

REGIONE
BASILICATA



PROVINCIA DI
POTENZA



COMUNE DI
SANT'ARCANGELO

OGGETTO:

PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN PARCO AGRI-VOLTAICO A TERRA "SANT'ARC. 1" DELLA POTENZA NOMINALE DI 50 MW LOCALITA' "MONTICELLI" NEL COMUNE DI SANT'ARCANGELO (PZ)

ELABORATO:

SIMULAZIONE IDRAULICA

-RISULTATI GRAFICI E TABELLARI DELLO STATO DI PROGETTO



PROPONENTE:

COMPAGNIA DEL SOLE TRE S.R.L.
P.IVA IT04320520986
VIA ALDO MORO, 28
25043- BRENO (BS)

PROGETTAZIONE:

Ing. Carmen Martone
Iscr. n. 1872
Ordine Ingegneri Potenza
C.F. MRTCMN73D56H703E

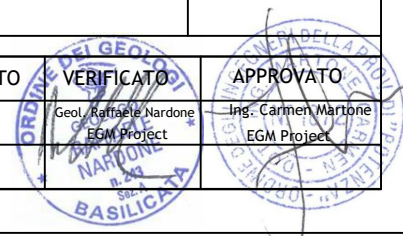


Geol. Raffaele Nardone
Iscr. n. 243
Ordine Geologi Basilicata
C.F. NRDRFL71H04A509H



EGM PROJECT S.R.L.
VIA VERRASTRO 15/A
85100- POTENZA (PZ)
P.IVA 02094310766
REA PZ-206983

Livello prog.	Cat. opera	N°. prog.elaborato	Tipo elaborato	N° foglio	Tot. fogli	Nome file	Scala
PD	I.IF	A.3.3	R				
REV.	DATA	DESCRIZIONE			ESEGUITO	VERIFICATO	APPROVATO
00	GENNAIO 2023	Emissione				Geol. Raffaele Nardone EGM Project	Ing. Carmen Martone EGM Project



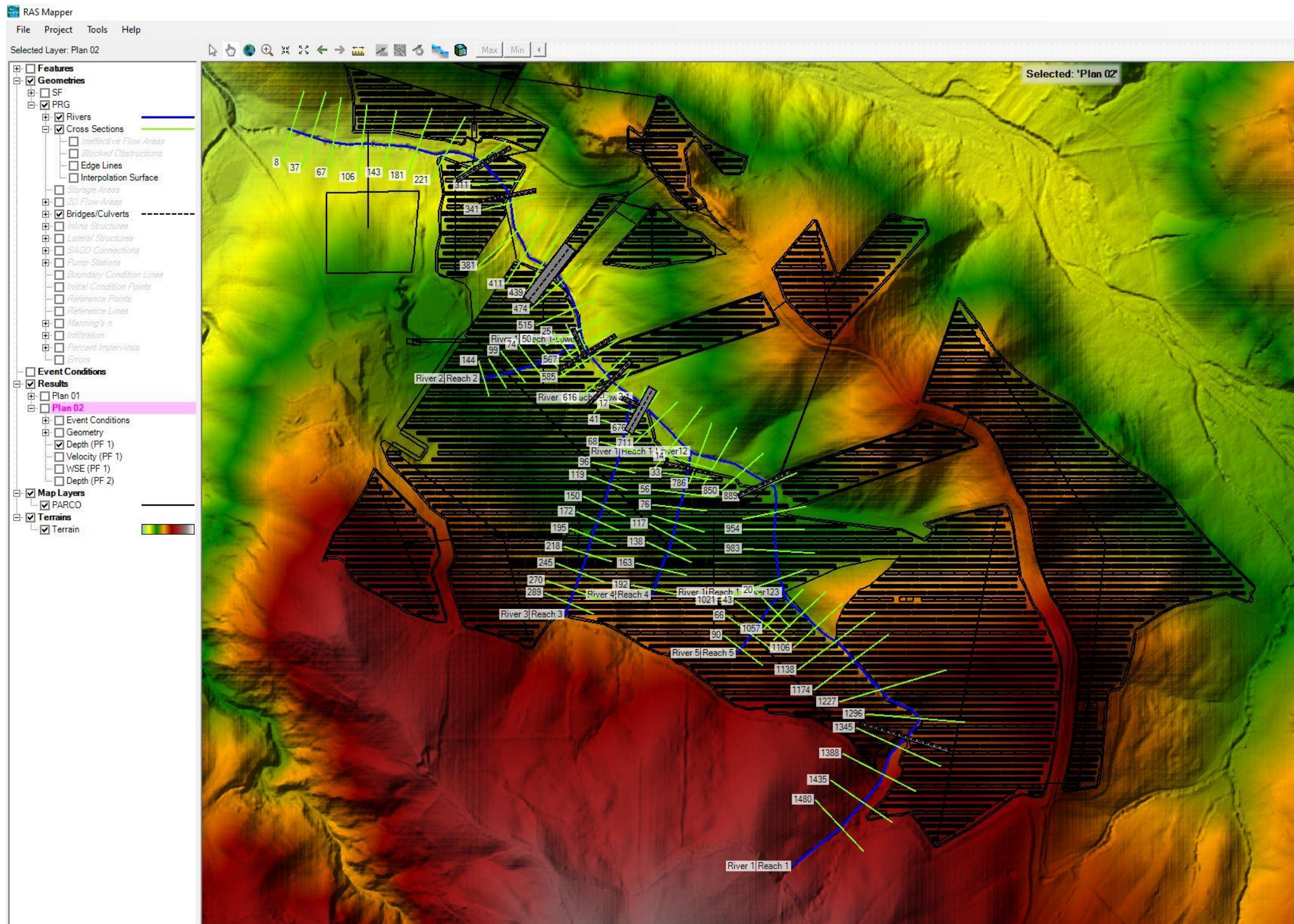


Figura 1 – Planimetria dello stato di progetto

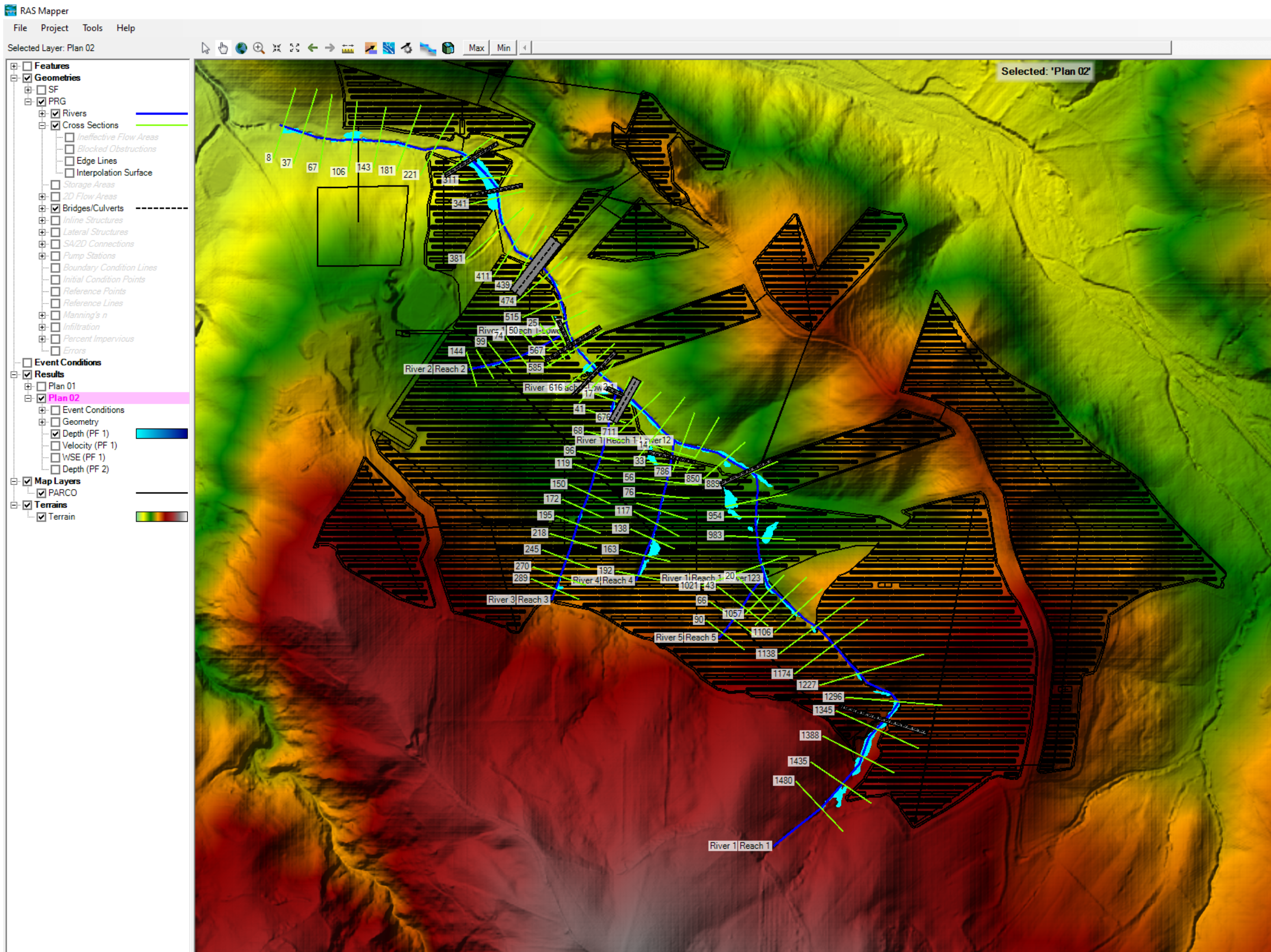
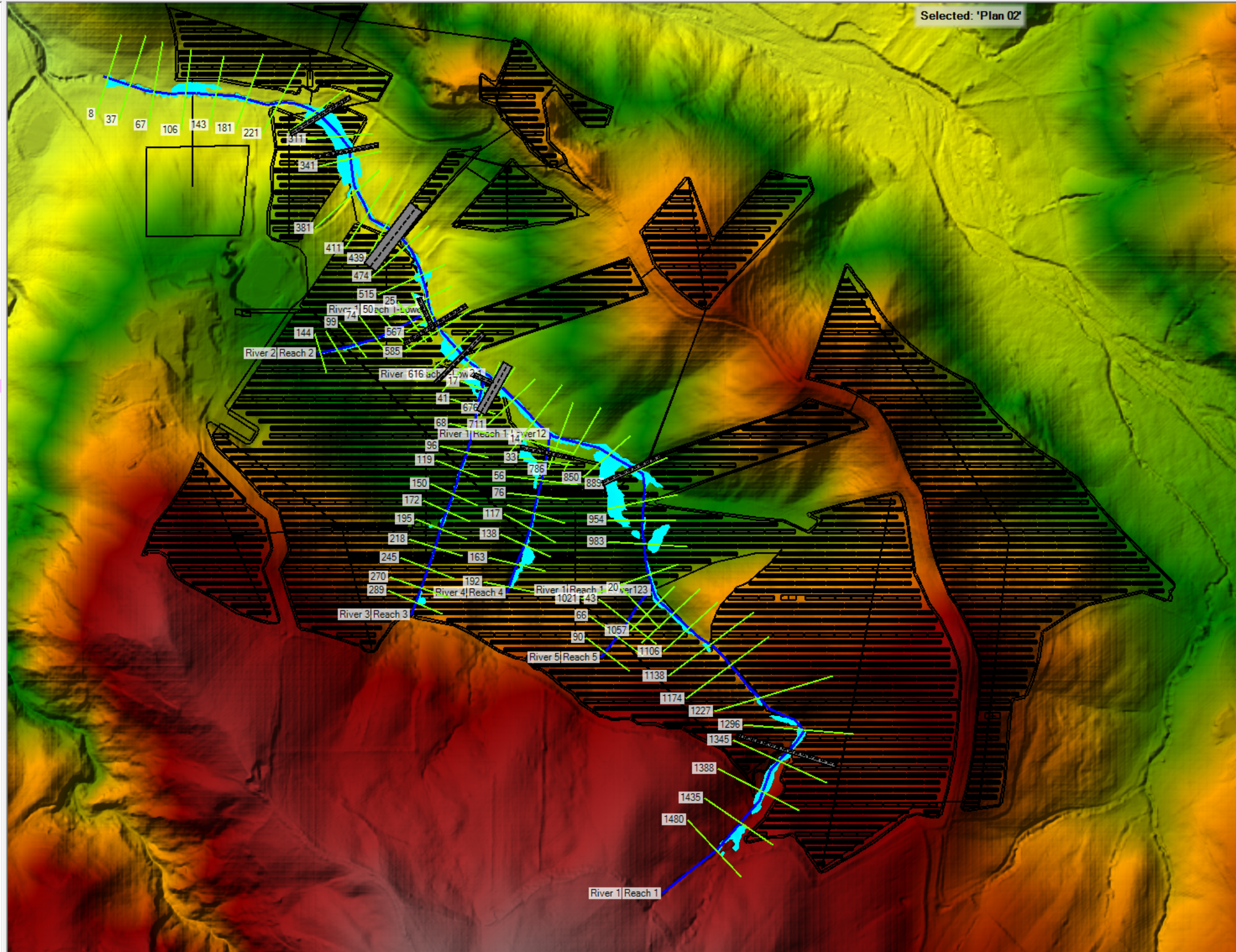


Figura 2 – Risultati simulazione per TR=30 ANNI

- Features
 - Geometries
 - SF
 - PRG
 - Rivers
 - Cross Sections
 - Ineffective Flow Areas
 - Blocked Obstructions
 - Edge Lines
 - Interpolation Surface
 - Storage Areas
 - 2D Flow Areas
 - Bridges/Culverts
 - Inline Structures
 - Lateral Structures
 - SA2D Connections
 - Pump Stations
 - Boundary Condition Lines
 - Initial Condition Points
 - Reference Points
 - Reference Lines
 - Manning's n
 - Infiltration
 - Percent Impervious
 - Errors
- Event Conditions
- Results
 - Plan 01
 - Plan 02
 - Event Conditions
 - Geometry
 - Depth (PF 1)
 - Velocity (PF 1)
 - WSE (PF 1)
 - Depth (PF 2)
- Map Layers
 - PARCO
- Terrains
 - Terrain



Selected: 'Plan 02'

HEC-RAS Plan: Plan 02

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
River 5	Reach 5	90	PF 1	0.09	304.10	304.21	304.21	304.24	0.026406	0.81	0.11	1.63	1.00
River 5	Reach 5	90	PF 2	0.73	304.10	304.40	304.40	304.49	0.019750	1.36	0.54	2.92	1.01
River 5	Reach 5	66	PF 1	0.09	296.61	296.64	296.71	298.83	12.486090	6.55	0.01	0.90	16.97
River 5	Reach 5	66	PF 2	0.73	296.61	296.68	296.87	302.23	8.119172	10.43	0.07	1.66	16.20
River 5	Reach 5	43	PF 1	0.09	289.97	290.08	290.12	290.22	0.105903	1.68	0.05	0.71	1.95
River 5	Reach 5	43	PF 2	0.73	289.97	290.24	290.39	290.78	0.141650	3.24	0.23	1.35	2.54
River 5	Reach 5	20	PF 1	0.09	283.41	283.48	283.57	284.25	1.236289	3.88	0.02	0.57	6.16
River 5	Reach 5	20	PF 2	0.73	283.41	283.61	283.83	284.97	0.526312	5.16	0.14	1.15	4.70
River 4	Reach 4	192	PF 1	0.20	289.23	289.33	289.33	289.37	0.026103	0.83	0.24	3.46	1.00
River 4	Reach 4	192	PF 2	1.13	289.23	289.48	289.48	289.58	0.019123	1.38	0.82	4.21	1.00
River 4	Reach 4	163	PF 1	0.20	282.53	282.55	282.63	288.30	36.280180	10.62	0.02	1.34	28.62
River 4	Reach 4	163	PF 2	1.13	282.53	282.59	282.71	287.13	8.884827	9.43	0.12	3.54	16.38
River 4	Reach 4	138	PF 1	0.20	277.69	277.82	277.84	277.89	0.094638	1.24	0.16	3.31	1.79
River 4	Reach 4	138	PF 2	1.13	277.69	277.90	277.96	278.09	0.092419	1.92	0.59	6.09	1.98
River 4	Reach 4	117	PF 1	0.20	274.17	274.29	274.37	274.64	0.286392	2.65	0.08	1.11	3.25
River 4	Reach 4	117	PF 2	1.13	274.17	274.43	274.60	275.18	0.217540	3.84	0.29	2.01	3.20
River 4	Reach 4	97	PF 1	0.20	271.61	271.83	271.88	271.99	0.075840	1.81	0.11	1.01	1.74
River 4	Reach 4	97	PF 2	1.13	271.61	272.02	272.14	272.47	0.090162	2.99	0.38	1.82	2.10
River 4	Reach 4	76	PF 1	0.20	269.14	269.27	269.33	269.50	0.210091	2.15	0.09	1.51	2.76
River 4	Reach 4	76	PF 2	1.13	269.14	269.39	269.54	269.96	0.165959	3.32	0.34	2.37	2.80
River 4	Reach 4	56	PF 1	0.20	266.75	267.04	267.09	267.21	0.069291	1.87	0.11	0.75	1.58
River 4	Reach 4	56	PF 2	1.13	266.75	267.29	267.34	267.47	0.086515	1.89	0.60	5.72	1.87
River 4	Reach 4	33	PF 1	0.20	264.97	265.24	265.14	265.25	0.002625	0.27	0.74	10.10	0.32
River 4	Reach 4	33	PF 2	1.13	264.97	265.37	265.28	265.38	0.002722	0.40	2.84	22.31	0.36
River 4	Reach 4	25		Bridge									
River 4	Reach 4	14	PF 1	0.20	263.32	263.44	263.44	263.48	0.026638	0.84	0.24	3.28	1.00
River 4	Reach 4	14	PF 2	1.13	263.32	263.60	263.60	263.65	0.025038	1.00	1.12	11.42	1.02

HEC-RAS Plan: Plan 02 (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
River 3	Reach 3	289	PF 1	0.24	299.66	299.86	299.86	299.91	0.023752	1.04	0.23	2.17	1.01
River 3	Reach 3	289	PF 2	1.37	299.66	300.09	300.09	300.14	0.023038	1.06	1.29	11.61	1.01
River 3	Reach 3	270	PF 1	0.24	295.55	295.60	295.73	298.06	5.509763	6.95	0.03	1.11	12.60
River 3	Reach 3	270	PF 2	1.37	295.55	295.71	296.00	298.51	1.095460	7.41	0.18	1.56	6.88
River 3	Reach 3	245	PF 1	0.24	289.91	290.04	290.09	290.21	0.090068	1.79	0.13	1.50	1.91
River 3	Reach 3	245	PF 2	1.37	289.91	290.19	290.35	290.77	0.125115	3.39	0.40	2.17	2.51
River 3	Reach 3	218	PF 1	0.24	283.03	283.09	283.19	283.98	1.306069	4.19	0.06	1.36	6.50
River 3	Reach 3	218	PF 2	1.37	283.03	283.20	283.40	284.52	0.535722	5.08	0.27	2.43	4.87
River 3	Reach 3	195	PF 1	0.24	277.88	278.00	278.05	278.14	0.098839	1.67	0.14	1.92	1.95
River 3	Reach 3	195	PF 2	1.37	277.88	278.11	278.19	278.39	0.145805	2.35	0.58	6.26	2.46
River 3	Reach 3	172	PF 1	0.24	272.88	272.99	273.09	273.57	0.577427	3.38	0.07	1.22	4.47
River 3	Reach 3	172	PF 2	1.37	272.88	273.14	273.33	274.03	0.251140	4.17	0.33	2.16	3.42
River 3	Reach 3	150	PF 1	0.24	270.18	270.43	270.47	270.57	0.055645	1.70	0.14	1.11	1.52
River 3	Reach 3	150	PF 2	1.37	270.18	270.63	270.78	271.09	0.076733	2.98	0.46	1.96	1.97
River 3	Reach 3	119	PF 1	0.24	266.76	266.95	267.06	267.38	0.235691	2.90	0.08	0.86	2.98
River 3	Reach 3	119	PF 2	1.37	266.76	267.18	267.42	267.90	0.137201	3.78	0.36	1.65	2.57
River 3	Reach 3	96	PF 1	0.24	264.42	264.54	264.59	264.69	0.067879	1.66	0.14	1.41	1.66
River 3	Reach 3	96	PF 2	1.37	264.42	264.71	264.87	265.26	0.096655	3.26	0.42	1.87	2.20
River 3	Reach 3	68	PF 1	0.24	262.03	262.31	262.38	262.53	0.083867	2.08	0.12	0.82	1.77
River 3	Reach 3	68	PF 2	1.37	262.03	262.61	262.79	263.04	0.062199	2.91	0.47	1.58	1.71
River 3	Reach 3	41	PF 1	0.24	260.54	260.70	260.73	260.81	0.048795	1.50	0.16	1.42	1.43
River 3	Reach 3	41	PF 2	1.37	260.54	260.88	261.04	261.29	0.067296	2.84	0.48	2.04	1.87
River 3	Reach 3	17	PF 1	0.24	259.52	259.79	259.68	259.80	0.002740	0.49	0.49	2.72	0.37
River 3	Reach 3	17	PF 2	1.37	259.52	260.08	259.96	260.09	0.002845	0.37	3.70	33.67	0.36
River 3	Reach 3	15		Bridge									
River 3	Reach 3	2	PF 1	0.24	258.83	259.03	259.03	259.09	0.022534	1.11	0.22	1.72	1.00

HEC-RAS Plan: Plan 02 (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
River 3	Reach 3	2	PF 2	1.37	258.83	259.13	259.30	259.67	0.114209	3.25	0.42	2.24	2.40
River 2	Reach 2	144	PF 1	0.11	269.51	269.72	269.72	269.78	0.025960	1.03	0.11	1.01	1.01
River 2	Reach 2	144	PF 2	0.63	269.51	269.94	269.94	270.05	0.020590	1.46	0.43	2.03	1.02
River 2	Reach 2	123	PF 1	0.11	265.49	265.53	265.62	267.62	6.454775	6.41	0.02	0.71	13.15
River 2	Reach 2	123	PF 2	0.63	265.49	265.59	265.78	268.32	2.375302	7.31	0.09	1.37	9.31
River 2	Reach 2	99	PF 1	0.11	261.28	261.38	261.40	261.45	0.070762	1.16	0.09	1.73	1.58
River 2	Reach 2	99	PF 2	0.63	261.28	261.47	261.53	261.69	0.086880	2.07	0.30	2.70	1.96
River 2	Reach 2	74	PF 1	0.11	258.64	258.71	258.75	258.82	0.172566	1.45	0.08	1.93	2.34
River 2	Reach 2	74	PF 2	0.63	258.64	258.80	258.88	259.10	0.125743	2.41	0.26	2.40	2.34
River 2	Reach 2	50	PF 1	0.11	257.00	257.11	257.12	257.16	0.037352	0.98	0.11	1.62	1.19
River 2	Reach 2	50	PF 2	0.63	257.00	257.23	257.28	257.39	0.045041	1.75	0.36	2.47	1.47
River 2	Reach 2	25	PF 1	0.11	255.88	255.95	255.97	256.02	0.058359	1.13	0.10	1.58	1.45
River 2	Reach 2	25	PF 2	0.63	255.88	256.08	256.13	256.25	0.046313	1.84	0.34	2.20	1.49
River 2	Reach 2	10	PF 1	0.11	255.09	255.27	255.21	255.28	0.004296	0.42	0.26	2.61	0.43
River 2	Reach 2	10	PF 2	0.63	255.09	255.44	255.35	255.45	0.006408	0.51	1.22	12.45	0.52
River 2	Reach 2	9		Bridge									
River 2	Reach 2	0	PF 1	0.11	254.41	254.51	254.50	254.54	0.019286	0.75	0.15	1.96	0.87
River 2	Reach 2	0	PF 2	0.63	254.41	255.00	254.65	255.01	0.000236	0.17	3.69	16.34	0.11
River 1	Reach 1	1480	PF 1	3.23	340.39	341.30	341.30	341.51	0.016919	2.01	1.61	3.91	1.00
River 1	Reach 1	1480	PF 2	7.97	340.39	341.64	341.64	341.86	0.015740	2.06	3.86	8.94	1.00
River 1	Reach 1	1435	PF 1	3.23	331.99	332.13	332.44	338.28	3.484704	10.98	0.29	3.42	11.96
River 1	Reach 1	1435	PF 2	7.97	331.99	332.23	332.65	338.86	1.910844	11.41	0.70	4.89	9.63
River 1	Reach 1	1388	PF 1	3.23	323.97	324.29	324.42	324.69	0.083471	2.78	1.16	6.41	2.09
River 1	Reach 1	1388	PF 2	7.97	323.97	324.43	324.63	325.12	0.094218	3.68	2.17	8.61	2.34
River 1	Reach 1	1345	PF 1	3.23	317.74	318.24	318.45	319.19	0.210441	4.31	0.75	4.10	3.22
River 1	Reach 1	1345	PF 2	7.97	317.74	318.41	318.72	319.71	0.168759	5.06	1.58	5.76	3.09

HEC-RAS Plan: Plan 02 (Continued)

