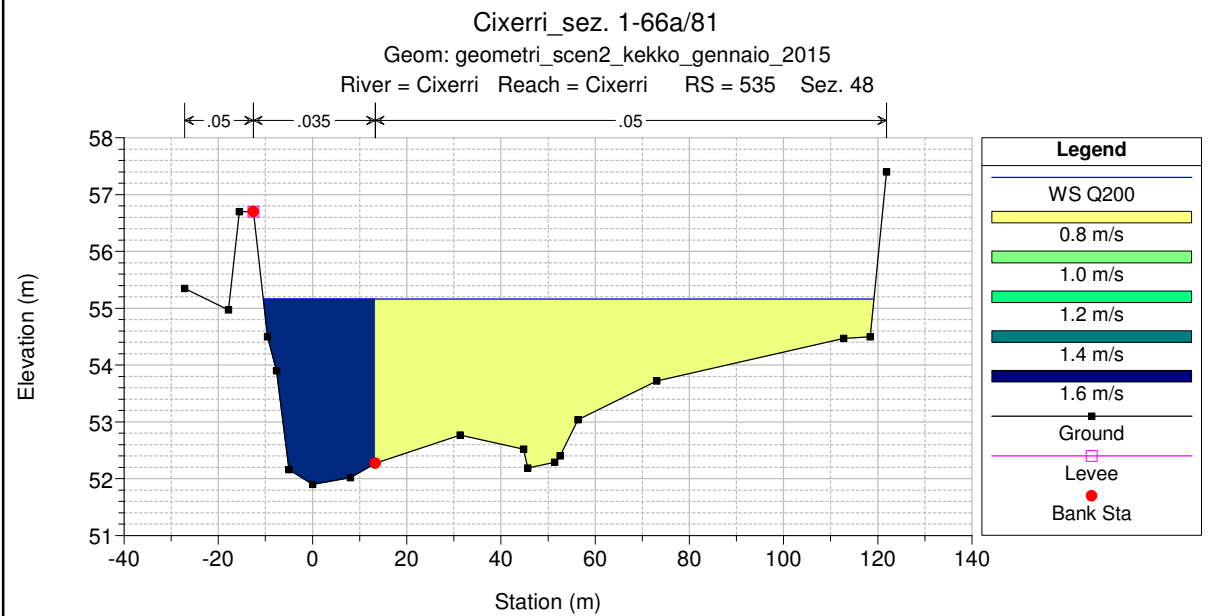
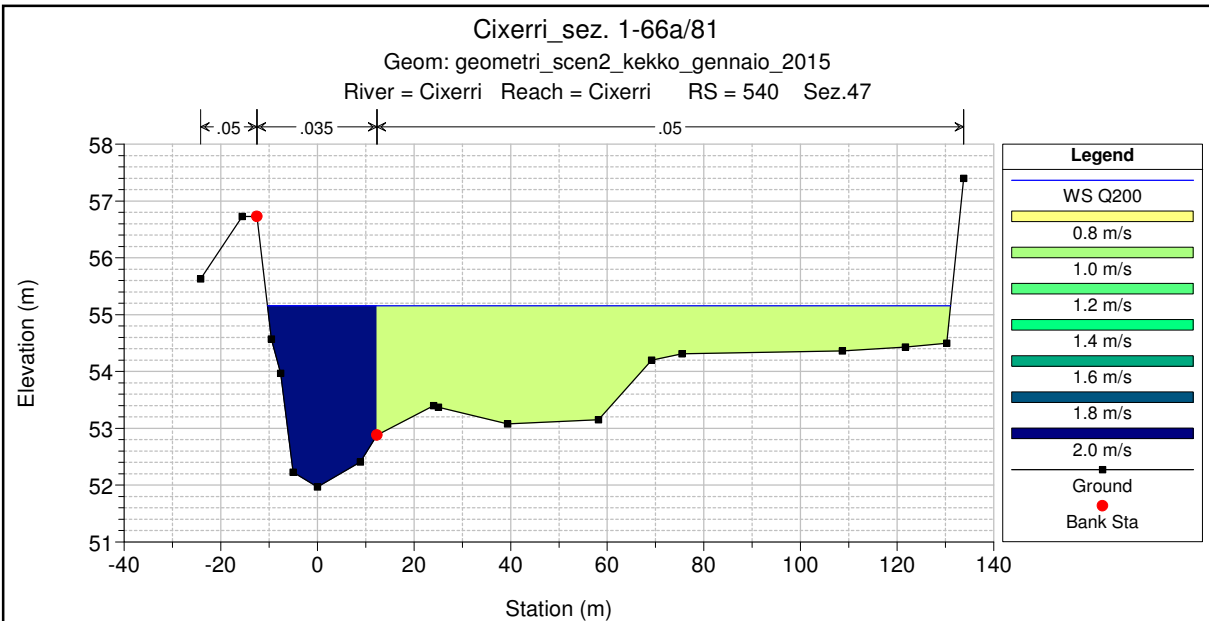


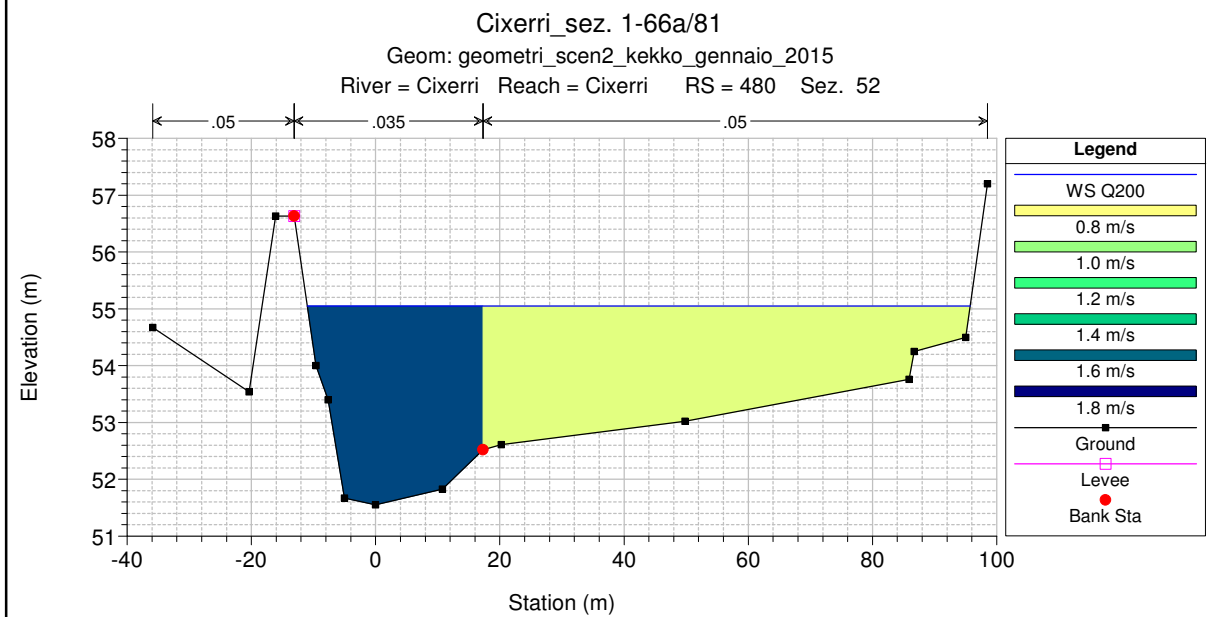
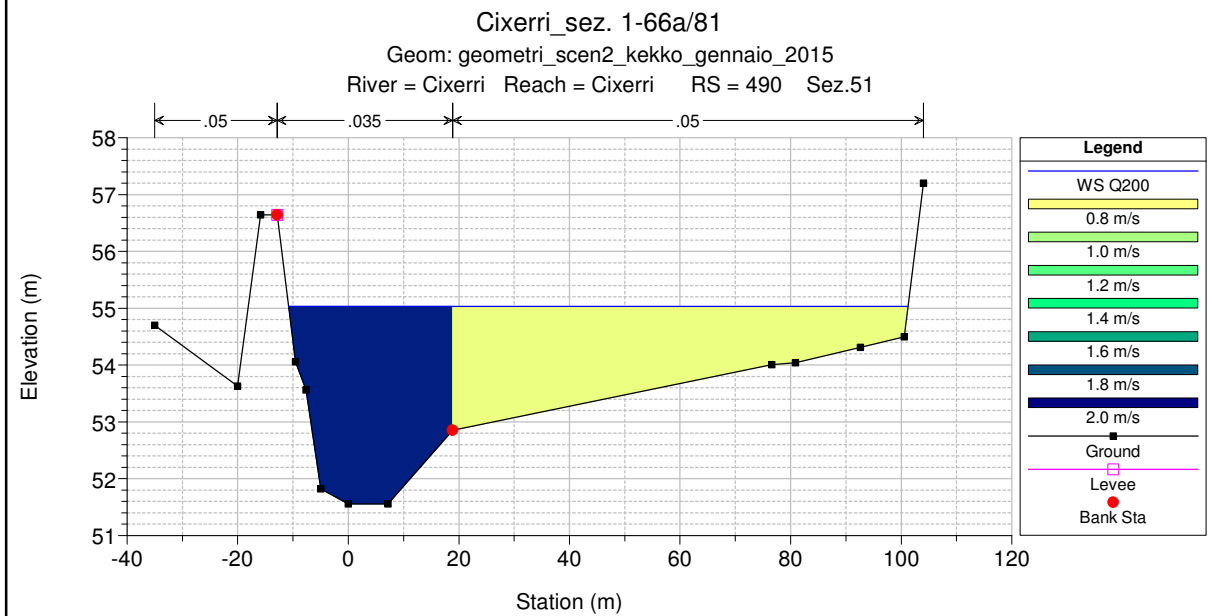
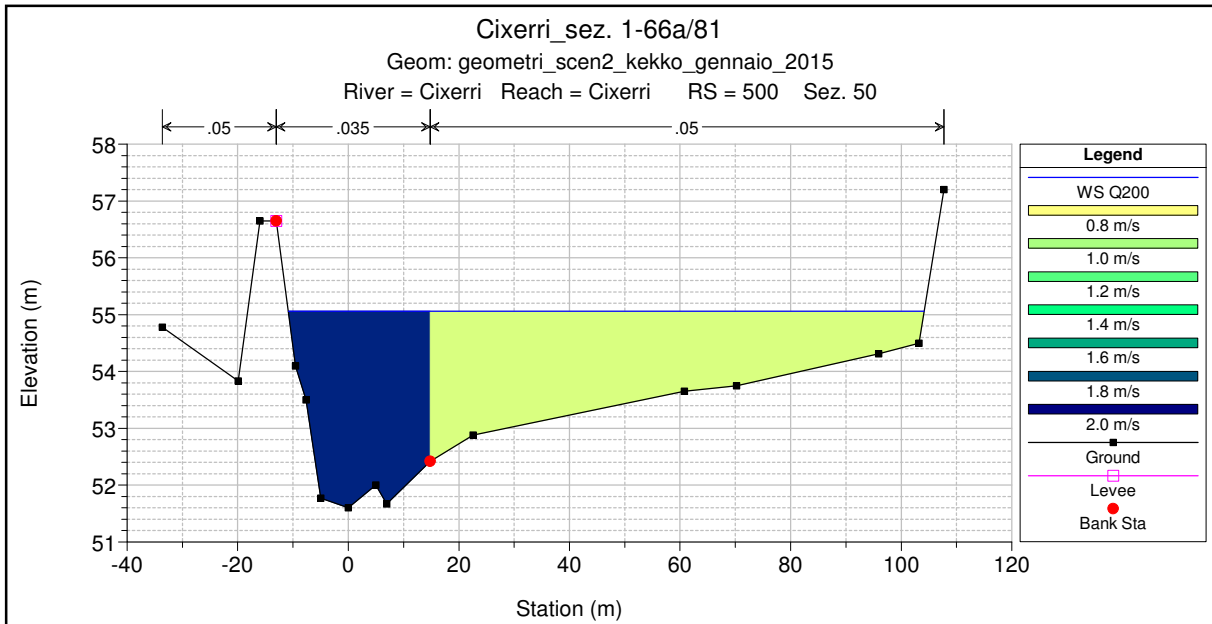


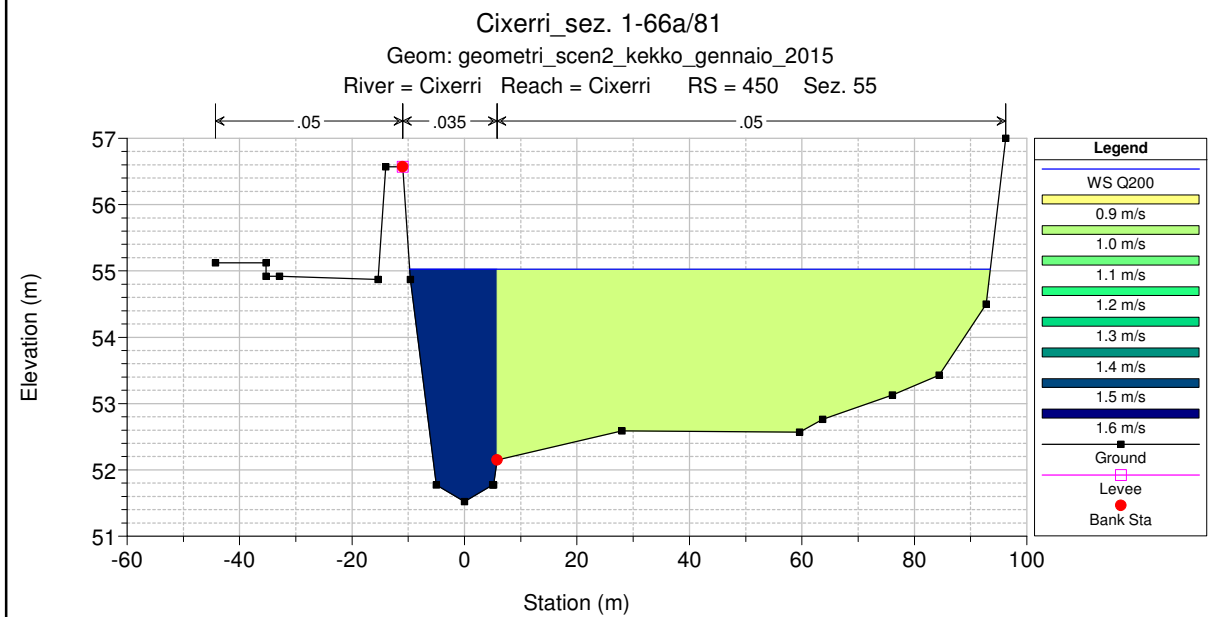
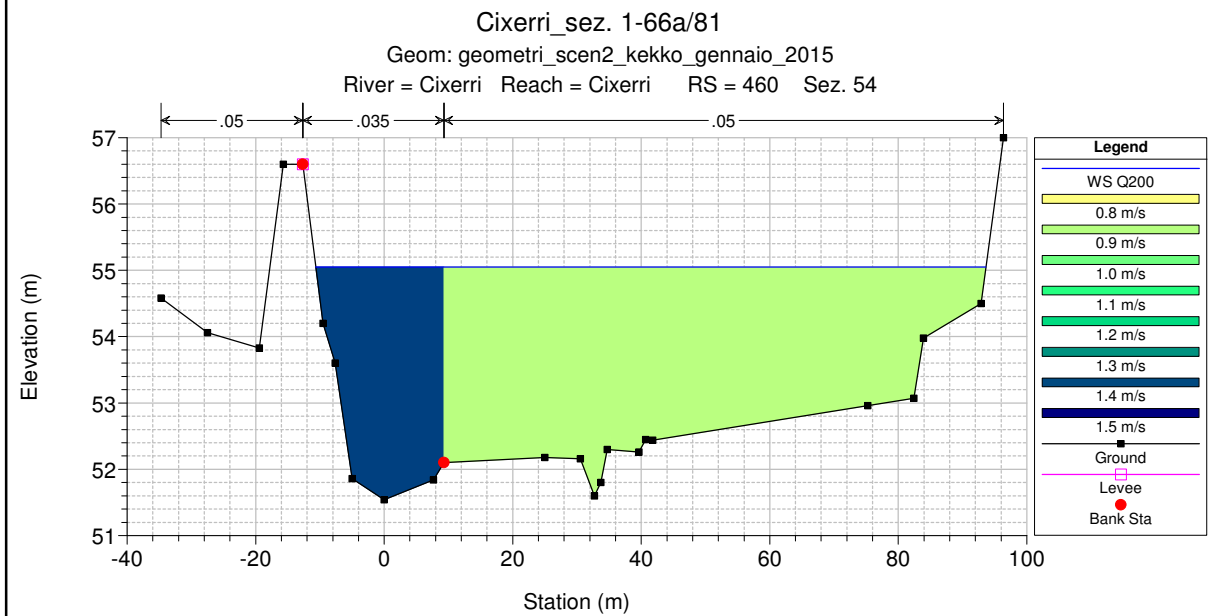
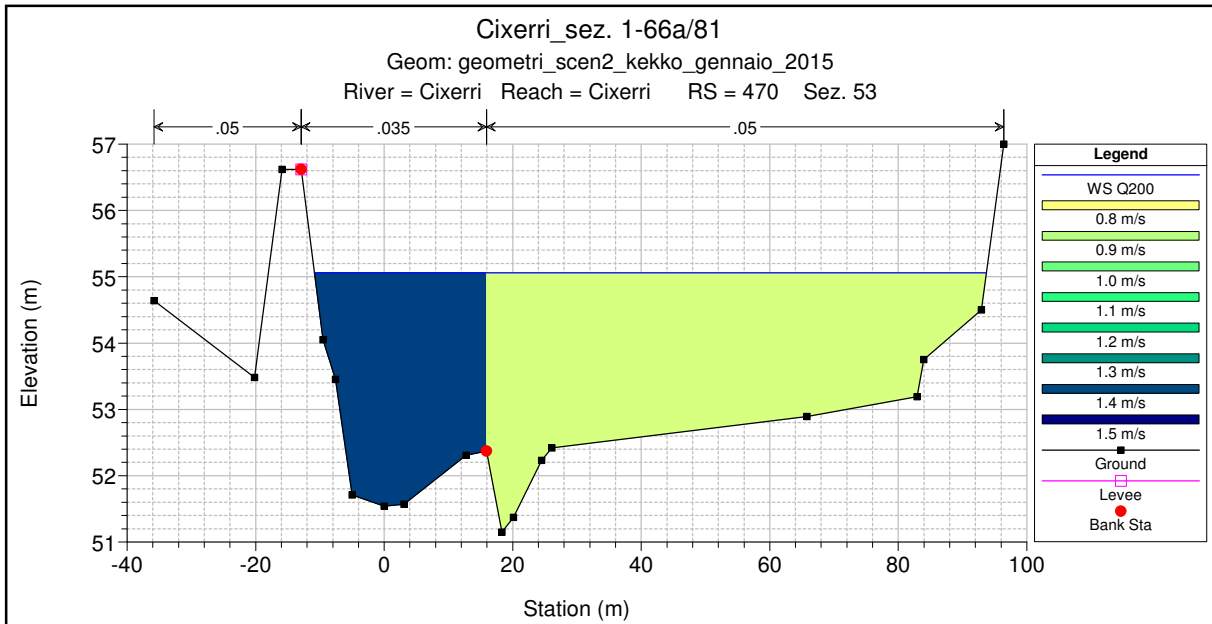


