



Comune di Galtelli
Provincia di Nuoro





PIANO URBANISTICO COMUNALE IN ADEGUAMENTO AL PPR E AL PAI

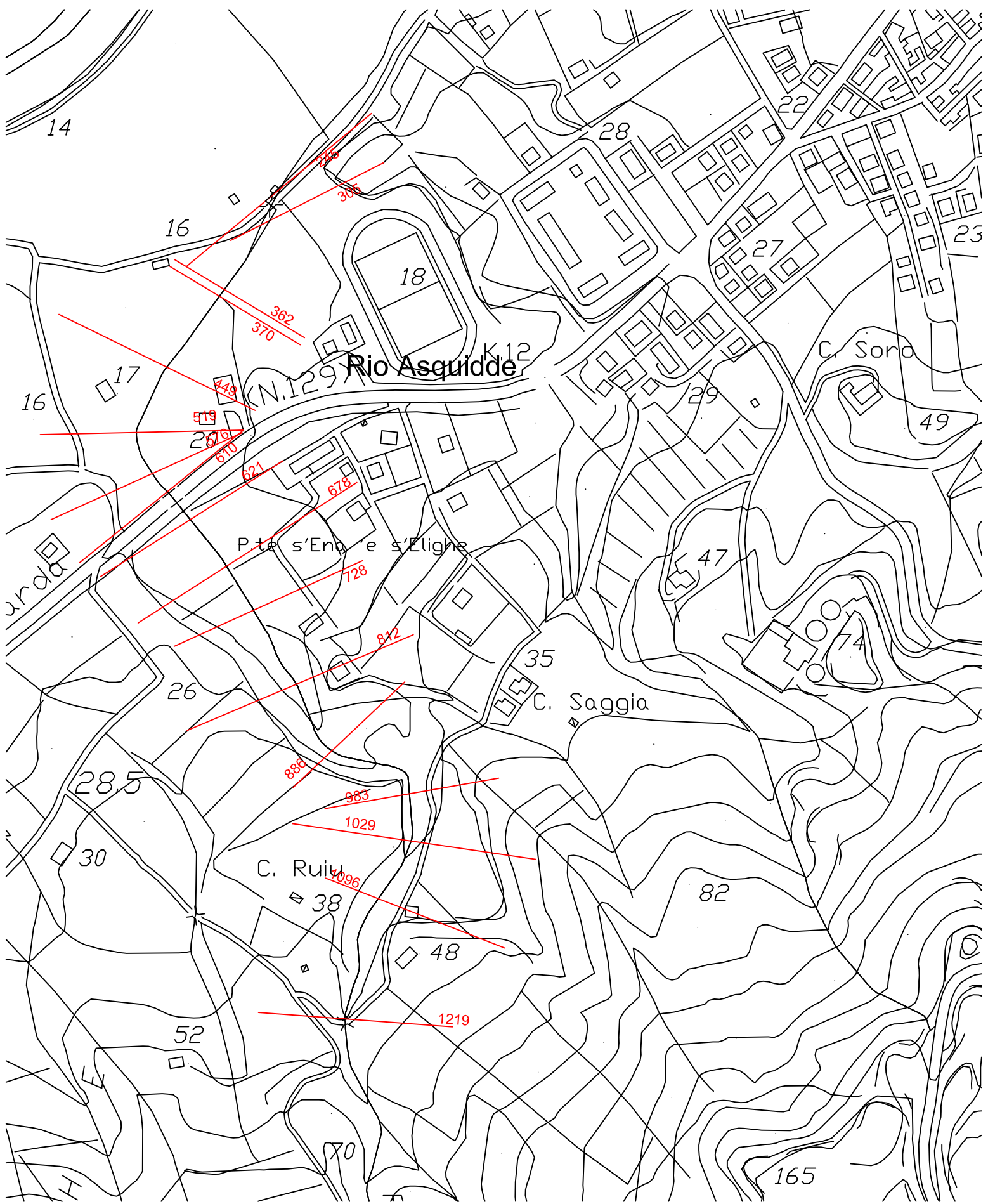
Mappatura delle aree a pericolosità geologica e idraulica
del territorio del Comune di Galtelli
nell'ambito dell'adeguamento del PUC al PAI

SUB BACINO 5 - POSADA-CEDRINO

TAV. 3.4.2

RIO ASQUIDDE CALCOLO IDRAULICO

Base topografica: Cartografia tecnica regionale numerica scala 1:10000		Coordinate: Gauss - Boaga C.T.R. n. 500030-500040- 500080-482150-482160	Gennaio 2011
L'Amministrazione Comunale	I Tecnici: Geol. Giovanni S. Calia	 ORDINE DEI GEOLOGI REGIONE SARDEGNA N. 184 Dr. Geol. Giovanni Salvatore Calia	
	 ORDINE DEGLI INGEGNERI DOTT. ING. PINELLA MONNI PROVINCIA DI NUORO N. A862	Ing. Maddalena Idili Ing. Pinella Monni Geol. Andrea Selis	 ORDINE INGEGNERI PROVINCIA DI NUORO N. A643 - Settore A B C Dr. Ing. Maddalena Idili
Revisione n° Rev. 0	Presentato il	 ORDINE DEI GEOLOGI REGIONE SARDEGNA N. 630 Dott. Geol. ANDREA SELIS	
		Approvato il	