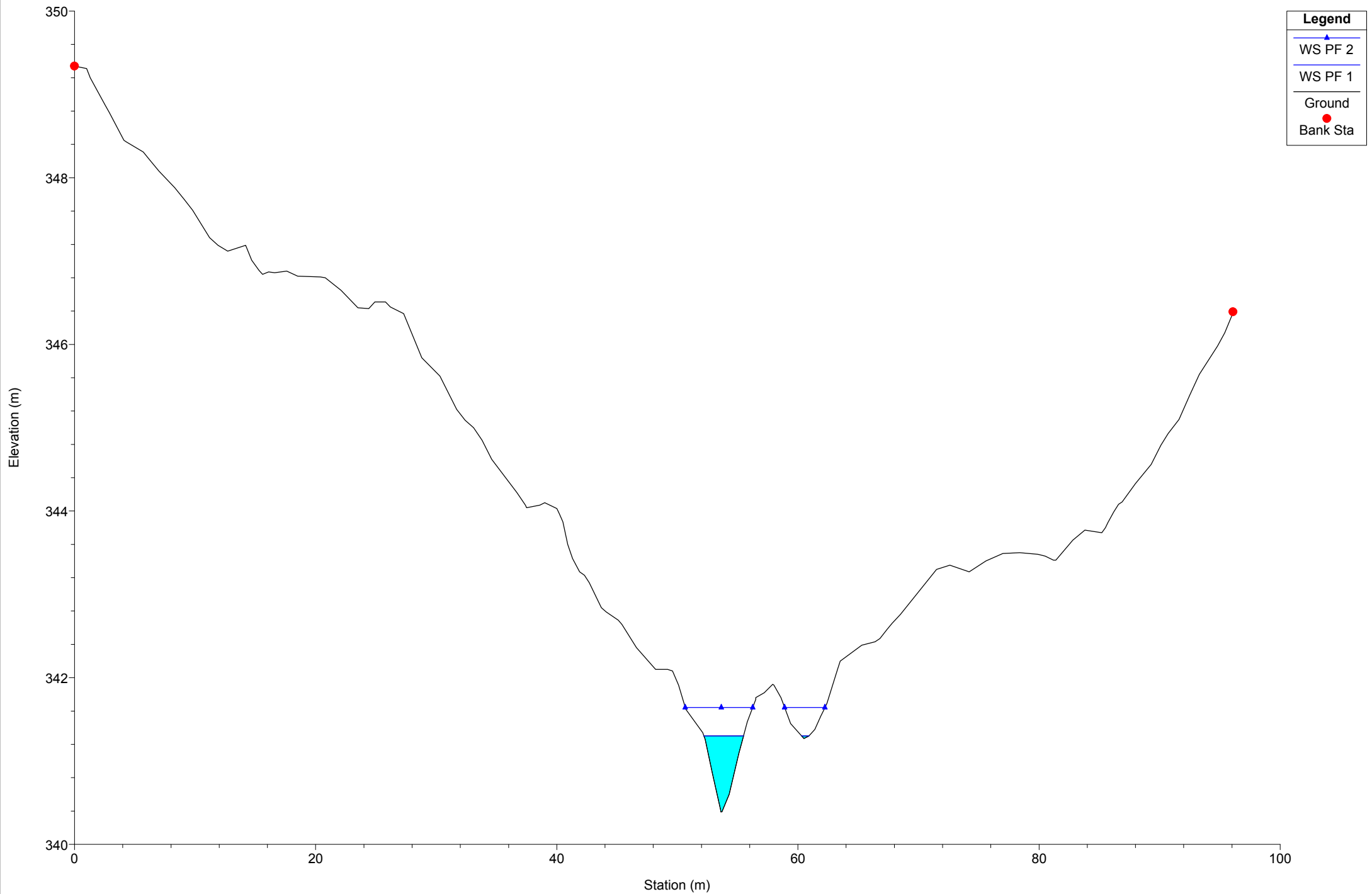
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Lower123	850	PF 1	3.32	266.26	267.00	267.01	267.21	0.016216	2.03	1.64	3.97	1.01
River 1	Reach 1-Lower123	850	PF 2	8.70	266.26	267.30	267.30	267.43	0.017273	1.60	5.45	21.12	1.00
River 1	Reach 1-Lower123	811	PF 1	3.32	264.29	264.71	264.98	265.74	0.138390	4.51	0.74	2.75	2.78
River 1	Reach 1-Lower123	811	PF 2	8.70	264.29	265.05	265.44	266.13	0.071319	4.59	1.89	4.09	2.16
River 1	Reach 1-Lower123	786	PF 1	3.32	263.13	263.76	263.84	264.07	0.031137	2.44	1.36	4.19	1.37
River 1	Reach 1-Lower123	786	PF 2	8.70	263.13	264.02	264.21	264.55	0.044994	3.22	2.71	7.34	1.69
River 1	Reach 1-Lower12	747	PF 1	3.52	260.96	261.26	261.57	262.99	0.321692	5.83	0.60	2.96	4.12
River 1	Reach 1-Lower12	747	PF 2	9.83	260.96	261.54	261.98	263.42	0.157410	6.07	1.62	4.30	3.16
River 1	Reach 1-Lower12	711	PF 1	3.52	259.82	260.30	260.33	260.52	0.022502	2.10	1.68	5.15	1.18
River 1	Reach 1-Lower12	711	PF 2	9.83	259.82	260.56	260.70	261.05	0.027271	3.10	3.17	6.17	1.38
River 1	Reach 1-Lower12	689	PF 1	3.52	259.29	260.04	259.96	260.17	0.009465	1.62	2.18	5.04	0.79
River 1	Reach 1-Lower12	689	PF 2	9.83	259.29	260.42	260.35	260.54	0.009108	1.51	6.49	16.66	0.77
River 1	Reach 1-Lower12	688		Bridge									
River 1	Reach 1-Lower12	676	PF 1	3.52	258.83	259.43	259.43	259.63	0.015782	1.99	1.77	4.48	1.01
River 1	Reach 1-Lower12	676	PF 2	9.83	258.83	259.93	259.93	260.09	0.017295	1.75	5.60	18.79	1.03
River 1	Reach 1-Lower1	638	PF 1	3.76	257.78	258.36	258.59	259.08	0.077260	3.77	1.00	3.11	2.13
River 1	Reach 1-Lower1	638	PF 2	11.20	257.78	258.69	258.93	259.61	0.129106	4.24	2.64	10.56	2.70
River 1	Reach 1-Lower1	625		Bridge									
River 1	Reach 1-Lower1	616	PF 1	3.76	257.61	258.04	258.04	258.12	0.019227	1.22	3.08	19.59	0.98
River 1	Reach 1-Lower1	616	PF 2	11.20	257.61	258.20	258.20	258.35	0.016734	1.73	6.48	22.04	1.02
River 1	Reach 1-Lower1	585	PF 1	3.76	255.34	255.71	255.98	256.76	0.135850	4.54	0.83	3.01	2.77
River 1	Reach 1-Lower1	585	PF 2	11.20	255.34	256.13	256.63	257.34	0.063518	4.88	2.29	3.97	2.05
River 1	Reach 1-Lower1	580		Bridge									
River 1	Reach 1-Lower1	567	PF 1	3.76	254.59	255.63	255.63	255.86	0.016831	2.14	1.76	3.80	1.00
River 1	Reach 1-Lower1	567	PF 2	11.20	254.59	256.29	256.30	256.48	0.017600	1.95	5.74	15.99	1.04
River 1	Reach 1-Lower	544	PF 1	3.87	253.98	254.51	254.80	255.49	0.098271	4.39	0.88	2.50	2.36

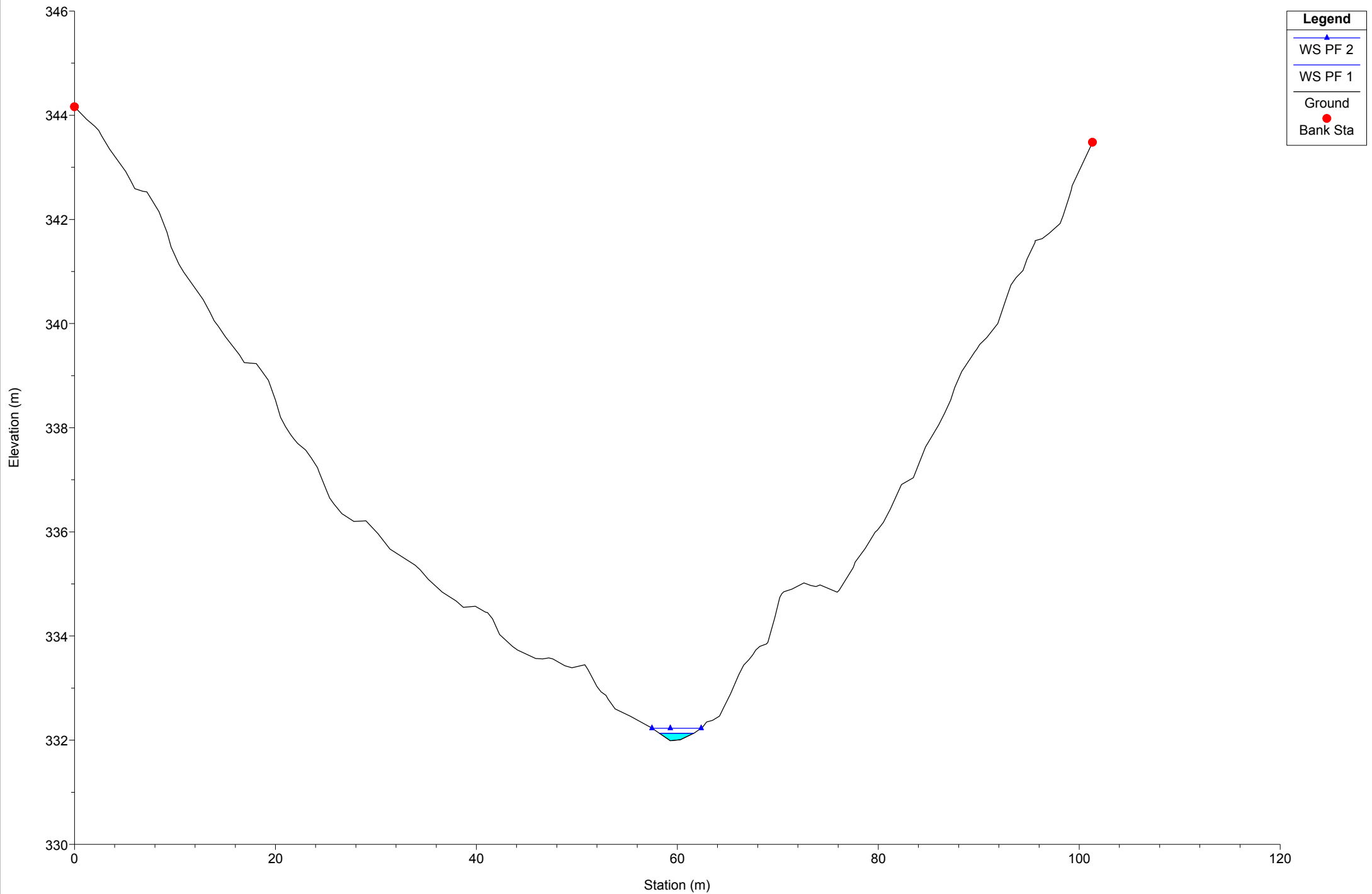
HEC-RAS Plan: Plan 02 (Continued)

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
River 1	Reach 1-Lower	544	PF 2	11.83	253.98	255.00	255.49	256.13	0.056215	4.70	2.52	4.13	1.92
River 1	Reach 1-Lower	515	PF 1	3.87	253.49	254.17	254.17	254.40	0.015735	2.14	1.81	3.93	1.01
River 1	Reach 1-Lower	515	PF 2	11.83	253.49	254.79	254.80	254.95	0.019524	1.72	6.88	25.89	1.07
River 1	Reach 1-Lower	474	PF 1	3.87	251.02	251.47	251.79	252.80	0.163794	5.10	0.76	2.64	3.04
River 1	Reach 1-Lower	474	PF 2	11.83	251.02	251.90	252.32	253.37	0.082471	5.38	2.20	4.11	2.35
River 1	Reach 1-Lower	470		Bridge									
River 1	Reach 1-Lower	439	PF 1	3.87	250.44	251.09	251.09	251.31	0.015662	2.08	1.86	4.26	1.01
River 1	Reach 1-Lower	439	PF 2	11.83	250.44	251.58	251.59	251.95	0.013618	2.70	4.38	5.98	1.01
River 1	Reach 1-Lower	411	PF 1	3.87	250.01	250.55	250.58	250.81	0.020120	2.26	1.72	4.28	1.14
River 1	Reach 1-Lower	411	PF 2	11.83	250.01	250.95	251.07	251.46	0.021789	3.16	3.75	5.89	1.26
River 1	Reach 1-Lower	381	PF 1	3.87	249.34	250.03	250.05	250.27	0.018014	2.16	1.79	4.29	1.07
River 1	Reach 1-Lower	381	PF 2	11.83	249.34	250.58	250.60	250.88	0.016189	2.44	4.85	8.96	1.06
River 1	Reach 1-Lower	341	PF 1	3.87	248.86	249.70	249.57	249.73	0.003734	0.77	5.06	18.73	0.47
River 1	Reach 1-Lower	341	PF 2	11.83	248.86	249.95	249.77	250.01	0.004646	1.13	10.50	25.72	0.56
River 1	Reach 1-Lower	335		Bridge									
River 1	Reach 1-Lower	311	PF 1	3.87	247.78	248.94	248.71	248.96	0.001731	0.63	6.15	16.99	0.33
River 1	Reach 1-Lower	311	PF 2	11.83	247.78	249.25	248.94	249.30	0.002248	0.98	12.13	21.18	0.41
River 1	Reach 1-Lower	305		Bridge									
River 1	Reach 1-Lower	268	PF 1	3.87	247.04	247.80	247.80	247.90	0.019980	1.41	2.75	14.45	1.03
River 1	Reach 1-Lower	268	PF 2	11.83	247.04	247.93	248.00	248.19	0.045884	2.25	5.25	25.48	1.58
River 1	Reach 1-Lower	221	PF 1	3.87	245.08	245.59	245.77	246.21	0.078526	3.50	1.11	3.94	2.11
River 1	Reach 1-Lower	221	PF 2	11.83	245.08	246.13	246.26	246.68	0.023099	3.29	3.60	5.32	1.28
River 1	Reach 1-Lower	181	PF 1	3.87	243.40	244.19	244.24	244.44	0.025024	2.22	1.75	5.04	1.20
River 1	Reach 1-Lower	181	PF 2	11.83	243.40	244.40	244.69	245.26	0.056621	4.10	2.88	6.08	1.90
River 1	Reach 1-Lower	143	PF 1	3.87	241.96	242.41	242.59	243.00	0.059358	3.38	1.14	3.36	1.85
River 1	Reach 1-Lower	143	PF 2	11.83	241.96	243.06	243.23	243.53	0.032269	3.05	3.88	8.34	1.43

HEC-RAS Plan: Plan 02 (Continued)

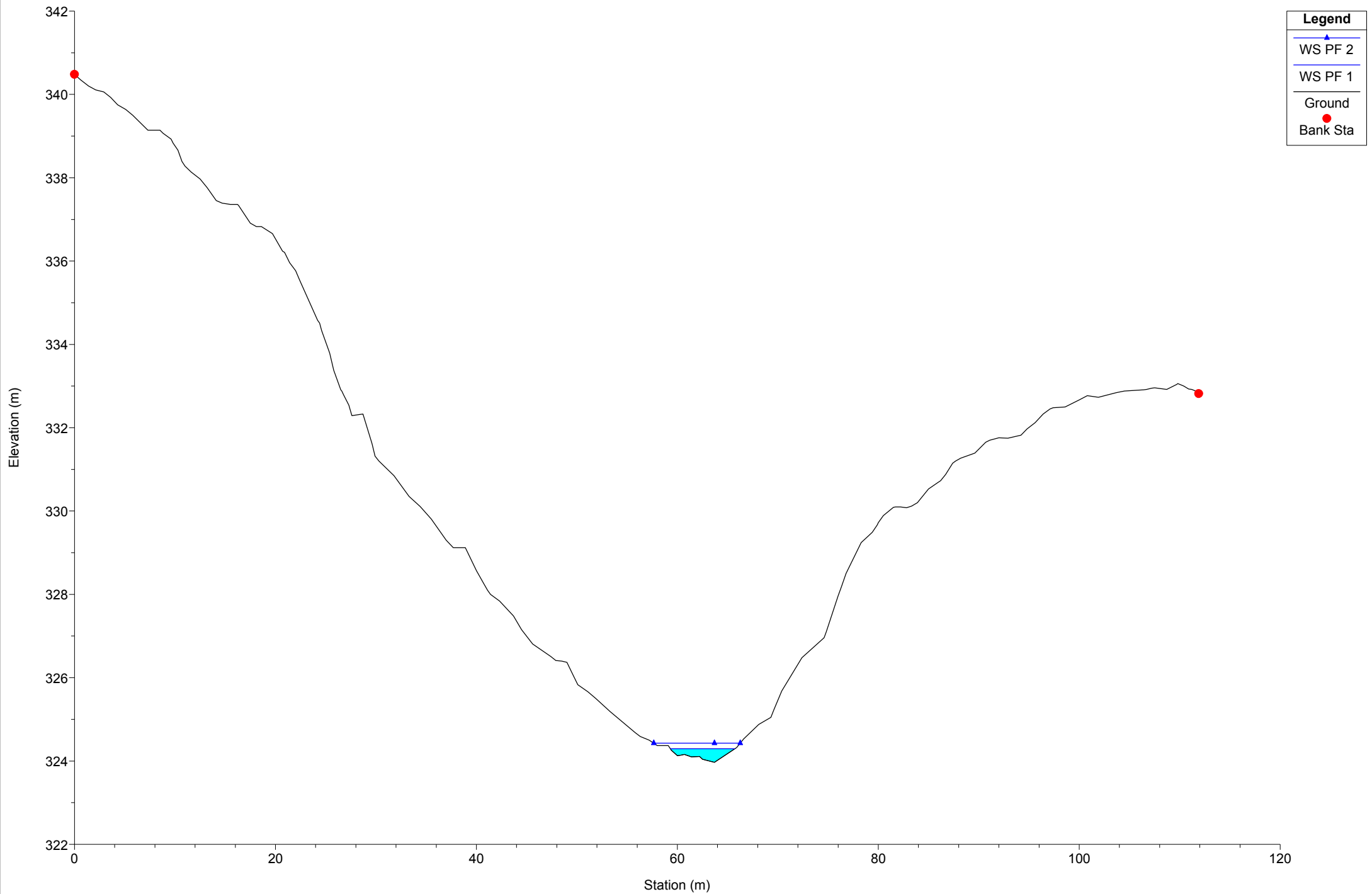
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
River 1	Reach 1-Lower	106	PF 1	3.87	241.63	241.98	241.98	242.08	0.018985	1.35	2.86	15.38	1.00
River 1	Reach 1-Lower	106	PF 2	11.83	241.63	242.13	242.19	242.39	0.027155	2.24	5.28	17.44	1.30
River 1	Reach 1-Lower	67	PF 1	3.87	238.58	239.24	239.57	240.43	0.123056	4.83	0.80	2.22	2.57
River 1	Reach 1-Lower	67	PF 2	11.83	238.58	239.88	240.43	240.95	0.045641	4.58	2.58	3.38	1.67
River 1	Reach 1-Lower	37	PF 1	3.87	237.78	239.09	238.64	239.18	0.003309	1.31	2.94	3.32	0.45
River 1	Reach 1-Lower	37	PF 2	11.83	237.78	239.17	239.64	239.86	0.024076	3.66	3.23	3.44	1.21
River 1	Reach 1-Lower	8	PF 1	3.87	238.55	238.88	238.88	238.98	0.018656	1.43	2.70	13.22	1.01
River 1	Reach 1-Lower	8	PF 2	11.83	238.55	239.12	239.12	239.30	0.015471	1.89	6.26	17.54	1.01