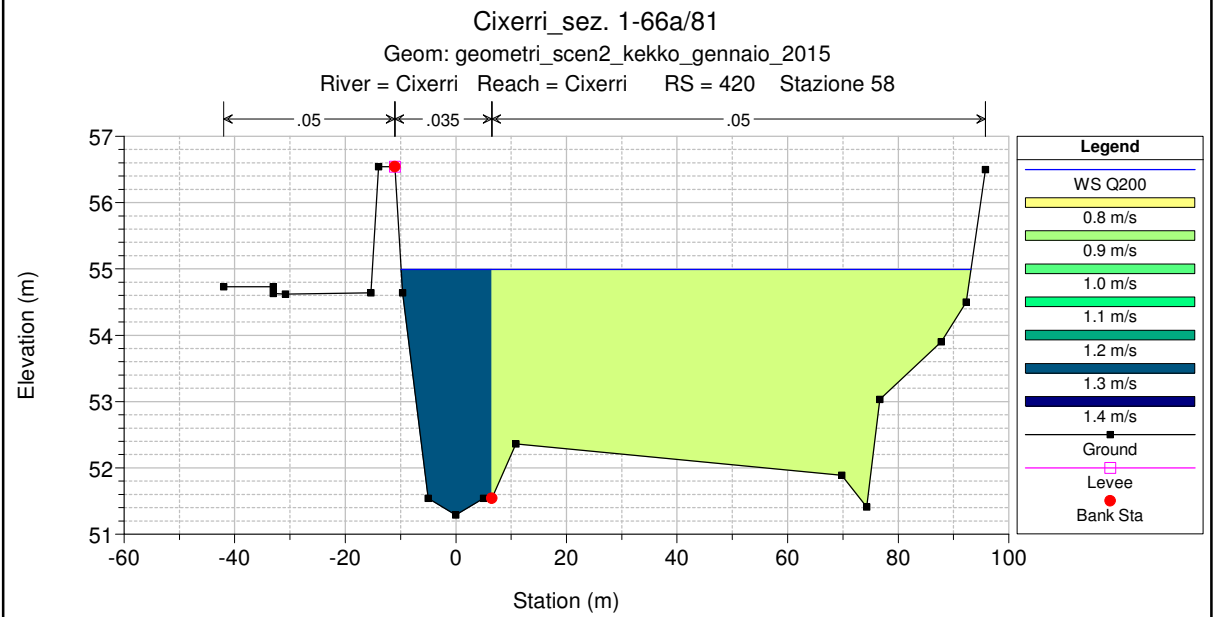
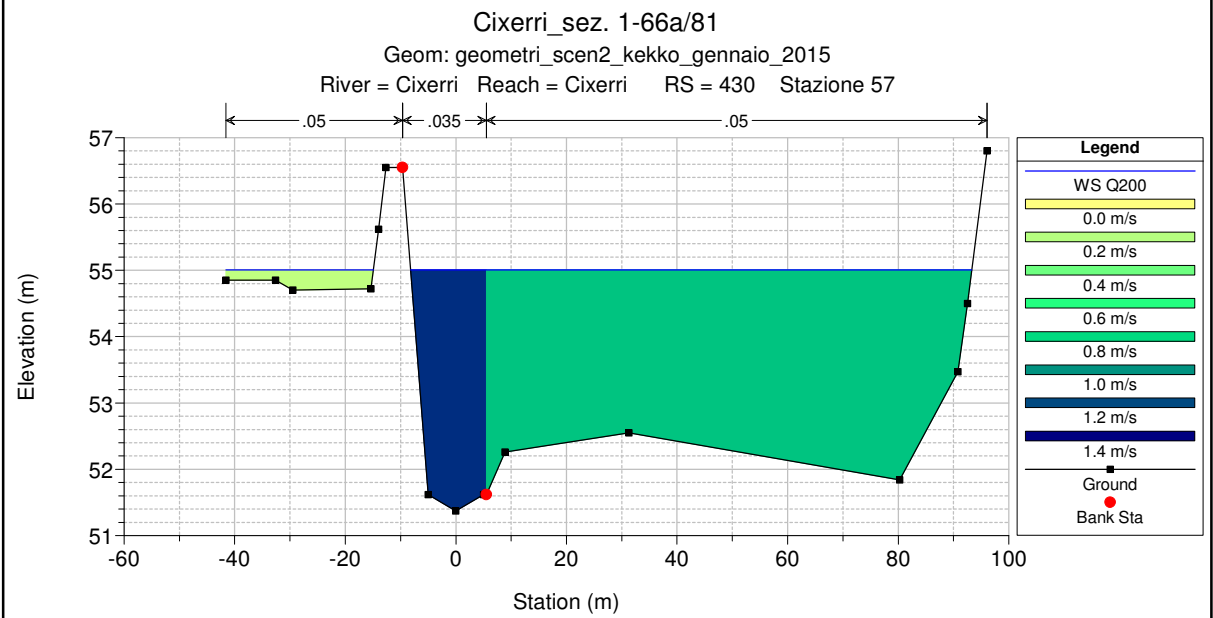
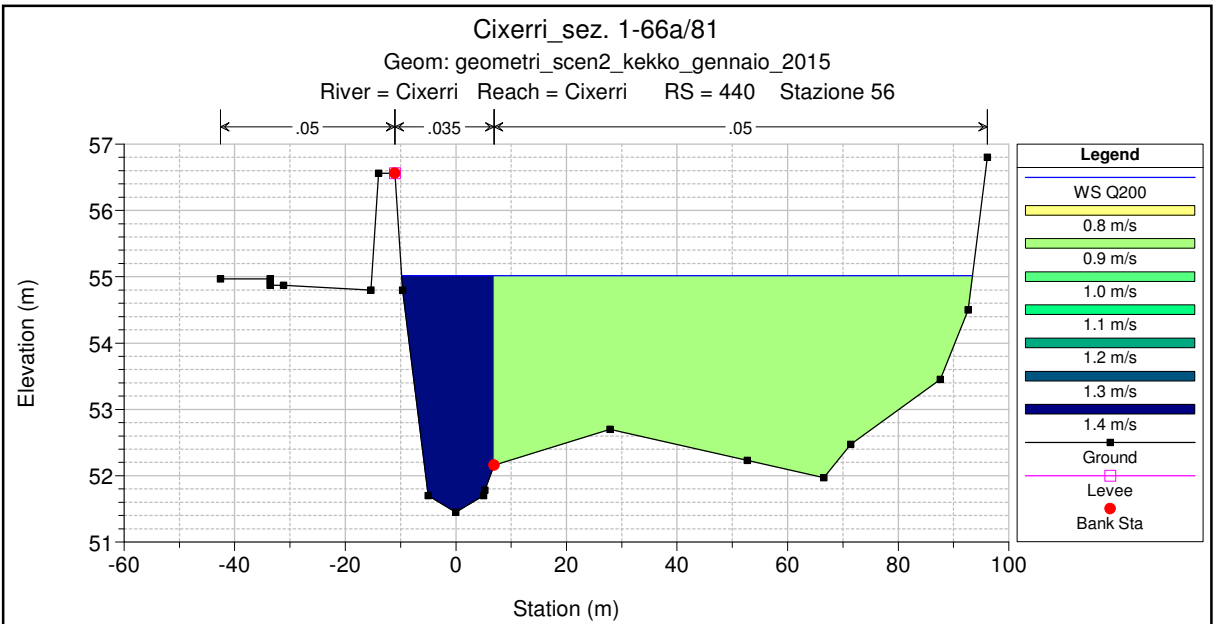


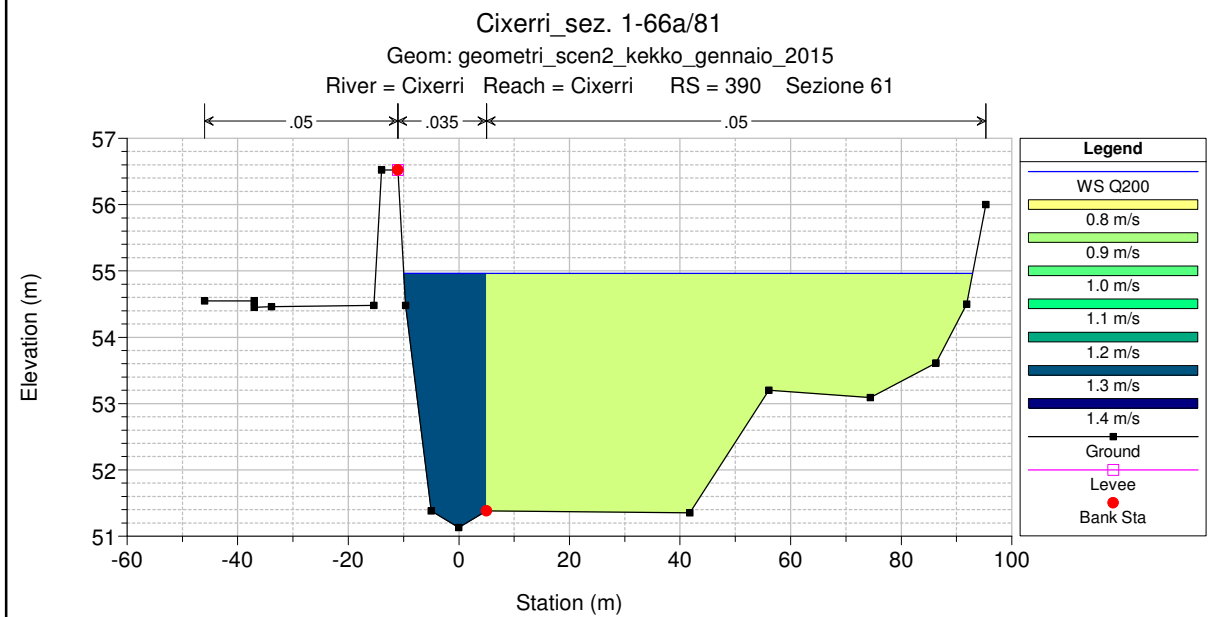
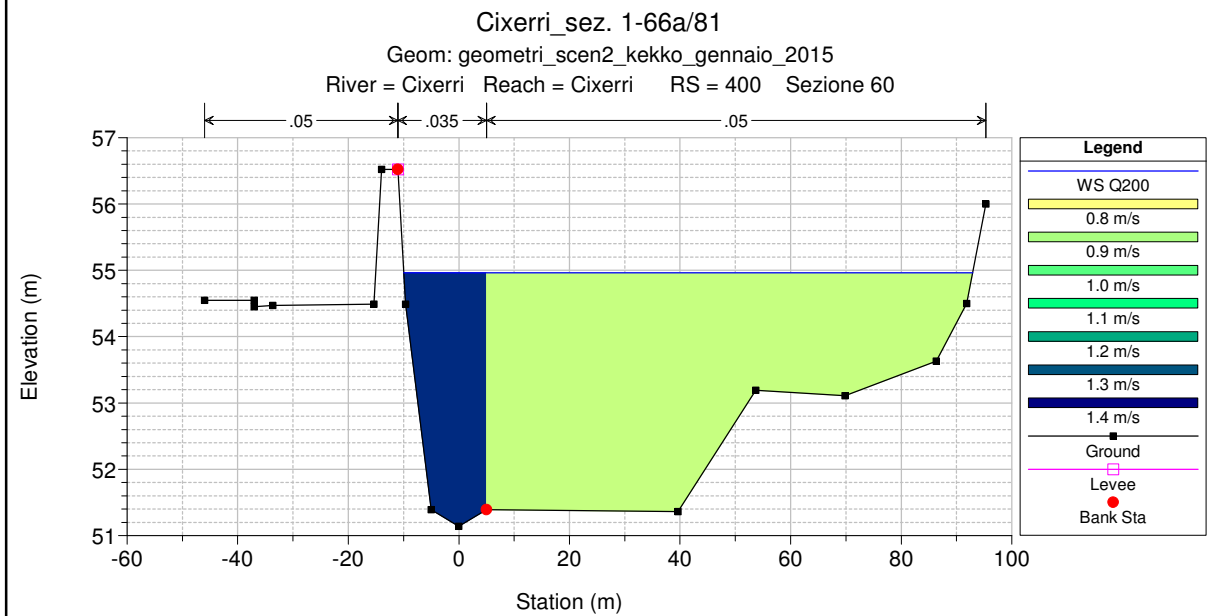
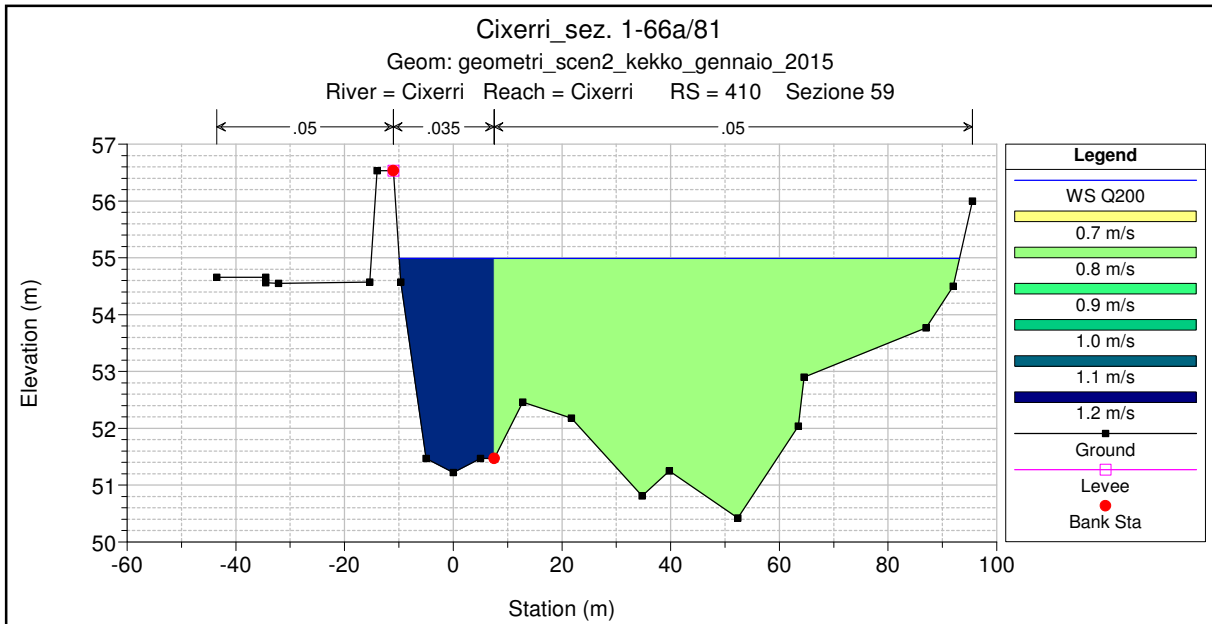