Rio Asquidde

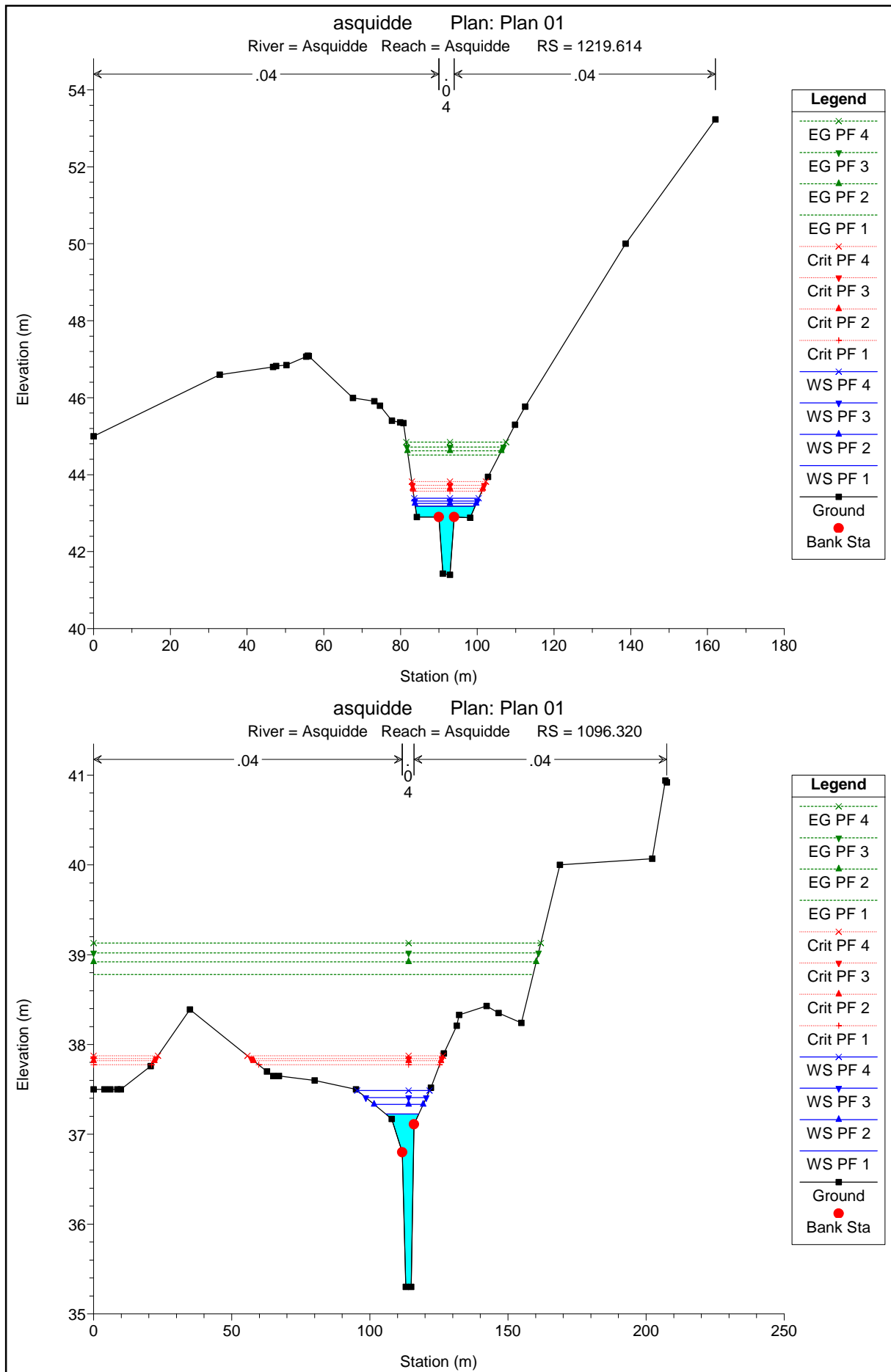
P.ta s'Ende e s'Eligne

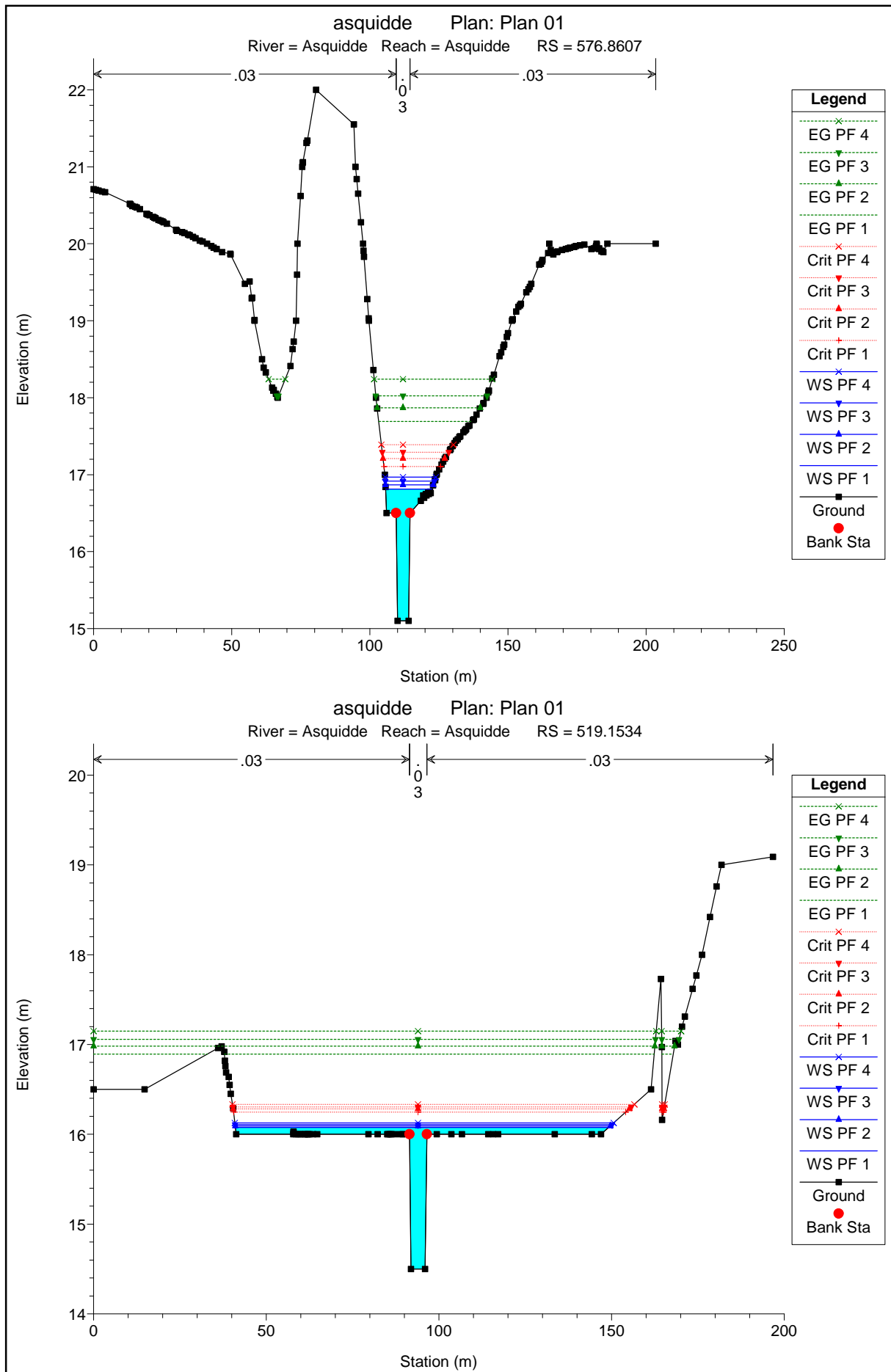
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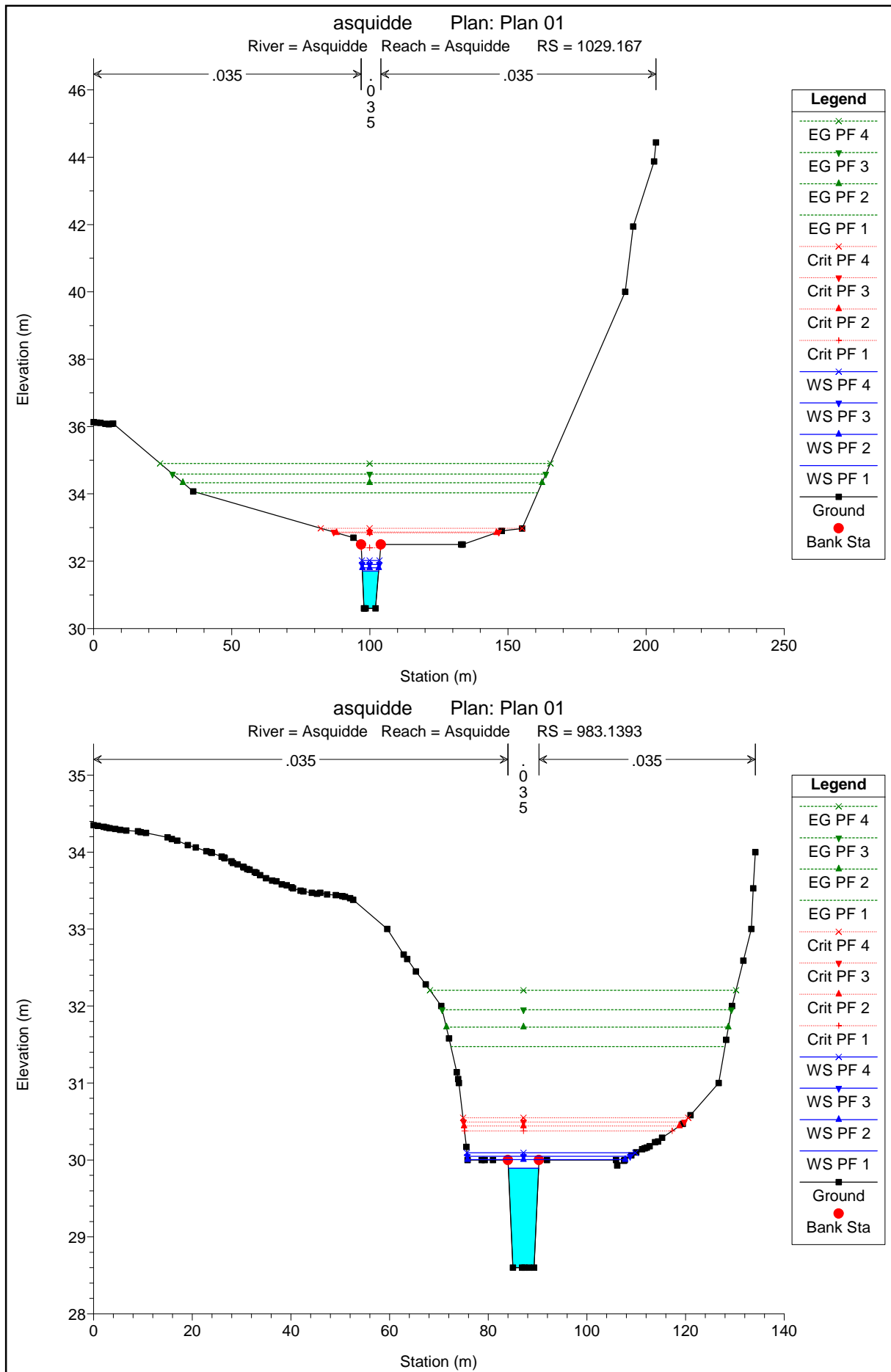
C. Saggia