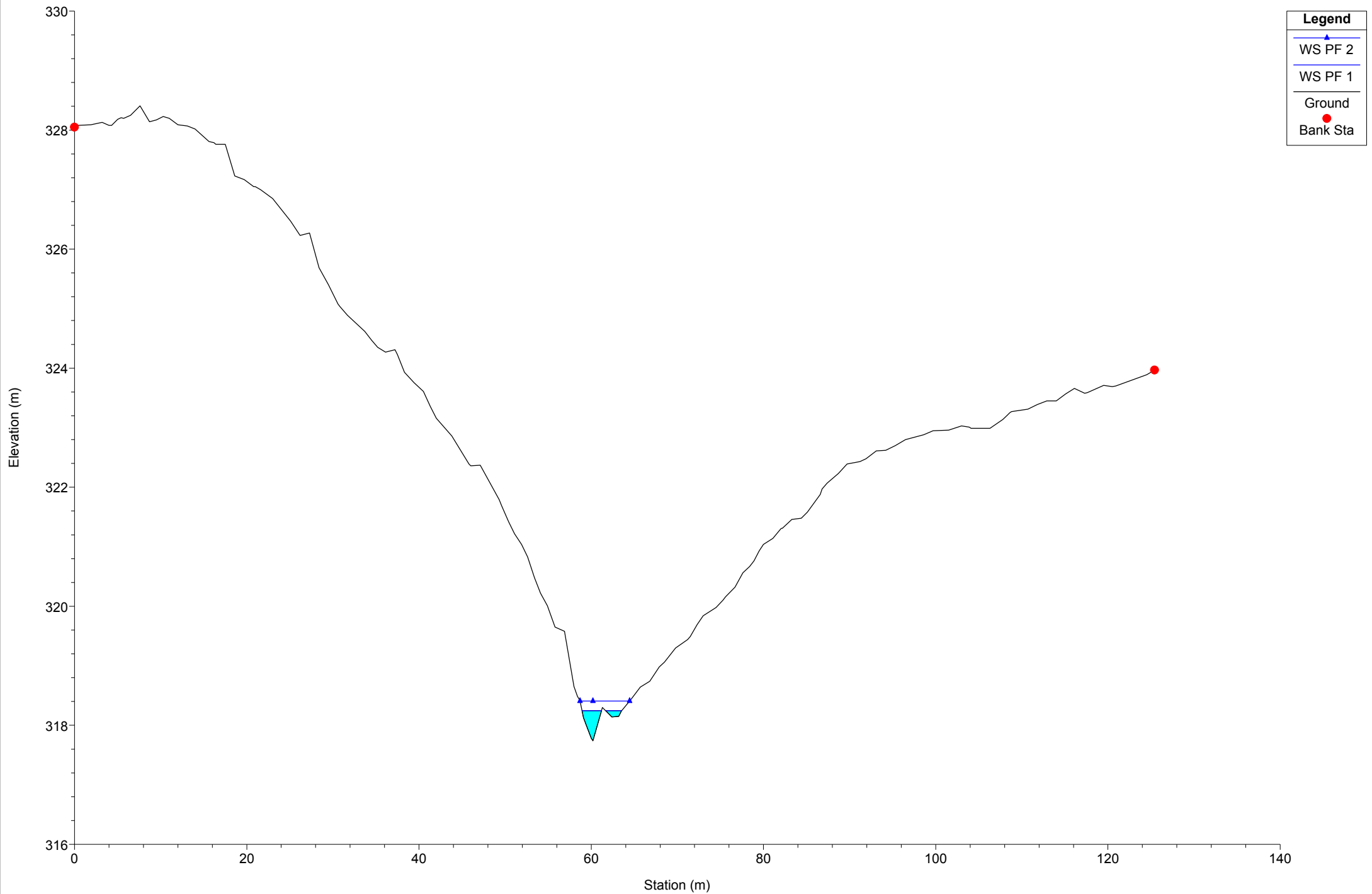


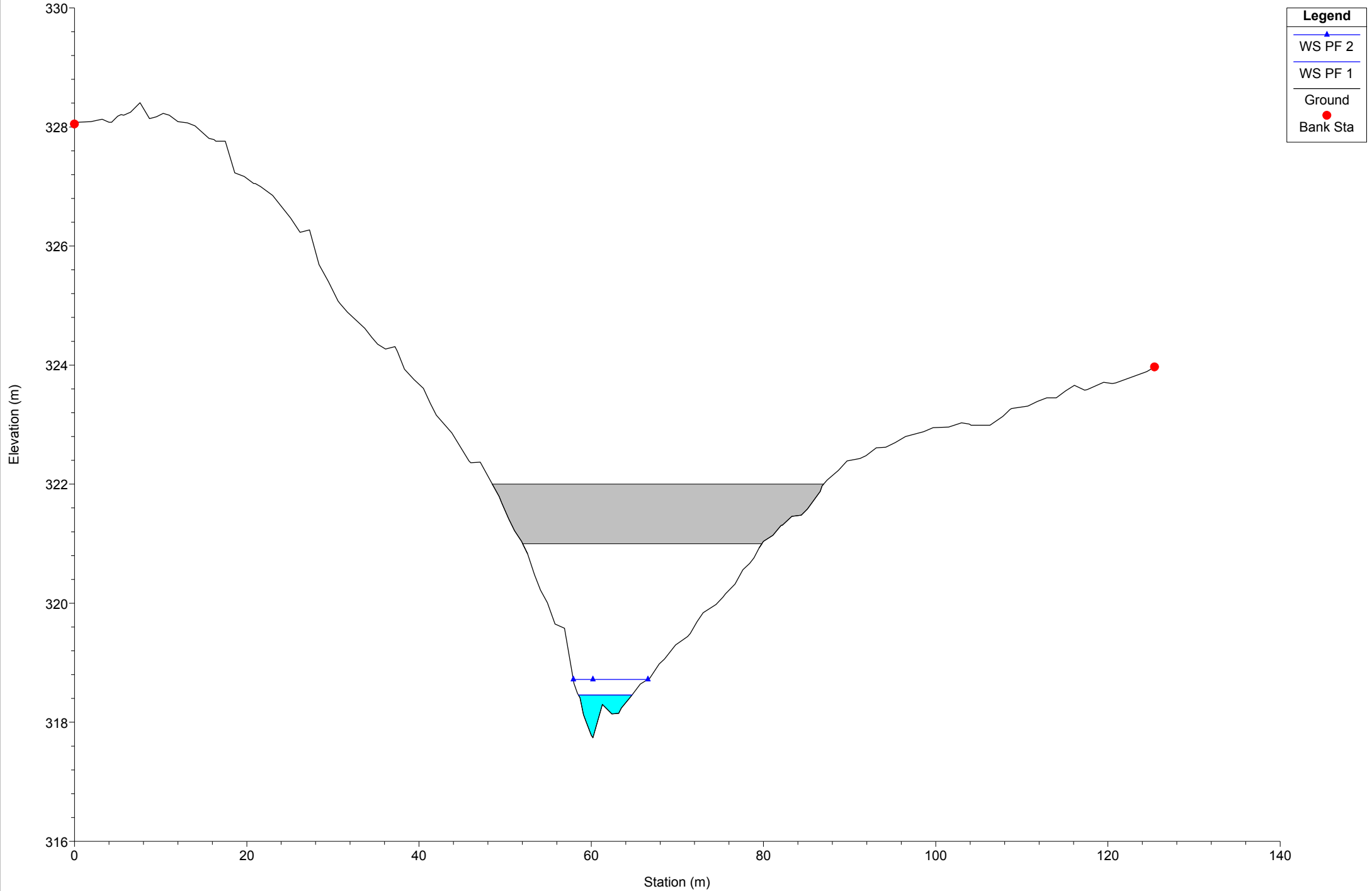


Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

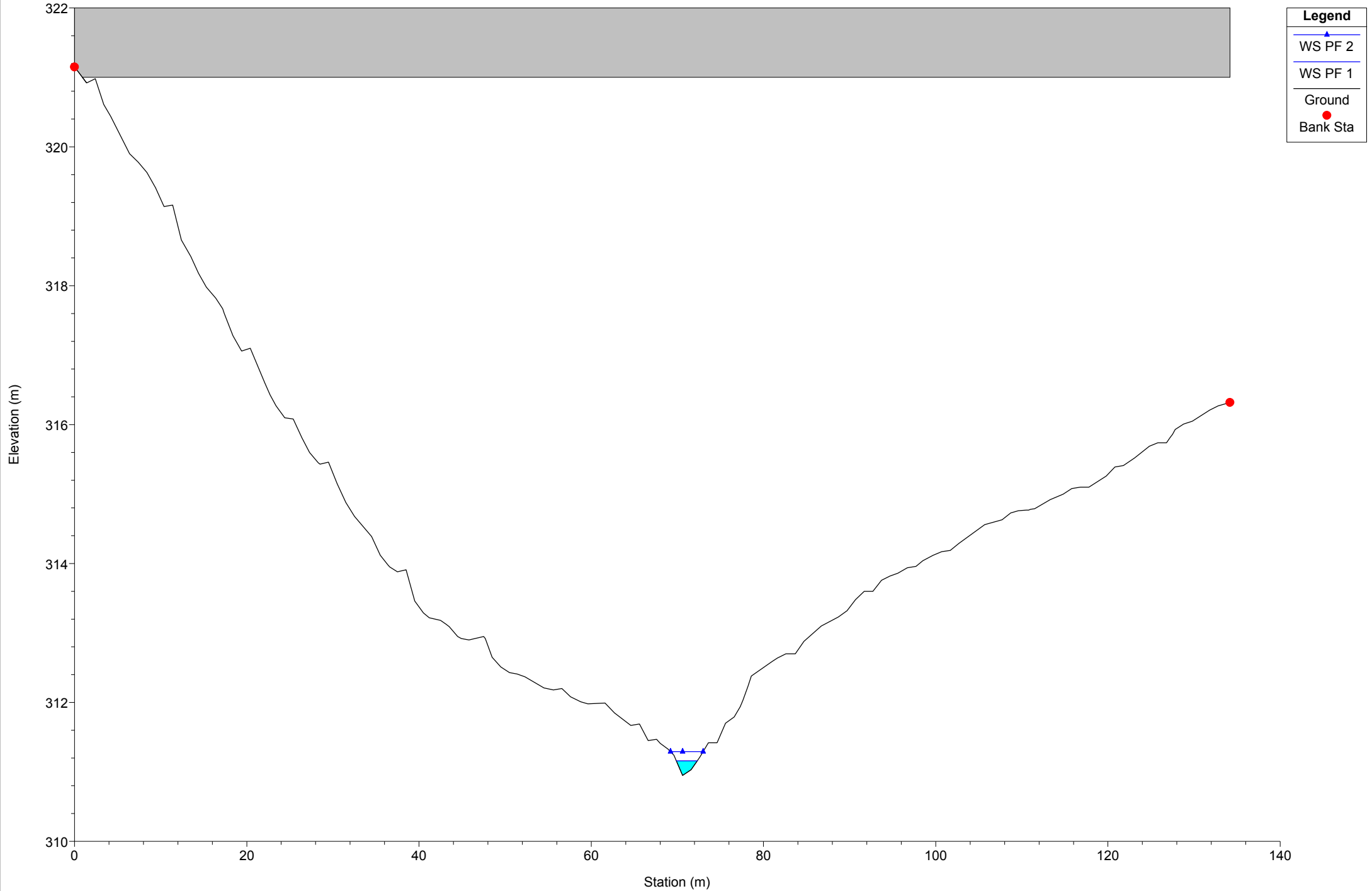


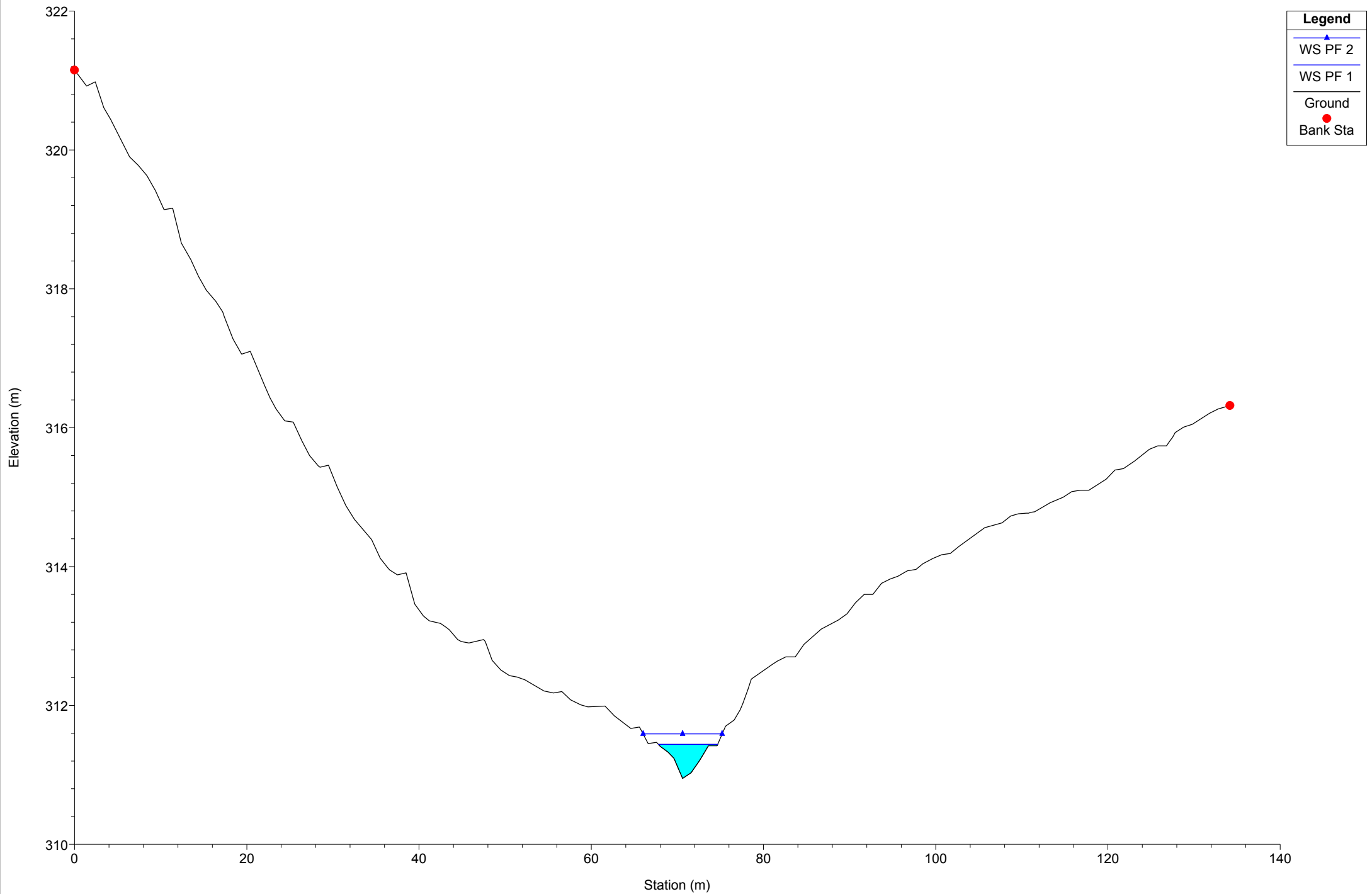


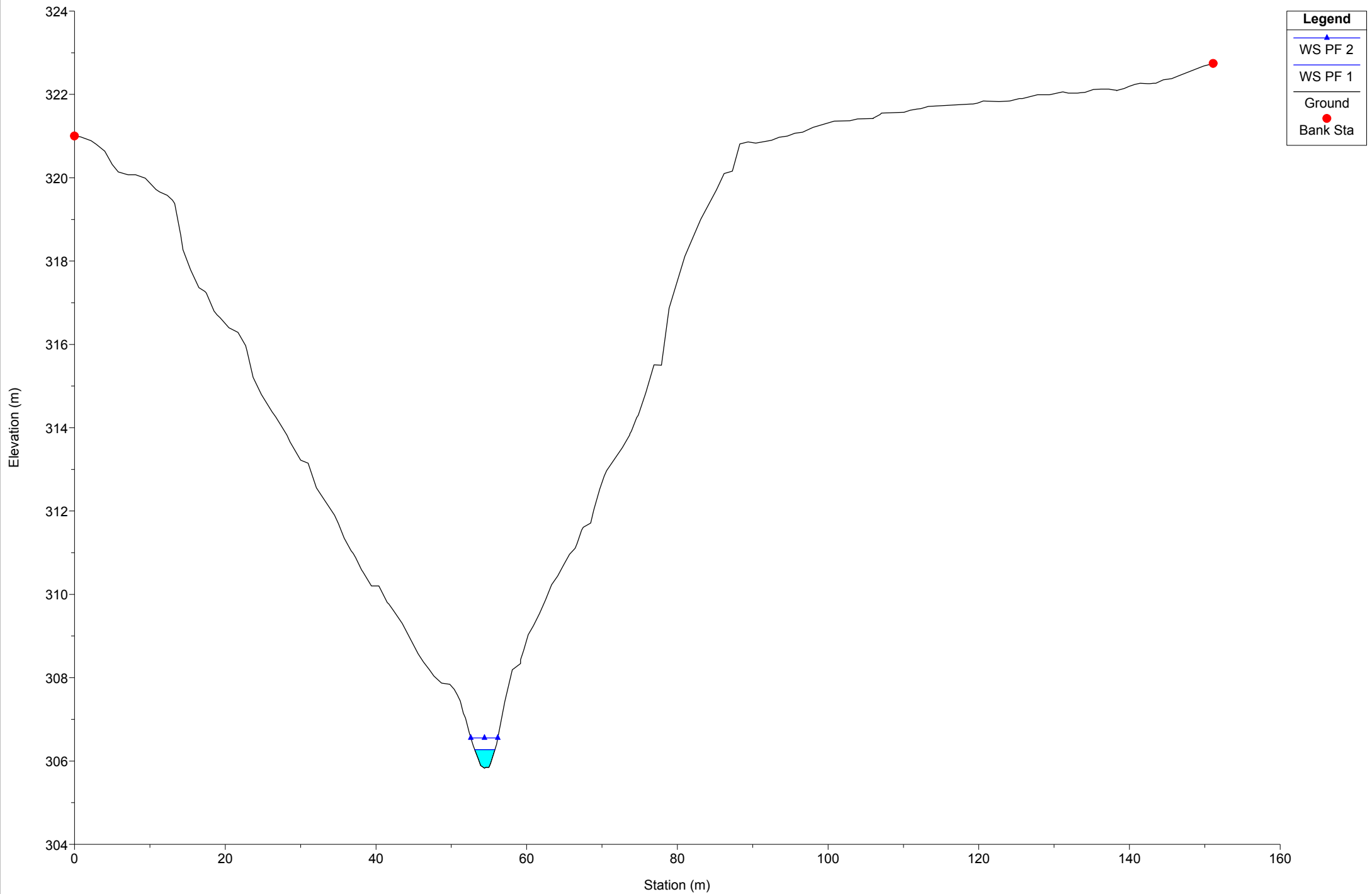


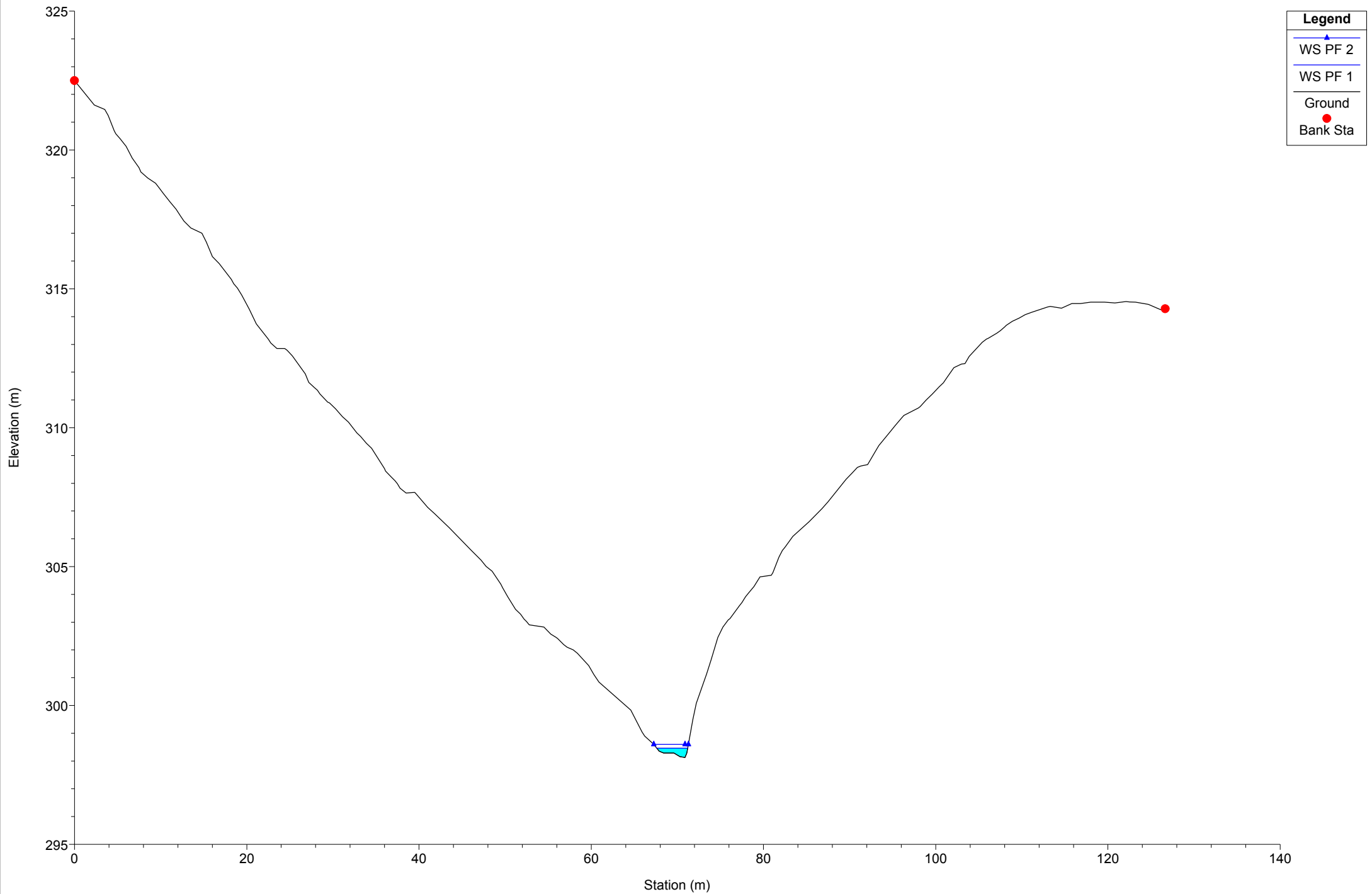
PFV_COMPAGNIA DEL SOLE Plan: Plan 02

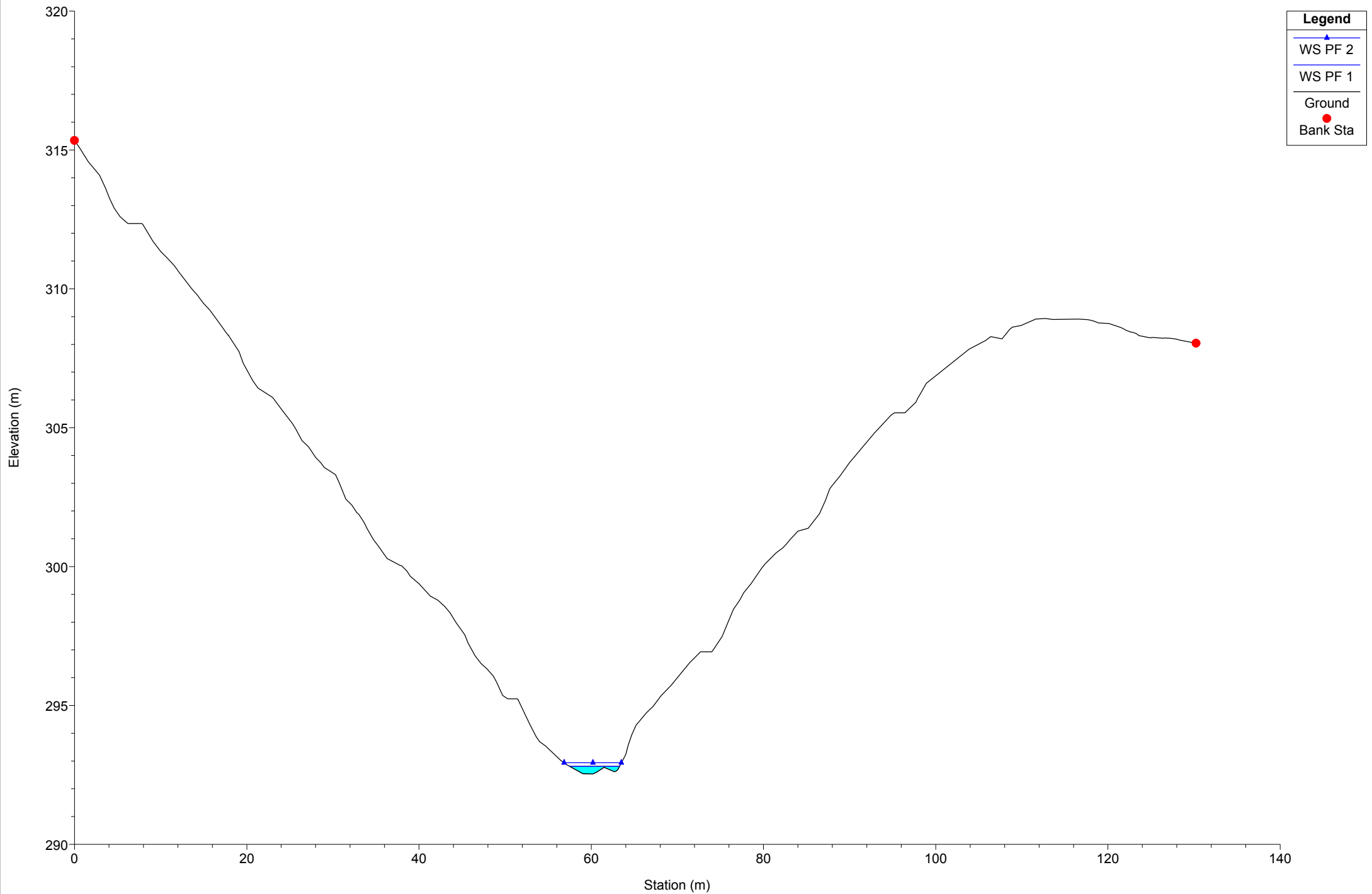
River = River 1 Reach = Reach 1 RS = 1330 BR