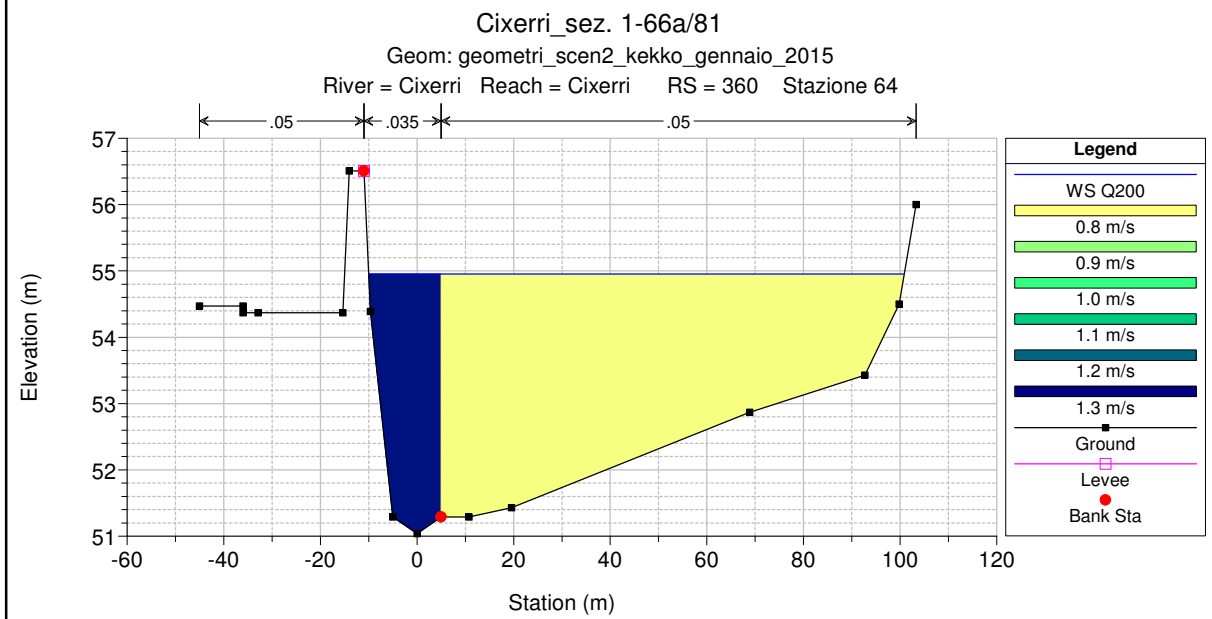
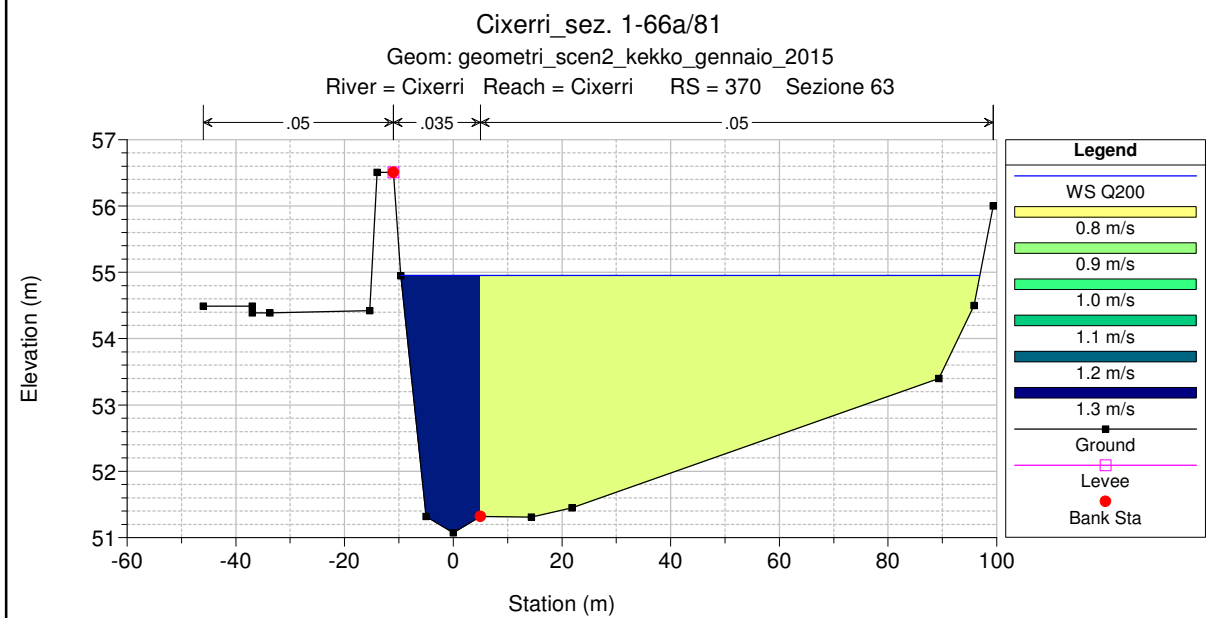
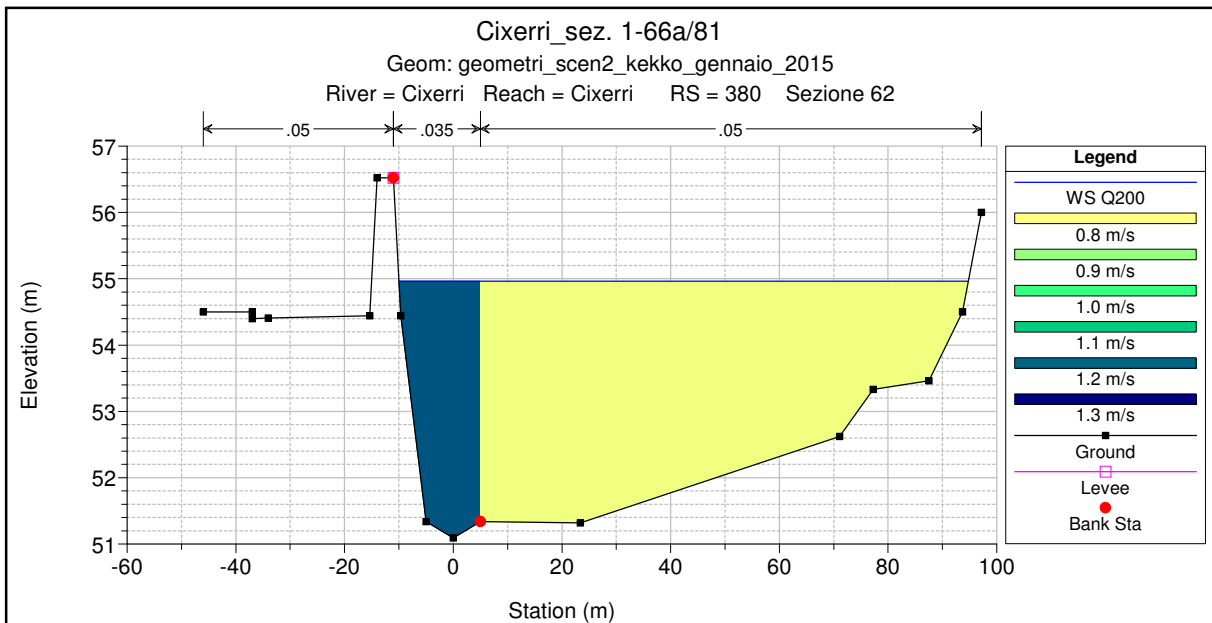


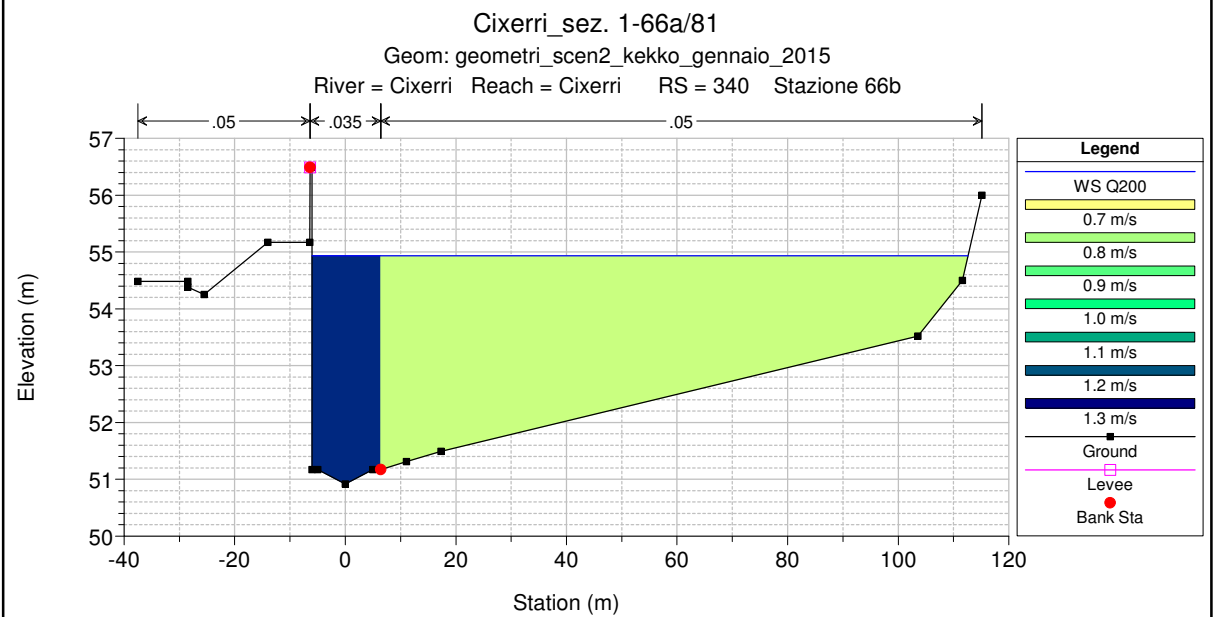
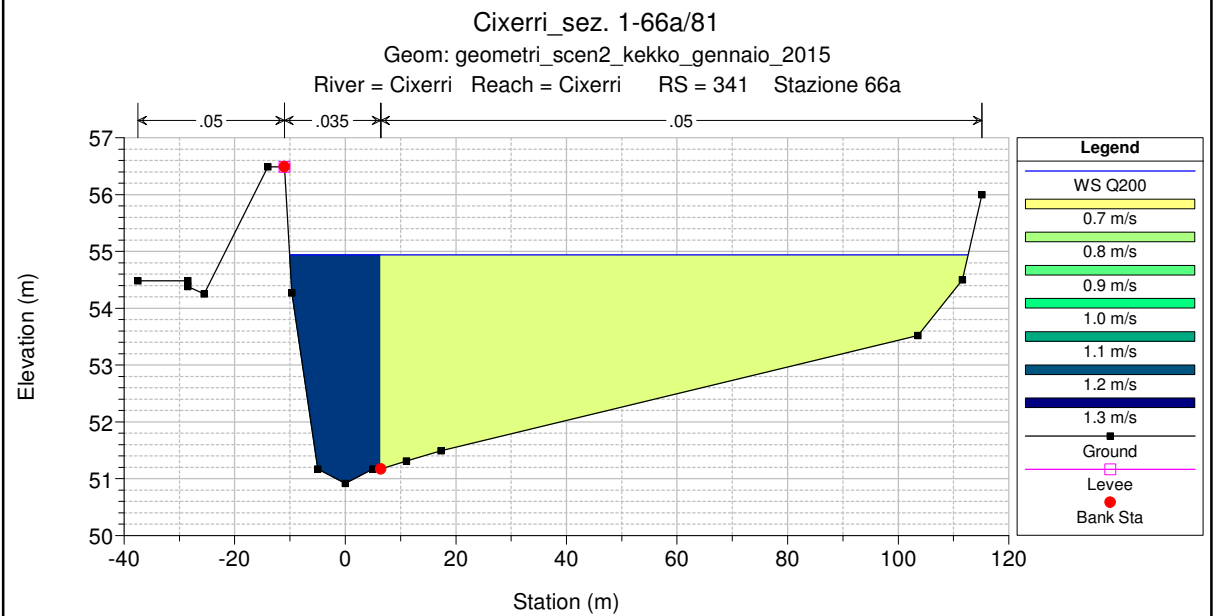
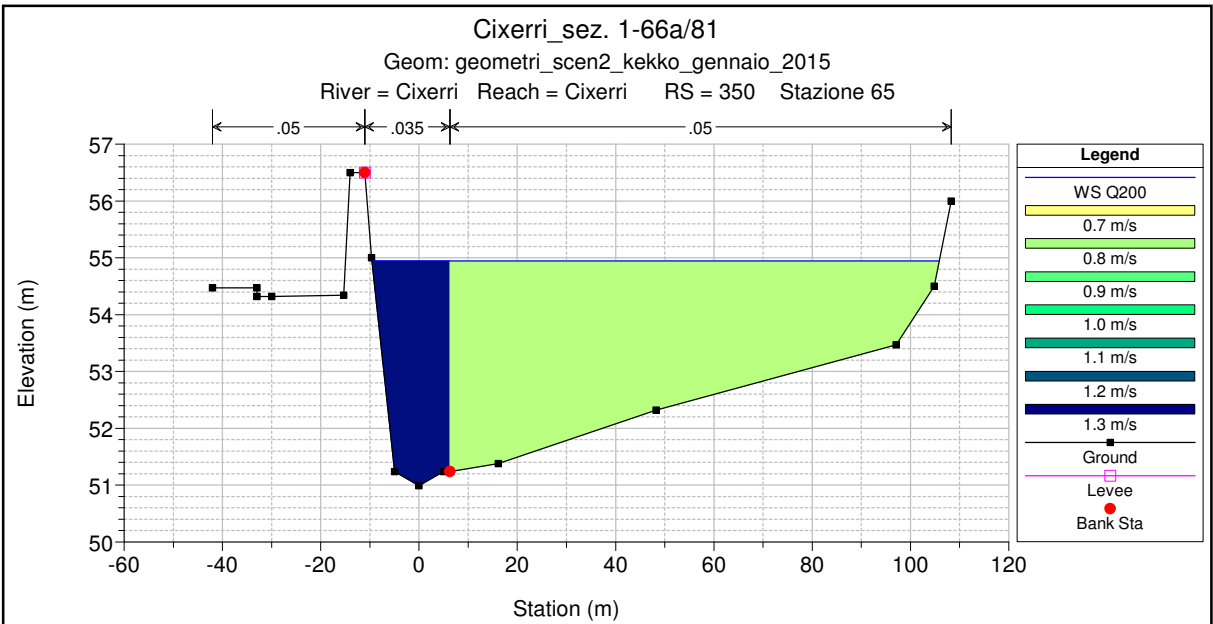


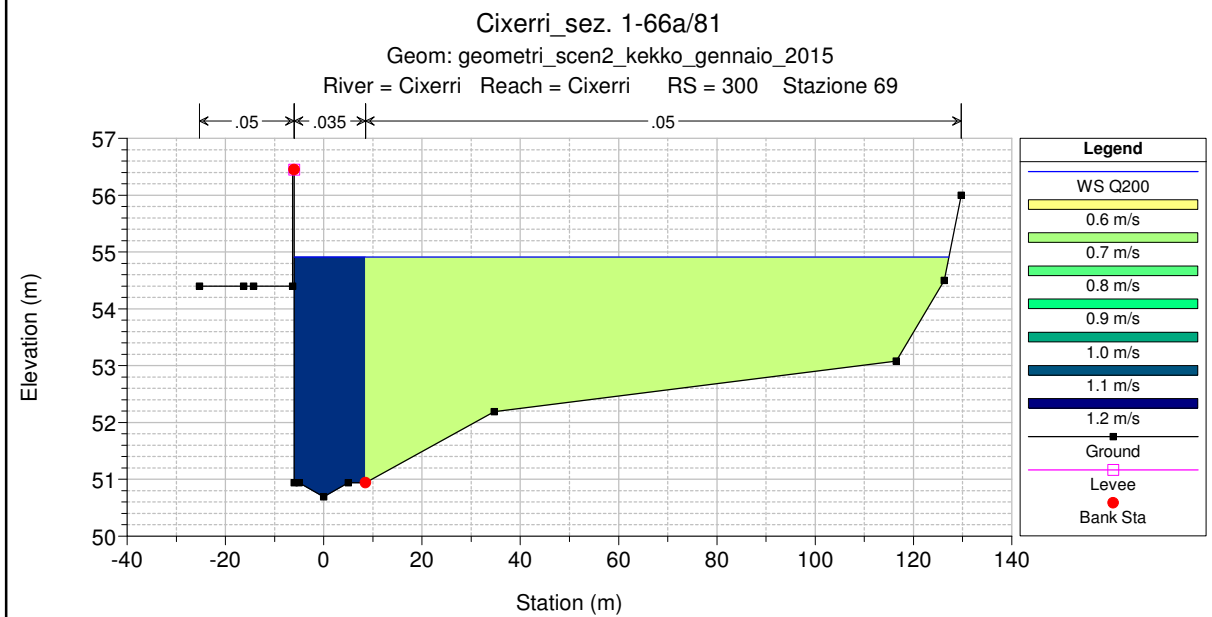
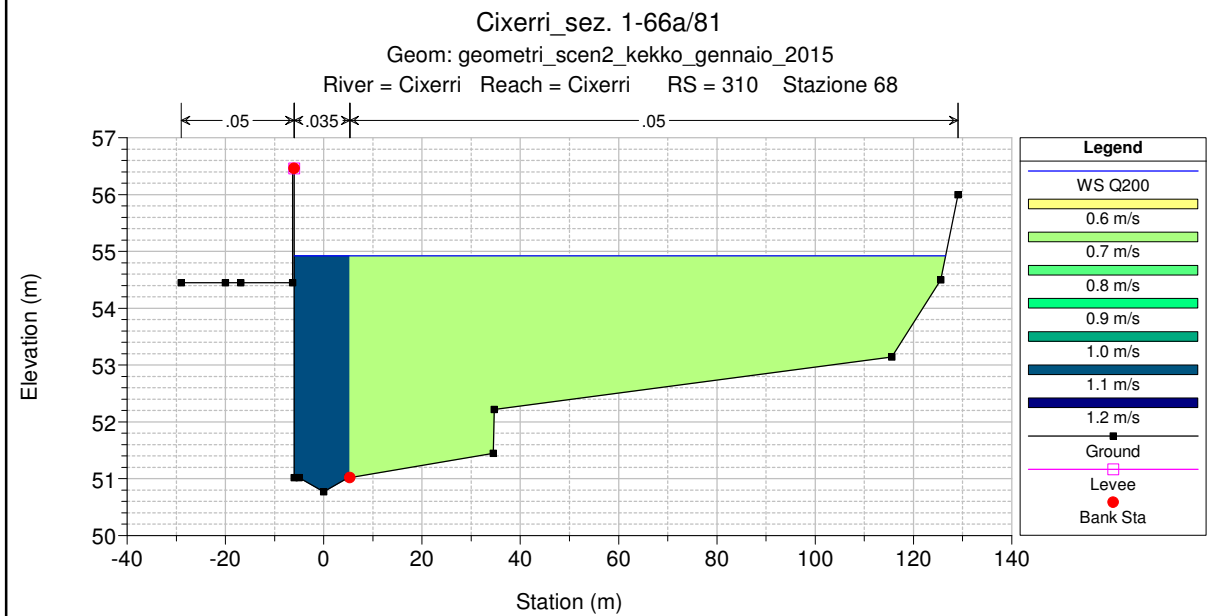
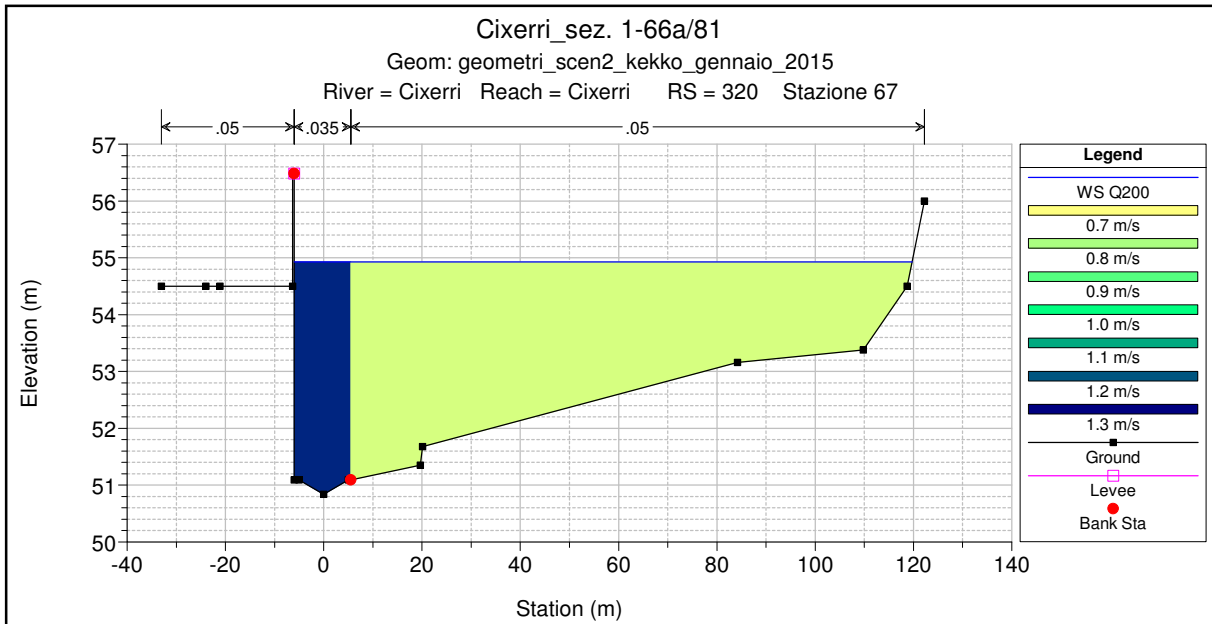