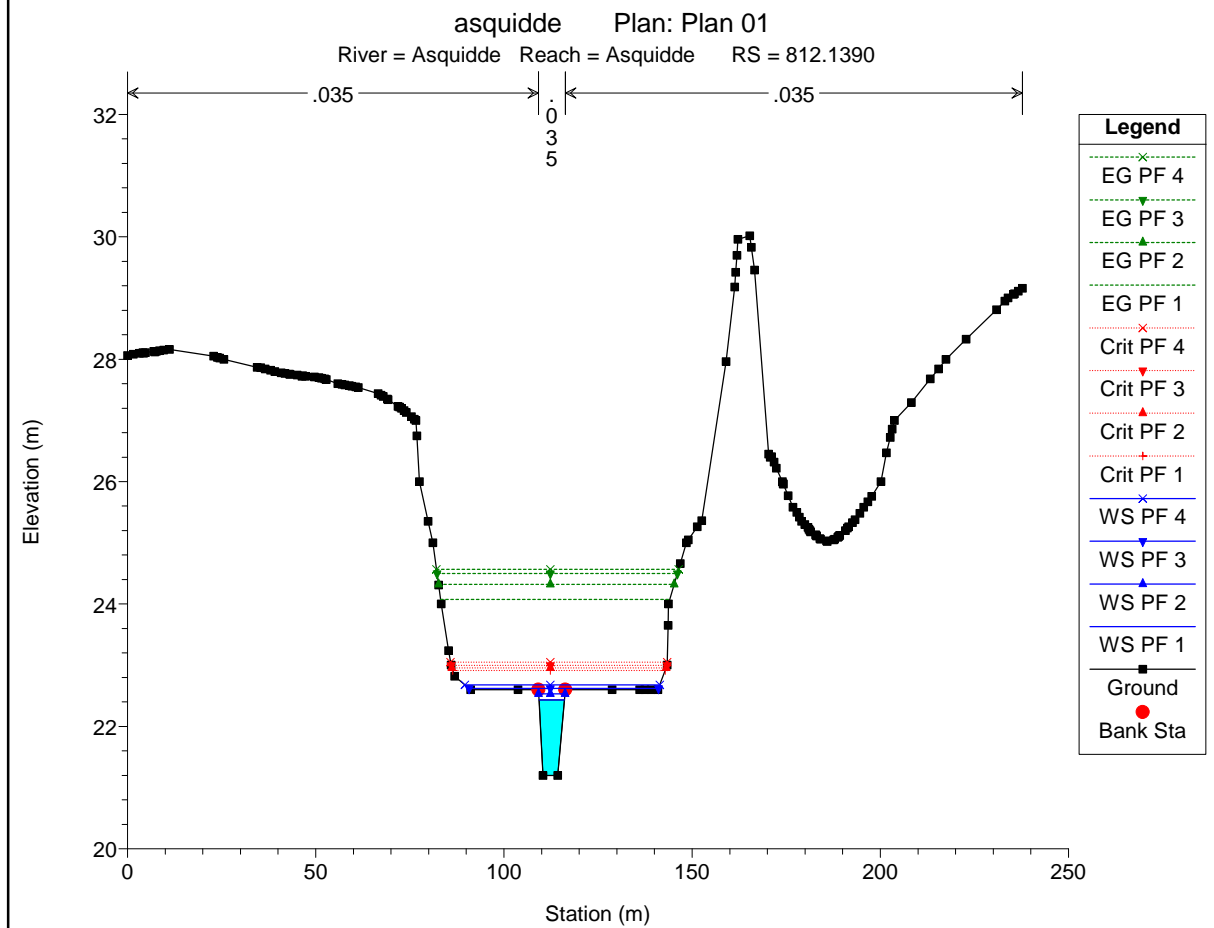
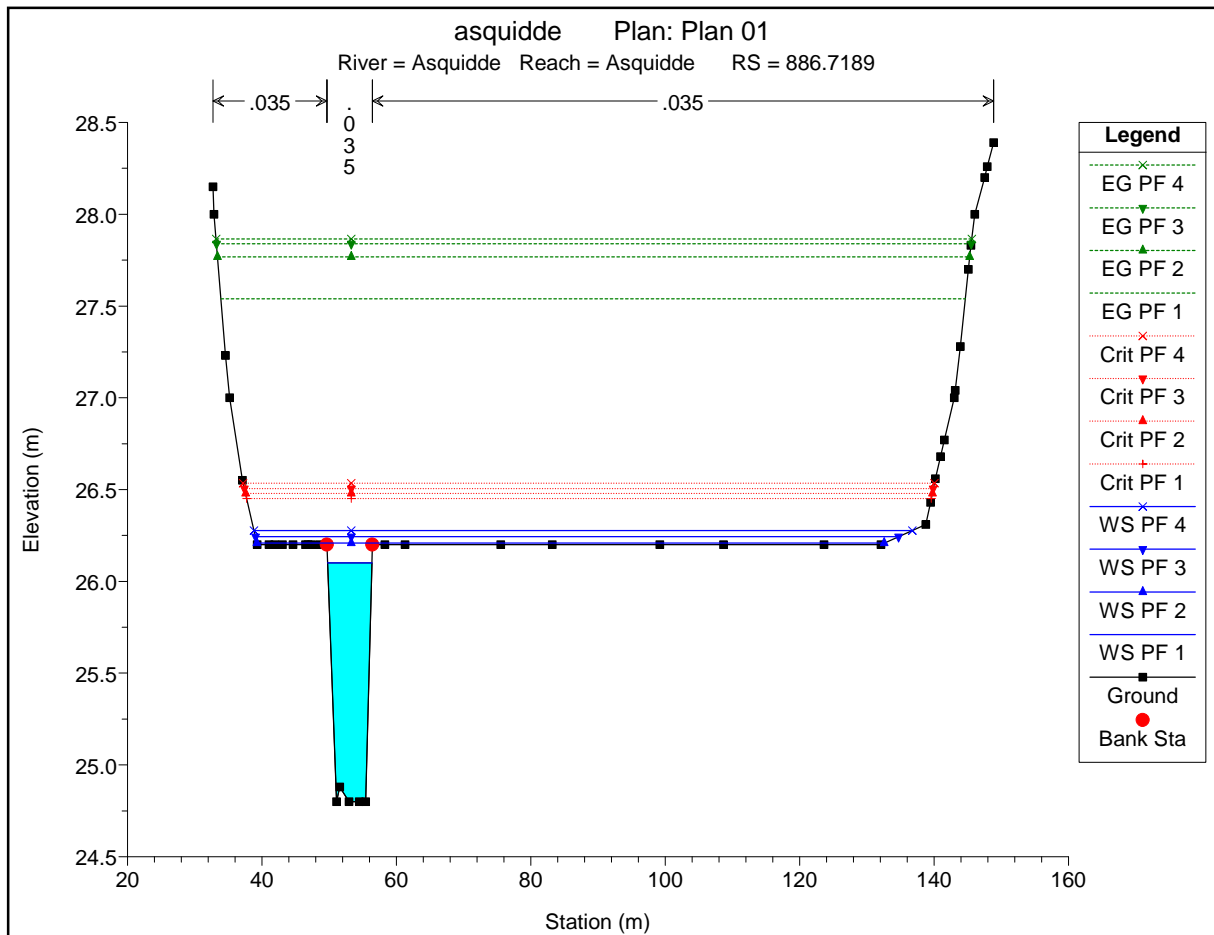
C. Ruiu

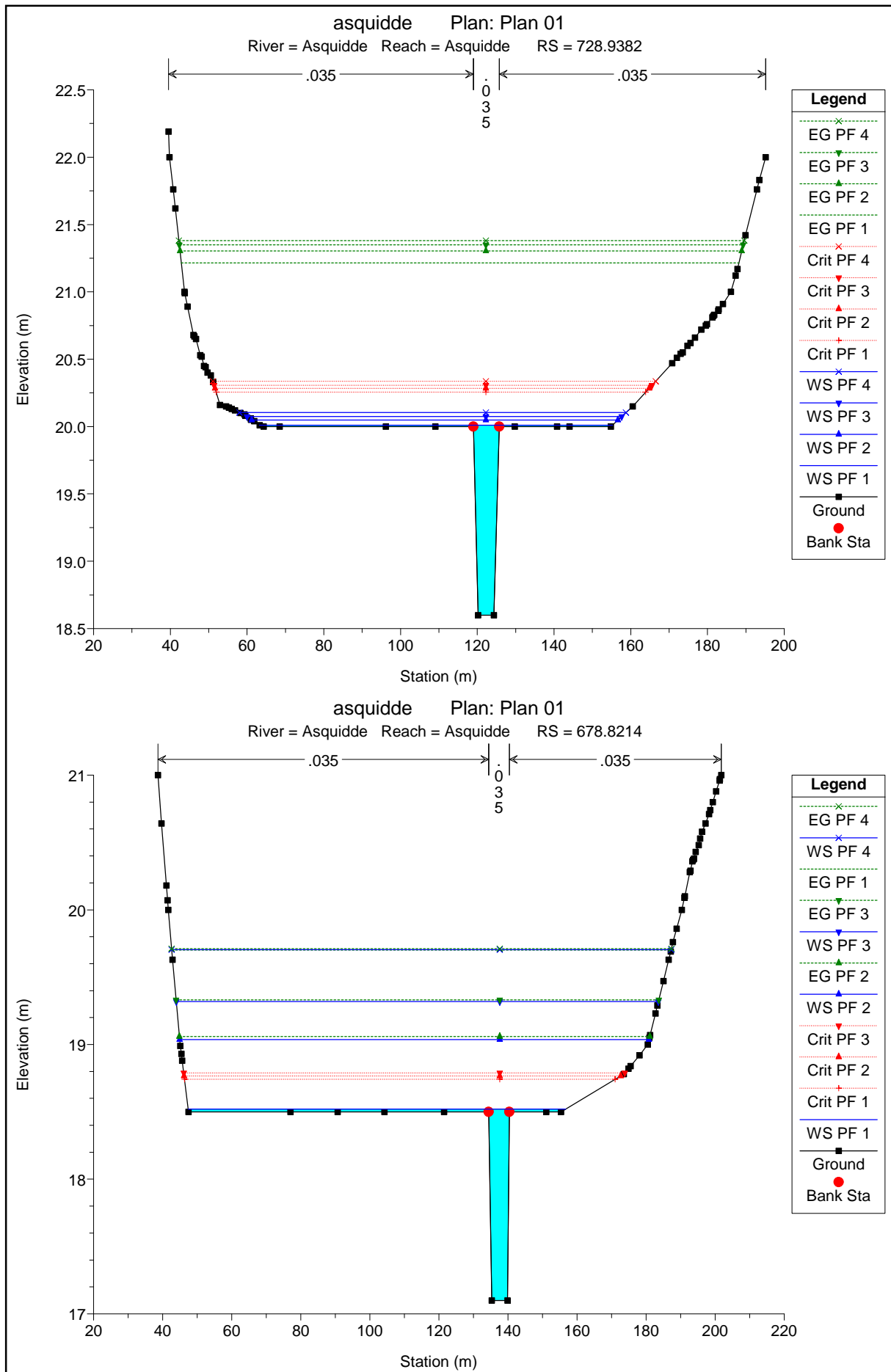
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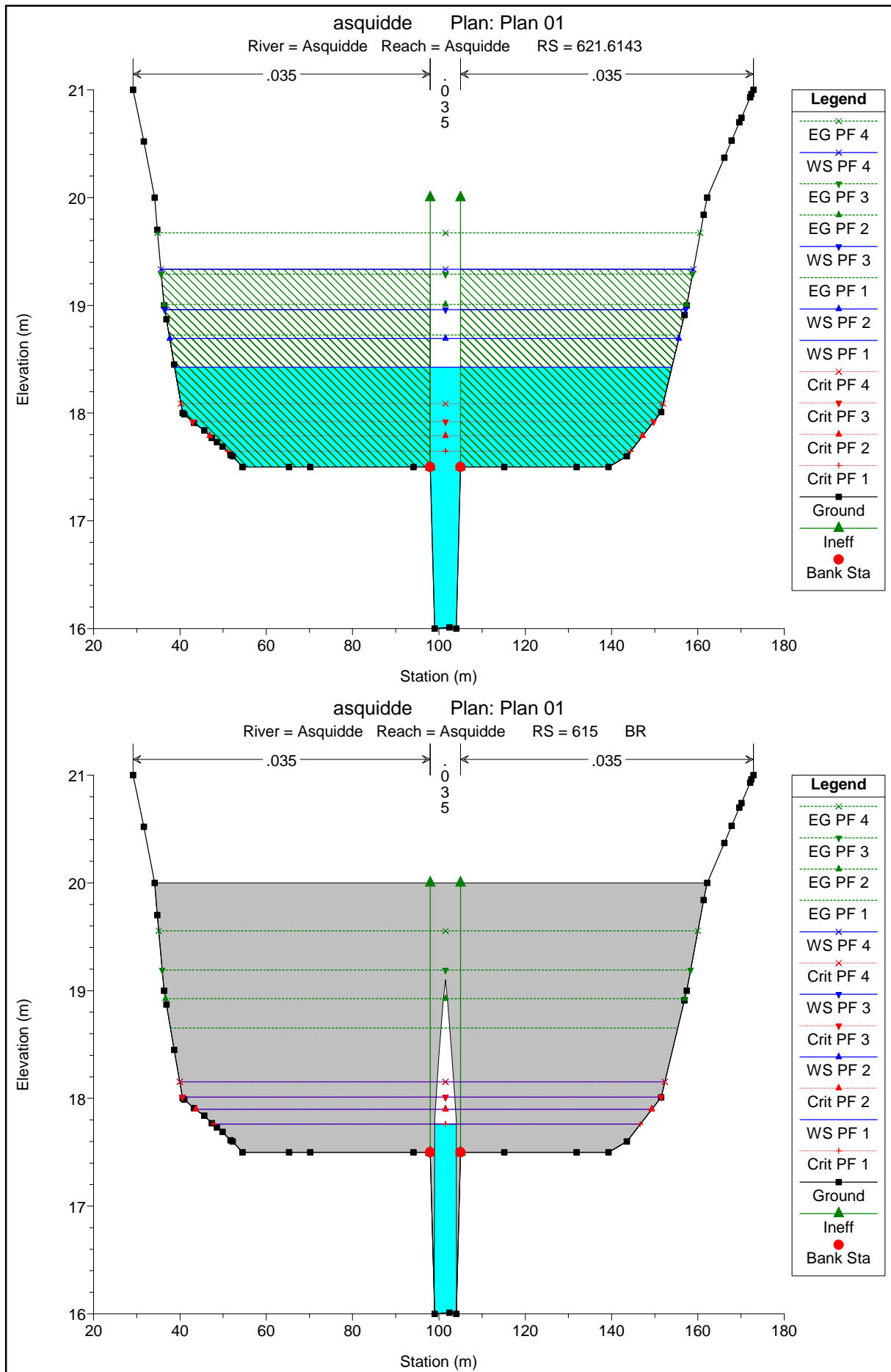