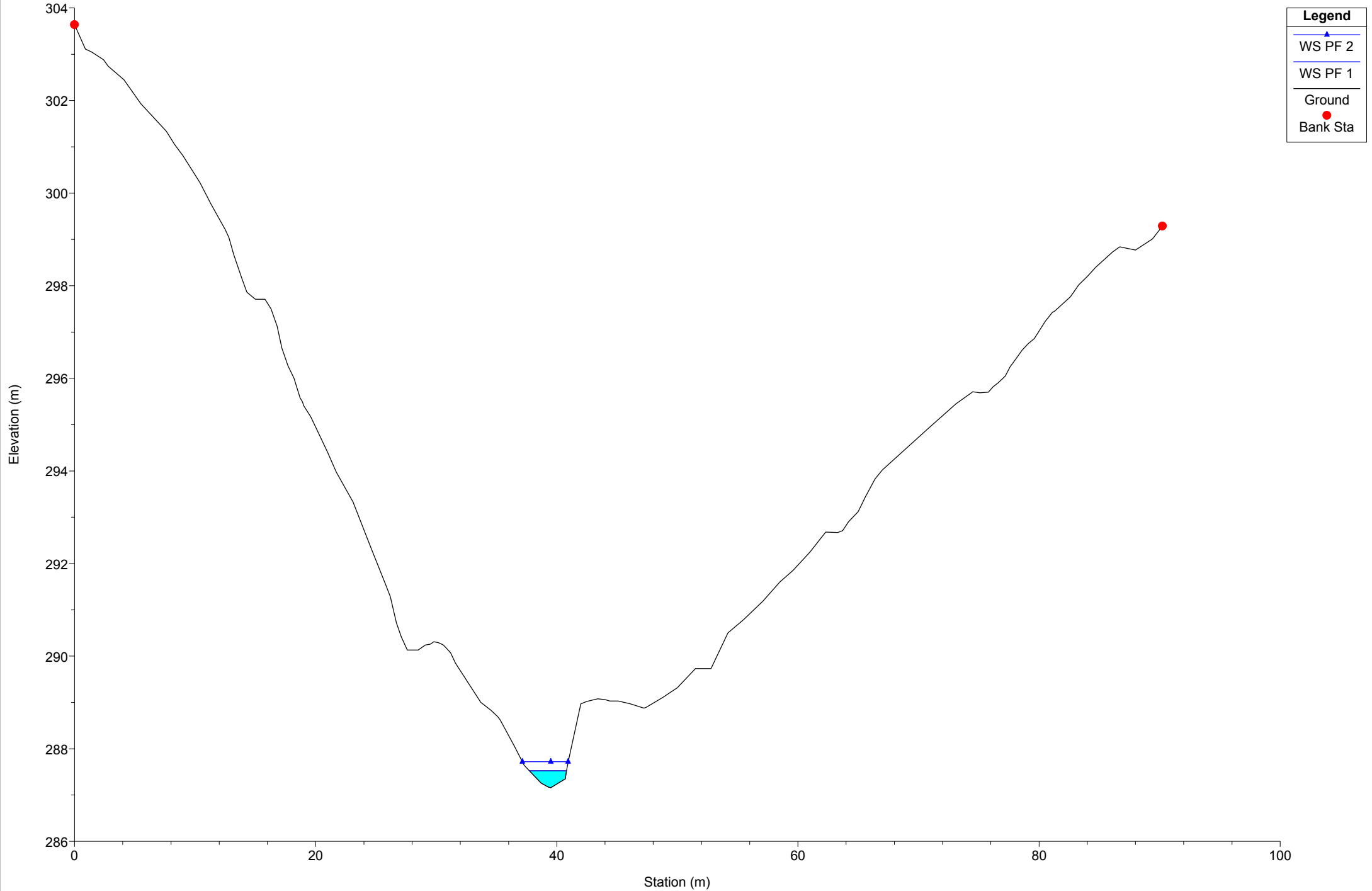






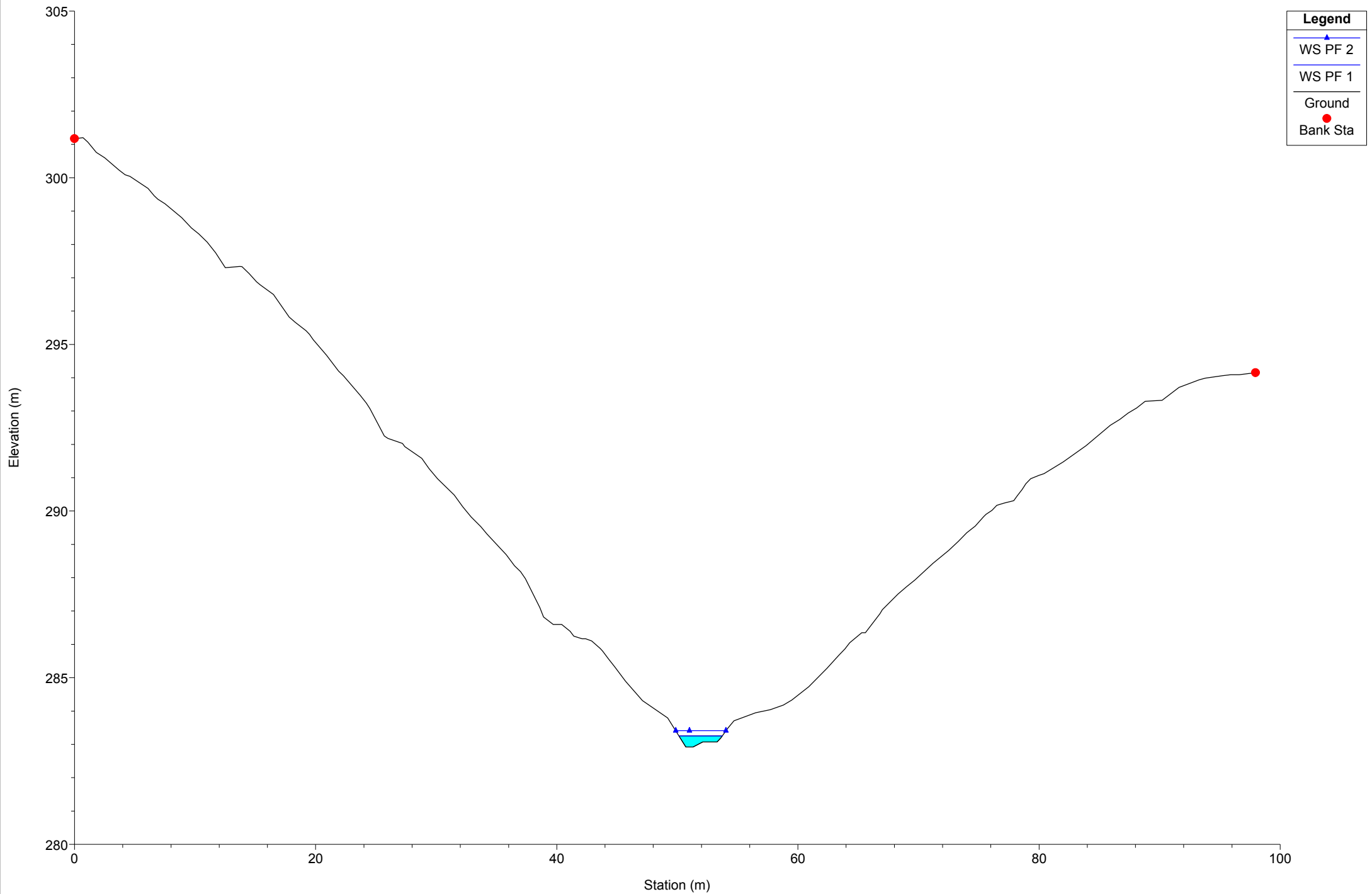


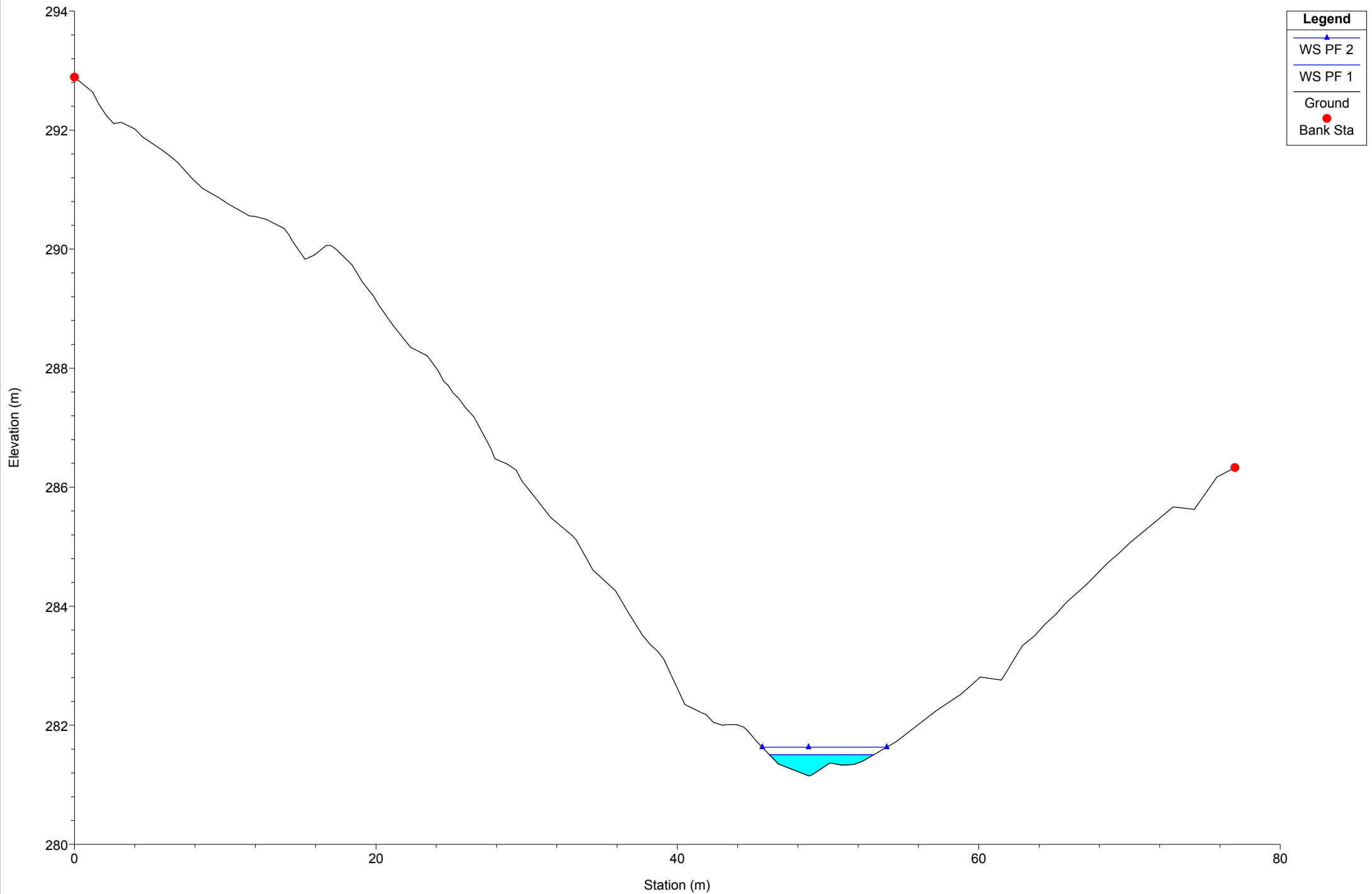


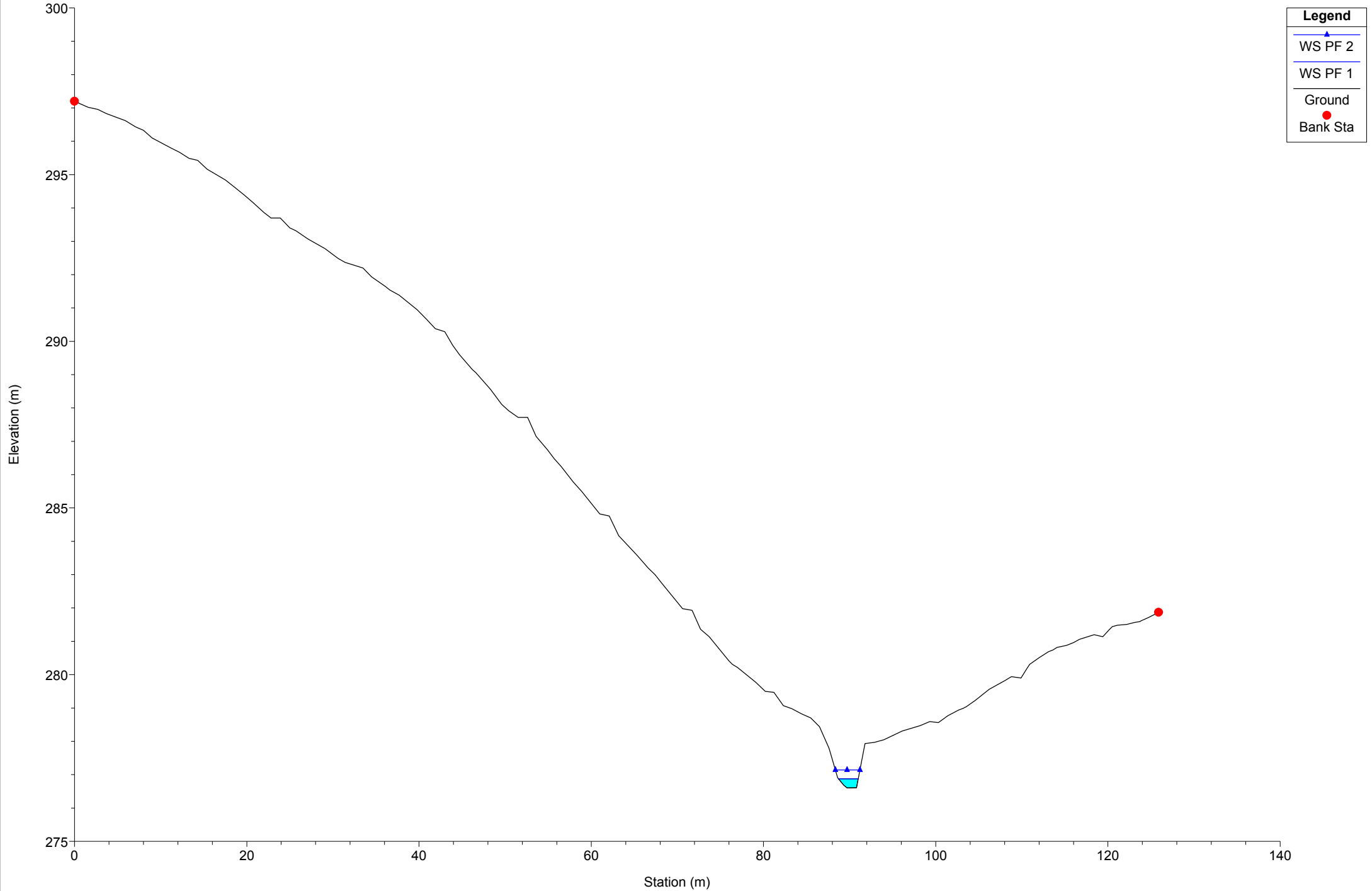


Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

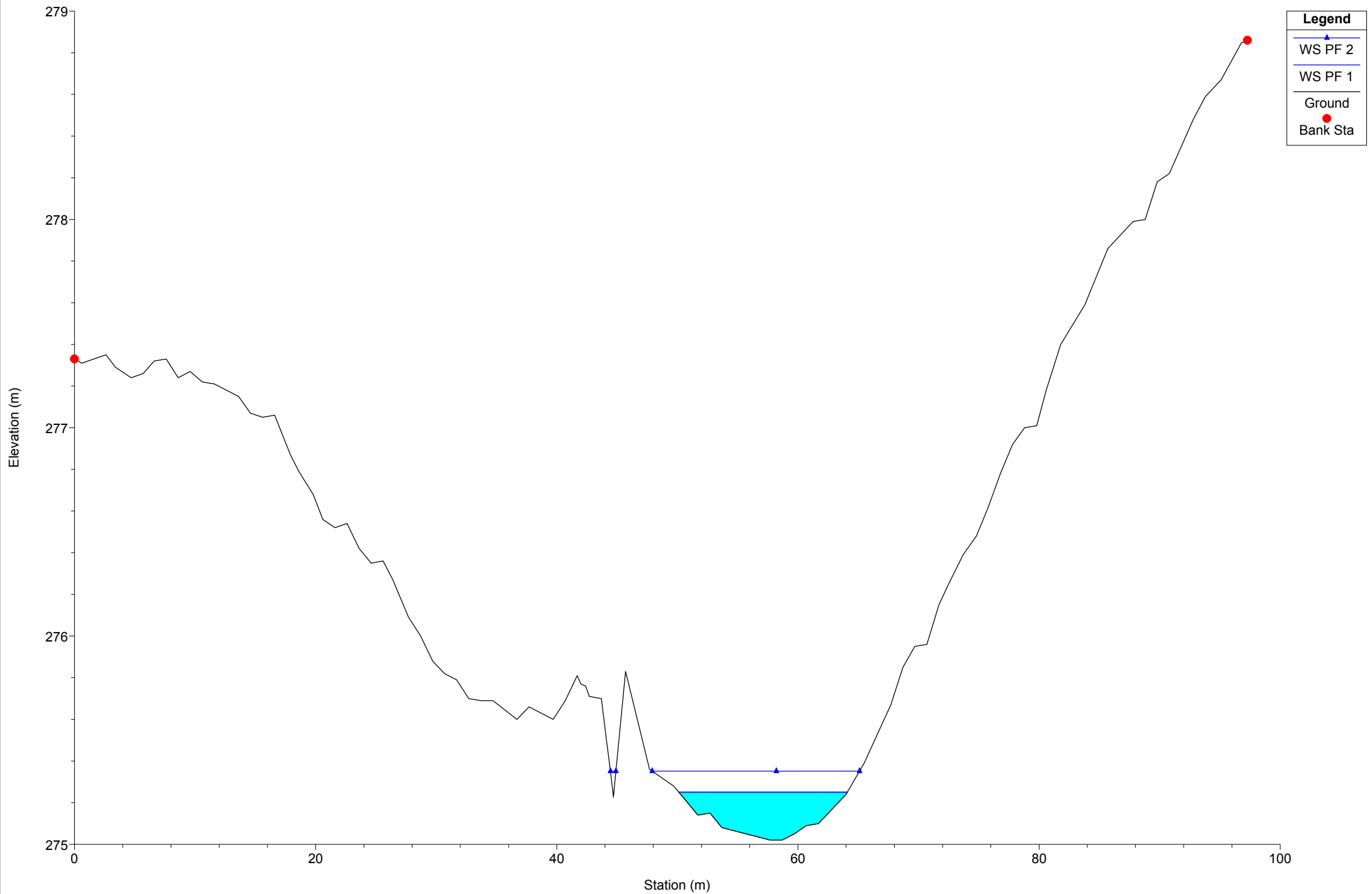


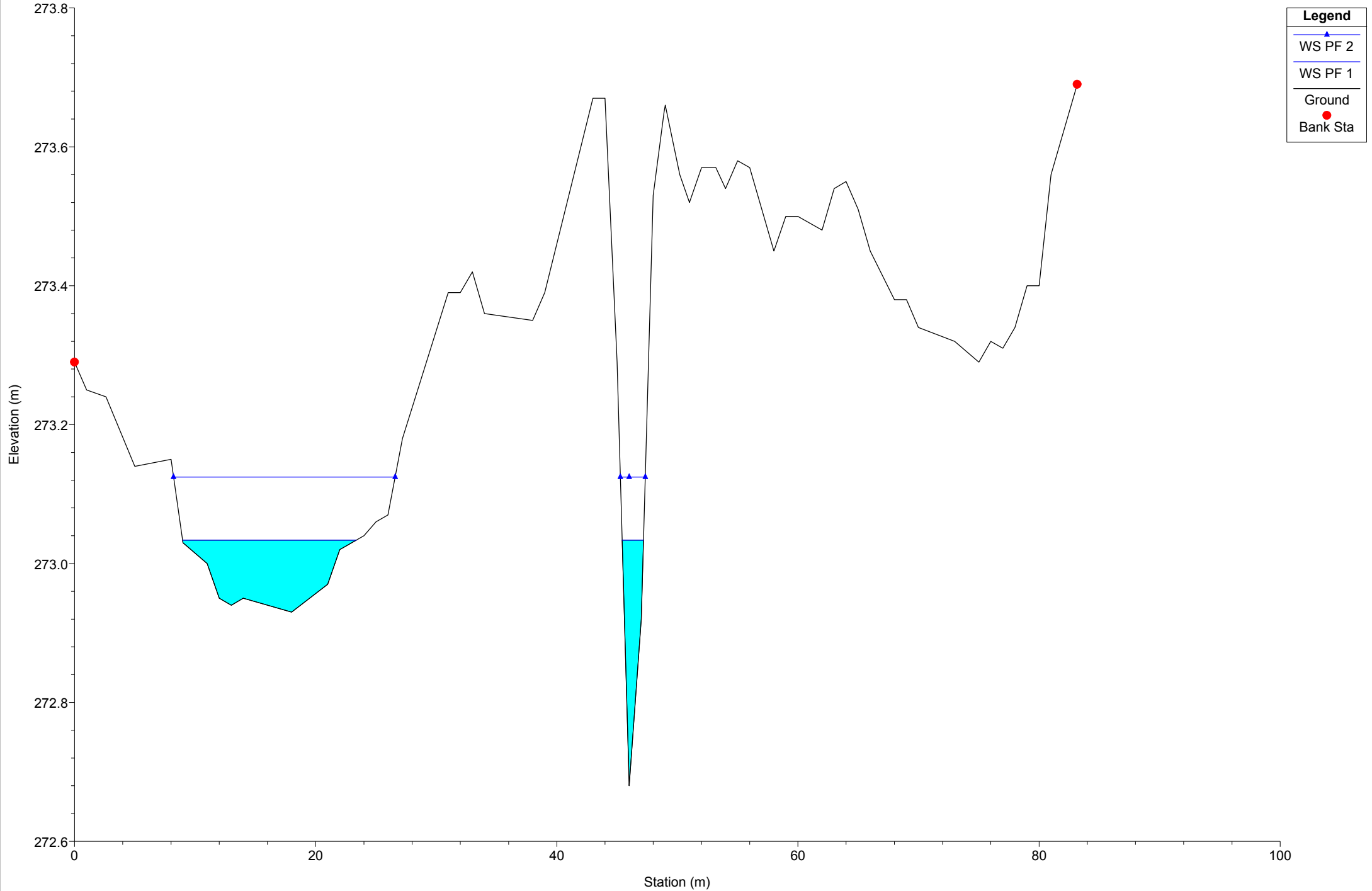


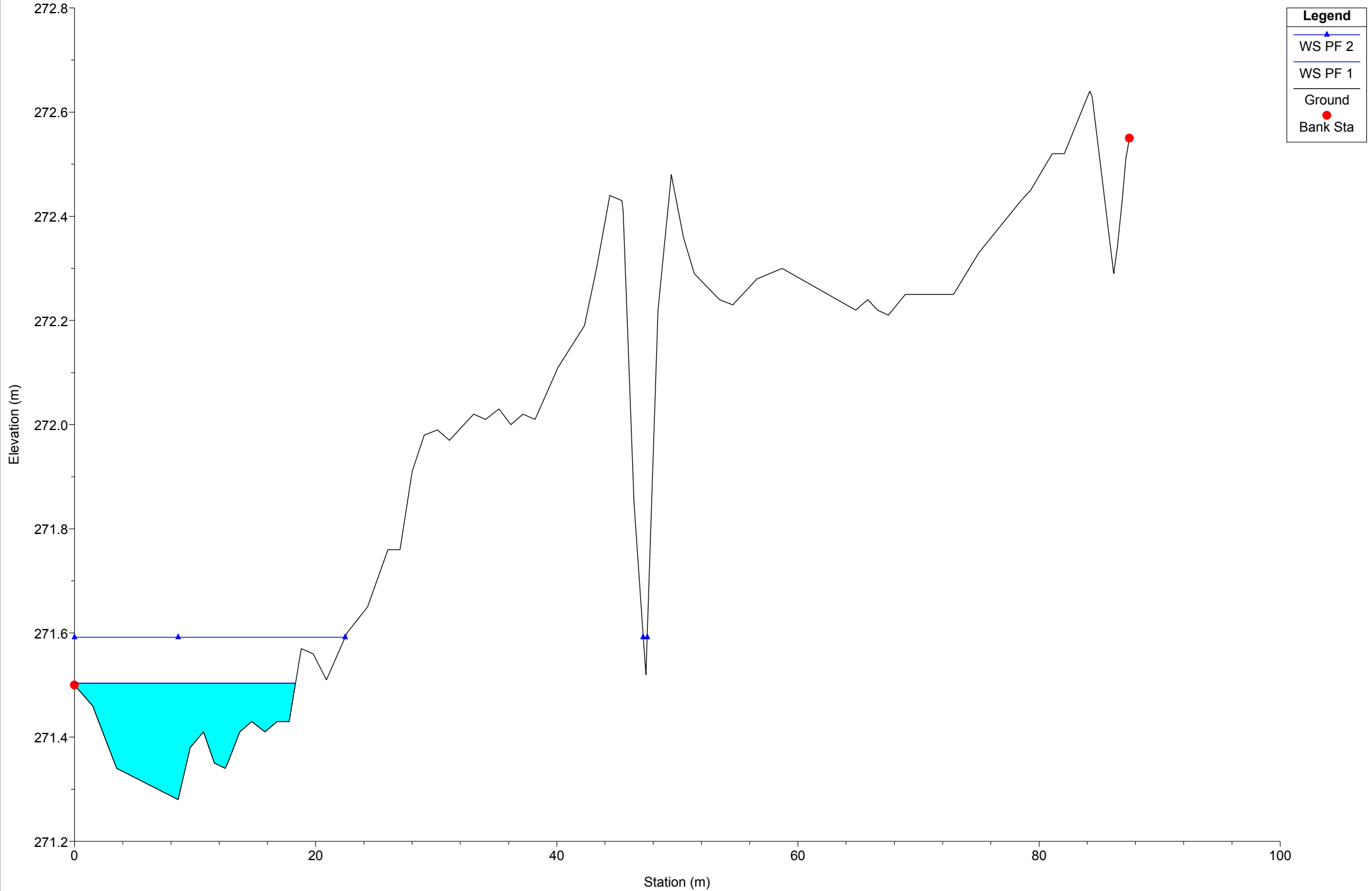


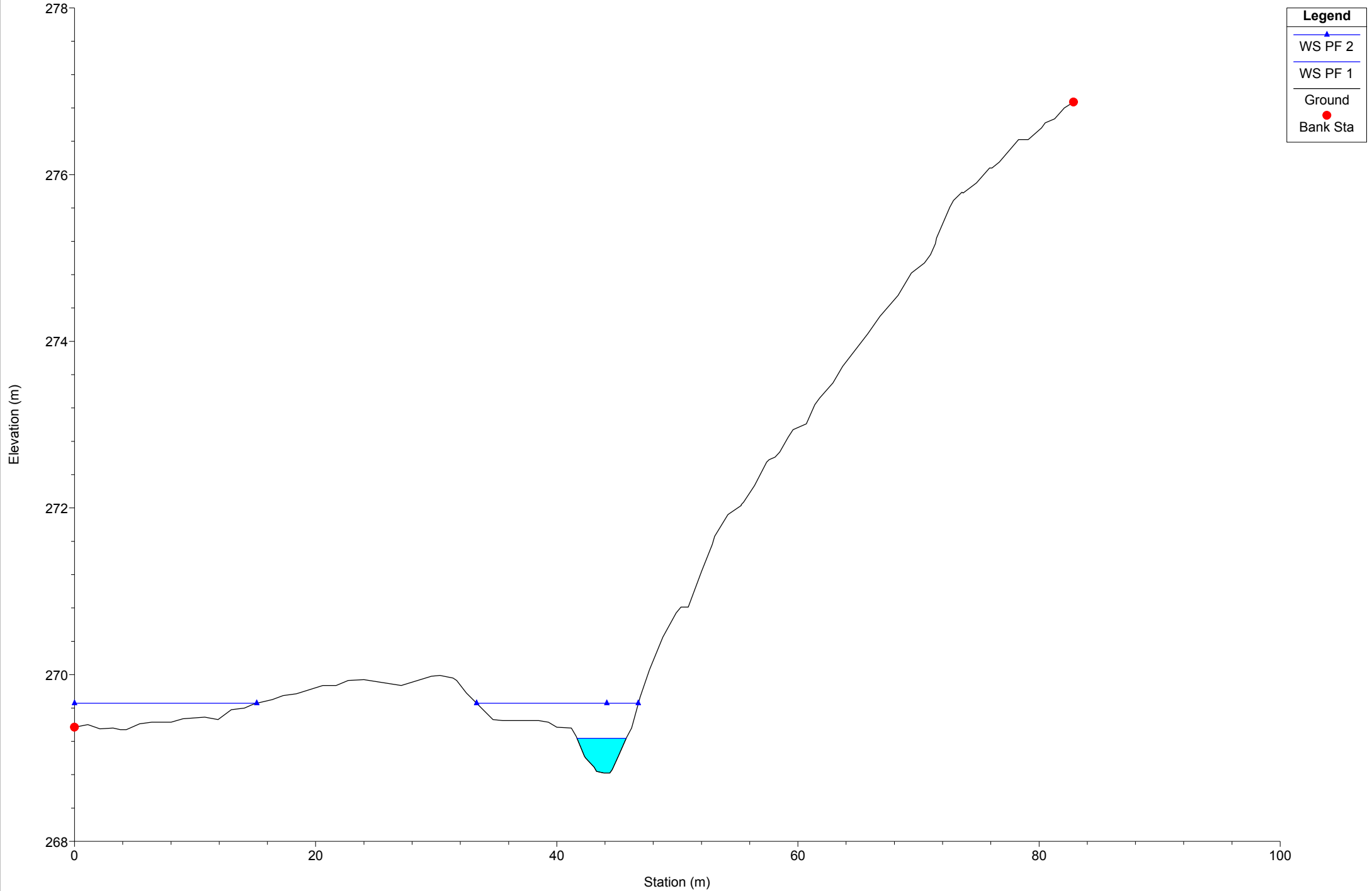
Legend

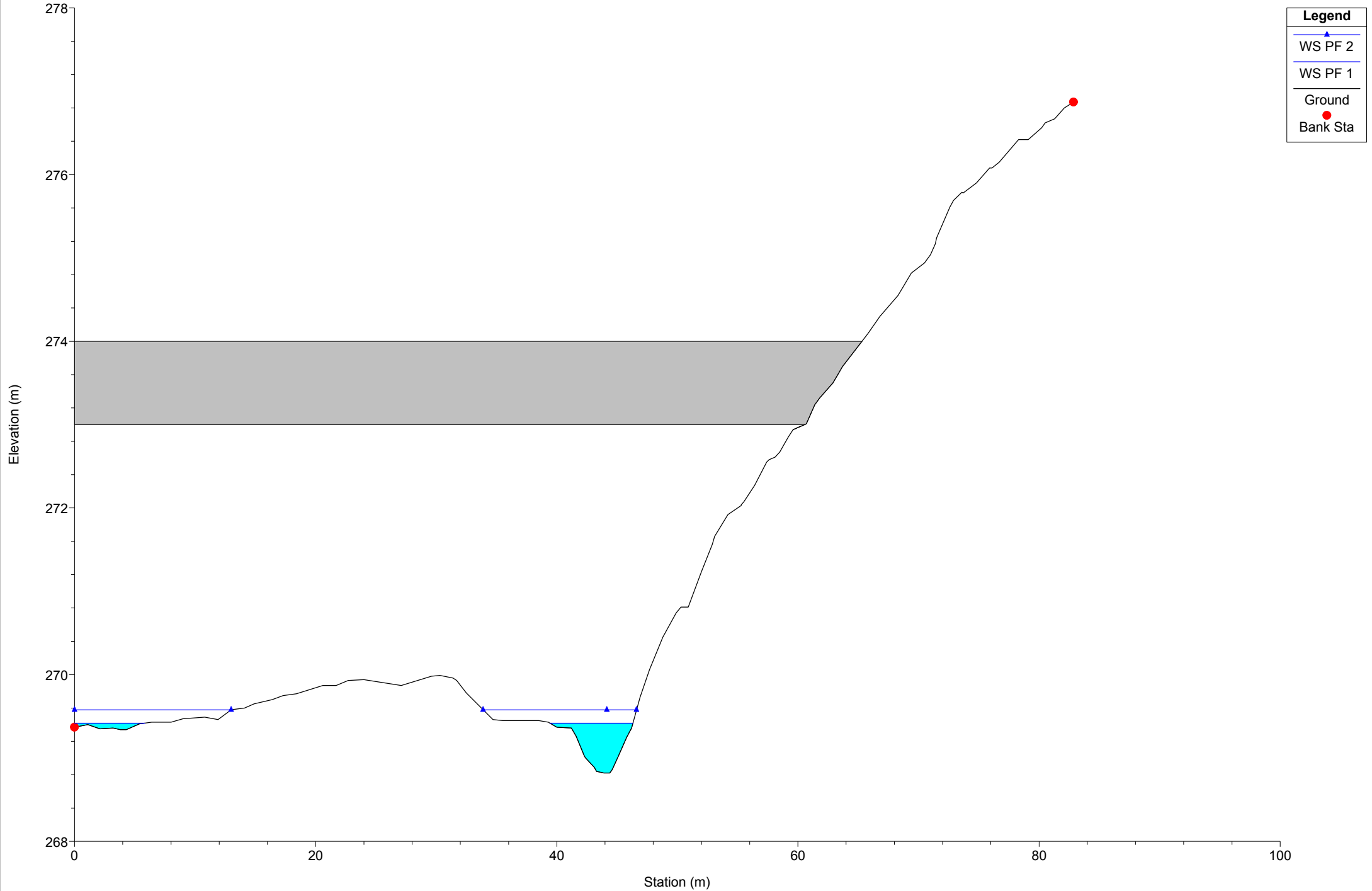