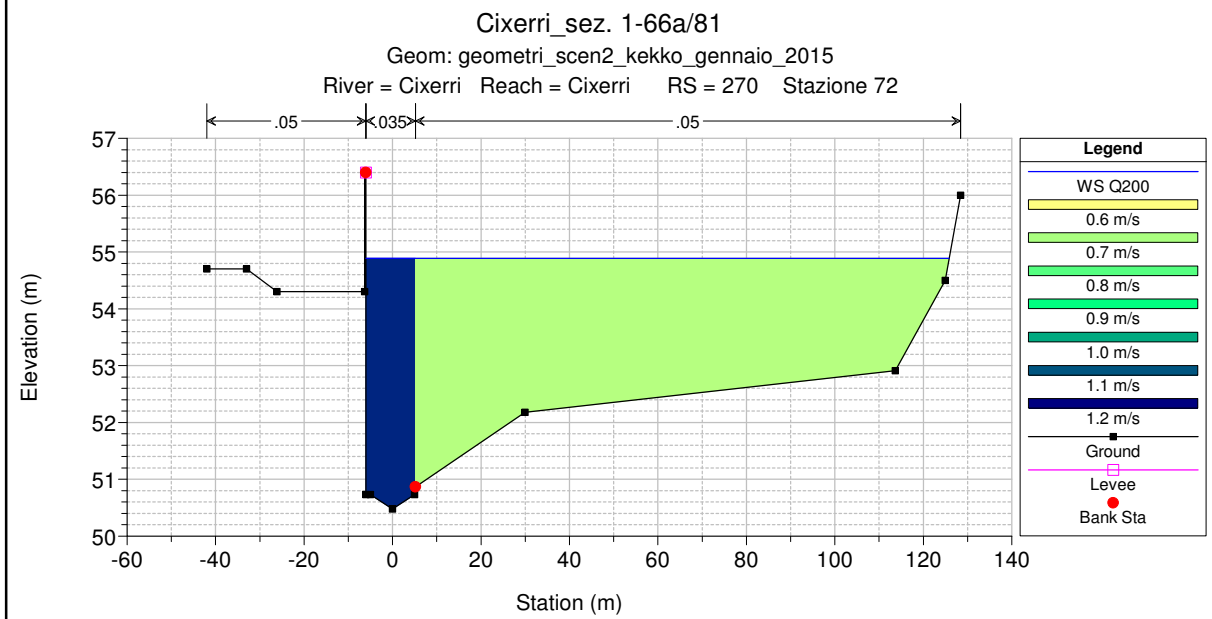
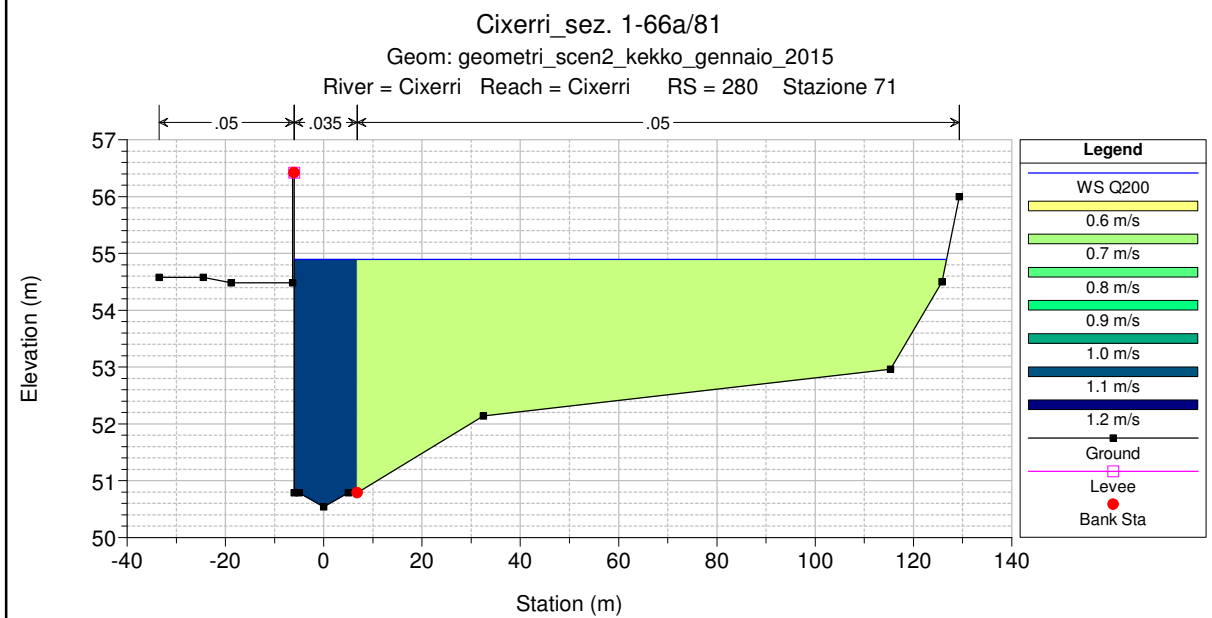
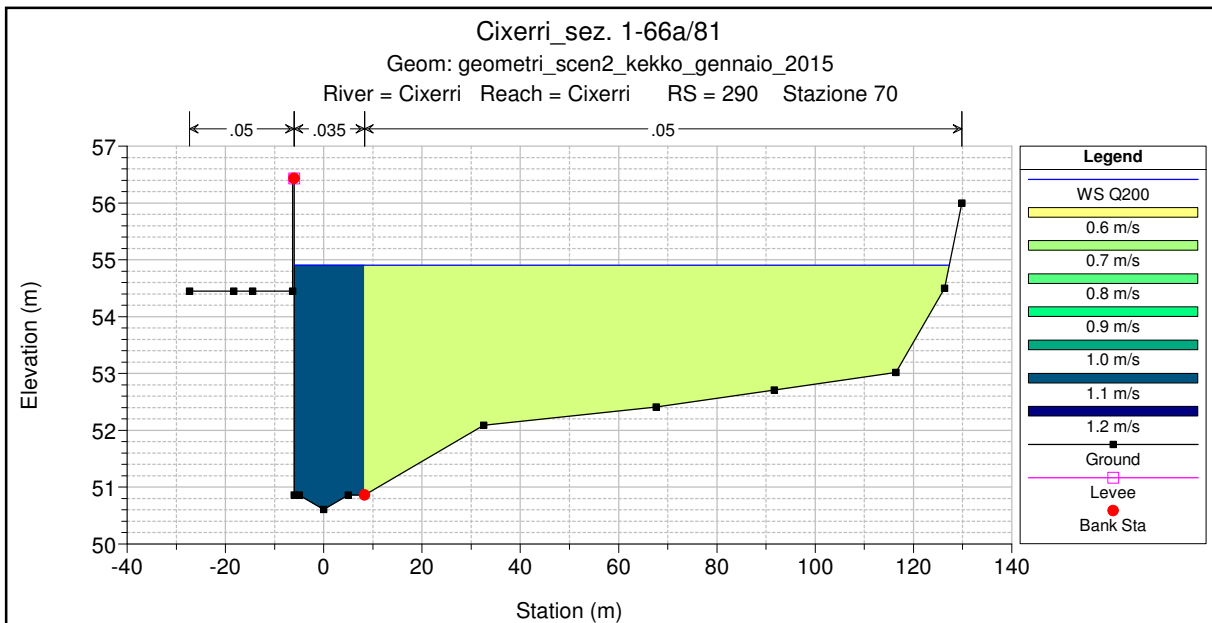


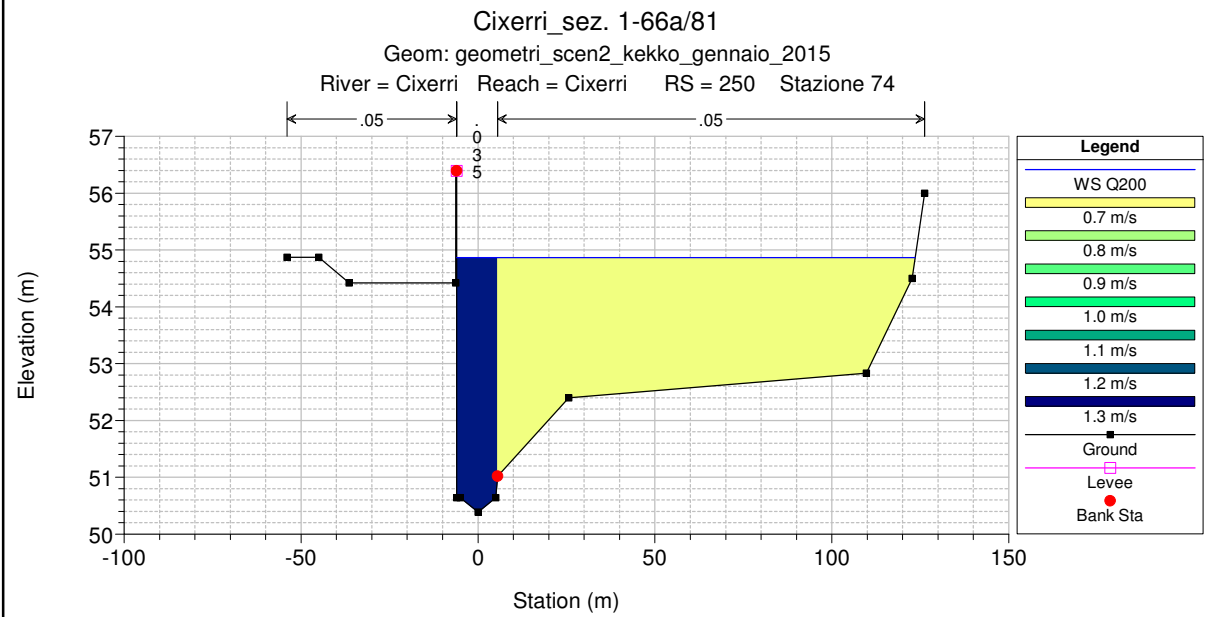
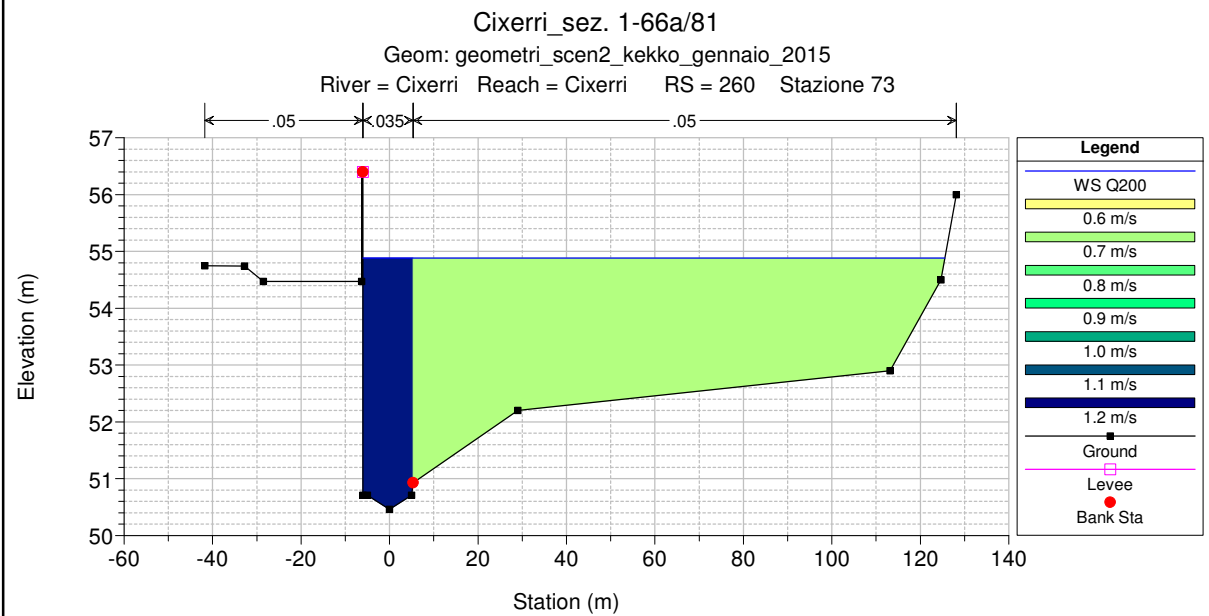
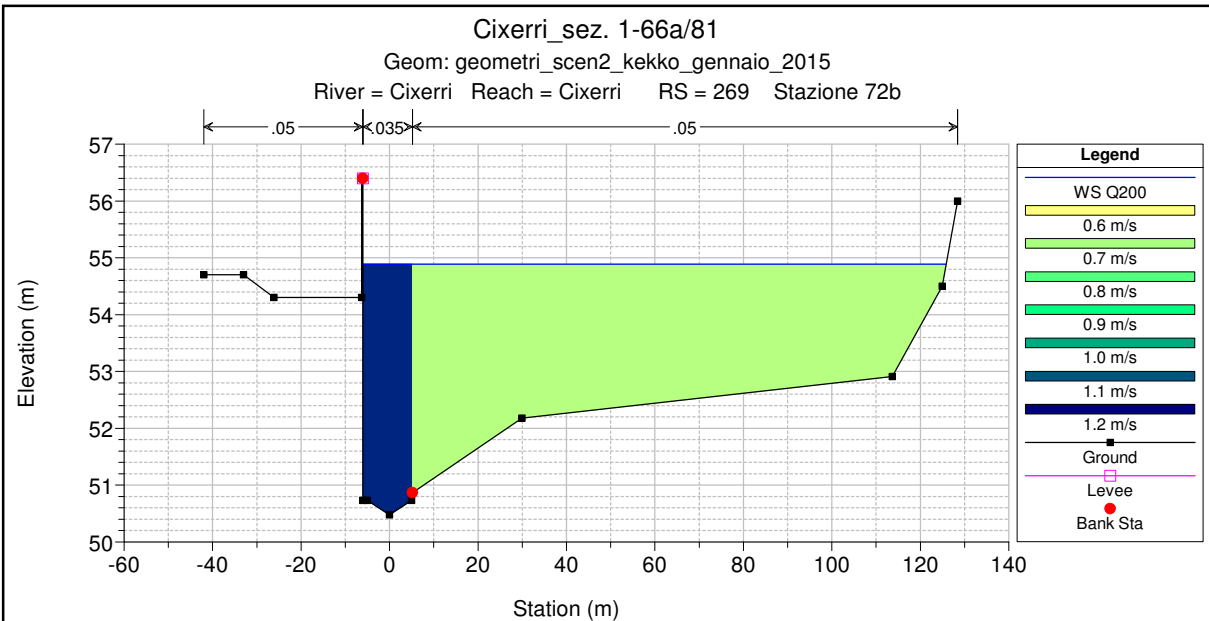