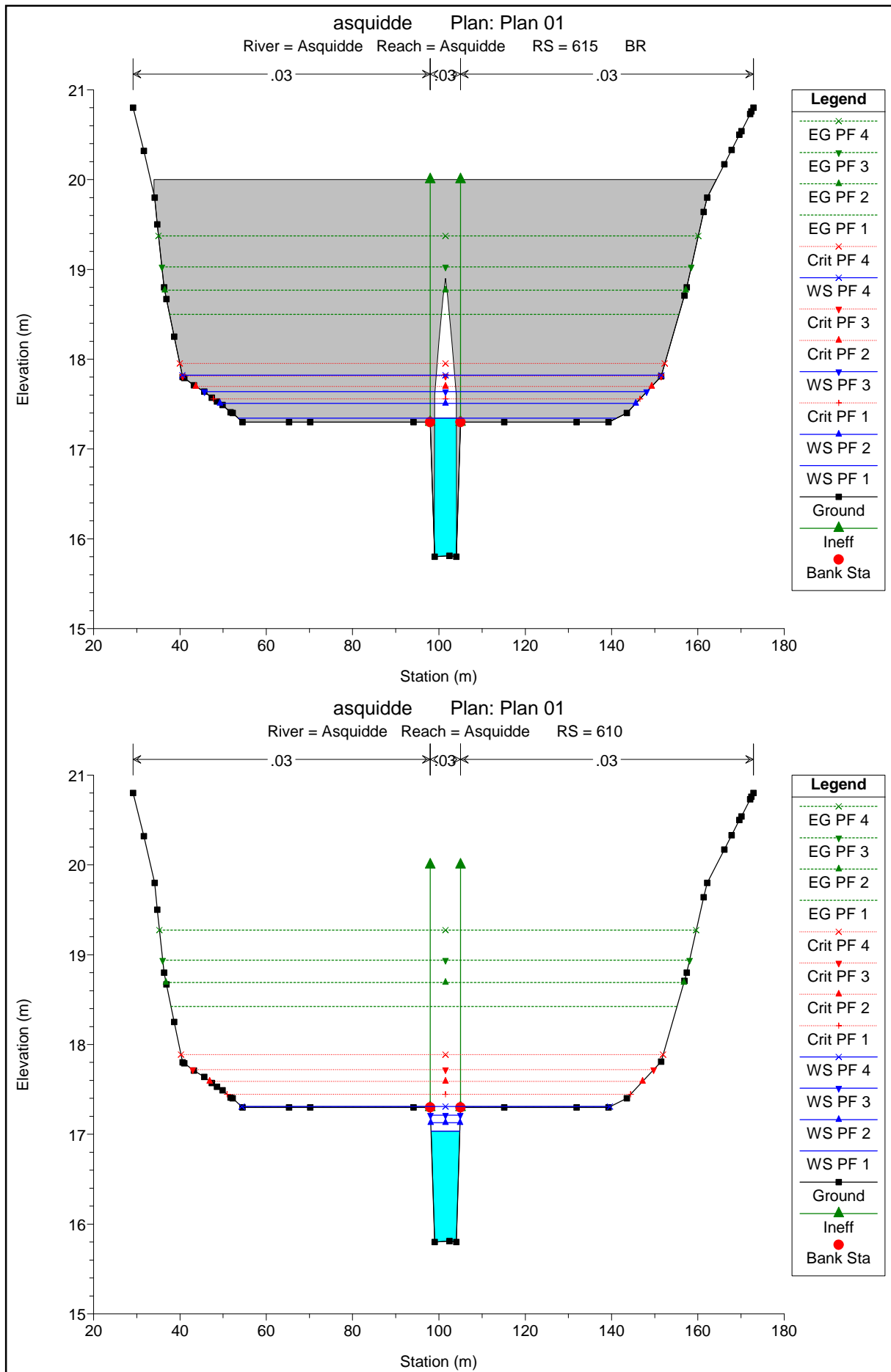


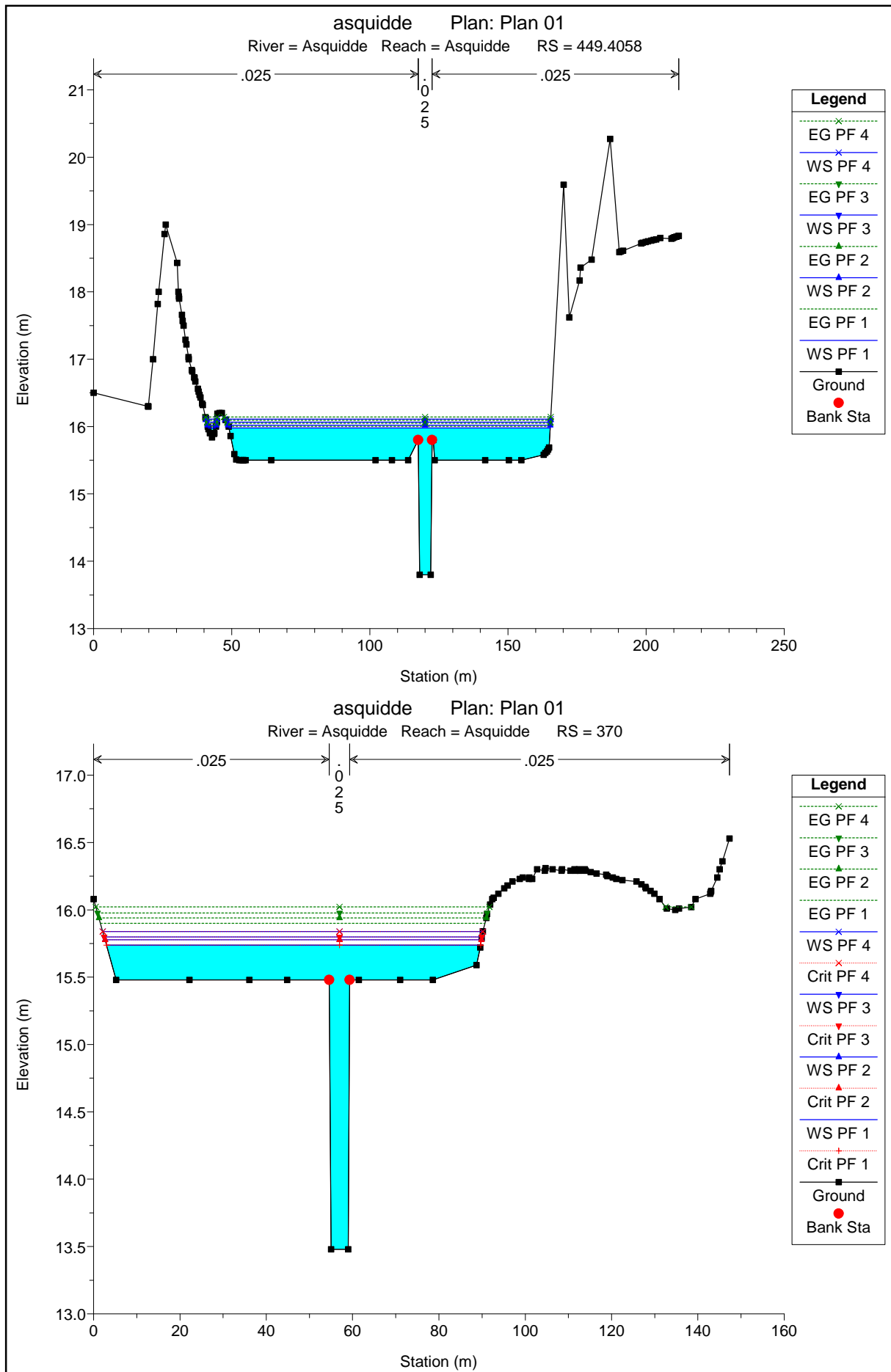


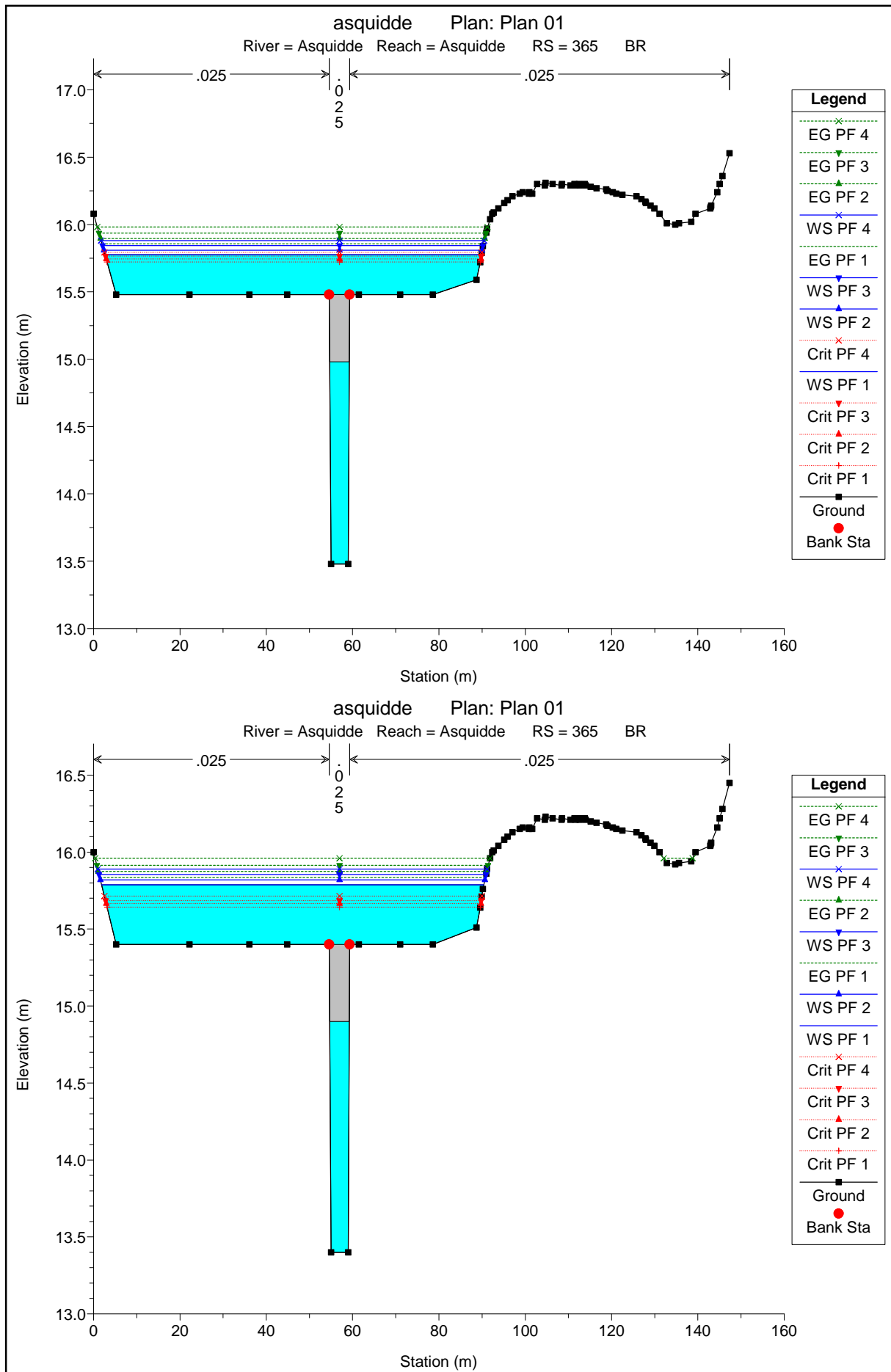