- WS PF 2
- WS PF 1
- Ground
- Bank Sta

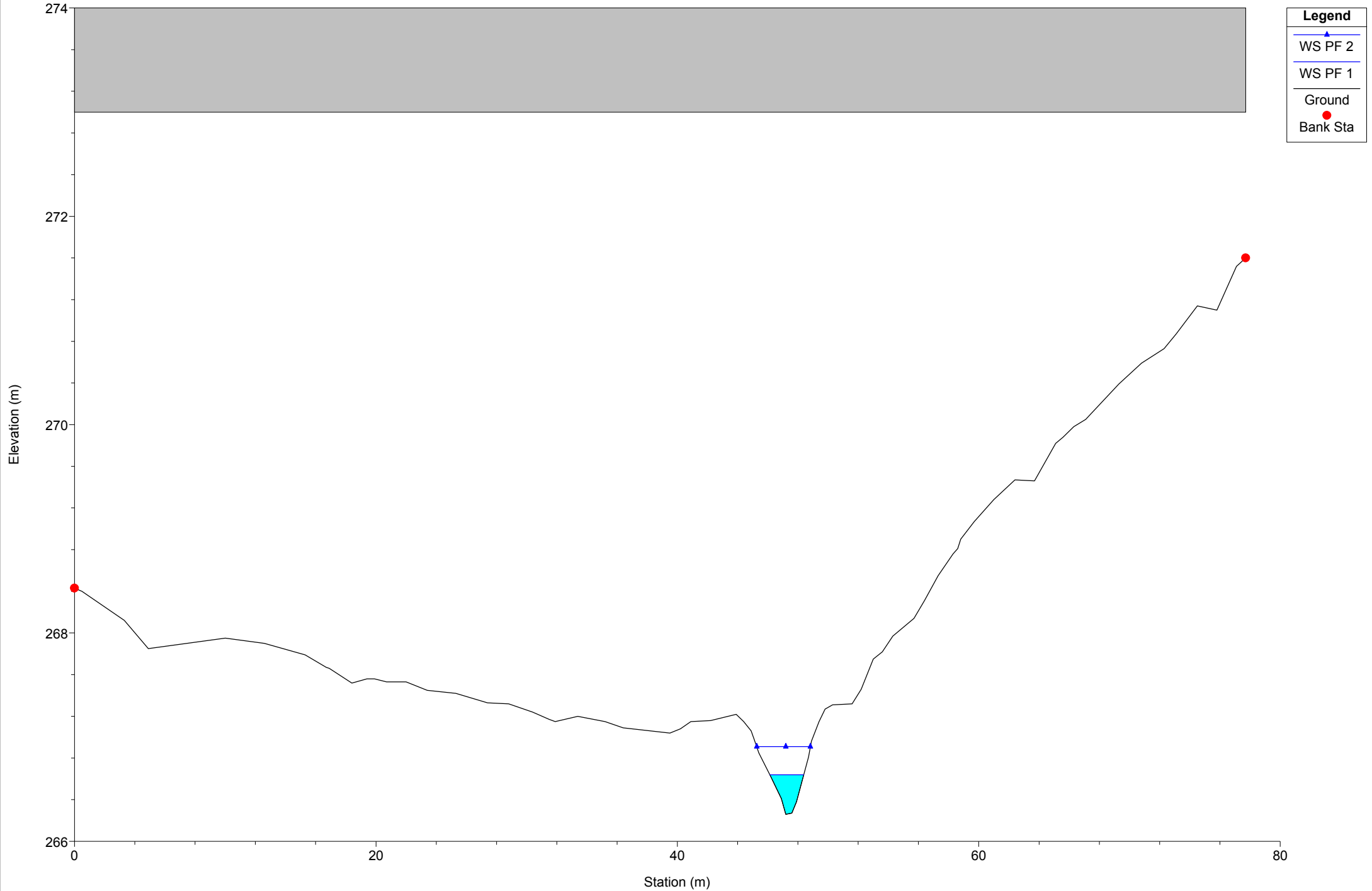


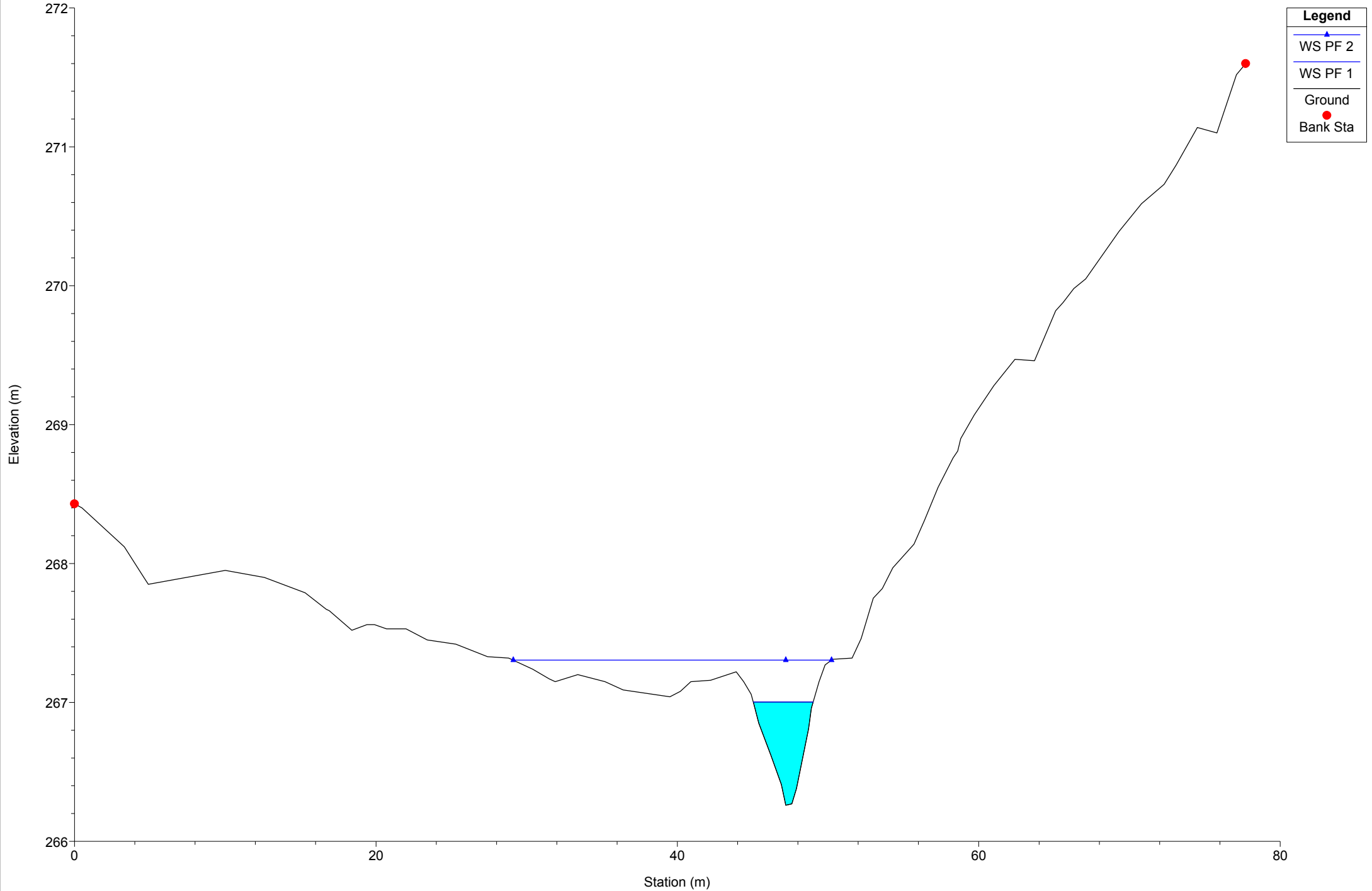


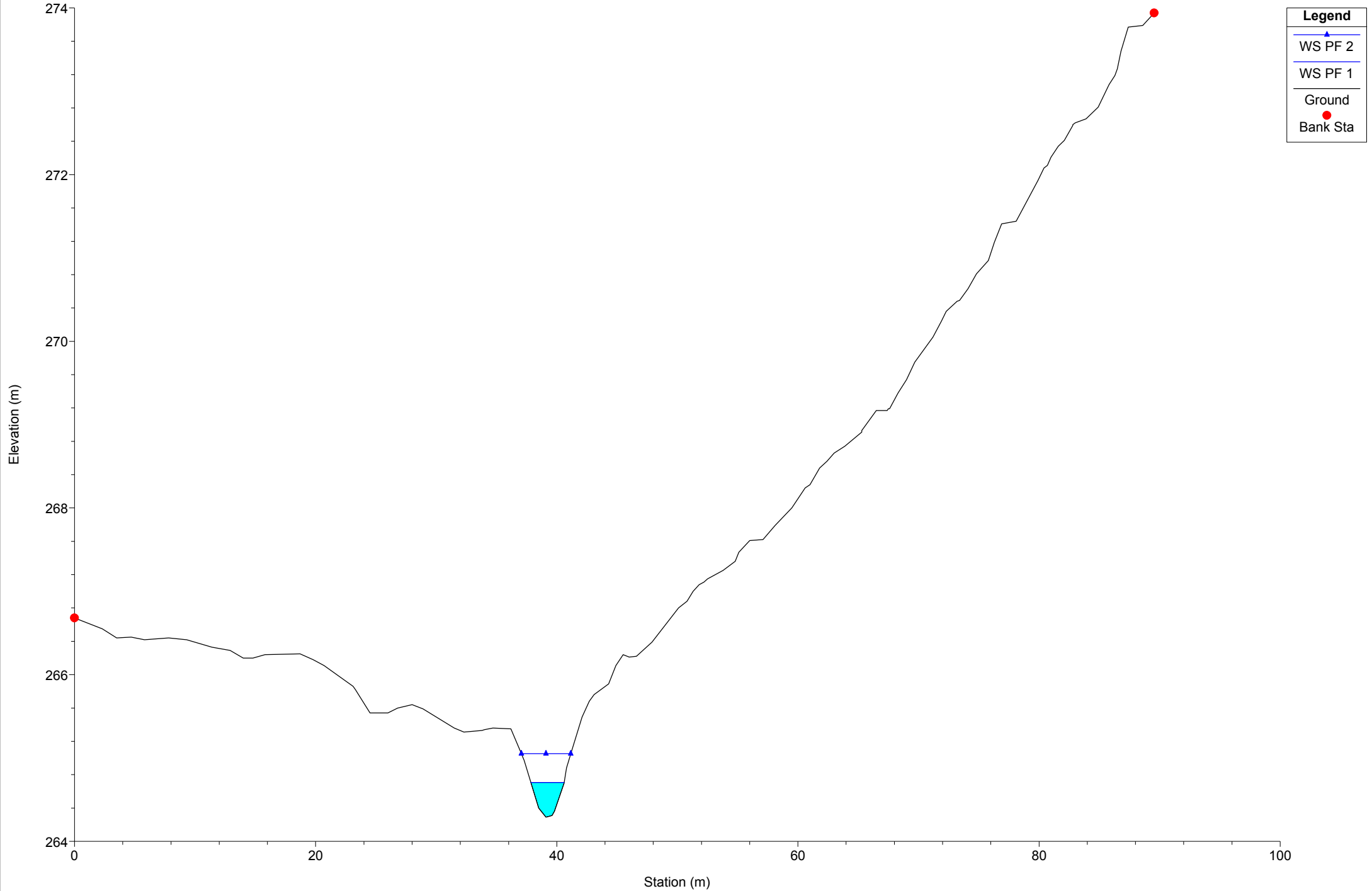


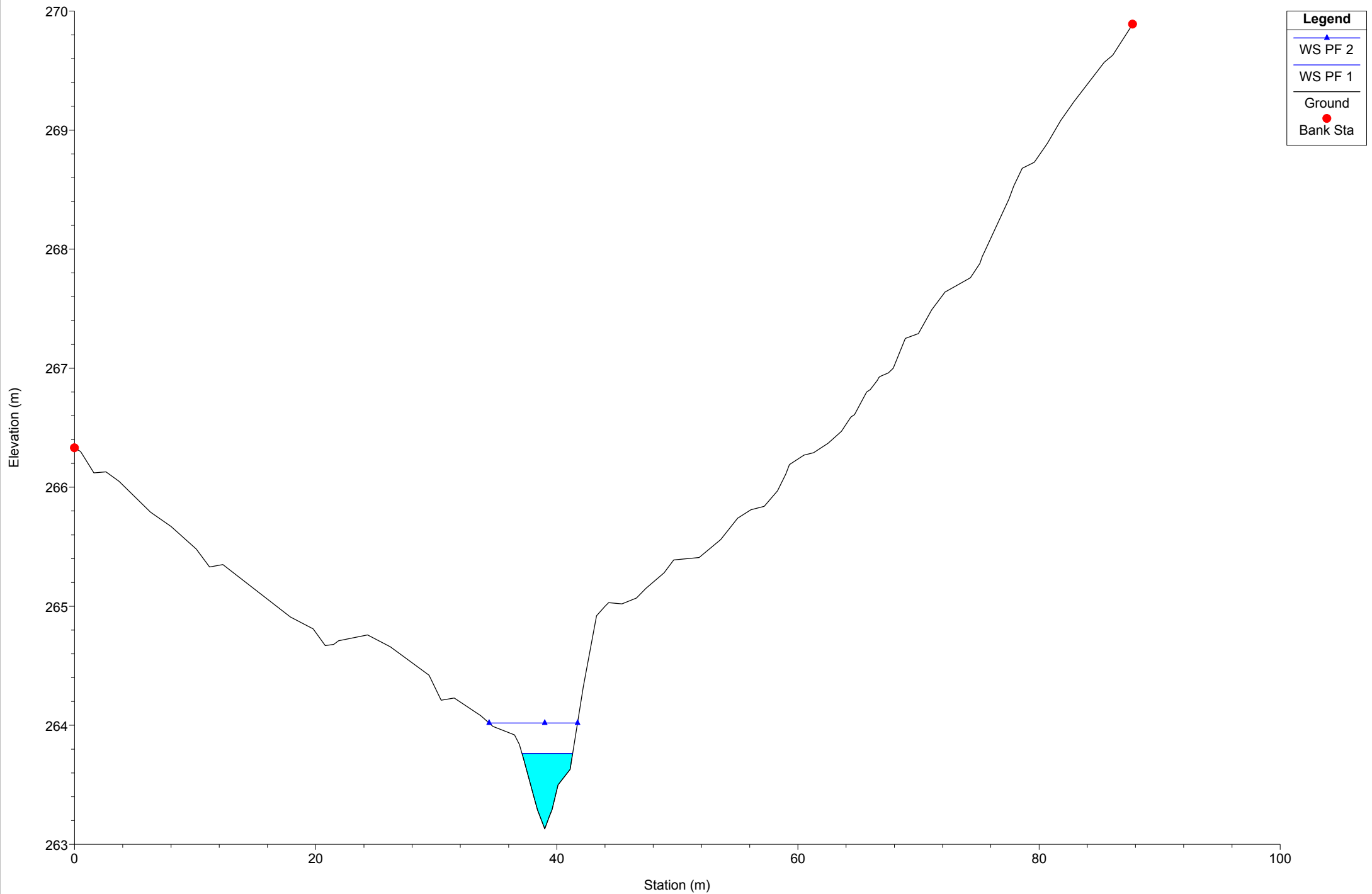


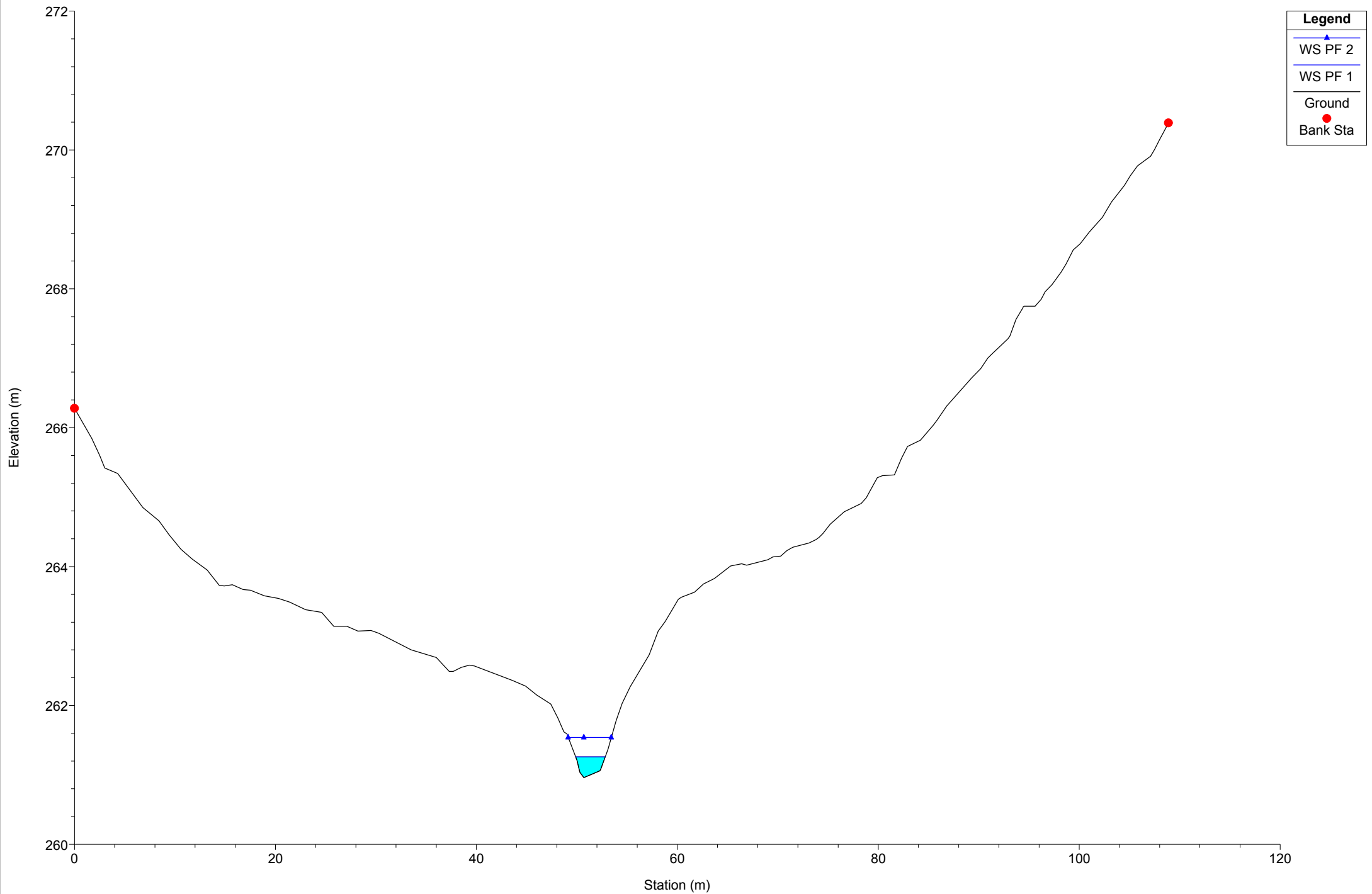


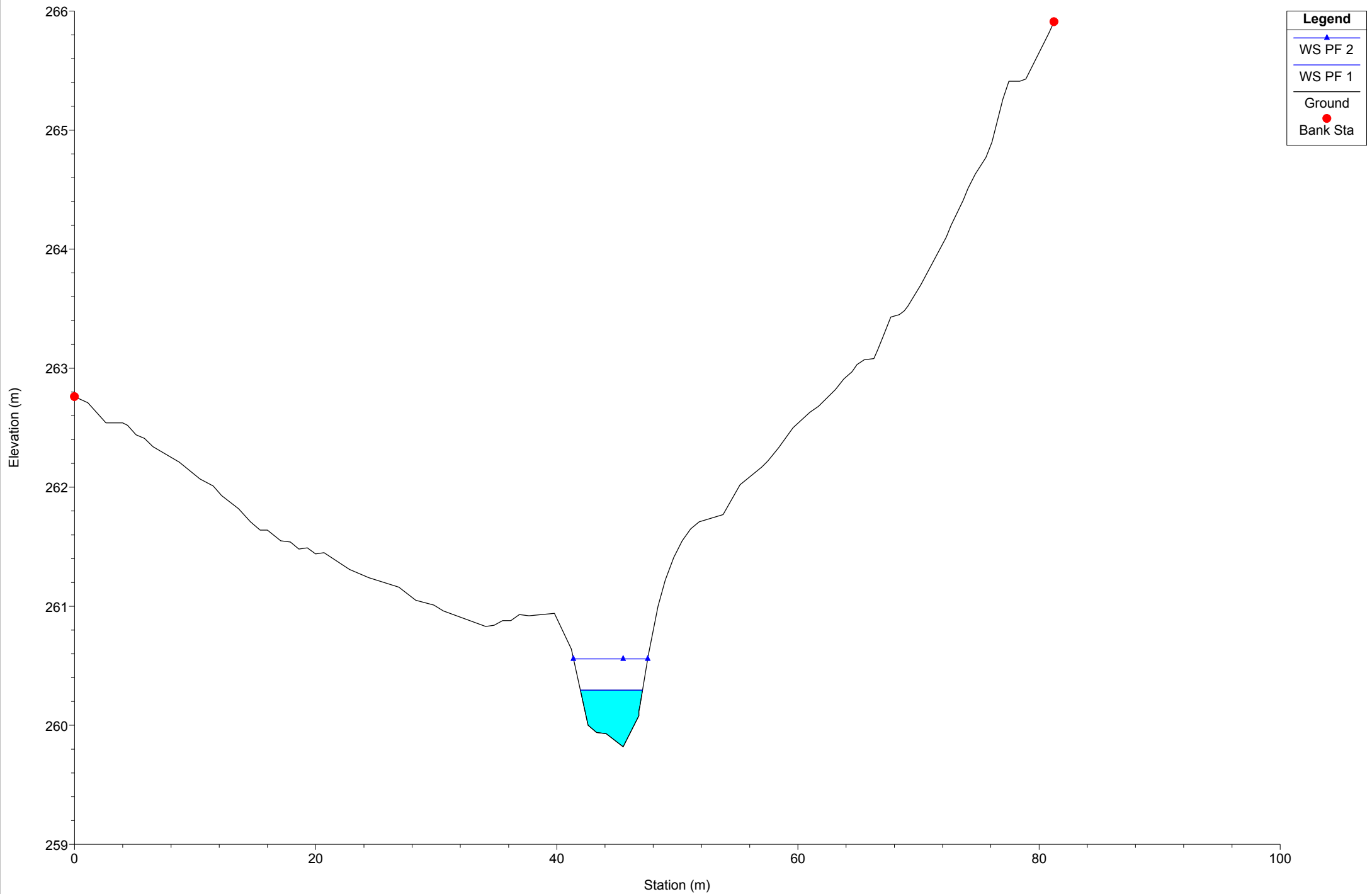


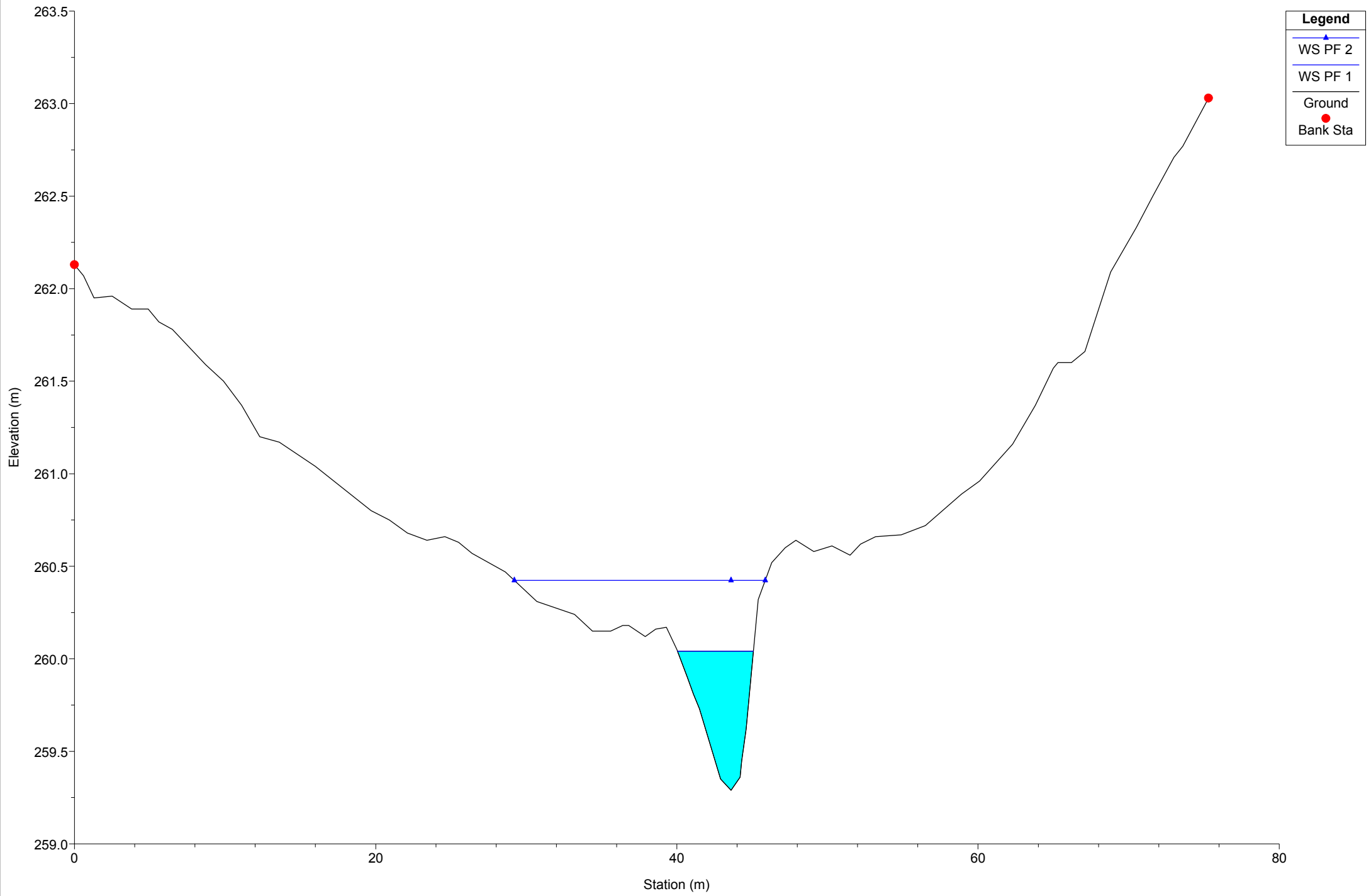


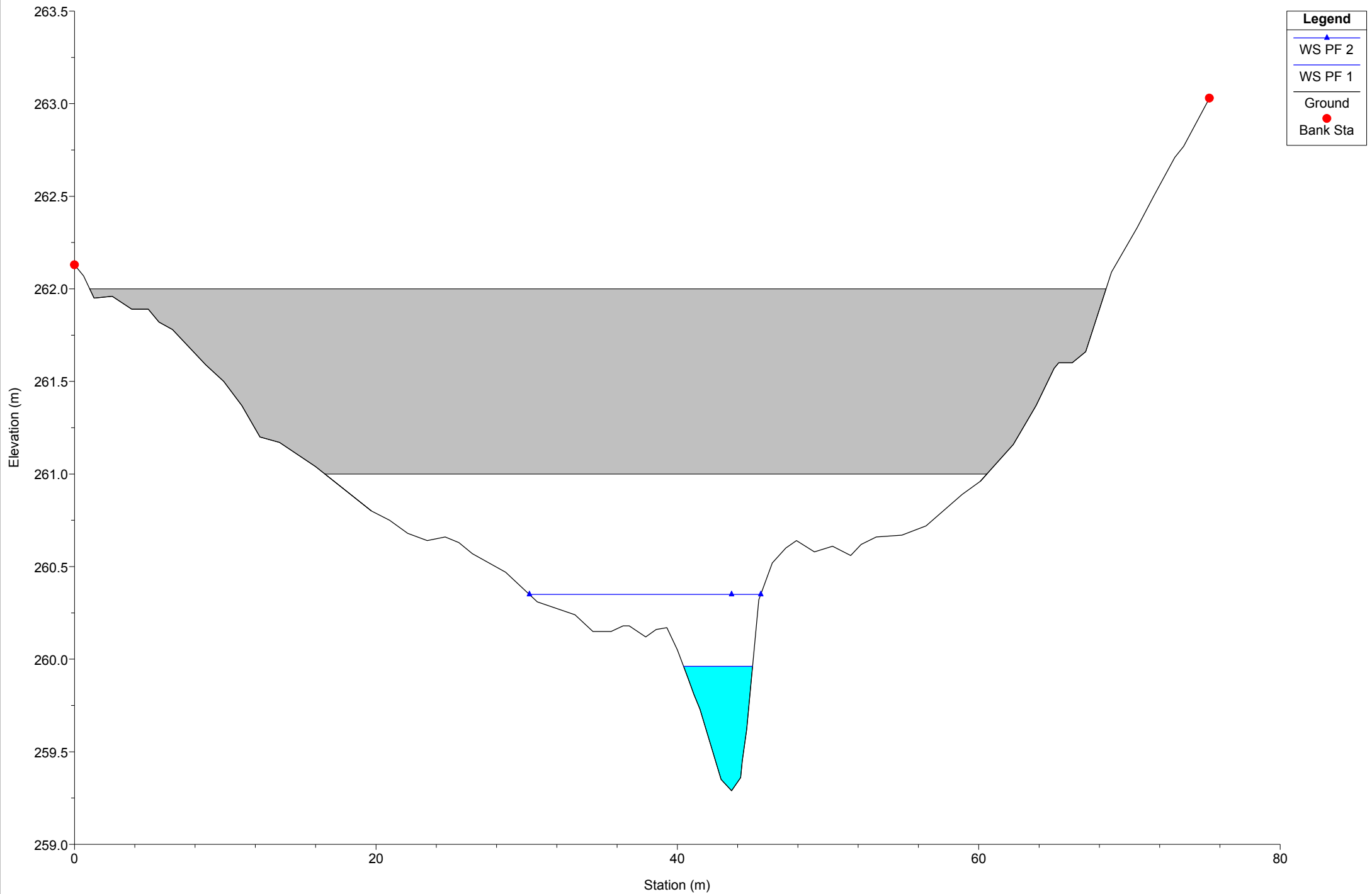


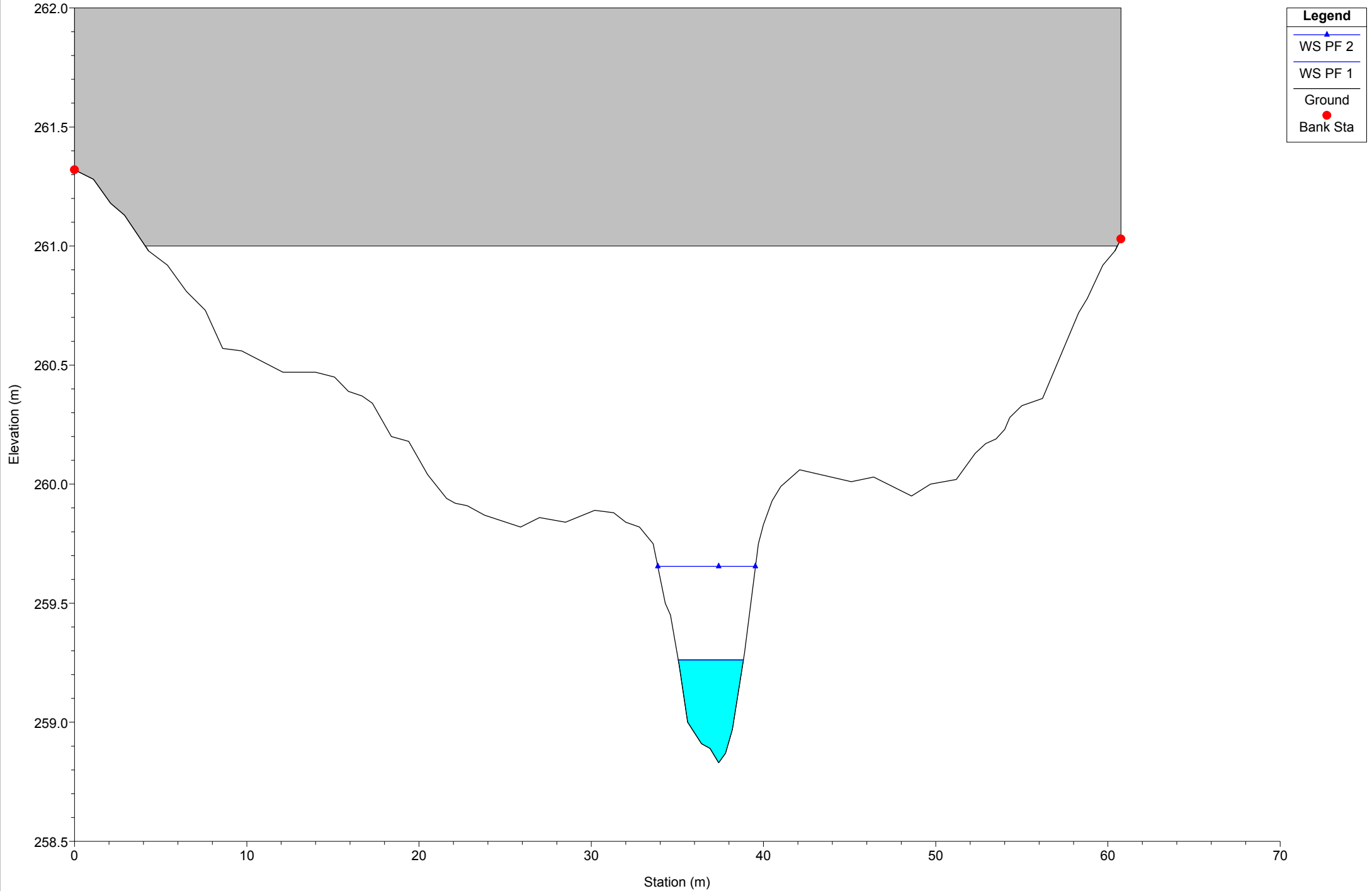