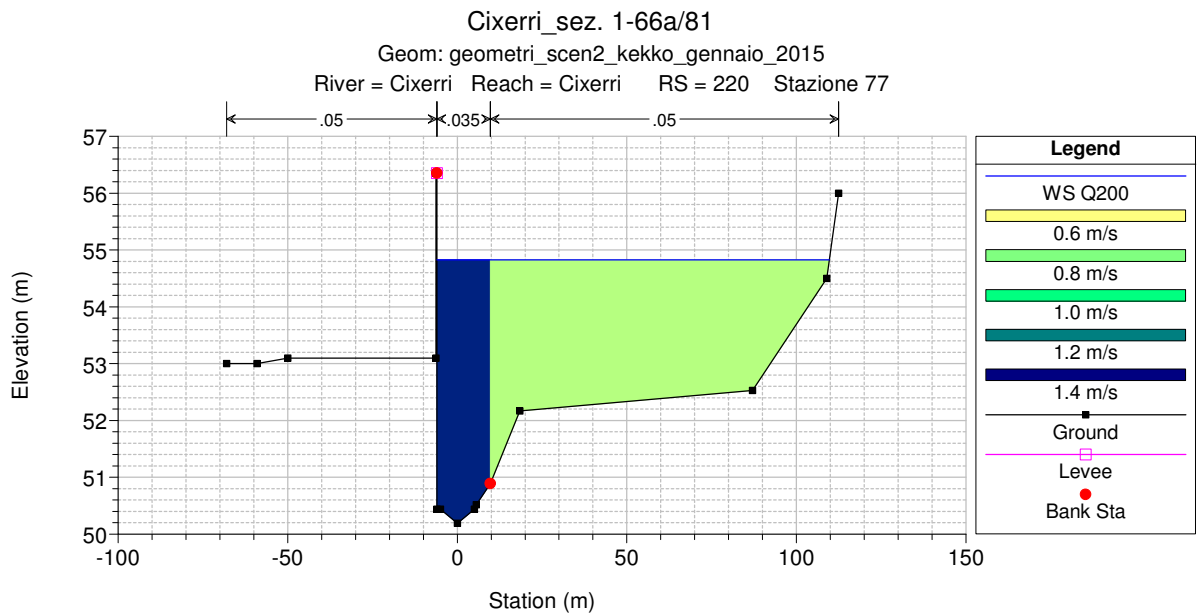
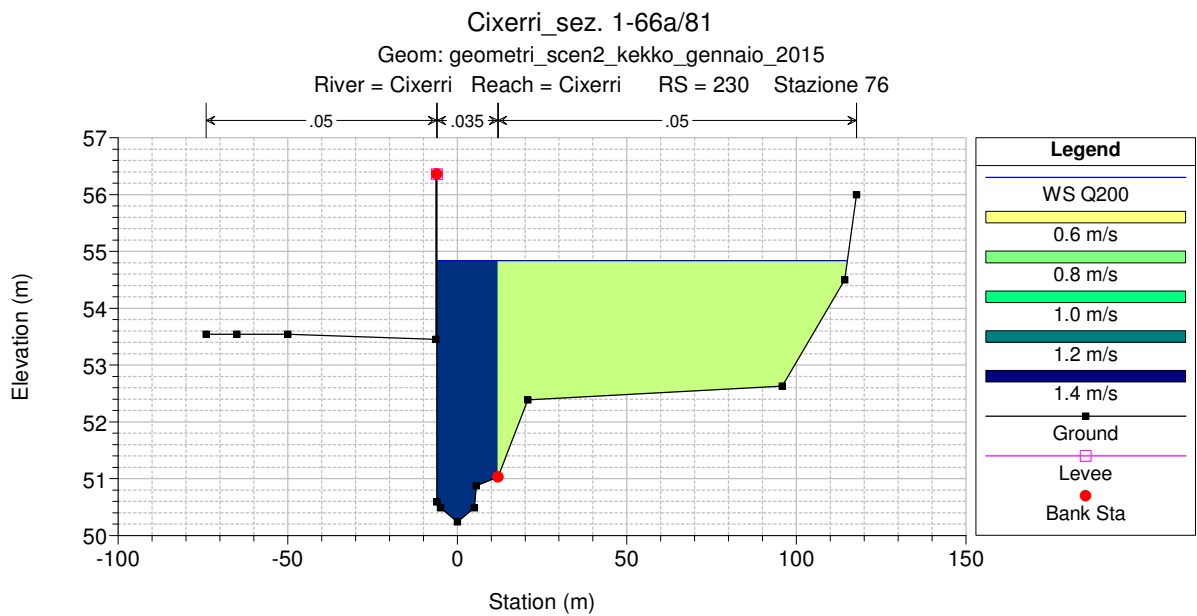
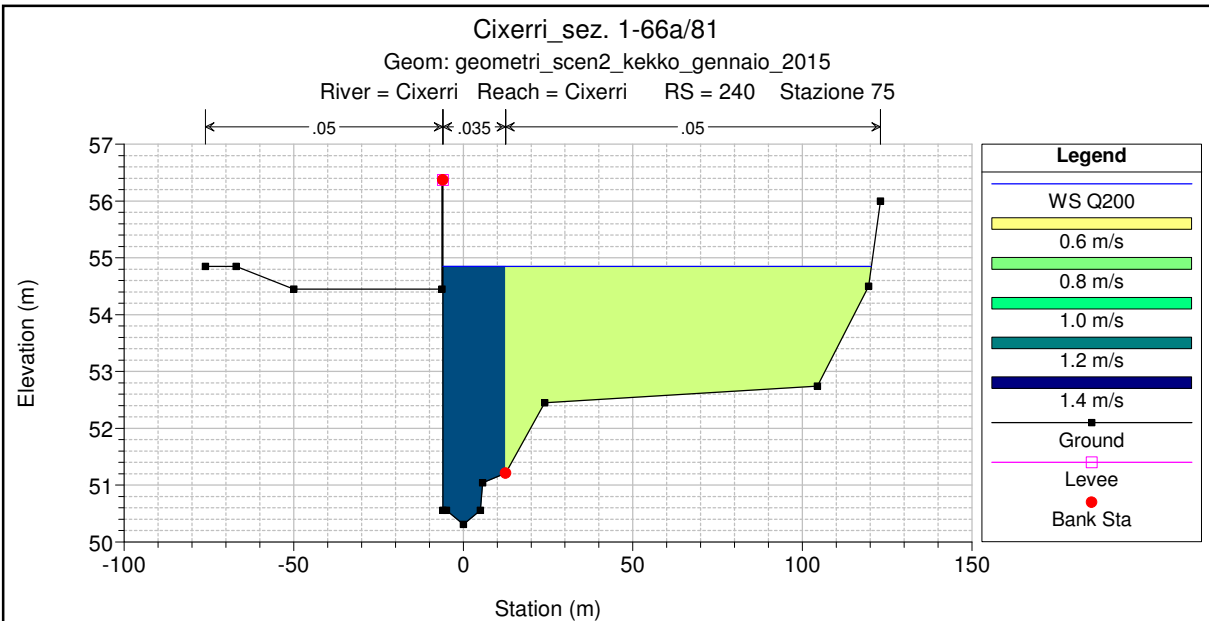


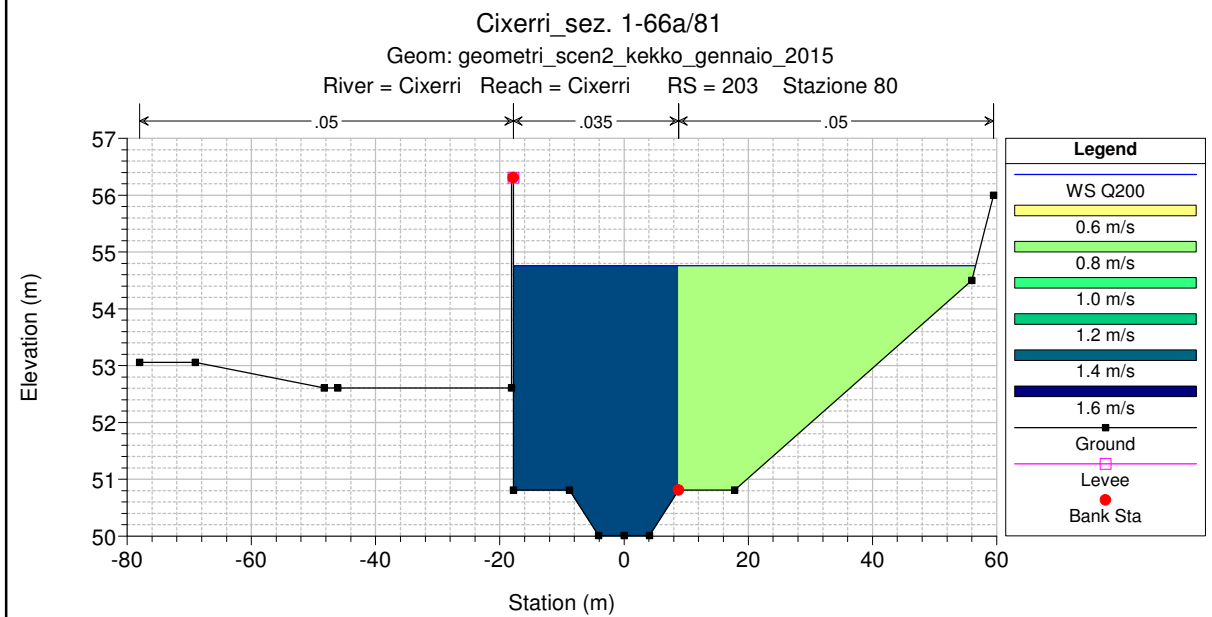
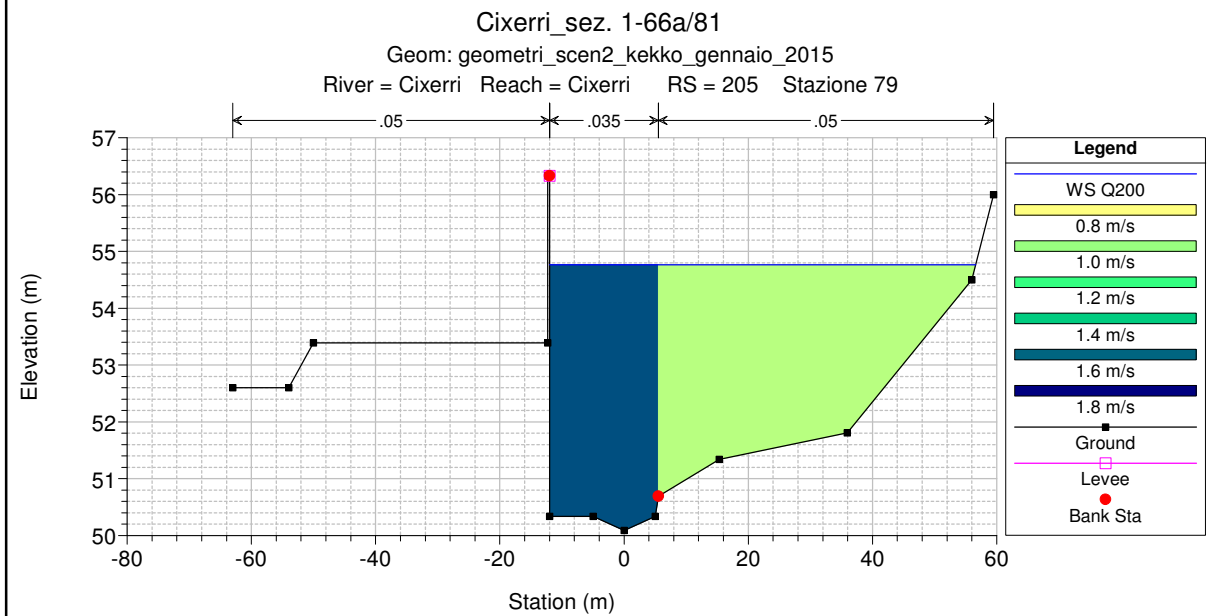
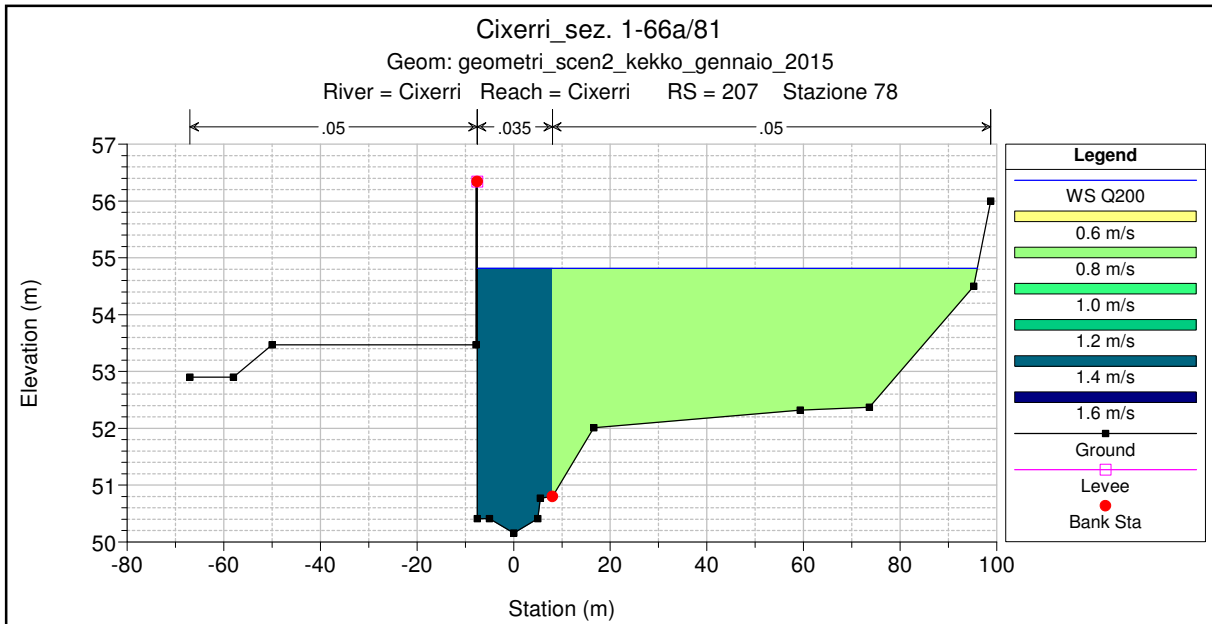


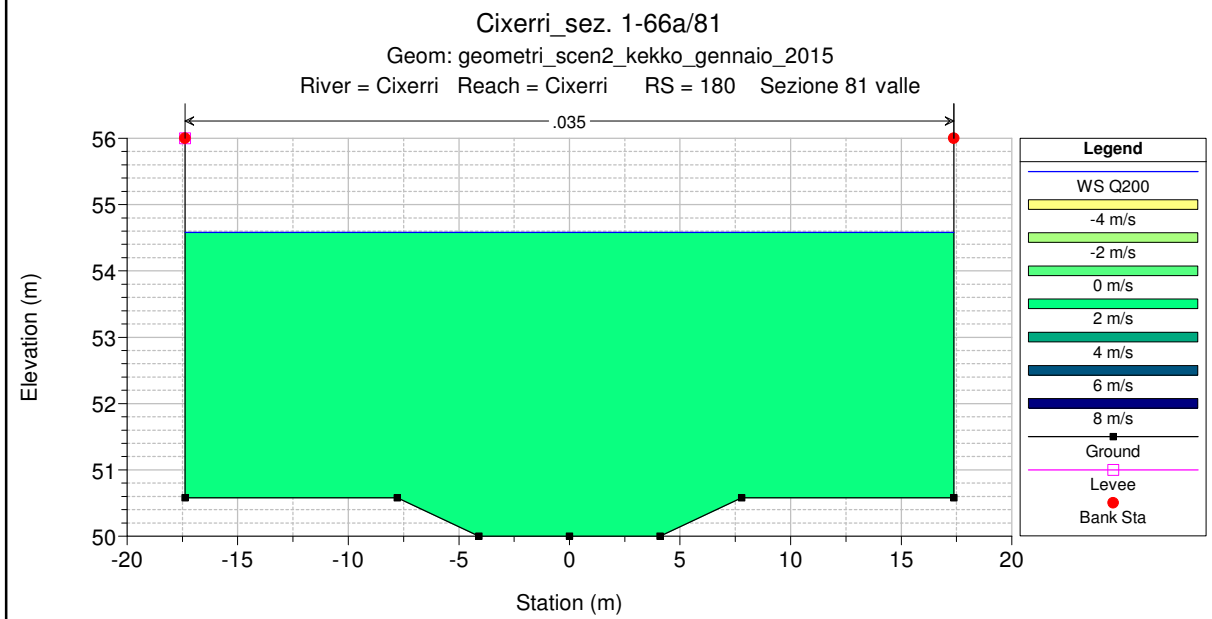
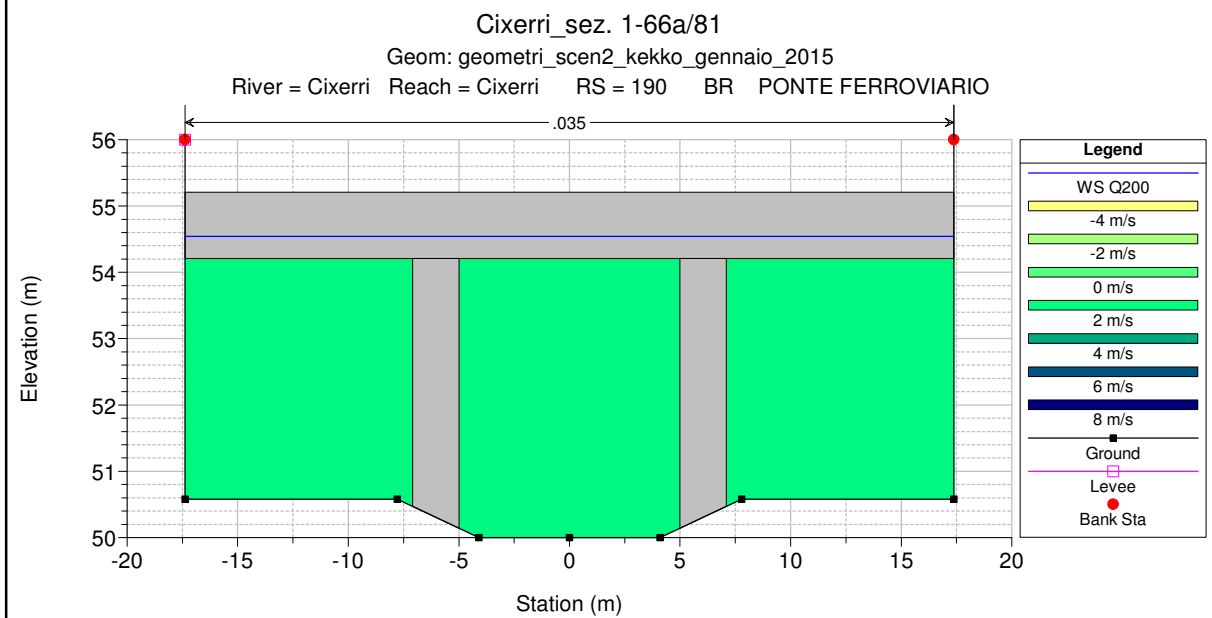
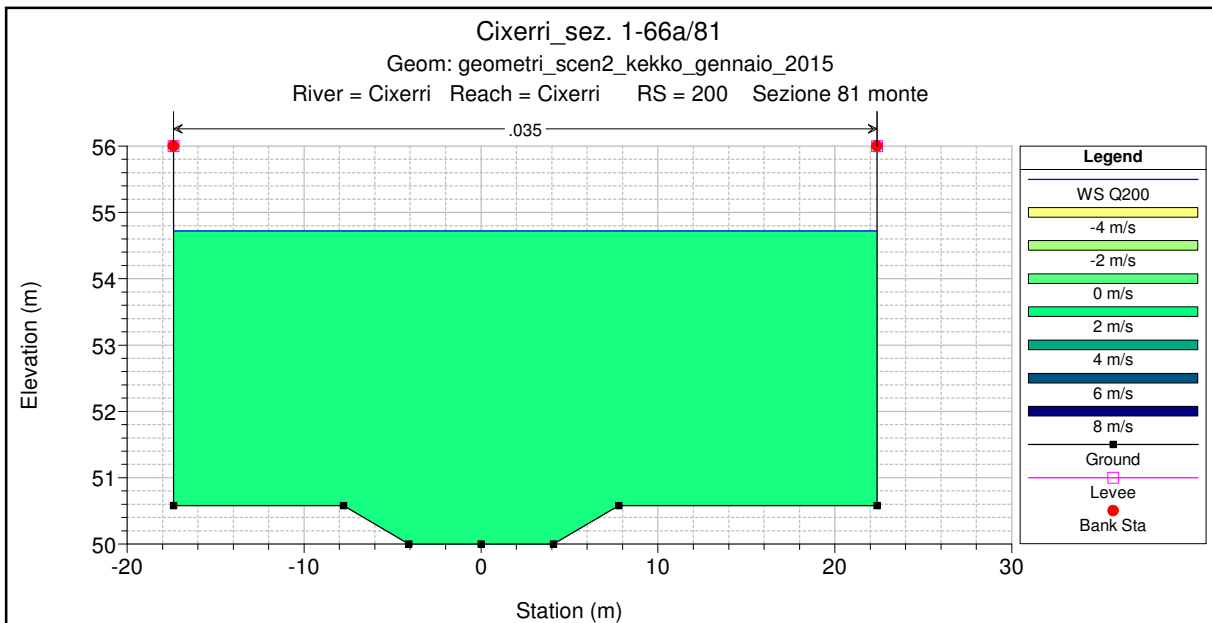