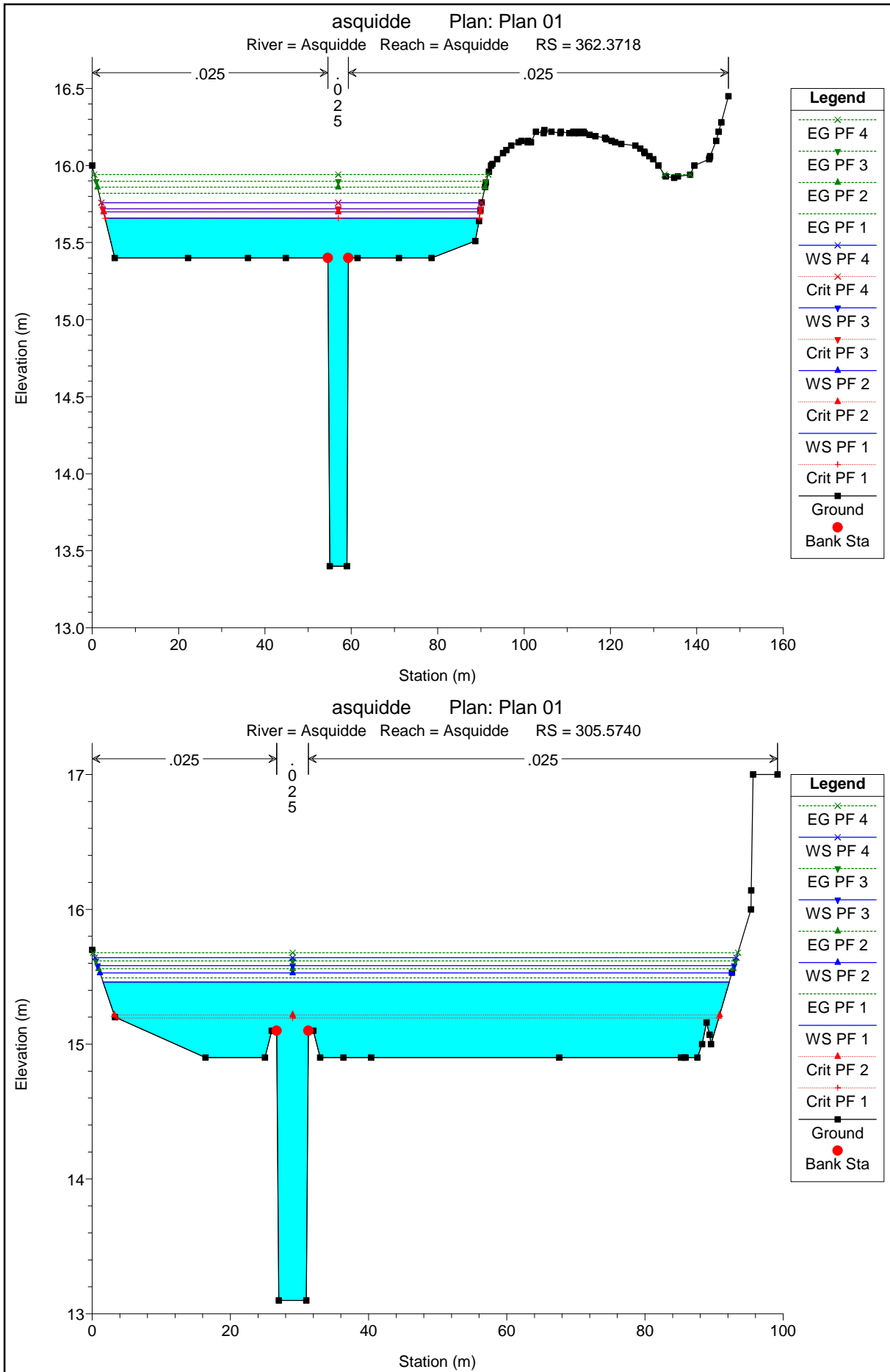


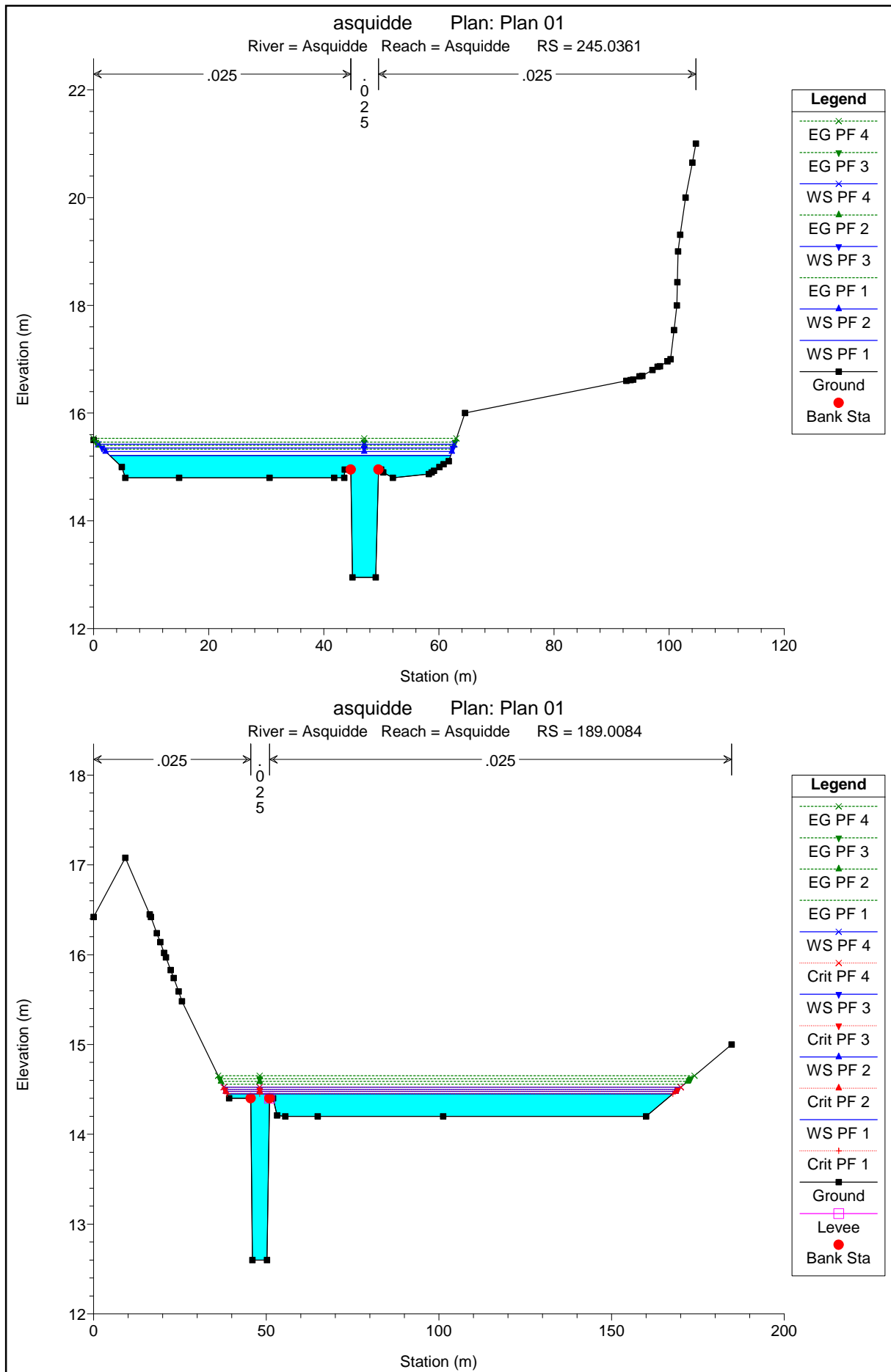






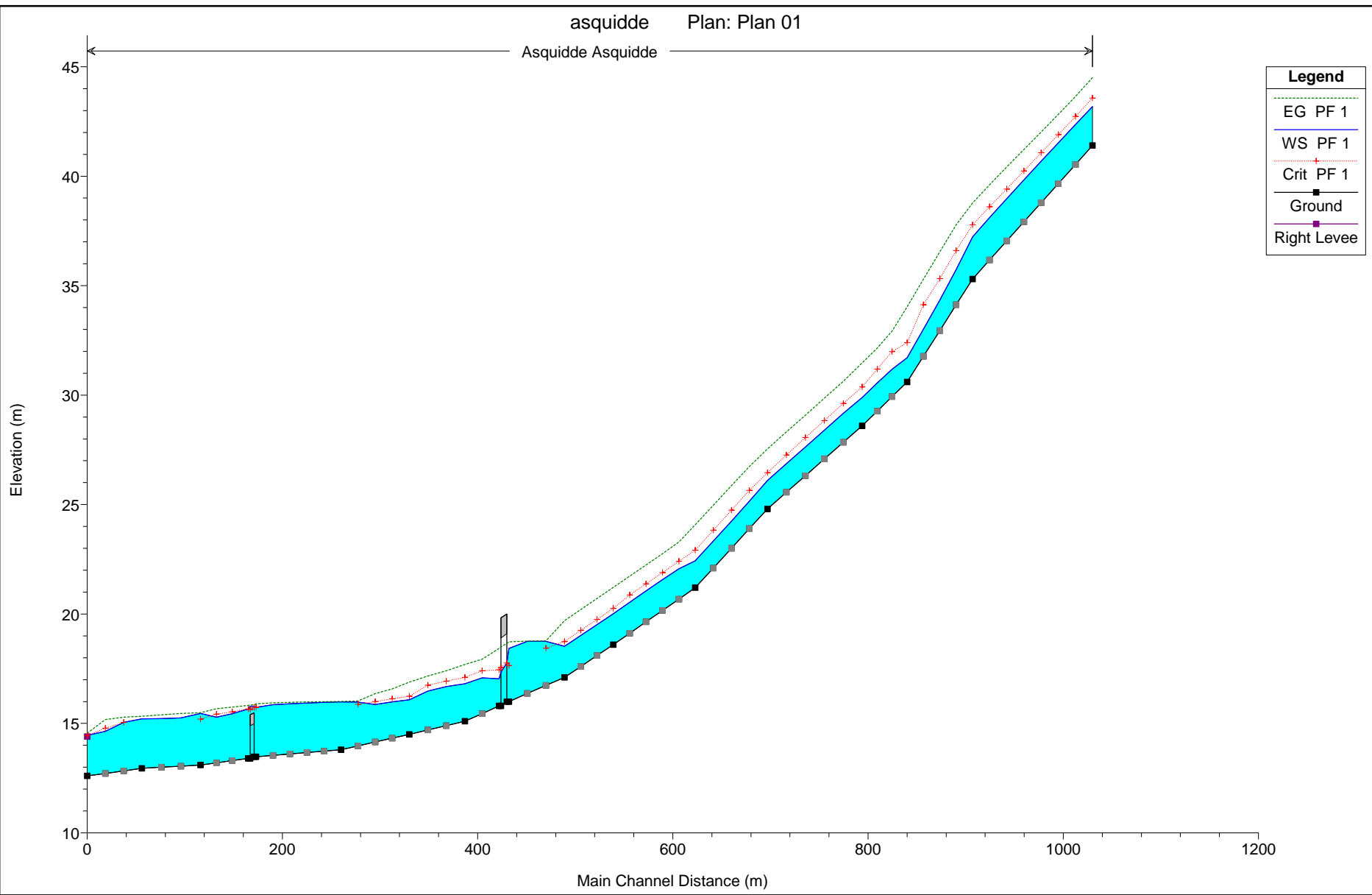