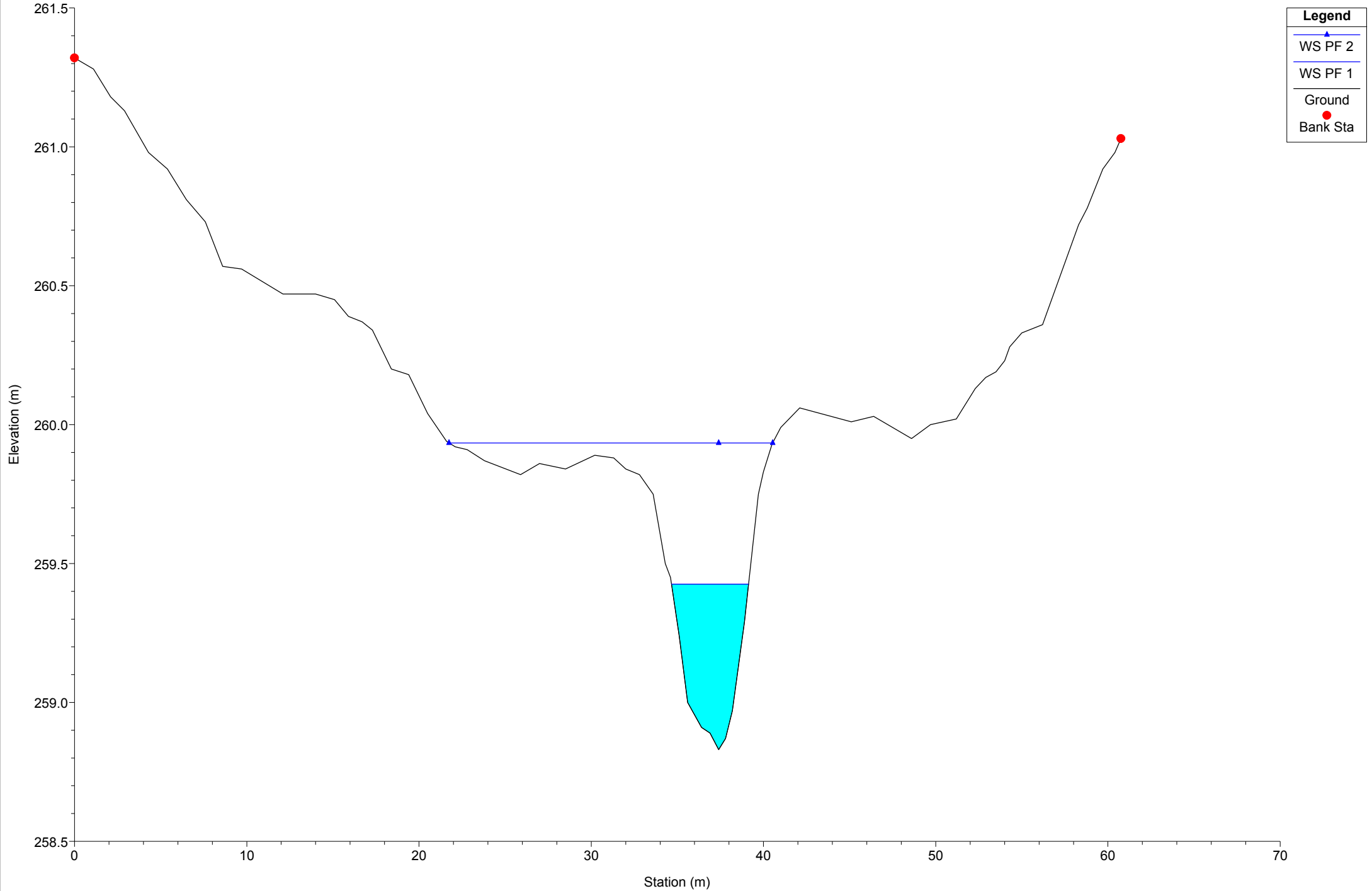


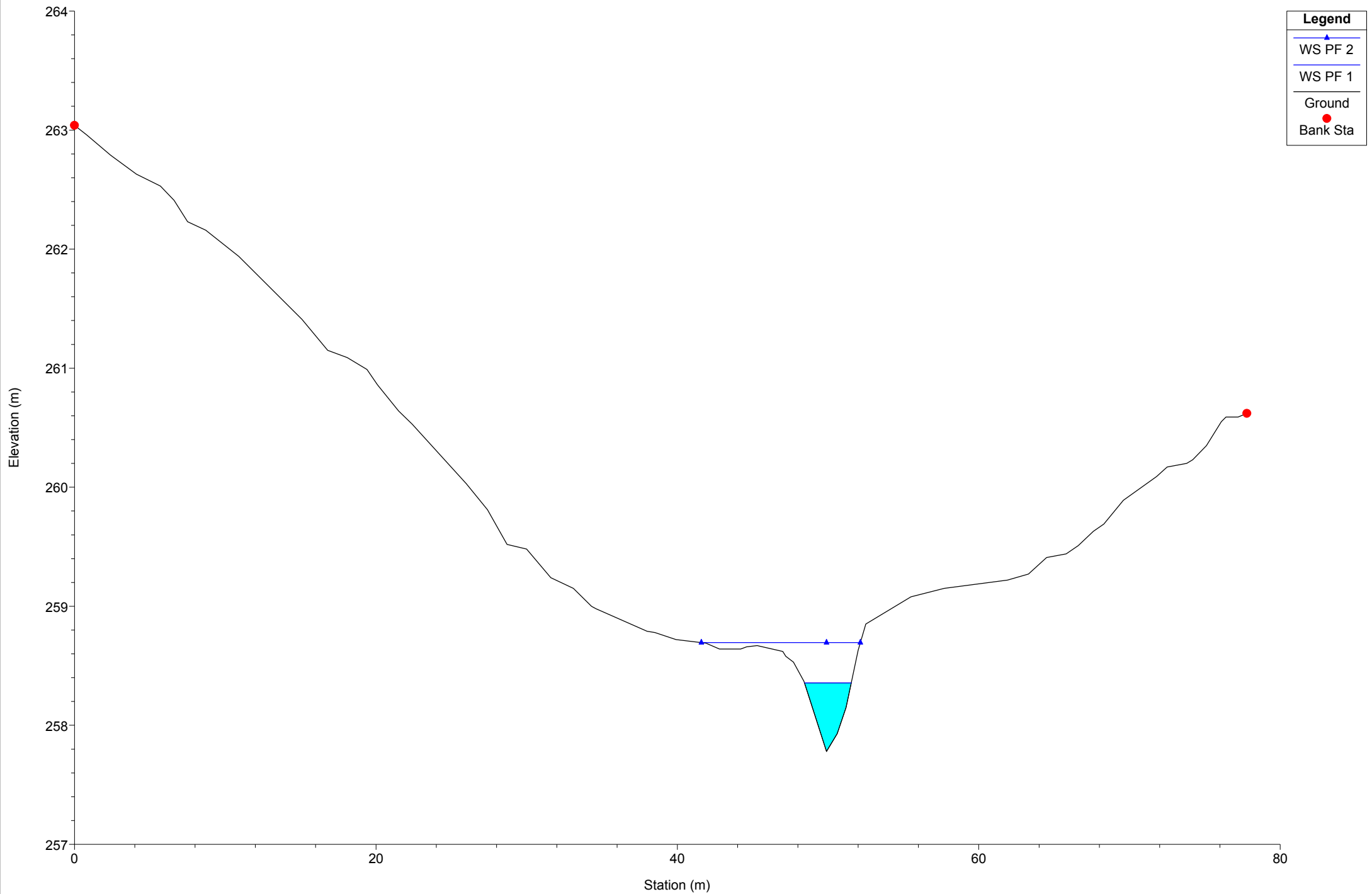


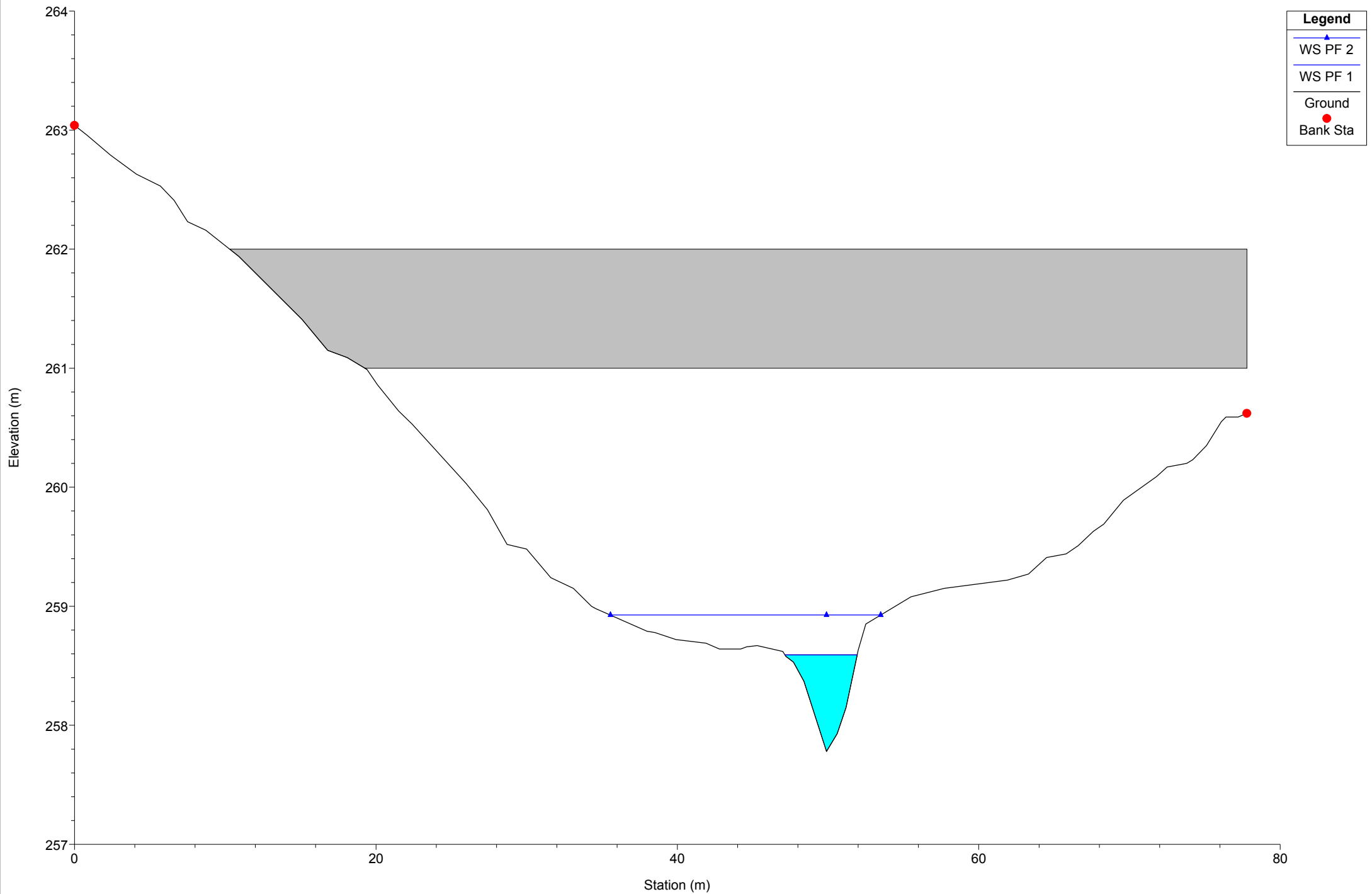


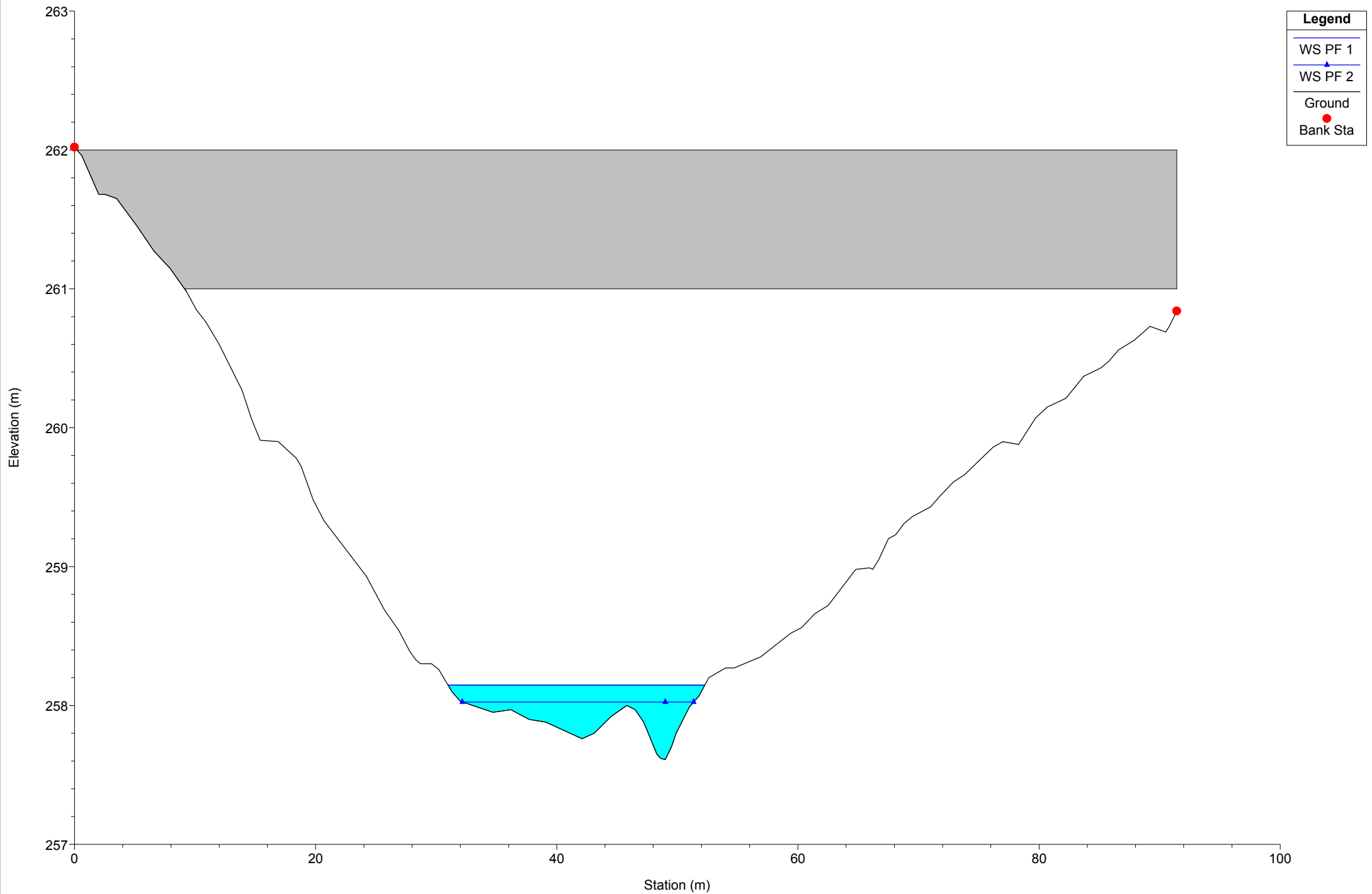






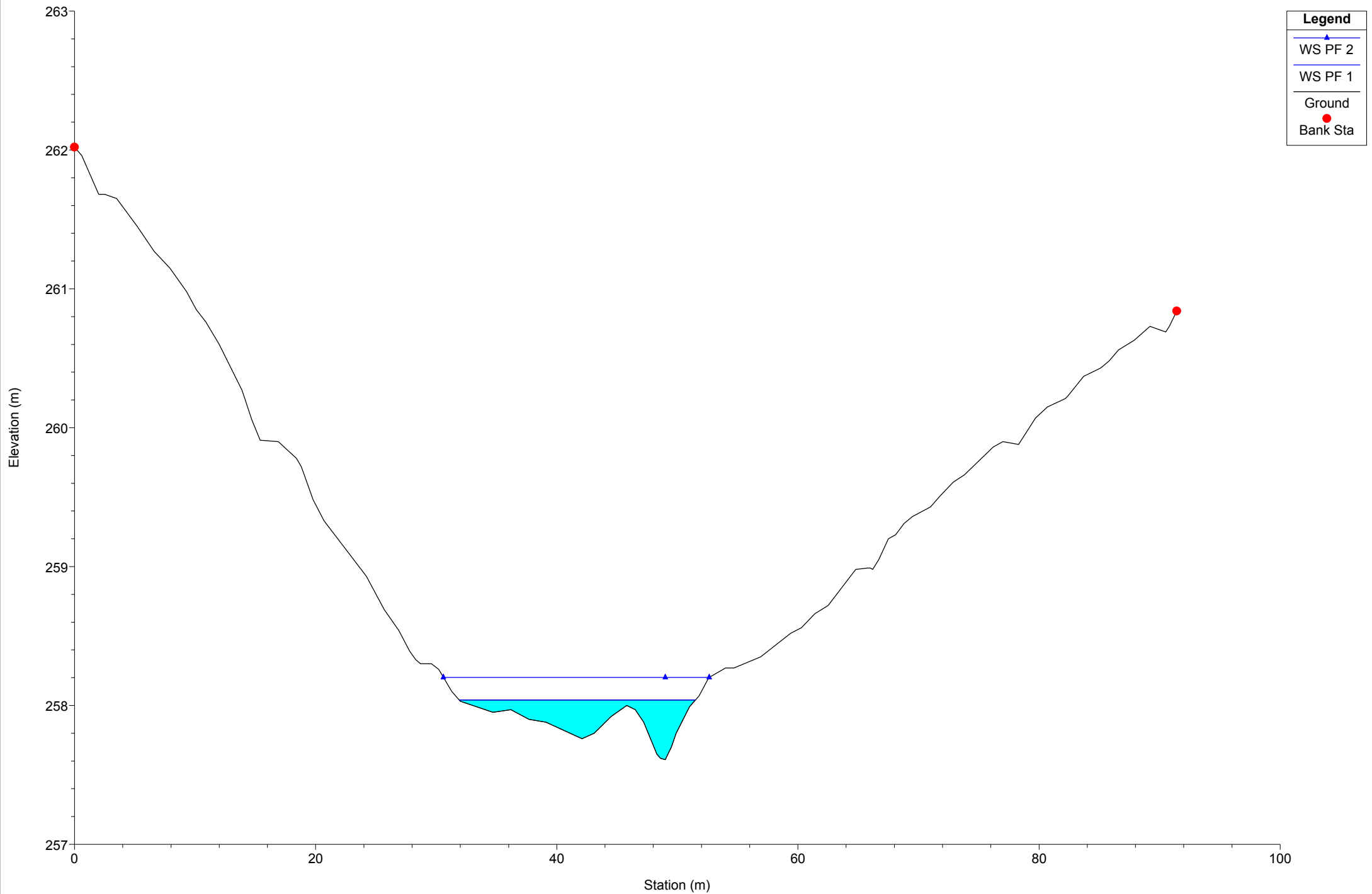


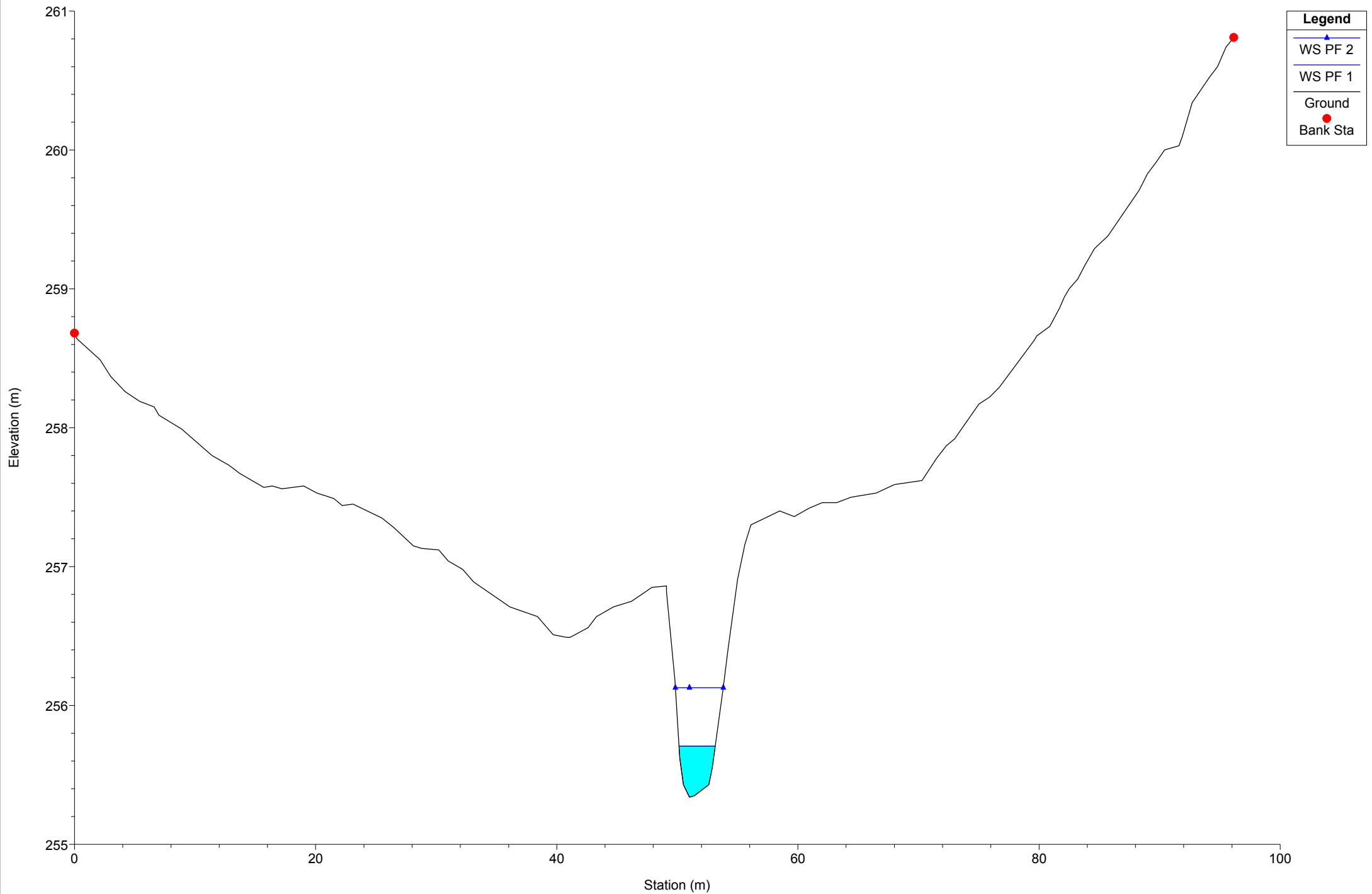


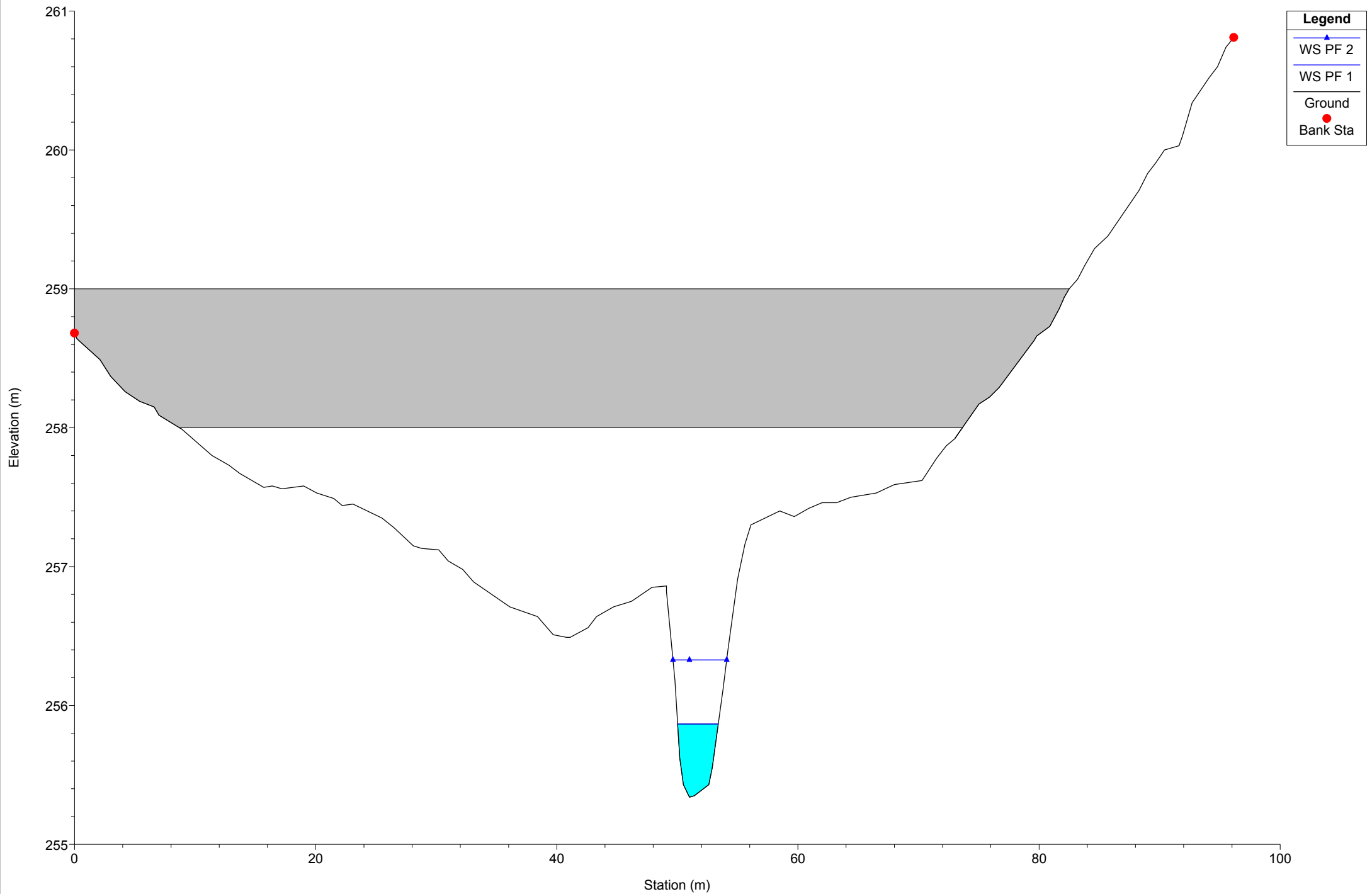


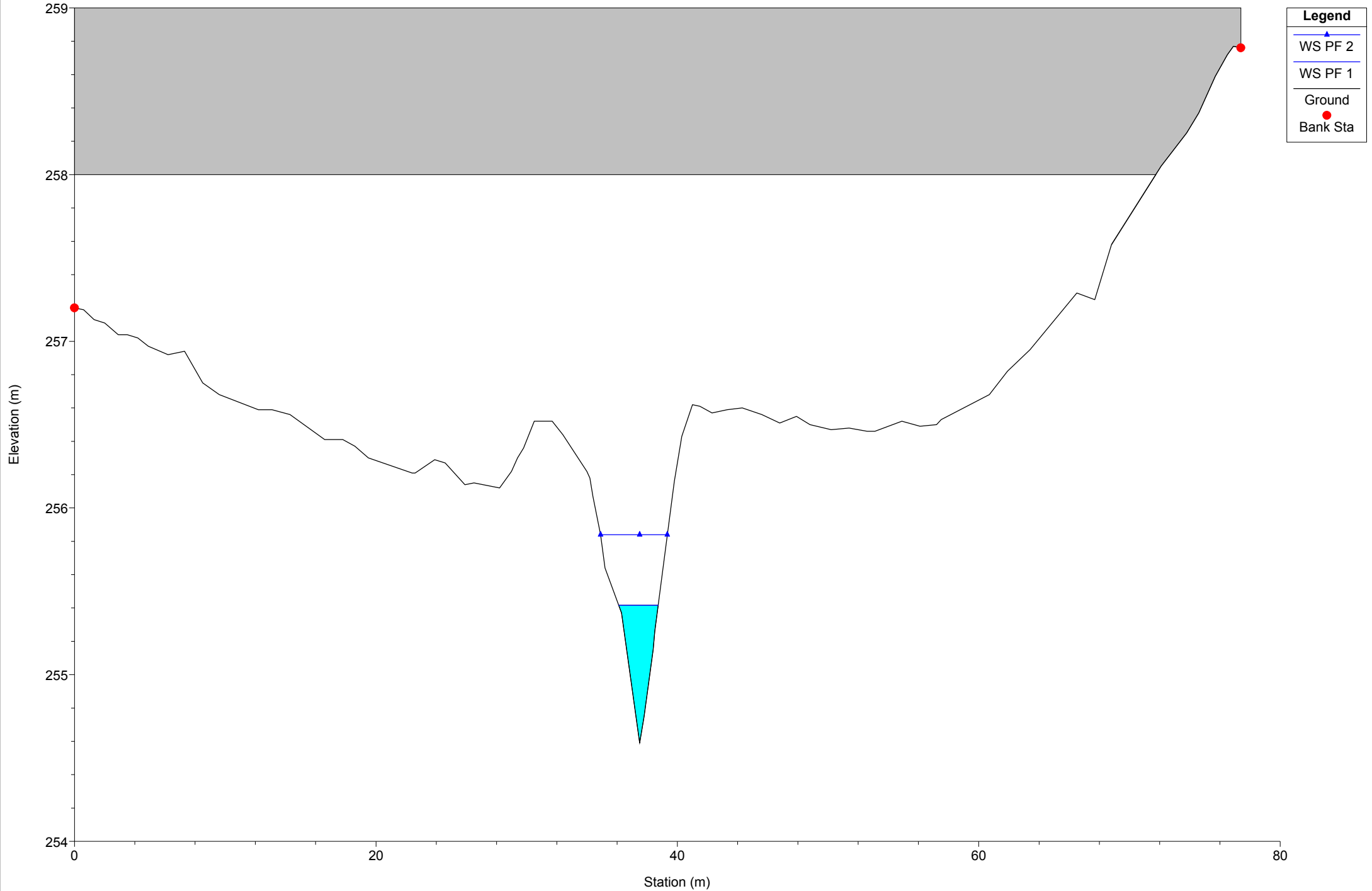
Legend

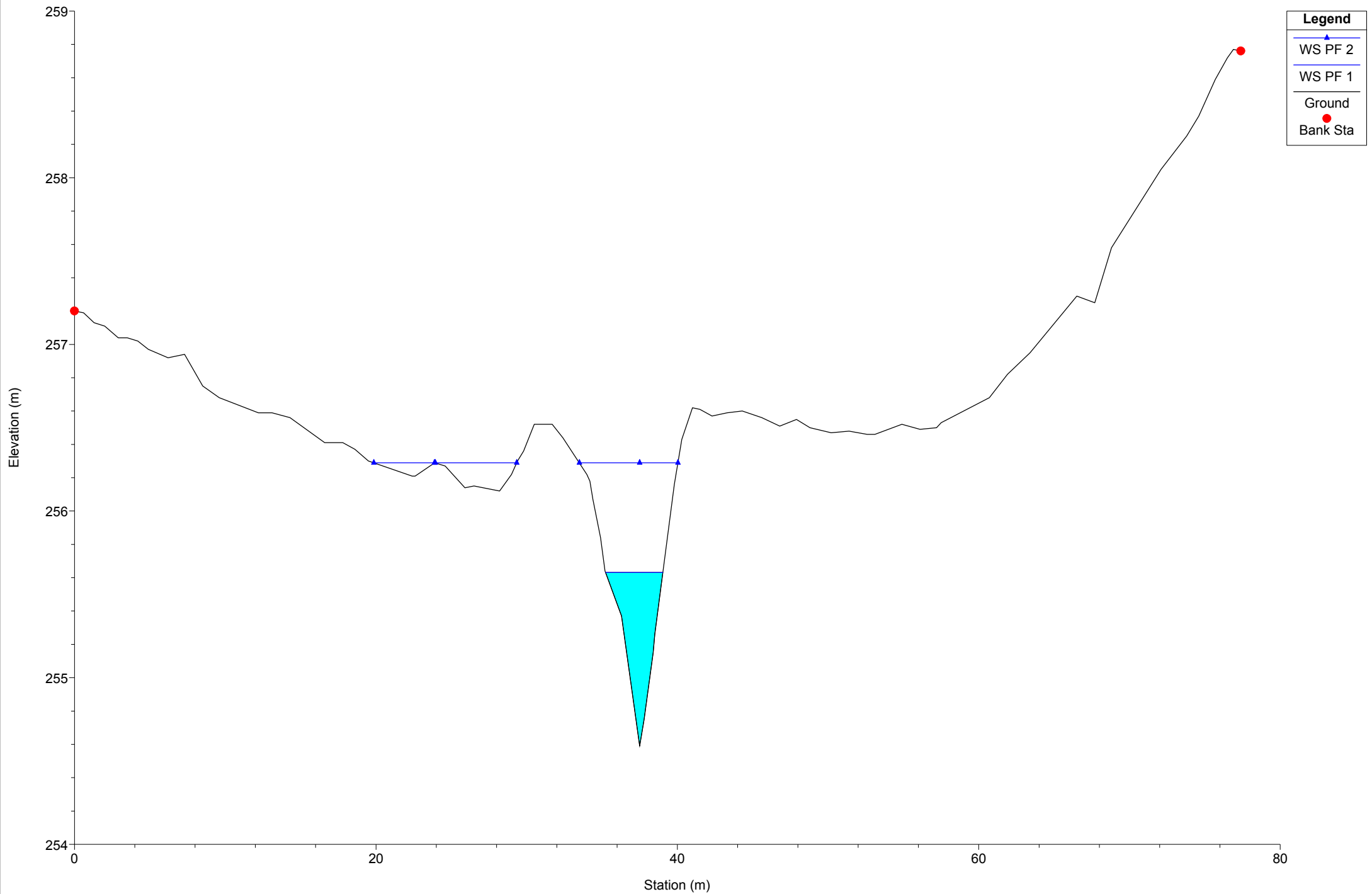
- WS PF 1
- WS PF 2
- Ground
- Bank Sta

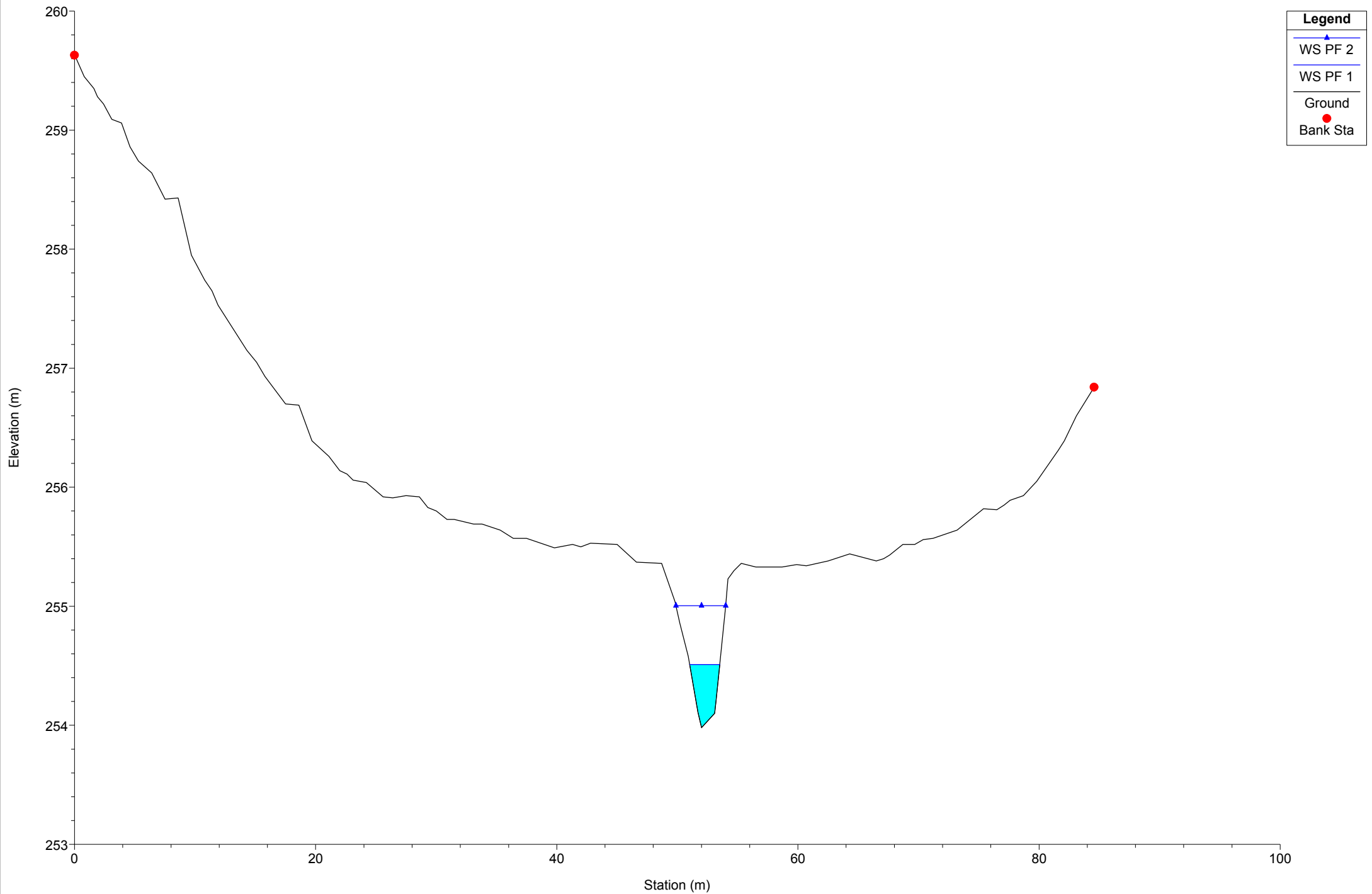