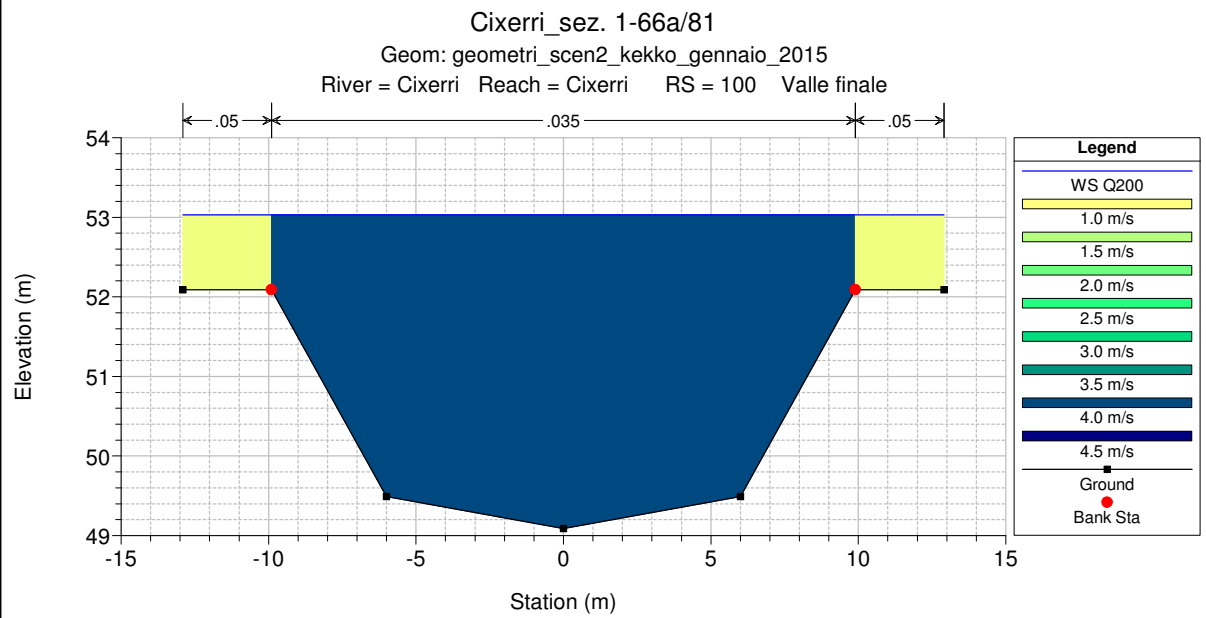
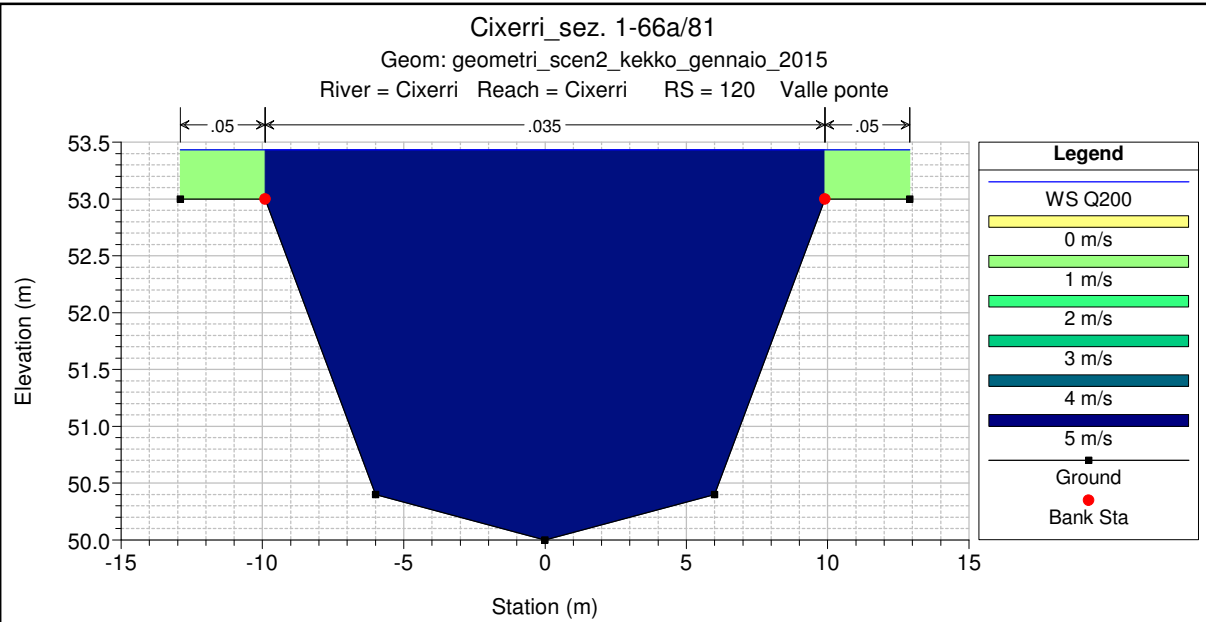












Situazione di progetto

Tabulato grandezze idrauliche

Portate Q50- Q100-Q200-Q500

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri

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
Cixerri	1000	Q50	187.80	54.17	57.22	56.48	57.31	0.001498	1.81	189.06	176.91	0.38
Cixerri	1000	Q100	221.29	54.17	57.33	56.59	57.42	0.001624	1.94	207.28	179.15	0.40
Cixerri	1000	Q200	256.13	54.17	57.42	56.71	57.53	0.001738	2.06	224.04	179.15	0.42
Cixerri	1000	Q500	304.16	54.17	57.53	56.83	57.65	0.001929	2.23	243.03	179.15	0.44
Cixerri	980	Q50	187.80	54.13	57.10		57.26	0.002315	2.42	159.45	182.44	0.49
Cixerri	980	Q100	221.29	54.13	57.19		57.37	0.002521	2.59	176.56	186.40	0.51
Cixerri	980	Q200	256.13	54.13	57.27		57.46	0.002751	2.76	191.95	189.88	0.54
Cixerri	980	Q500	304.16	54.13	57.35		57.58	0.003196	3.03	207.41	193.32	0.58
Cixerri	970	Q50	187.80	53.99	56.87	56.86	57.16	0.004875	3.13	121.16	188.24	0.68
Cixerri	970	Q100	221.29	53.99	56.95	56.95	57.26	0.005202	3.31	137.17	203.54	0.71
Cixerri	970	Q200	256.13	53.99	57.03	57.03	57.36	0.005410	3.46	154.19	217.06	0.73
Cixerri	970	Q500	304.16	53.99	57.14	57.14	57.47	0.005380	3.56	178.28	217.46	0.73
Cixerri	960	Q50	187.80	53.94	56.77	56.77	57.03	0.004869	3.06	132.44	208.27	0.68
Cixerri	960	Q100	221.29	53.94	56.80	56.84	57.12	0.005897	3.41	139.86	208.75	0.75
Cixerri	960	Q200	256.13	53.94	56.85	56.89	57.20	0.006636	3.67	149.78	213.07	0.80
Cixerri	960	Q500	304.16	53.94	56.92	56.99	57.31	0.007203	3.91	165.83	219.88	0.84
Cixerri	950	Q50	187.80	53.78	56.66	56.61	56.84	0.003501	2.67	162.27	255.77	0.58
Cixerri	950	Q100	221.29	53.78	56.77	56.67	56.93	0.003161	2.63	190.98	255.77	0.55
Cixerri	950	Q200	256.13	53.78	56.87	56.73	57.02	0.003009	2.63	216.12	255.77	0.54
Cixerri	950	Q500	304.16	53.78	56.99	56.79	57.14	0.002905	2.67	246.76	255.77	0.54
Cixerri	940	Q50	187.80	53.70	56.66		56.75	0.001868	2.03	211.63	274.60	0.43
Cixerri	940	Q100	221.29	53.70	56.76		56.85	0.001825	2.07	239.62	274.60	0.43
Cixerri	940	Q200	256.13	53.70	56.85		56.94	0.001819	2.12	265.37	274.60	0.43
Cixerri	940	Q500	304.16	53.70	56.97		57.06	0.001833	2.19	297.23	274.60	0.43
Cixerri	930	Q50	187.80	53.69	56.65		56.70	0.001100	1.59	263.51	293.13	0.33
Cixerri	930	Q100	221.29	53.69	56.75		56.80	0.001119	1.65	292.62	293.13	0.34
Cixerri	930	Q200	256.13	53.69	56.84		56.90	0.001149	1.71	319.54	293.13	0.34
Cixerri	930	Q500	304.16	53.69	56.96		57.02	0.001195	1.80	353.01	293.13	0.35
Cixerri	925.2	Q50	187.80	53.69	56.66		56.68	0.000582	1.19	337.08	316.69	0.24
Cixerri	925.2	Q100	221.29	53.69	56.76		56.78	0.000616	1.26	368.27	316.69	0.25
Cixerri	925.2	Q200	256.13	53.69	56.85		56.88	0.000652	1.32	397.19	316.69	0.26
Cixerri	925.2	Q500	304.16	53.69	56.96		57.00	0.000701	1.41	433.22	316.69	0.27
Cixerri	925.1	Q50	187.80	53.69	56.65		56.68	0.000622	1.23	326.90	310.06	0.25
Cixerri	925.1	Q100	221.29	53.69	56.75		56.78	0.000658	1.30	357.34	310.06	0.26
Cixerri	925.1	Q200	256.13	53.69	56.84		56.88	0.000696	1.37	385.55	310.06	0.27
Cixerri	925.1	Q500	304.16	53.69	56.95		56.99	0.000748	1.46	420.66	310.06	0.28
Cixerri	925	Q50	187.80	53.68	56.65		56.68	0.000605	1.21	330.71	310.06	0.25
Cixerri	925	Q100	221.29	53.68	56.75		56.78	0.000641	1.28	361.09	310.06	0.26
Cixerri	925	Q200	256.13	53.68	56.84		56.87	0.000680	1.35	389.24	310.06	0.27
Cixerri	925	Q500	304.16	53.68	56.95		56.99	0.000732	1.44	424.28	310.06	0.28
Cixerri	920	Q50	187.80	53.73	56.64		56.66	0.000531	1.16	355.20	335.41	0.23
Cixerri	920	Q100	221.29	53.73	56.74		56.76	0.000562	1.22	387.88	335.41	0.24
Cixerri	920	Q200	256.13	53.73	56.83		56.85	0.000596	1.29	418.12	335.41	0.25
Cixerri	920	Q500	304.16	53.73	56.94		56.97	0.000641	1.37	455.76	335.41	0.26
Cixerri	915	Q50	187.80	53.65	56.63		56.65	0.000461	1.06	375.96	350.00	0.22
Cixerri	915	Q100	221.29	53.65	56.72		56.75	0.000491	1.12	409.81	350.00	0.23
Cixerri	915	Q200	256.13	53.65	56.81		56.84	0.000523	1.19	441.12	350.00	0.24
Cixerri	915	Q500	304.16	53.65	56.93		56.95	0.000566	1.27	480.06	350.00	0.25
Cixerri	910	Q50	187.80	53.57	56.62		56.64	0.000401	1.01	390.40	350.00	0.21
Cixerri	910	Q100	221.29	53.57	56.72		56.74	0.000432	1.07	424.13	350.00	0.22
Cixerri	910	Q200	256.13	53.57	56.81		56.83	0.000465	1.14	455.31	350.00	0.23
Cixerri	910	Q500	304.16	53.57	56.92		56.95	0.000508	1.23	494.10	350.00	0.24
Cixerri	905	Q50	187.80	53.62	56.61		56.64	0.000501	1.13	345.01	322.47	0.23
Cixerri	905	Q100	221.29	53.62	56.70		56.73	0.000540	1.20	375.68	322.47	0.24
Cixerri	905	Q200	256.13	53.62	56.79		56.83	0.000582	1.28	403.96	322.47	0.25
Cixerri	905	Q500	304.16	53.62	56.90		56.94	0.000637	1.38	439.08	322.47	0.27
Cixerri	900	Q50	187.80	53.78	56.58		56.62	0.000748	1.36	285.18	305.90	0.28
Cixerri	900	Q100	221.29	53.78	56.67		56.72	0.000797	1.44	313.75	305.90	0.29
Cixerri	900	Q200	256.13	53.78	56.76		56.81	0.000851	1.53	339.96	305.90	0.31
Cixerri	900	Q500	304.16	53.78	56.86		56.92	0.000922	1.63	372.42	305.90	0.32
Cixerri	860	Q50	187.80	53.72	56.57		56.62	0.000794	1.39	272.74	303.00	0.29
Cixerri	860	Q100	221.29	53.72	56.66		56.71	0.000848	1.47	300.79	303.00	0.30
Cixerri	860	Q200	256.13	53.72	56.74		56.80	0.000906	1.56	326.49	303.00	0.32
Cixerri	860	Q500	304.16	53.72	56.85		56.92	0.000983	1.67	358.30	303.00	0.33
Cixerri	850	Q50	187.80	53.54	56.47		56.58	0.001316	1.82	207.37	306.52	0.38
Cixerri	850	Q100	221.29	53.54	56.56		56.68	0.001392	1.91	235.01	309.26	0.39
Cixerri	850	Q200	256.13	53.54	56.64		56.77	0.001474	2.01	260.28	311.74	0.40