asquidde Plan: Plan 01

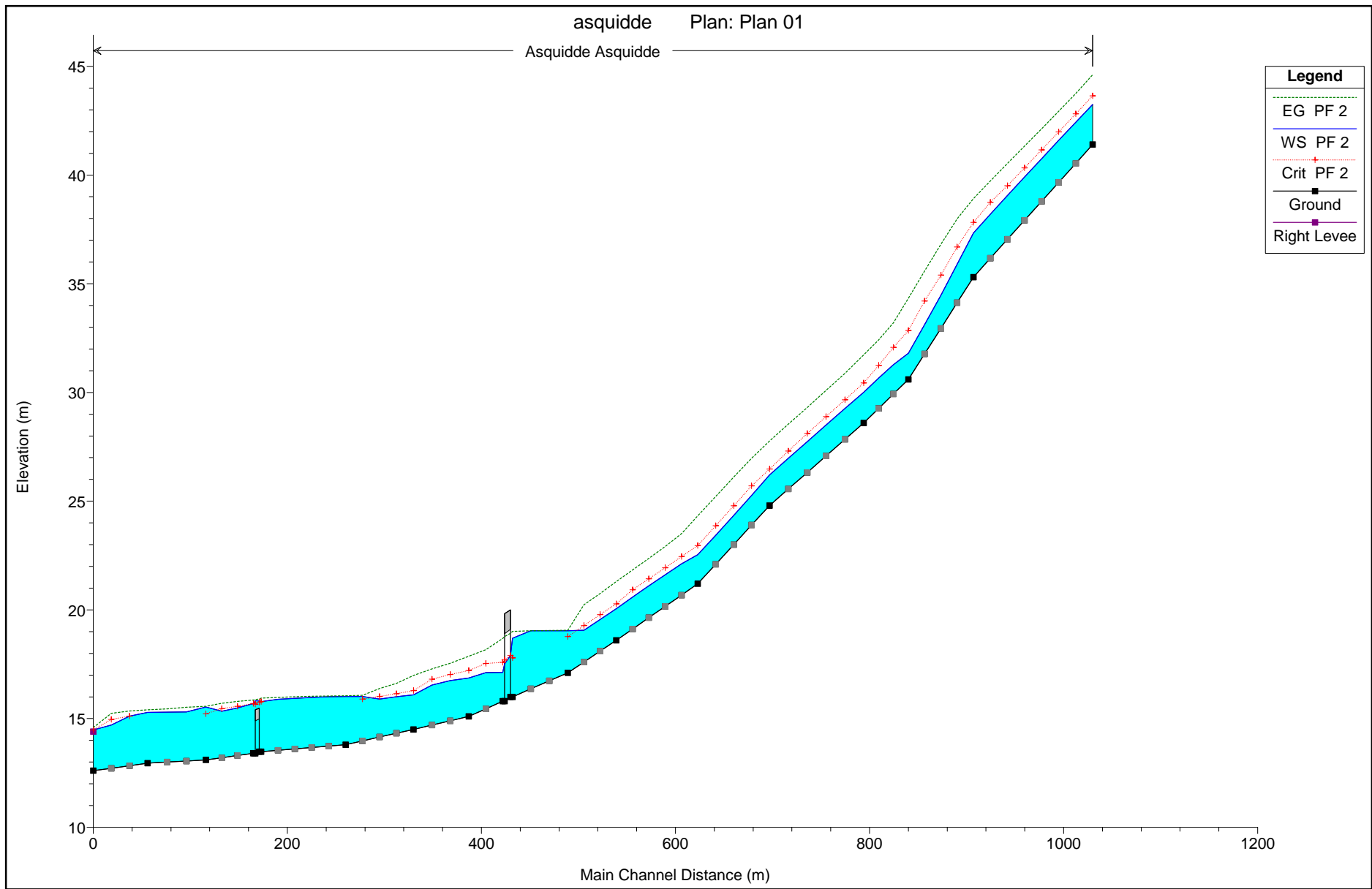
Asquidde Asquidde



Elevation (m)