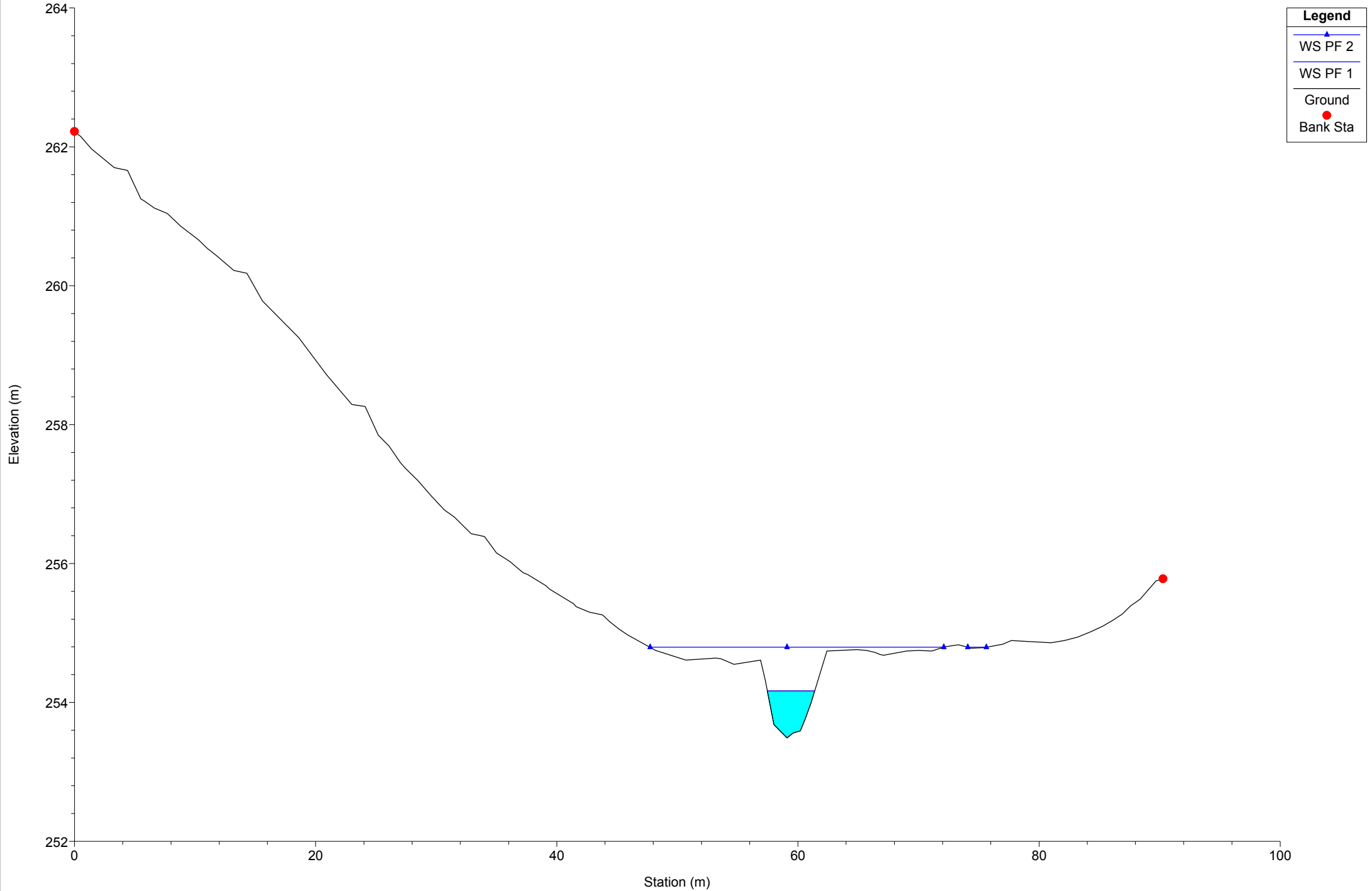






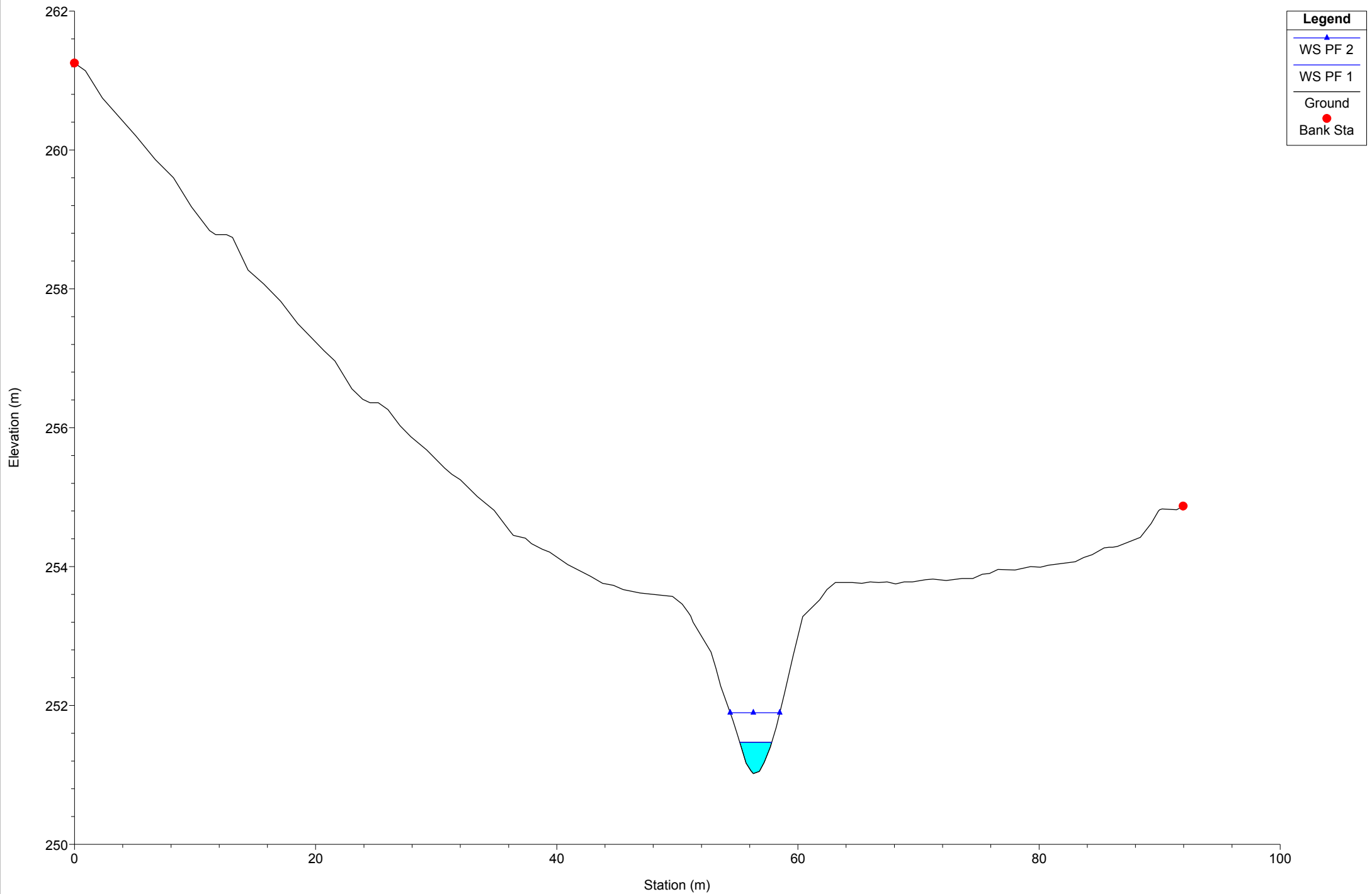


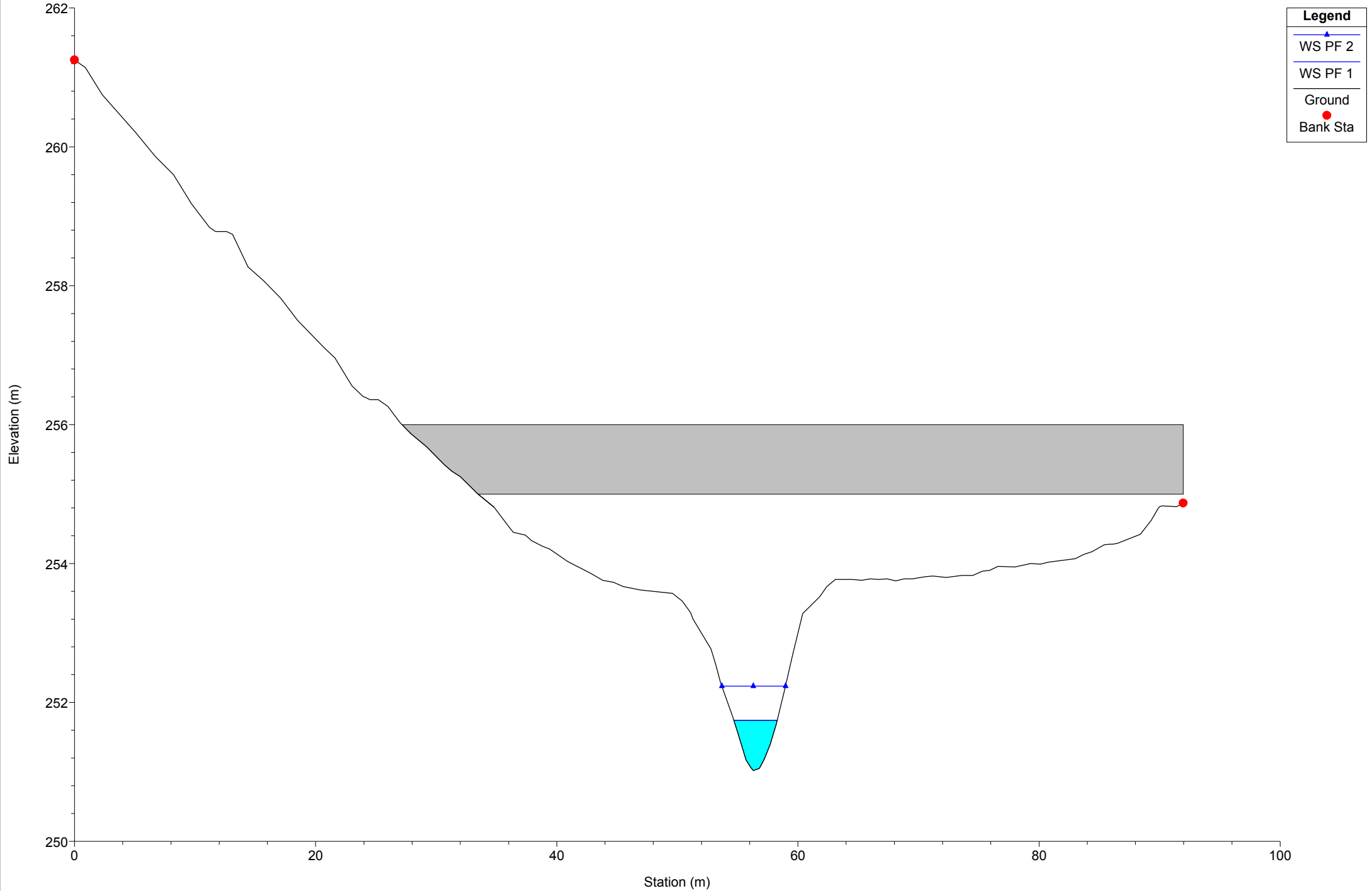


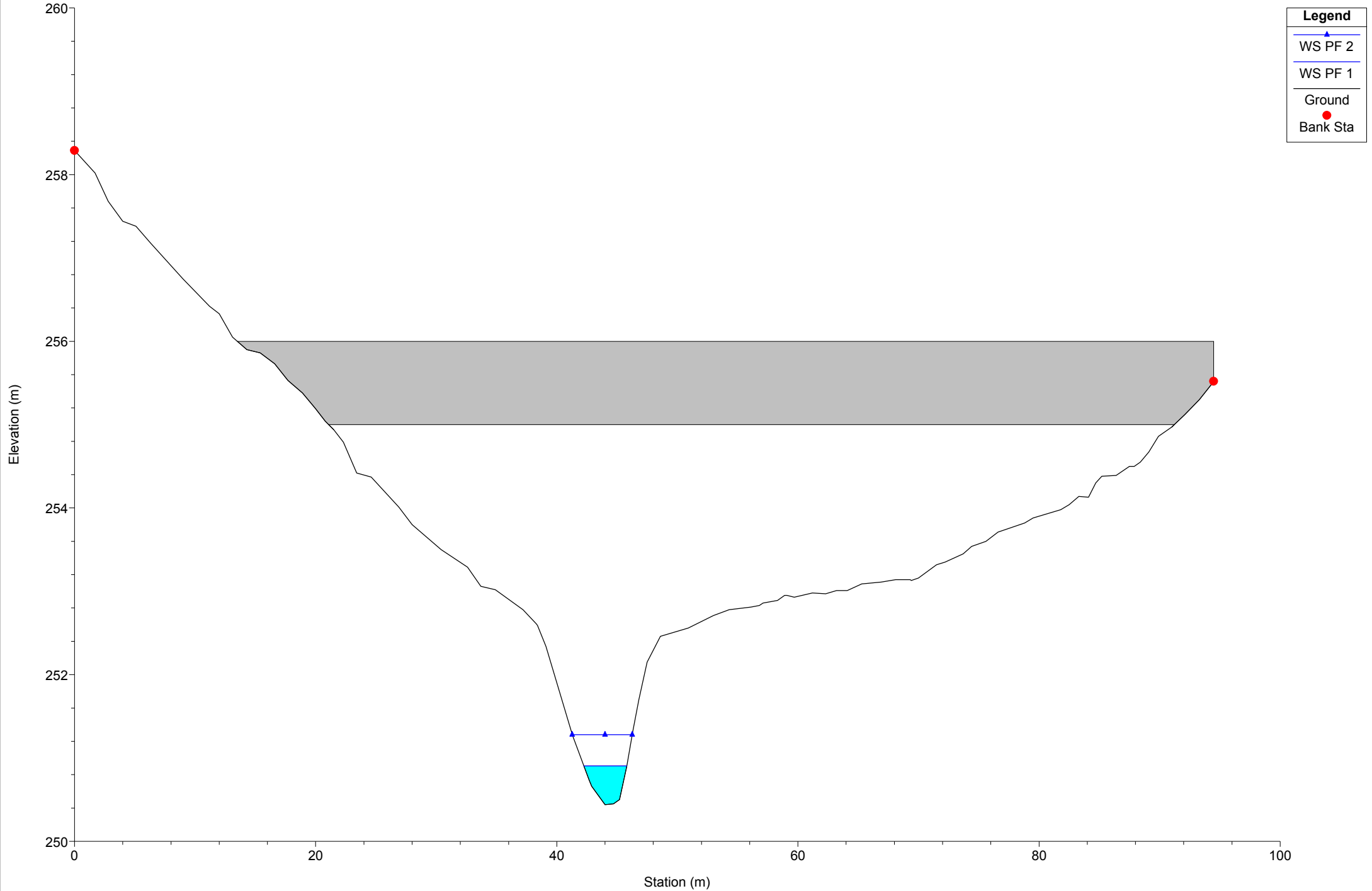


PFV_COMPAGNIA DEL SOLE Plan: Plan 02

River = River 1 Reach = Reach 1-Lower RS = 474





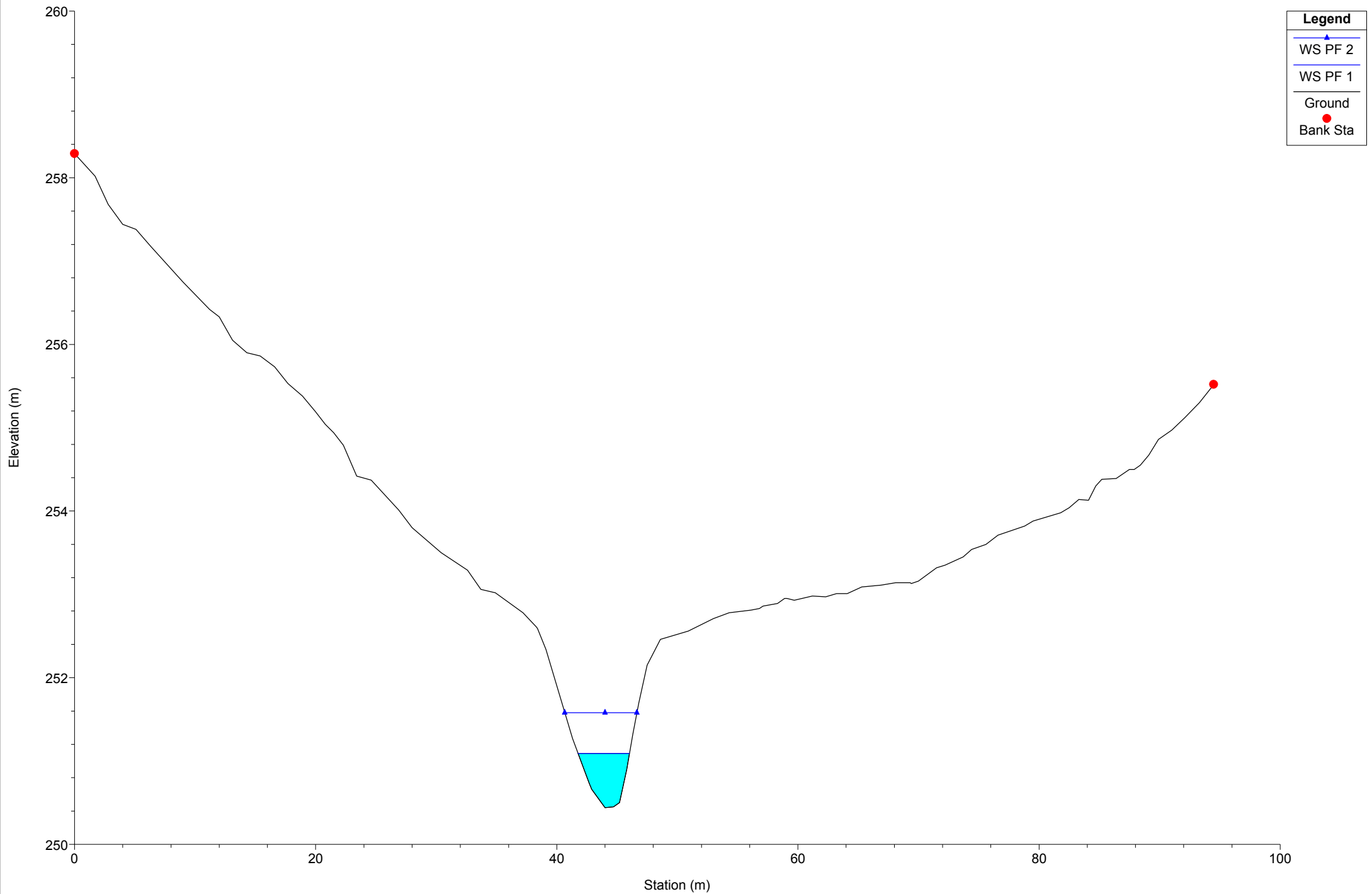


Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

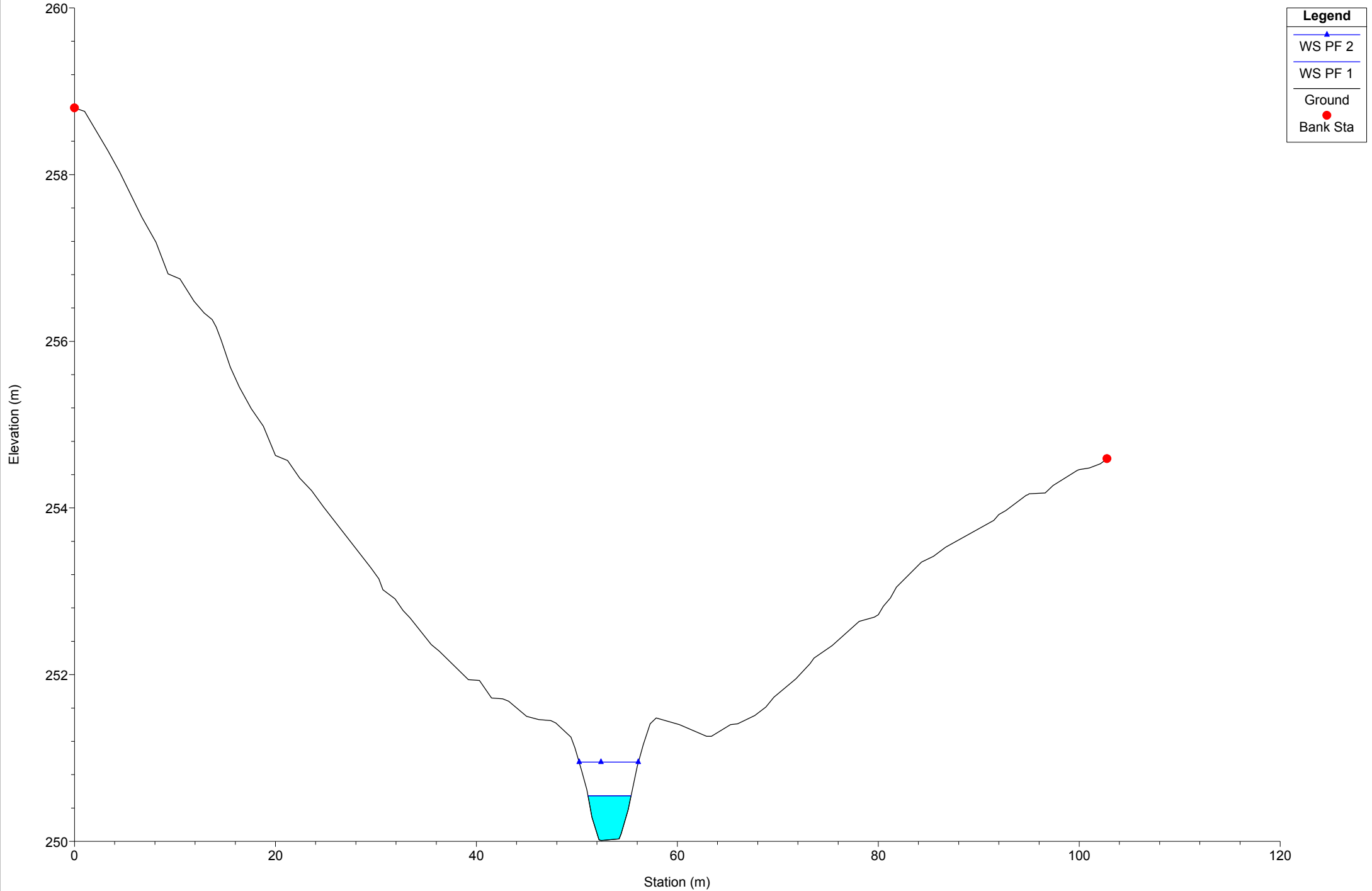
PFV_COMPAGNIA DEL SOLE Plan: Plan 02