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Cixerri	850	Q500	304.16	53.54	56.74		56.88	0.001577	2.14	291.83	314.81	0.42
Cixerri	840	Q50	187.80	53.35	56.46		56.55	0.001072	1.66	223.99	308.96	0.34
Cixerri	840	Q100	221.29	53.35	56.54		56.64	0.001158	1.77	250.89	311.75	0.36
Cixerri	840	Q200	256.13	53.35	56.62		56.73	0.001249	1.88	275.42	314.27	0.37
Cixerri	840	Q500	304.16	53.35	56.72		56.84	0.001365	2.01	306.03	317.40	0.39
Cixerri	830	Q50	187.80	53.31	56.31	56.22	56.50	0.002325	2.34	163.68	268.86	0.49
Cixerri	830	Q100	221.29	53.31	56.40	56.30	56.59	0.002428	2.44	187.58	271.80	0.50
Cixerri	830	Q200	256.13	53.31	56.47	56.37	56.68	0.002601	2.57	207.36	274.22	0.52
Cixerri	830	Q500	304.16	53.31	56.56	56.45	56.78	0.002825	2.73	231.83	277.17	0.55
Cixerri	820	Q50	187.80	53.30	56.22	56.22	56.48	0.003133	2.67	141.51	263.29	0.57
Cixerri	820	Q100	221.29	53.30	56.30	56.30	56.57	0.003332	2.81	163.04	266.12	0.59
Cixerri	820	Q200	256.13	53.30	56.37	56.37	56.65	0.003579	2.96	181.16	268.39	0.61
Cixerri	820	Q500	304.16	53.30	56.45	56.45	56.75	0.003896	3.15	203.47	271.16	0.64
Cixerri	810	Q50	187.80	53.24	56.10	56.06	56.32	0.003108	2.60	147.41	237.52	0.56
Cixerri	810	Q100	221.29	53.24	56.23	56.13	56.43	0.002819	2.55	178.39	239.50	0.54
Cixerri	810	Q200	256.13	53.24	56.33	56.21	56.52	0.002774	2.59	202.16	239.63	0.53
Cixerri	810	Q500	304.16	53.24	56.45	56.29	56.64	0.002780	2.67	230.54	239.77	0.54
Cixerri	800	Q50	187.80	53.19	56.16	55.70	56.24	0.001428	1.80	206.34	212.88	0.38
Cixerri	800	Q100	221.29	53.19	56.26	55.70	56.35	0.001473	1.87	229.30	213.02	0.39
Cixerri	800	Q200	256.13	53.19	56.35	55.70	56.45	0.001570	1.97	248.26	213.13	0.40
Cixerri	800	Q500	304.16	53.19	56.46	55.70	56.57	0.001707	2.11	271.35	213.26	0.42
Cixerri	790	Q50	187.80	53.18	56.15	55.67	56.23	0.001387	1.78	208.29	211.48	0.37
Cixerri	790	Q100	221.29	53.18	56.26	55.67	56.34	0.001437	1.85	231.02	211.61	0.38
Cixerri	790	Q200	256.13	53.18	56.35	55.67	56.44	0.001537	1.95	249.76	211.72	0.40
Cixerri	790	Q500	304.16	53.18	56.46	55.67	56.56	0.001676	2.09	272.57	211.84	0.42
Cixerri	780	Q50	187.80	53.12	55.97		56.17	0.002826	2.50	145.44	202.74	0.53
Cixerri	780	Q100	221.29	53.12	56.04		56.28	0.003266	2.74	160.46	204.72	0.58
Cixerri	780	Q200	256.13	53.12	56.14		56.37	0.003325	2.82	179.32	204.83	0.58
Cixerri	780	Q500	304.16	53.12	56.23		56.49	0.003593	3.00	198.79	204.93	0.61
Cixerri	760	Q50	187.80	53.08	55.93		56.13	0.003034	2.55	146.76	200.87	0.55
Cixerri	760	Q100	221.29	53.08	56.01		56.23	0.003183	2.67	164.54	200.97	0.57
Cixerri	760	Q200	256.13	53.08	56.10		56.32	0.003274	2.76	182.41	201.08	0.58
Cixerri	760	Q500	304.16	53.08	56.19		56.43	0.003615	2.96	200.01	201.18	0.61
Cixerri	750	Q50	187.80	53.06	55.80	55.80	56.08	0.004164	2.87	126.99	195.60	0.64
Cixerri	750	Q100	221.29	53.06	55.88	55.88	56.18	0.004443	3.03	142.31	195.70	0.66
Cixerri	750	Q200	256.13	53.06	55.94	55.94	56.27	0.004914	3.23	154.01	195.77	0.70
Cixerri	750	Q500	304.16	53.06	56.07		56.38	0.004737	3.28	178.83	195.93	0.69
Cixerri	740	Q50	187.80	52.99	55.50	55.62	55.94	0.006490	3.39	100.47	181.69	0.79
Cixerri	740	Q100	221.29	52.99	55.72	55.69	56.00	0.004307	2.93	140.47	182.14	0.65
Cixerri	740	Q200	256.13	52.99	55.78	55.77	56.09	0.004816	3.15	151.15	182.22	0.69
Cixerri	740	Q500	304.16	52.99	56.03	55.85	56.26	0.003424	2.83	196.09	182.54	0.59
Cixerri	730	Q50	187.80	52.98	55.44	55.58	55.91	0.007215	3.52	97.01	179.87	0.83
Cixerri	730	Q100	221.29	52.98	55.75	55.65	55.97	0.003609	2.71	152.09	180.53	0.60
Cixerri	730	Q200	256.13	52.98	55.81	55.72	56.06	0.004040	2.91	163.03	180.60	0.63
Cixerri	730	Q500	304.16	52.98	56.04	55.81	56.24	0.003089	2.69	204.24	180.90	0.56
Cixerri	720	Q50	187.80	52.93	55.63	55.25	55.72	0.001763	1.80	186.51	176.30	0.41
Cixerri	720	Q100	221.29	52.93	55.80	55.32	55.88	0.001576	1.78	215.76	176.51	0.39
Cixerri	720	Q200	256.13	52.93	55.86	55.38	55.96	0.001809	1.94	226.96	176.59	0.42
Cixerri	720	Q500	304.16	52.93	56.06	55.46	56.16	0.001631	1.93	262.29	176.85	0.41
Cixerri	715	Q50	187.80	52.88	55.59	55.21	55.68	0.002033	1.93	177.33	174.75	0.44
Cixerri	715	Q100	221.29	52.88	55.76	55.24	55.85	0.001757	1.88	207.74	174.98	0.42
Cixerri	715	Q200	256.13	52.88	55.82	55.39	55.92	0.002046	2.06	217.55	175.05	0.45
Cixerri	715	Q500	304.16	52.88	56.03	55.47	56.13	0.001796	2.03	253.79	175.32	0.43
Cixerri	710	Q50	187.80	52.86	55.56	55.21	55.66	0.002220	2.02	171.15	174.04	0.46
Cixerri	710	Q100	221.29	52.86	55.74	55.21	55.83	0.001868	1.95	202.61	174.28	0.43
Cixerri	710	Q200	256.13	52.86	55.79	55.40	55.90	0.002196	2.14	211.60	174.35	0.47
Cixerri	710	Q500	304.16	52.86	56.00	55.47	56.11	0.001895	2.09	248.51	174.62	0.44
Cixerri	700	Q50	187.80	52.74	55.51		55.61	0.001704	1.84	178.35	175.83	0.41
Cixerri	700	Q100	221.29	52.74	55.70		55.79	0.001462	1.80	211.32	176.08	0.39
Cixerri	700	Q200	256.13	52.74	55.74		55.86	0.001777	2.00	218.55	176.14	0.43
Cixerri	700	Q500	304.16	52.74	55.96		56.07	0.001552	1.97	257.08	176.43	0.40
Cixerri	690	Q50	187.80	52.66	55.47	54.54	55.57	0.001579	1.92	179.68	170.15	0.41
Cixerri	690	Q100	221.29	52.66	55.66	54.54	55.76	0.001364	1.87	212.85	170.41	0.38
Cixerri	690	Q200	256.13	52.66	55.69	54.89	55.81	0.001713	2.11	217.72	170.45	0.43
Cixerri	690	Q500	304.16	52.66	55.92	55.01	56.03	0.001501	2.07	256.32	170.76	0.40
Cixerri	680	Q50	187.80	52.62	55.04	55.02	55.48	0.005162	3.14	86.08	161.21	0.72

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Cixerri	680	Q100	221.29	52.62	55.14	55.02	55.65	0.005990	3.46	102.10	170.99	0.78
Cixerri	680	Q200	256.13	52.62	55.42	55.02	55.73	0.003709	2.93	149.75	171.61	0.62
Cixerri	680	Q500	304.16	52.62	55.78	55.46	55.98	0.002181	2.45	212.88	172.11	0.49
Cixerri	670	Q50	187.80	52.60	55.21	54.44	55.31	0.001710	1.87	178.52	173.63	0.42
Cixerri	670	Q100	221.29	52.60	55.34	54.88	55.44	0.001686	1.92	201.35	173.82	0.42
Cixerri	670	Q200	256.13	52.60	55.51	55.01	55.61	0.001507	1.90	231.28	174.05	0.40
Cixerri	670	Q500	304.16	52.60	55.82	55.09	55.90	0.001130	1.76	285.42	174.48	0.35
Cixerri	660	Q50	187.80	52.58	55.21	54.44	55.29	0.001843	1.88	185.22	174.70	0.42
Cixerri	660	Q100	221.29	52.58	55.34	54.85	55.43	0.001794	1.91	208.23	174.88	0.42
Cixerri	660	Q200	256.13	52.58	55.51	54.92	55.59	0.001586	1.88	238.31	175.11	0.40
Cixerri	660	Q500	304.16	52.58	55.82	54.92	55.89	0.001177	1.73	292.69	175.53	0.35
Cixerri	650	Q50	187.80	52.57	55.20	54.75	55.27	0.001557	1.73	195.21	185.06	0.39
Cixerri	650	Q100	221.29	52.57	55.33	54.83	55.41	0.001521	1.78	219.68	185.24	0.39
Cixerri	650	Q200	256.13	52.57	55.50	54.90	55.58	0.001346	1.75	251.89	185.48	0.37
Cixerri	650	Q500	304.16	52.57	55.82	54.99	55.88	0.000999	1.62	310.12	185.90	0.32
Cixerri	640	Q50	187.80	52.55	55.18	54.52	55.26	0.001805	1.85	193.01	201.73	0.42
Cixerri	640	Q100	221.29	52.55	55.31	54.88	55.39	0.001692	1.86	220.51	201.91	0.41
Cixerri	640	Q200	256.13	52.55	55.49	54.95	55.57	0.001431	1.79	256.79	202.16	0.38
Cixerri	640	Q500	304.16	52.55	55.81	55.03	55.87	0.001010	1.61	321.41	202.59	0.33
Cixerri	630	Q50	187.80	52.53	55.16	54.80	55.25	0.001834	1.86	190.46	205.07	0.42
Cixerri	630	Q100	221.29	52.53	55.30	54.87	55.39	0.001703	1.86	218.82	205.26	0.41
Cixerri	630	Q200	256.13	52.53	55.48	54.94	55.56	0.001422	1.78	256.46	205.51	0.38
Cixerri	630	Q500	304.16	52.53	55.81	55.03	55.87	0.000991	1.61	322.94	205.95	0.32
Cixerri	620	Q50	187.80	52.48	55.11	54.73	55.21	0.001962	1.94	181.66	186.81	0.44
Cixerri	620	Q100	221.29	52.48	55.25	54.81	55.35	0.001837	1.95	207.81	187.00	0.43
Cixerri	620	Q200	256.13	52.48	55.44	54.88	55.53	0.001530	1.86	243.43	187.27	0.39
Cixerri	620	Q500	304.16	52.48	55.78	54.97	55.84	0.001069	1.67	305.89	187.73	0.33
Cixerri	610	Q50	187.80	52.47	55.11	54.73	55.20	0.001982	1.93	180.72	185.53	0.44
Cixerri	610	Q100	221.29	52.47	55.25	54.80	55.34	0.001852	1.94	206.75	185.72	0.43
Cixerri	610	Q200	256.13	52.47	55.44	54.87	55.52	0.001538	1.86	242.34	185.99	0.40
Cixerri	610	Q500	304.16	52.47	55.77	54.96	55.84	0.001070	1.67	304.78	186.45	0.34
Cixerri	600	Q50	187.80	52.42	55.00	54.40	55.15	0.002576	2.21	158.18	192.60	0.51
Cixerri	600	Q100	221.29	52.42	55.16	54.80	55.29	0.002267	2.17	189.19	196.55	0.48
Cixerri	600	Q200	256.13	52.42	55.38	54.92	55.49	0.001689	1.98	232.70	196.86	0.42
Cixerri	600	Q500	304.16	52.42	55.74	55.03	55.82	0.001081	1.72	303.69	197.36	0.34
Cixerri	590	Q50	187.80	52.40	55.00	54.40	55.13	0.002380	2.13	162.58	193.96	0.49
Cixerri	590	Q100	221.29	52.40	55.15	54.80	55.28	0.002118	2.10	194.58	203.59	0.46
Cixerri	590	Q200	256.13	52.40	55.38	54.90	55.48	0.001570	1.92	240.12	203.90	0.40
Cixerri	590	Q500	304.16	52.40	55.74	55.03	55.81	0.001002	1.66	314.07	204.40	0.33
Cixerri	580	Q50	187.80	52.32	54.91	54.40	55.08	0.003189	2.40	149.28	188.18	0.56
Cixerri	580	Q100	221.29	52.32	55.10	54.80	55.23	0.002431	2.21	185.64	188.52	0.49
Cixerri	580	Q200	256.13	52.32	55.34	54.90	55.44	0.001731	1.98	230.74	188.85	0.42
Cixerri	580	Q500	304.16	52.32	55.72	55.03	55.79	0.001088	1.71	301.46	189.38	0.34
Cixerri	570	Q50	187.80	52.28	54.90	54.40	55.00	0.001759	1.71	176.50	174.50	0.41
Cixerri	570	Q100	221.29	52.28	55.09	54.80	55.17	0.001499	1.68	208.60	174.76	0.39
Cixerri	570	Q200	256.13	52.28	55.32	54.90	55.40	0.001165	1.59	250.13	175.09	0.35
Cixerri	570	Q500	304.16	52.28	55.70	55.03	55.76	0.000800	1.45	316.11	175.61	0.29
Cixerri	565	Q50	187.80	52.23	54.86	54.40	54.95	0.001880	1.69	170.91	163.23	0.42
Cixerri	565	Q100	221.29	52.23	55.05	54.80	55.14	0.001580	1.66	201.96	163.49	0.39
Cixerri	565	Q200	256.13	52.23	55.29	54.90	55.37	0.001213	1.57	242.09	163.83	0.35
Cixerri	565	Q500	304.16	52.23	55.68	55.03	55.74	0.000831	1.44	305.14	164.37	0.30
Cixerri	560	Q50	187.80	52.13	54.75	54.40	54.89	0.002665	2.10	147.95	162.18	0.51
Cixerri	560	Q100	221.29	52.13	54.97	54.80	55.09	0.001984	1.95	184.50	162.75	0.45
Cixerri	560	Q200	256.13	52.13	55.24	54.90	55.34	0.001411	1.78	228.77	163.44	0.38
Cixerri	560	Q500	304.16	52.13	55.65	55.03	55.72	0.000918	1.58	295.10	164.47	0.32
Cixerri	550	Q50	187.80	52.05	54.69	54.40	54.83	0.002246	2.02	151.42	150.61	0.47
Cixerri	550	Q100	221.29	52.05	54.93	54.80	55.04	0.001711	1.89	187.18	151.21	0.42
Cixerri	550	Q200	256.13	52.05	55.21	54.90	55.30	0.001252	1.74	229.89	151.92	0.36
Cixerri	550	Q500	304.16	52.05	55.62	55.03	55.70	0.000847	1.57	292.92	152.97	0.31
Cixerri	540	Q50	187.80	51.97	54.53	54.40	54.75	0.003357	2.58	125.93	139.70	0.58
Cixerri	540	Q100	221.29	51.97	54.85	54.80	54.99	0.002066	2.20	170.57	140.60	0.47
Cixerri	540	Q200	256.13	51.97	55.16	54.90	55.27	0.001434	1.97	214.45	141.41	0.39
Cixerri	540	Q500	304.16	51.97	55.59	55.03	55.67	0.000953	1.75	275.89	142.53	0.33
Cixerri	535	Q50	187.80	51.90	54.58	53.50	54.66	0.001227	1.68	178.87	128.08	0.36
Cixerri	535	Q100	221.29	51.90	54.86	53.62	54.93	0.000977	1.60	215.46	128.82	0.32
Cixerri	535	Q200	256.13	51.90	55.16	53.72	55.23	0.000790	1.54	254.22	129.59	0.30
Cixerri	535	Q500	304.16	51.90	55.59	53.87	55.65	0.000605	1.45	309.78	130.69	0.26