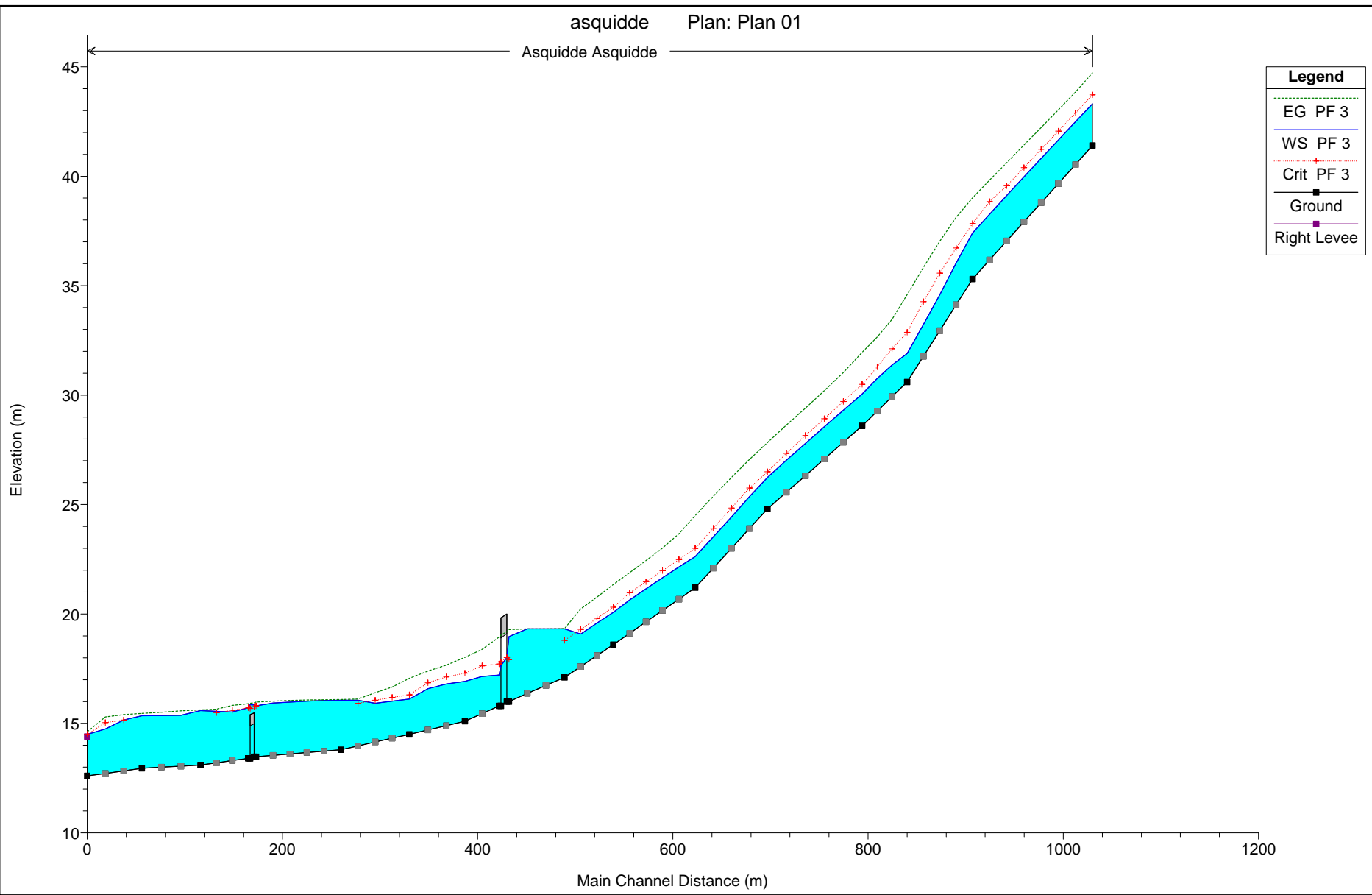
Main Channel Distance (m)

Legend	
EG PF 1	(Green dashed line)
WS PF 1	(Blue solid line)
Crit PF 1	(Red dotted line with crosses)
Ground	(Black solid line with squares)
Right Levee	(Purple solid line with squares)

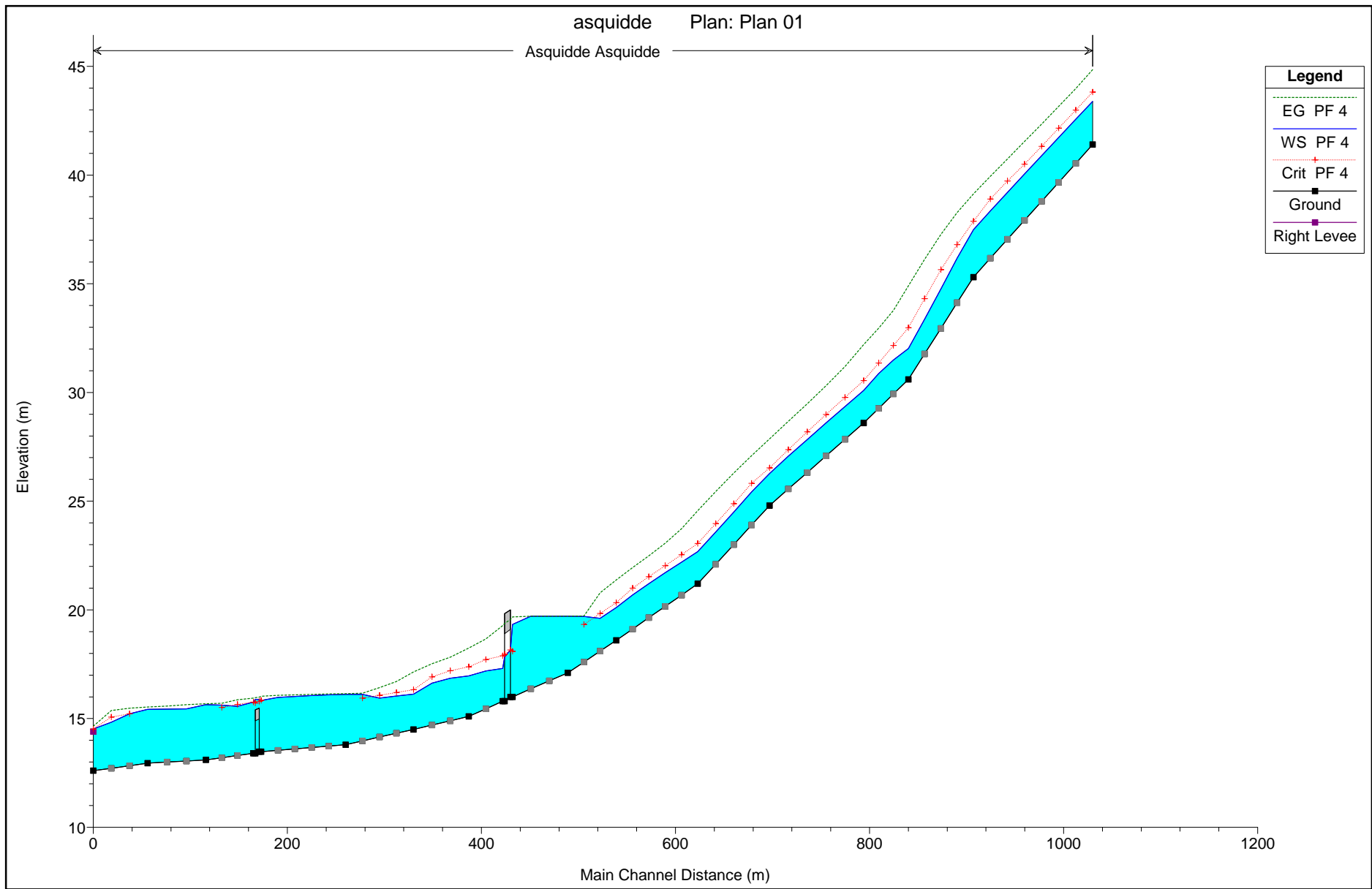


asquidde Plan: Plan 01

Asquidde Asquidde



Legend	
EG PF 3	(Green dotted line)
WS PF 3	(Blue solid line)
Crit PF 3	(Red dotted line with + markers)
Ground	(Black line with square markers)
Right Levee	(Purple line with square markers)



HEC-RAS Plan: Plan 01 River: Asquidde Reach: Asquidde

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
Asquidde	1219.614	PF 1	37.41	41.40	43.18	43.57	44.51	0.050093	5.56	8.53	15.60	1.52
Asquidde	1219.614	PF 2	43.17	41.40	43.25	43.64	44.62	0.050068	5.75	9.63	16.00	1.53
Asquidde	1219.614	PF 3	48.71	41.40	43.31	43.72	44.72	0.050056	5.91	10.62	16.35	1.54
Asquidde	1219.614	PF 4	56.11	41.40	43.39	43.82	44.85	0.050046	6.10	11.86	16.79	1.55
Asquidde	1096.320	PF 1	37.41	35.30	37.22	37.77	38.78	0.047565	5.64	7.41	11.90	1.47
Asquidde	1096.320	PF 2	43.17	35.30	37.33	37.82	38.92	0.045888	5.81	9.03	17.82	1.47
Asquidde	1096.320	PF 3	48.71	35.30	37.41	37.84	39.02	0.045610	5.97	10.54	21.92	1.47
Asquidde	1096.320	PF 4	56.11	35.30	37.49	37.88	39.13	0.046046	6.19	12.43	26.16	1.49
Asquidde	1029.167	PF 1	37.41	30.60	31.71	32.40	34.03	0.076076	6.75	5.54	5.87	2.22
Asquidde	1029.167	PF 2	43.17	30.60	31.81	32.85	34.33	0.075611	7.03	6.14	6.03	2.22
Asquidde	1029.167	PF 3	48.71	30.60	31.90	32.87	34.59	0.074865	7.26	6.70	6.17	2.22
Asquidde	1029.167	PF 4	56.11	30.60	32.02	32.98	34.91	0.073553	7.52	7.46	6.36	2.22
Asquidde	983.1393	PF 1	37.41	28.60	29.89	30.38	31.47	0.043784	5.57	6.71	6.14	1.70
Asquidde	983.1393	PF 2	43.17	28.60	30.00	30.44	31.73	0.043814	5.82	7.57	31.95	1.71
Asquidde	983.1393	PF 3	48.71	28.60	30.05	30.49	31.95	0.047018	6.18	9.03	33.00	1.78
Asquidde	983.1393	PF 4	56.11	28.60	30.09	30.55	32.20	0.051604	6.63	10.49	34.14	1.88
Asquidde	886.7189	PF 1	37.41	24.80	26.10	26.45	27.54	0.039740	5.31	7.04	6.61	1.64
Asquidde	886.7189	PF 2	43.17	24.80	26.21	26.48	27.77	0.039688	5.54	8.48	93.35	1.65
Asquidde	886.7189	PF 3	48.71	24.80	26.24	26.50	27.84	0.041087	5.75	11.80	95.70	1.69
Asquidde	886.7189	PF 4	56.11	24.80	26.28	26.54	27.86	0.042480	5.96	15.02	97.92	1.73
Asquidde	812.1390	PF 1	37.41	21.20	22.43	22.92	24.08	0.048914	5.68	6.59	6.79	1.84
Asquidde	812.1390	PF 2	43.17	21.20	22.53	22.96	24.32	0.049045	5.92	7.29	7.03	1.86
Asquidde	812.1390	PF 3	48.71	21.20	22.62	23.00	24.50	0.048229	6.10	8.84	50.34	1.86
Asquidde	812.1390	PF 4	56.11	21.20	22.68	23.05	24.57	0.048136	6.30	11.68	51.76	1.87
Asquidde	728.9382	PF 1	37.41	18.60	20.01	20.26	21.22	0.030673	4.88	8.54	91.96	1.46
Asquidde	728.9382	PF 2	43.17	18.60	20.05	20.28	21.30	0.032508	5.13	12.02	95.41	1.51
Asquidde	728.9382	PF 3	48.71	18.60	20.07	20.31	21.35	0.033999	5.32	14.52	97.65	1.55
Asquidde	728.9382	PF 4	56.11	18.60	20.10	20.34	21.38	0.035493	5.53	17.45	100.69	1.59
Asquidde	678.8214	PF 1	37.41	17.10	18.52	18.74	19.70	0.030053	4.87	9.63	109.29	1.39
Asquidde	678.8214	PF 2	43.17	17.10	19.04	18.77	19.06	0.000813	1.01	74.25	135.92	0.24
Asquidde	678.8214	PF 3	48.71	17.10	19.32	18.79	19.33	0.000285	0.66	113.24	139.62	0.15
Asquidde	678.8214	PF 4	56.11	17.10	19.70		19.71	0.000110	0.46	167.94	144.66	0.09
Asquidde	621.6143	PF 1	37.41	16.00	18.43	17.64	18.72	0.003288	2.42	15.45	115.19	0.52
Asquidde	621.6143	PF 2	43.17	16.00	18.69	17.79	19.01	0.002995	2.49	17.32	117.94	0.51
Asquidde	621.6143	PF 3	48.71	16.00	18.96	17.92	19.29	0.002706	2.54	19.20	120.67	0.49
Asquidde	621.6143	PF 4	56.11	16.00	19.34	18.09	19.67	0.002342	2.57	21.82	123.40	0.46
Asquidde	615		Bridge									
Asquidde	610	PF 1	37.41	15.80	17.03	17.44	18.42	0.028297	5.22	7.16	6.65	1.61
Asquidde	610	PF 2	43.17	15.80	17.13	17.59	18.69	0.029455	5.54	7.80	6.77	1.65
Asquidde	610	PF 3	48.71	15.80	17.21	17.72	18.94	0.030689	5.82	8.36	6.88	1.69
Asquidde	610	PF 4	56.11	15.80	17.31	17.89	19.27	0.032540	6.21	9.03	85.28	1.75
Asquidde	576.8607	PF 1	37.41	15.10	16.81	17.11	17.69	0.014347	4.33	10.23	16.77	1.10
Asquidde	576.8607	PF 2	43.17	15.10	16.87	17.21	17.87	0.016022	4.68	11.15	17.32	1.17
Asquidde	576.8607	PF 3	48.71	15.10	16.92	17.29	18.02	0.017402	4.97	12.02	17.81	1.23
Asquidde	576.8607	PF 4	56.11	15.10	16.97	17.39	18.24	0.019648	5.39	12.94	18.41	1.31
Asquidde	519.1534	PF 1	37.41	14.50	16.08	16.25	16.89	0.017160	4.36	14.96	108.12	1.16
Asquidde	519.1534	PF 2	43.17	14.50	16.09	16.28	16.98	0.019439	4.67	16.87	108.68	1.24
Asquidde	519.1534	PF 3	48.71	14.50	16.11	16.30	17.06	0.021475	4.95	18.51	109.16	1.30
Asquidde	519.1534	PF 4	56.11	14.50	16.13	16.33	17.15	0.024119	5.28	20.44	109.72	1.38
Asquidde	449.4058	PF 1	37.41	13.80	15.98		16.00	0.000499	1.02	61.37	118.99	0.23
Asquidde	449.4058	PF 2	43.17	13.80	16.02		16.05	0.000526	1.06	66.45	119.86	0.24
Asquidde	449.4058	PF 3	48.71	13.80	16.06		16.09	0.000538	1.09	71.53	120.79	0.24
Asquidde	449.4058	PF 4	56.11	13.80	16.11		16.14	0.000565	1.13	77.36	121.86	0.25
Asquidde	370	PF 1	37.41	13.48	15.74	15.74	15.90	0.002348	2.23	30.04	86.69	0.49
Asquidde	370	PF 2	43.17	13.48	15.78	15.78	15.94	0.002424	2.29	33.57	87.23	0.50
Asquidde	370	PF 3	48.71	13.48	15.80	15.80	15.98	0.002712	2.44	35.42	87.51	0.53
Asquidde	370	PF 4	56.11	13.48	15.84	15.84	16.02	0.002858	2.54	38.86	88.05	0.54
Asquidde	365		Bridge									
Asquidde	362.3718	PF 1	37.41	13.40	15.66	15.66	15.82	0.002345	2.23	30.06	86.69	0.49
Asquidde	362.3718	PF 2	43.17	13.40	15.70	15.70	15.86	0.002425	2.29	33.56	87.23	0.50
Asquidde	362.3718	PF 3	48.71	13.40	15.72	15.72	15.90	0.002712	2.44	35.42	87.51	0.53
Asquidde	362.3718	PF 4	56.11	13.40	15.76	15.76	15.94	0.002858	2.54	38.86	88.05	0.54
Asquidde	305.5740	PF 1	37.41	13.10	15.46	15.19	15.49	0.000544	1.10	54.09	90.62	0.23
Asquidde	305.5740	PF 2	43.17	13.10	15.53	15.22	15.56	0.000526	1.10	60.30	91.46	0.23
Asquidde	305.5740	PF 3	48.71	13.10	15.58		15.62	0.000527	1.12	65.35	92.14	0.23
Asquidde	305.5740	PF 4	56.11	13.10	15.64		15.68	0.000552	1.16	70.72	92.86	0.24

HEC-RAS Plan: Plan 01 River: Asquidde Reach: Asquidde (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
Asquidde	245.0361	PF 1	37.41	12.95	15.21		15.33	0.001742	1.94	30.58	59.23	0.43
Asquidde	245.0361	PF 2	43.17	12.95	15.29		15.40	0.001631	1.92	35.04	60.20	0.41
Asquidde	245.0361	PF 3	48.71	12.95	15.35		15.46	0.001574	1.92	38.84	61.01	0.41
Asquidde	245.0361	PF 4	56.11	12.95	15.42		15.53	0.001555	1.95	43.22	61.93	0.41
Asquidde	189.0084	PF 1	37.41	12.60	14.45	14.45	14.56	0.002096	1.97	37.21	129.13	0.49
Asquidde	189.0084	PF 2	43.17	12.60	14.48	14.48	14.59	0.002272	2.07	40.50	130.24	0.51
Asquidde	189.0084	PF 3	48.71	12.60	14.50	14.50	14.62	0.002460	2.17	43.21	131.15	0.53
Asquidde	189.0084	PF 4	56.11	12.60	14.52	14.52	14.65	0.002661	2.29	46.78	132.33	0.56