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Cixerri	510	Q50	187.80	51.82	54.52	53.66	54.63	0.001266	1.76	162.13	118.63	0.37
Cixerri	510	Q100	221.29	51.82	54.81	53.79	54.91	0.001010	1.69	197.35	119.39	0.33
Cixerri	510	Q200	256.13	51.82	55.12	53.93	55.21	0.000821	1.62	234.23	120.18	0.31
Cixerri	510	Q500	304.16	51.82	55.55	54.10	55.63	0.000634	1.54	286.73	121.29	0.27
Cixerri	500	Q50	187.80	51.60	54.39	53.87	54.58	0.002234	2.27	127.76	108.81	0.48
Cixerri	500	Q100	221.29	51.60	54.73	54.02	54.87	0.001584	2.07	165.88	113.99	0.41
Cixerri	500	Q200	256.13	51.60	55.06	54.14	55.18	0.001187	1.92	203.97	114.99	0.36
Cixerri	500	Q500	304.16	51.60	55.51	54.31	55.61	0.000859	1.77	256.41	116.37	0.32
Cixerri	490	Q50	187.80	51.56	54.34	53.78	54.55	0.002249	2.26	119.77	103.90	0.49
Cixerri	490	Q100	221.29	51.56	54.69	53.95	54.85	0.001601	2.08	157.61	111.12	0.42
Cixerri	490	Q200	256.13	51.56	55.03	54.12	55.16	0.001191	1.93	195.72	112.00	0.37
Cixerri	490	Q500	304.16	51.56	55.49	54.29	55.60	0.000860	1.78	247.49	113.19	0.32
Cixerri	480	Q50	187.80	51.55	54.39	53.61	54.50	0.001345	1.80	152.11	101.36	0.38
Cixerri	480	Q100	221.29	51.55	54.72	53.80	54.82	0.001063	1.73	186.59	105.83	0.34
Cixerri	480	Q200	256.13	51.55	55.05	53.90	55.14	0.000856	1.66	221.81	106.70	0.31
Cixerri	480	Q500	304.16	51.55	55.50	54.02	55.58	0.000665	1.59	270.37	107.89	0.28
Cixerri	470	Q50	187.80	51.54	54.41	53.36	54.47	0.000900	1.46	182.32	101.78	0.31
Cixerri	470	Q100	221.29	51.54	54.73	53.46	54.80	0.000748	1.43	215.77	103.66	0.29
Cixerri	470	Q200	256.13	51.54	55.06	53.55	55.12	0.000634	1.41	249.88	104.55	0.27
Cixerri	470	Q500	304.16	51.54	55.51	53.67	55.57	0.000520	1.39	297.15	105.77	0.25
Cixerri	460	Q50	187.80	51.54	54.40	53.29	54.46	0.000914	1.46	186.01	100.87	0.31
Cixerri	460	Q100	221.29	51.54	54.72	53.38	54.78	0.000767	1.44	219.50	103.39	0.29
Cixerri	460	Q200	256.13	51.54	55.05	53.47	55.11	0.000651	1.41	253.66	104.28	0.27
Cixerri	460	Q500	304.16	51.54	55.50	53.59	55.56	0.000535	1.38	300.94	105.50	0.25
Cixerri	450	Q50	187.80	51.52	54.36	53.47	54.43	0.001221	1.68	170.94	100.50	0.35
Cixerri	450	Q100	221.29	51.52	54.69	53.56	54.76	0.000971	1.60	205.08	102.40	0.32
Cixerri	450	Q200	256.13	51.52	55.03	53.65	55.09	0.000798	1.54	239.54	103.26	0.29
Cixerri	450	Q500	304.16	51.52	55.48	53.77	55.55	0.000636	1.49	286.84	104.26	0.26
Cixerri	440	Q50	187.80	51.45	54.34	53.24	54.40	0.000883	1.45	189.73	100.85	0.30
Cixerri	440	Q100	221.29	51.45	54.68	53.33	54.74	0.000731	1.41	224.11	102.39	0.28
Cixerri	440	Q200	256.13	51.45	55.02	53.43	55.07	0.000621	1.39	258.73	103.25	0.26
Cixerri	440	Q500	304.16	51.45	55.47	53.55	55.53	0.000513	1.36	306.23	104.30	0.24
Cixerri	430	Q50	187.80	51.37	54.33	53.38	54.38	0.000683	1.31	207.21	99.81	0.26
Cixerri	430	Q100	221.29	51.37	54.67	53.46	54.72	0.000585	1.29	241.24	100.67	0.25
Cixerri	430	Q200	256.13	51.37	55.01	53.55	55.06	0.000510	1.28	281.87	128.19	0.23
Cixerri	430	Q500	304.16	51.37	55.47	53.64	55.51	0.000423	1.24	341.34	130.02	0.21
Cixerri	420	Q50	187.80	51.29	54.31	52.94	54.36	0.000689	1.33	204.95	100.03	0.27
Cixerri	420	Q100	221.29	51.29	54.65	53.03	54.70	0.000591	1.31	239.65	102.23	0.25
Cixerri	420	Q200	256.13	51.29	54.99	53.12	55.04	0.000515	1.30	274.55	103.06	0.24
Cixerri	420	Q500	304.16	51.29	55.45	53.24	55.50	0.000437	1.29	322.29	104.20	0.22
Cixerri	410	Q50	187.80	51.22	54.30	52.28	54.34	0.000487	1.14	228.38	99.90	0.23
Cixerri	410	Q100	221.29	51.22	54.65	52.42	54.69	0.000437	1.15	263.07	102.05	0.22
Cixerri	410	Q200	256.13	51.22	54.99	52.57	55.03	0.000394	1.16	298.00	103.08	0.21
Cixerri	410	Q500	304.16	51.22	55.45	52.71	55.49	0.000347	1.17	345.88	104.47	0.20
Cixerri	400	Q50	187.80	51.14	54.27	52.57	54.33	0.000752	1.40	199.09	99.73	0.28
Cixerri	400	Q100	221.29	51.14	54.62	52.70	54.67	0.000634	1.37	234.19	101.86	0.26
Cixerri	400	Q200	256.13	51.14	54.96	52.83	55.02	0.000546	1.35	269.41	102.89	0.24
Cixerri	400	Q500	304.16	51.14	55.43	53.00	55.48	0.000459	1.33	317.57	104.28	0.23
Cixerri	390	Q50	187.80	51.13	54.27	52.52	54.32	0.000688	1.34	204.96	99.75	0.27
Cixerri	390	Q100	221.29	51.13	54.62	52.65	54.67	0.000588	1.32	240.05	101.84	0.25
Cixerri	390	Q200	256.13	51.13	54.96	52.78	55.01	0.000511	1.31	275.25	102.87	0.24
Cixerri	390	Q500	304.16	51.13	55.43	52.94	55.48	0.000434	1.29	323.41	104.27	0.22
Cixerri	380	Q50	187.80	51.09	54.27	52.67	54.31	0.000569	1.23	219.59	101.72	0.24
Cixerri	380	Q100	221.29	51.09	54.62	52.77	54.66	0.000495	1.22	255.42	103.74	0.23
Cixerri	380	Q200	256.13	51.09	54.96	52.87	55.00	0.000438	1.22	291.34	104.77	0.22
Cixerri	380	Q500	304.16	51.09	55.43	53.00	55.47	0.000377	1.21	340.43	106.15	0.21
Cixerri	370	Q50	187.80	51.07	54.26	52.78	54.31	0.000652	1.32	211.28	103.18	0.26
Cixerri	370	Q100	221.29	51.07	54.61	52.91	54.66	0.000555	1.30	247.81	105.30	0.24
Cixerri	370	Q200	256.13	51.07	54.96	53.03	55.00	0.000482	1.27	284.46	106.55	0.23
Cixerri	370	Q500	304.16	51.07	55.42	53.19	55.47	0.000408	1.26	334.56	108.04	0.21
Cixerri	360	Q50	187.80	51.04	54.25	52.81	54.30	0.000671	1.34	212.22	107.63	0.27
Cixerri	360	Q100	221.29	51.04	54.60	52.93	54.65	0.000560	1.31	250.53	109.85	0.25
Cixerri	360	Q200	256.13	51.04	54.95	53.06	55.00	0.000479	1.28	288.82	110.88	0.23
Cixerri	360	Q500	304.16	51.04	55.42	53.23	55.46	0.000400	1.26	341.02	112.27	0.21
Cixerri	350	Q50	187.80	50.99	54.24	52.86	54.29	0.000664	1.37	214.22	111.56	0.27
Cixerri	350	Q100	221.29	50.99	54.60	53.00	54.64	0.000550	1.32	254.32	114.17	0.24

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Cixerri	350	Q200	256.13	50.99	54.94	53.12	54.99	0.000467	1.28	294.39	115.42	0.23
Cixerri	350	Q500	304.16	50.99	55.41	53.28	55.46	0.000387	1.25	348.96	116.96	0.21
Cixerri	341	Q50	187.80	50.92	54.23	52.84	54.27	0.000606	1.31	225.31	118.96	0.26
Cixerri	341	Q100	221.29	50.92	54.59	52.97	54.63	0.000496	1.27	268.40	121.66	0.23
Cixerri	341	Q200	256.13	50.92	54.94	53.09	54.98	0.000418	1.23	311.29	122.69	0.22
Cixerri	341	Q500	304.16	50.92	55.41	53.24	55.45	0.000344	1.20	369.48	124.08	0.20
Cixerri	340	Q50	187.80	50.92	54.23	52.85	54.27	0.000644	1.35	221.20	115.36	0.24
Cixerri	340	Q100	221.29	50.92	54.58	52.98	54.63	0.000532	1.29	262.99	117.82	0.22
Cixerri	340	Q200	256.13	50.92	54.94	53.10	54.98	0.000451	1.25	304.51	118.64	0.20
Cixerri	340	Q500	304.16	50.92	55.41	53.25	55.45	0.000375	1.21	360.72	119.74	0.19
Cixerri	320	Q50	187.80	50.84	54.21	52.88	54.26	0.000686	1.39	222.01	122.40	0.25
Cixerri	320	Q100	221.29	50.84	54.57	53.02	54.61	0.000549	1.31	266.90	124.90	0.22
Cixerri	320	Q200	256.13	50.84	54.92	53.14	54.97	0.000456	1.26	311.25	125.72	0.20
Cixerri	320	Q500	304.16	50.84	55.40	53.16	55.44	0.000371	1.20	371.12	126.83	0.18
Cixerri	310	Q50	187.80	50.77	54.20	52.22	54.24	0.000505	1.20	251.70	129.37	0.21
Cixerri	310	Q100	221.29	50.77	54.57	52.94	54.60	0.000414	1.15	299.21	131.70	0.19
Cixerri	310	Q200	256.13	50.77	54.92	53.08	54.95	0.000352	1.11	346.08	132.52	0.18
Cixerri	310	Q500	304.16	50.77	55.40	53.27	55.43	0.000292	1.07	409.29	133.63	0.16
Cixerri	300	Q50	187.80	50.69	54.19	52.93	54.22	0.000496	1.24	247.94	130.08	0.22
Cixerri	300	Q100	221.29	50.69	54.55	53.13	54.59	0.000405	1.18	296.16	132.36	0.20
Cixerri	300	Q200	256.13	50.69	54.91	53.21	54.94	0.000343	1.14	343.58	133.20	0.18
Cixerri	300	Q500	304.16	50.69	55.39	53.32	55.42	0.000285	1.10	407.41	134.31	0.17
Cixerri	290	Q50	187.80	50.61	54.18	52.85	54.21	0.000443	1.18	257.49	130.14	0.20
Cixerri	290	Q100	221.29	50.61	54.54	52.98	54.58	0.000367	1.14	305.92	132.41	0.19
Cixerri	290	Q200	256.13	50.61	54.90	53.13	54.93	0.000315	1.10	353.51	133.25	0.17
Cixerri	290	Q500	304.16	50.61	55.38	53.23	55.41	0.000264	1.07	417.50	134.37	0.16
Cixerri	280	Q50	187.80	50.54	54.16	52.91	54.20	0.000478	1.22	252.25	129.52	0.21
Cixerri	280	Q100	221.29	50.54	54.53	53.07	54.57	0.000391	1.17	300.80	131.89	0.19
Cixerri	280	Q200	256.13	50.54	54.89	53.16	54.93	0.000333	1.13	348.42	132.73	0.18
Cixerri	280	Q500	304.16	50.54	55.37	53.26	55.41	0.000278	1.09	412.37	133.85	0.16
Cixerri	270	Q50	187.80	50.48	54.15	53.03	54.19	0.000534	1.28	244.45	128.47	0.22
Cixerri	270	Q100	221.29	50.48	54.52	53.12	54.56	0.000431	1.21	292.98	131.01	0.20
Cixerri	270	Q200	256.13	50.48	54.89	53.20	54.92	0.000362	1.16	340.50	131.85	0.18
Cixerri	270	Q500	304.16	50.48	55.37	53.30	55.40	0.000299	1.11	404.22	132.97	0.16
Cixerri	269	Q50	187.80	50.48	54.15	53.03	54.19	0.000534	1.28	244.45	128.47	0.22
Cixerri	269	Q100	221.29	50.48	54.52	53.12	54.56	0.000431	1.21	292.98	131.01	0.20
Cixerri	269	Q200	256.13	50.48	54.89	53.20	54.92	0.000362	1.16	340.50	131.85	0.18
Cixerri	269	Q500	304.16	50.48	55.37	53.30	55.40	0.000299	1.11	404.22	132.97	0.16
Cixerri	260	Q50	187.80	50.46	54.15	53.05	54.19	0.000551	1.30	241.15	128.11	0.22
Cixerri	260	Q100	221.29	50.46	54.52	53.14	54.56	0.000443	1.23	289.68	130.71	0.20
Cixerri	260	Q200	256.13	50.46	54.88	53.22	54.92	0.000371	1.17	337.18	131.55	0.18
Cixerri	260	Q500	304.16	50.46	55.36	53.33	55.40	0.000305	1.12	400.83	132.68	0.16
Cixerri	250	Q50	187.80	50.39	54.12	53.16	54.17	0.000672	1.45	222.70	125.73	0.24
Cixerri	250	Q100	221.29	50.39	54.50	53.25	54.54	0.000525	1.34	271.22	128.68	0.22
Cixerri	250	Q200	256.13	50.39	54.87	53.33	54.91	0.000430	1.27	318.49	129.54	0.20
Cixerri	250	Q500	304.16	50.39	55.35	53.44	55.39	0.000347	1.20	381.60	130.67	0.17
Cixerri	240	Q50	187.80	50.31	54.10	53.06	54.15	0.000609	1.41	217.24	122.02	0.24
Cixerri	240	Q100	221.29	50.31	54.48	53.17	54.53	0.000484	1.33	264.91	125.31	0.22
Cixerri	240	Q200	256.13	50.31	54.85	53.27	54.90	0.000403	1.28	311.37	126.30	0.20
Cixerri	240	Q500	304.16	50.31	55.34	53.39	55.38	0.000329	1.23	373.26	127.43	0.18
Cixerri	230	Q50	187.80	50.24	54.08	53.00	54.14	0.000619	1.44	211.18	116.06	0.25
Cixerri	230	Q100	221.29	50.24	54.46	53.12	54.52	0.000499	1.38	257.03	119.90	0.22
Cixerri	230	Q200	256.13	50.24	54.84	53.23	54.89	0.000418	1.32	301.82	121.03	0.21
Cixerri	230	Q500	304.16	50.24	55.33	53.36	55.37	0.000344	1.27	361.40	122.18	0.19
Cixerri	220	Q50	187.80	50.19	54.07	52.92	54.13	0.000613	1.46	210.16	110.12	0.24
Cixerri	220	Q100	221.29	50.19	54.46	53.04	54.51	0.000506	1.40	253.91	114.45	0.22
Cixerri	220	Q200	256.13	50.19	54.83	53.14	54.88	0.000429	1.35	296.79	115.71	0.21
Cixerri	220	Q500	304.16	50.19	55.32	53.28	55.37	0.000357	1.30	353.85	116.85	0.19
Cixerri	207	Q50	187.80	50.16	54.06	52.83	54.12	0.000639	1.48	199.33	98.26	0.25
Cixerri	207	Q100	221.29	50.16	54.45	52.94	54.51	0.000542	1.44	238.30	102.20	0.23
Cixerri	207	Q200	256.13	50.16	54.82	53.06	54.87	0.000469	1.41	276.62	103.50	0.21
Cixerri	207	Q500	304.16	50.16	55.31	53.20	55.36	0.000398	1.37	327.67	104.64	0.20
Cixerri	205	Q50	187.80	50.09	54.02	52.33	54.10	0.000689	1.59	163.42	64.38	0.26
Cixerri	205	Q100	221.29	50.09	54.40	52.48	54.49	0.000648	1.62	188.58	67.23	0.25
Cixerri	205	Q200	256.13	50.09	54.77	52.63	54.86	0.000608	1.64	213.61	68.61	0.25
Cixerri	205	Q500	304.16	50.09	55.25	52.82	55.35	0.000559	1.66	247.31	69.75	0.24

HEC-RAS Plan: kekko River: Cixerri Reach: Cixerri (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Cixerri	203	Q50	187.80	50.01	54.01	51.97	54.08	0.000494	1.38	177.22	68.72	0.23
Cixerri	203	Q100	221.29	50.01	54.39	52.13	54.47	0.000471	1.42	204.23	72.67	0.23
Cixerri	203	Q200	256.13	50.01	54.76	52.28	54.84	0.000444	1.46	231.40	74.40	0.22
Cixerri	203	Q500	304.16	50.01	55.25	52.49	55.33	0.000410	1.49	267.98	75.53	0.22
Cixerri	200	Q50	187.80	50.00	53.99	51.72	54.08	0.000479	1.32	142.60	39.76	0.22
Cixerri	200	Q100	221.29	50.00	54.37	51.87	54.47	0.000489	1.41	157.42	39.76	0.23
Cixerri	200	Q200	256.13	50.00	54.72	52.02	54.84	0.000501	1.49	171.60	39.76	0.23
Cixerri	200	Q500	304.16	50.00	55.19	52.22	55.32	0.000513	1.60	190.37	39.76	0.23
Cixerri	190	Bridge										
Cixerri	180	Q50	187.80	50.00	53.92	51.82	54.04	0.000673	1.53	122.92	34.76	0.26
Cixerri	180	Q100	221.29	50.00	54.26	51.99	54.40	0.000701	1.64	134.87	34.76	0.27
Cixerri	180	Q200	256.13	50.00	54.58	52.15	54.74	0.000735	1.75	146.01	34.76	0.27
Cixerri	180	Q500	304.16	50.00	55.00	52.36	55.18	0.000778	1.90	160.40	34.76	0.28
Cixerri	120	Q50	187.80	50.00	52.91	52.87	53.93	0.009816	4.48	41.93	19.52	0.98
Cixerri	120	Q100	221.29	50.00	53.18	53.18	54.29	0.009230	4.66	48.44	25.80	0.96
Cixerri	120	Q200	256.13	50.00	53.43	53.43	54.62	0.008748	4.85	54.90	25.80	0.95
Cixerri	120	Q500	304.16	50.00	53.72	53.72	55.05	0.008586	5.15	62.34	25.80	0.96
Cixerri	100	Q50	187.80	49.09	52.49	51.96	53.15	0.004911	3.60	54.06	25.80	0.71
Cixerri	100	Q100	221.29	49.09	52.76	52.27	53.49	0.004832	3.82	61.02	25.80	0.72
Cixerri	100	Q200	256.13	49.09	53.03	52.52	53.83	0.004730	4.01	67.99	25.80	0.72
Cixerri	100	Q500	304.16	49.09	53.31	52.81	54.24	0.004953	4.34	75.22	25.80	0.75