River = River 1 Reach = Reach 1-Lower RS = 439



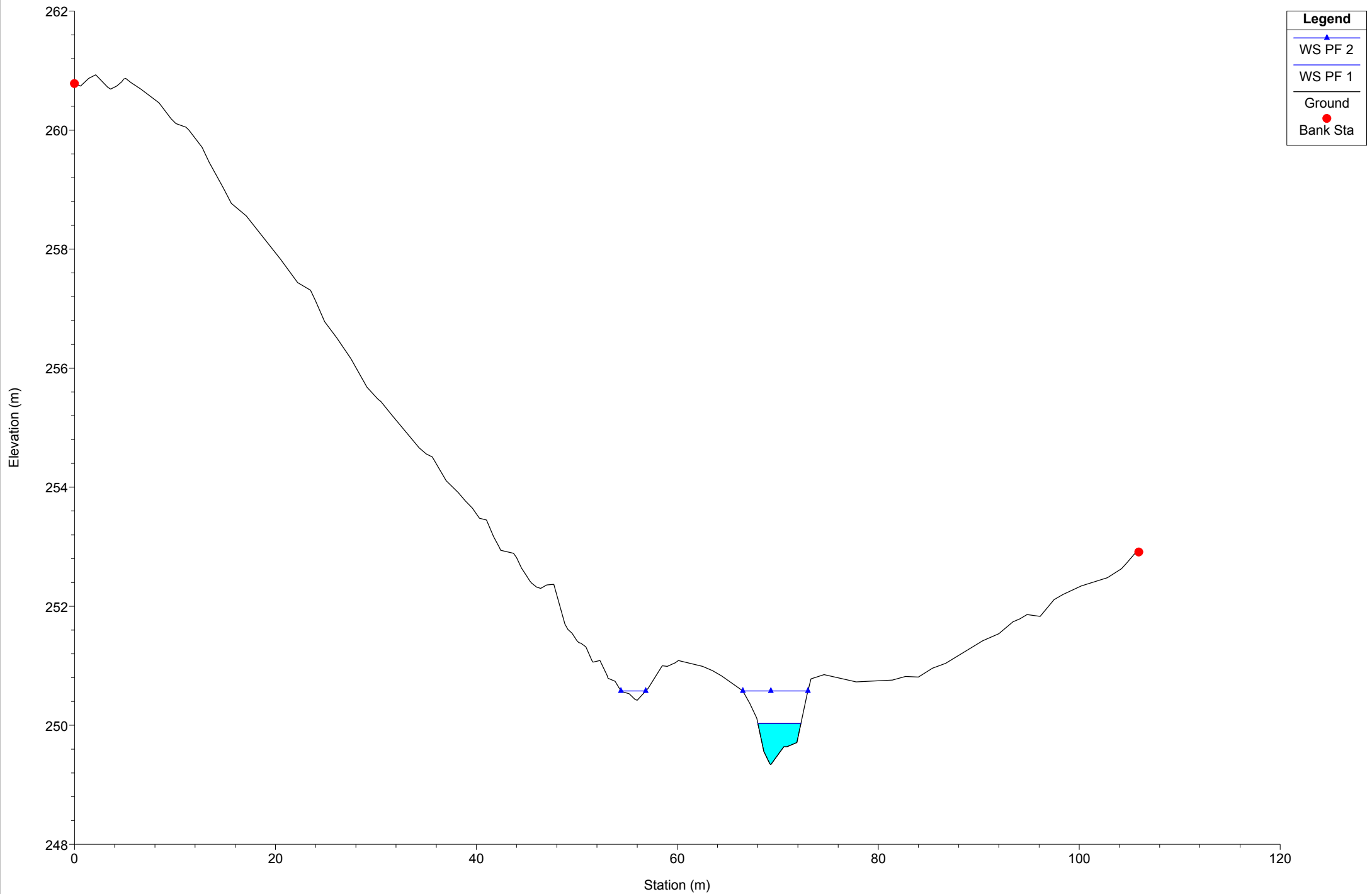
Legend

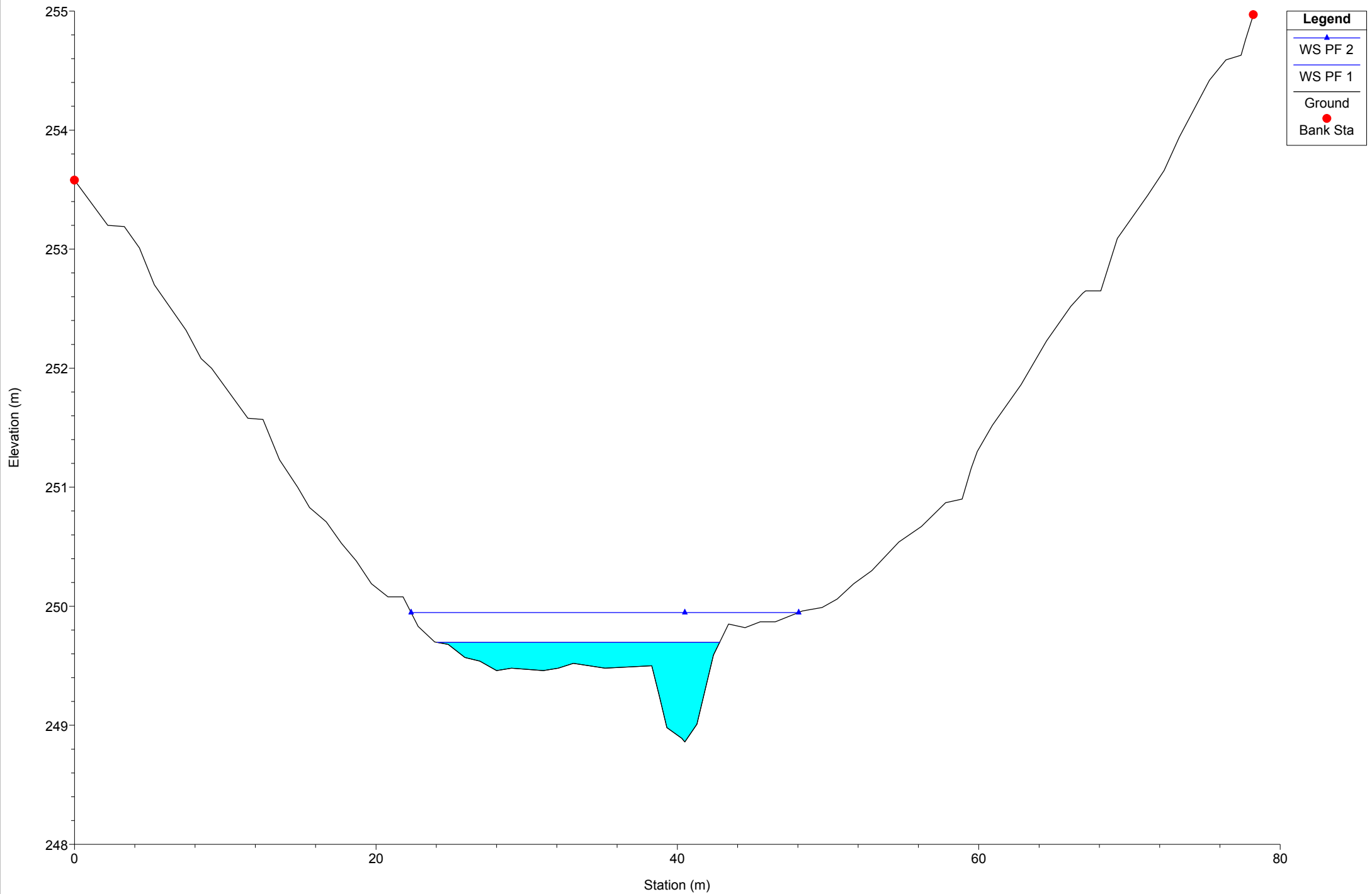
- WS PF 2 (Blue line with triangle)
- WS PF 1 (Blue line with triangle)
- Ground (Black line)
- Bank Sta (Red dot)

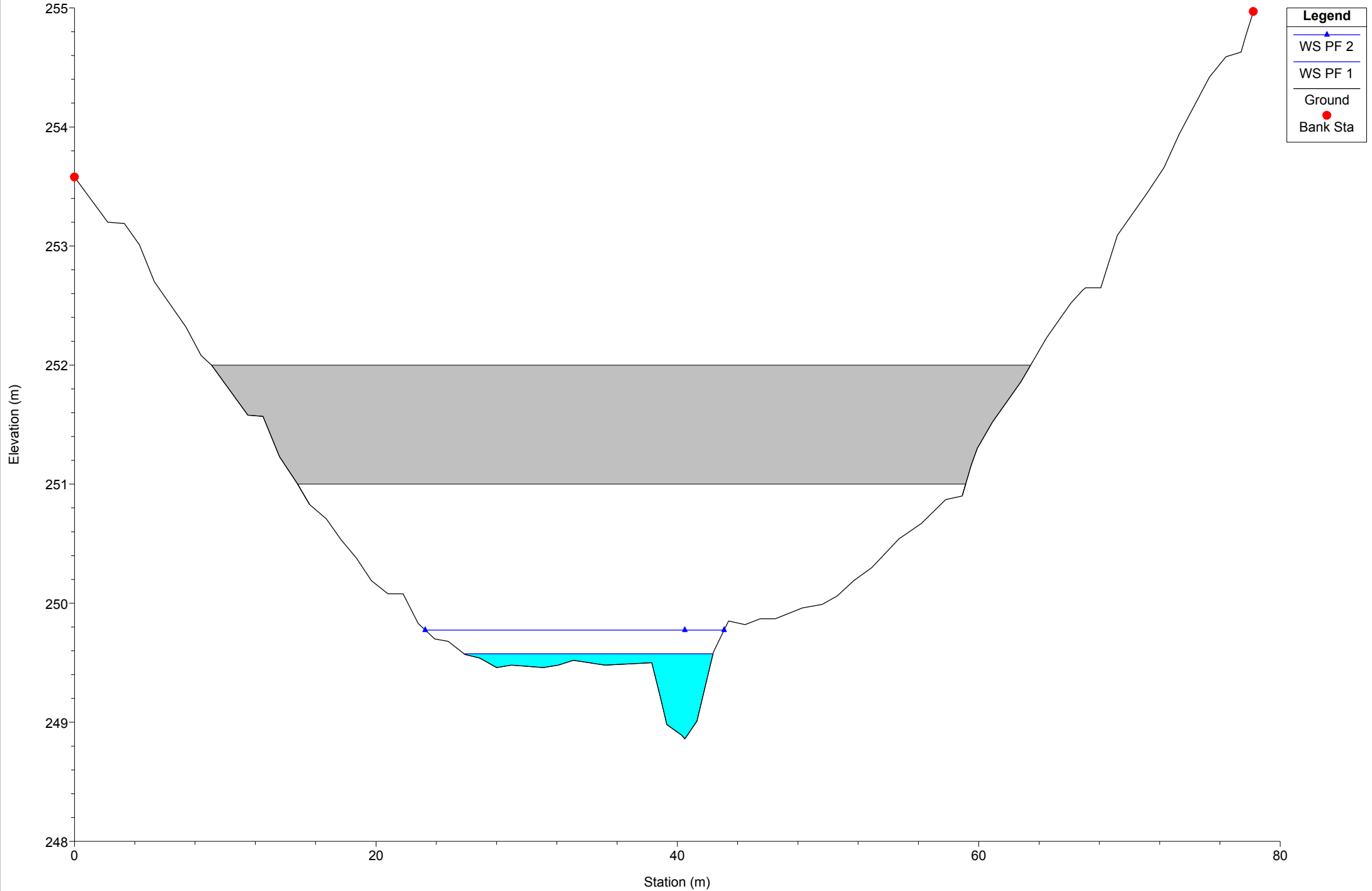


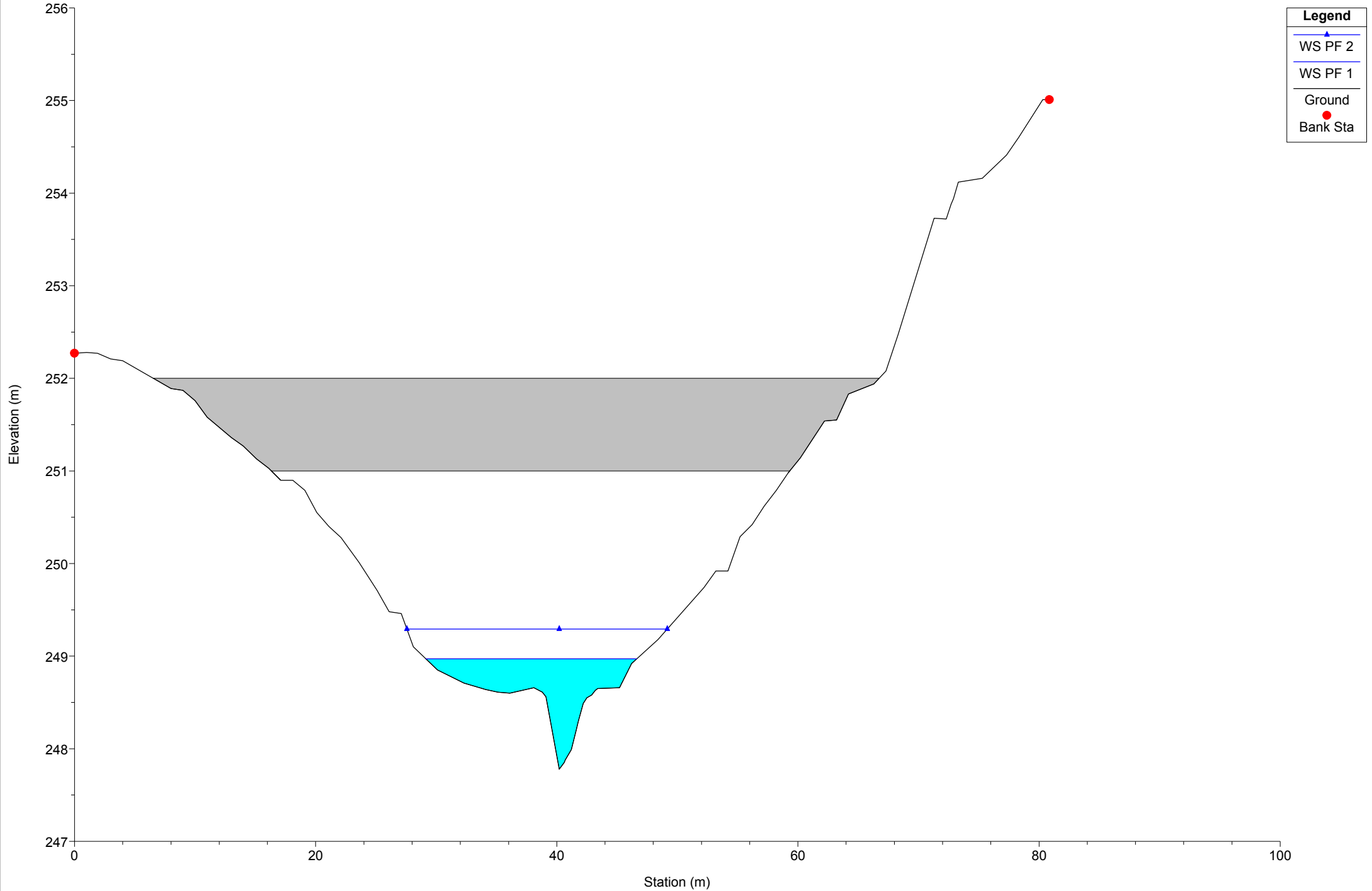
Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta



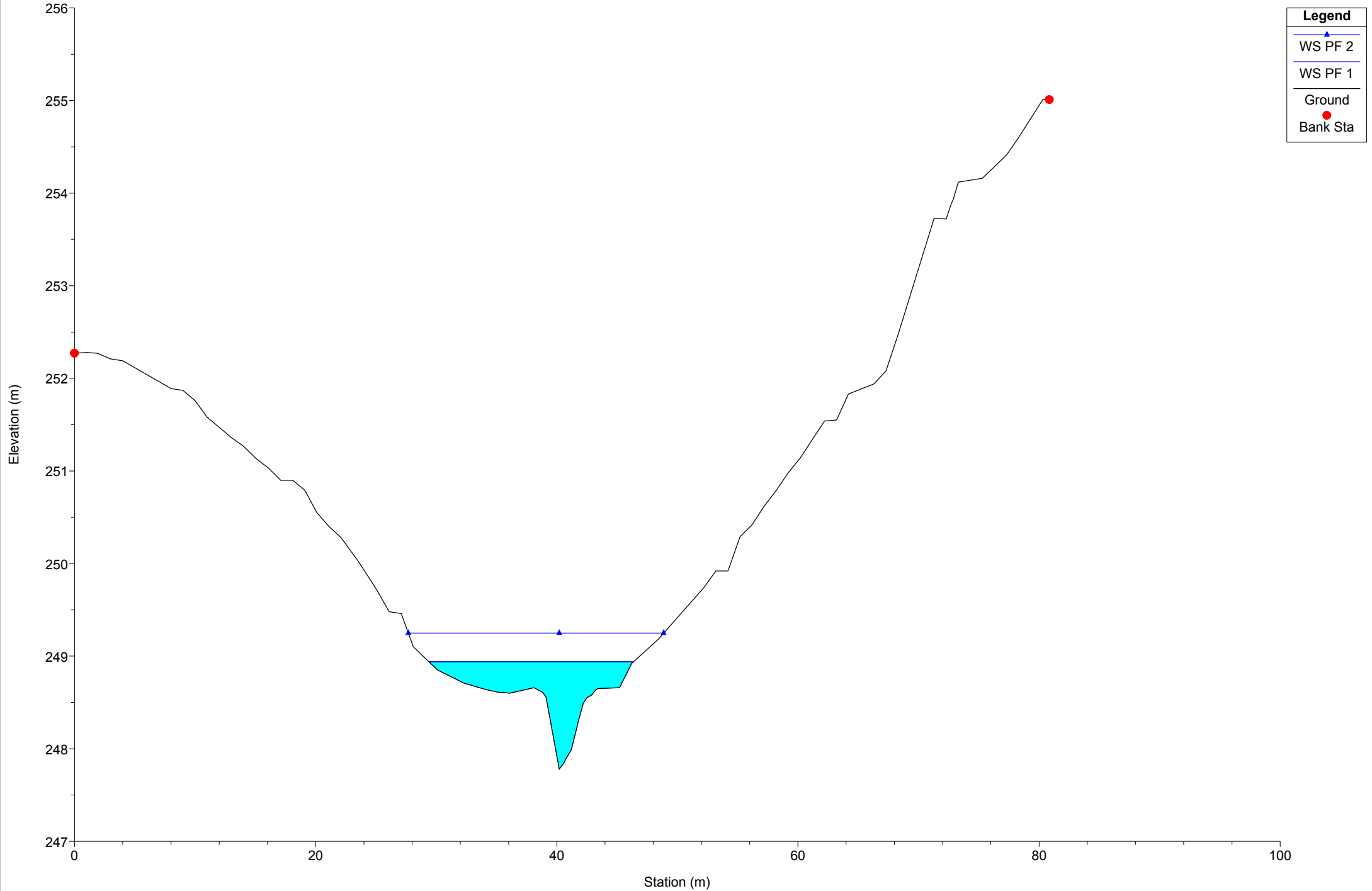


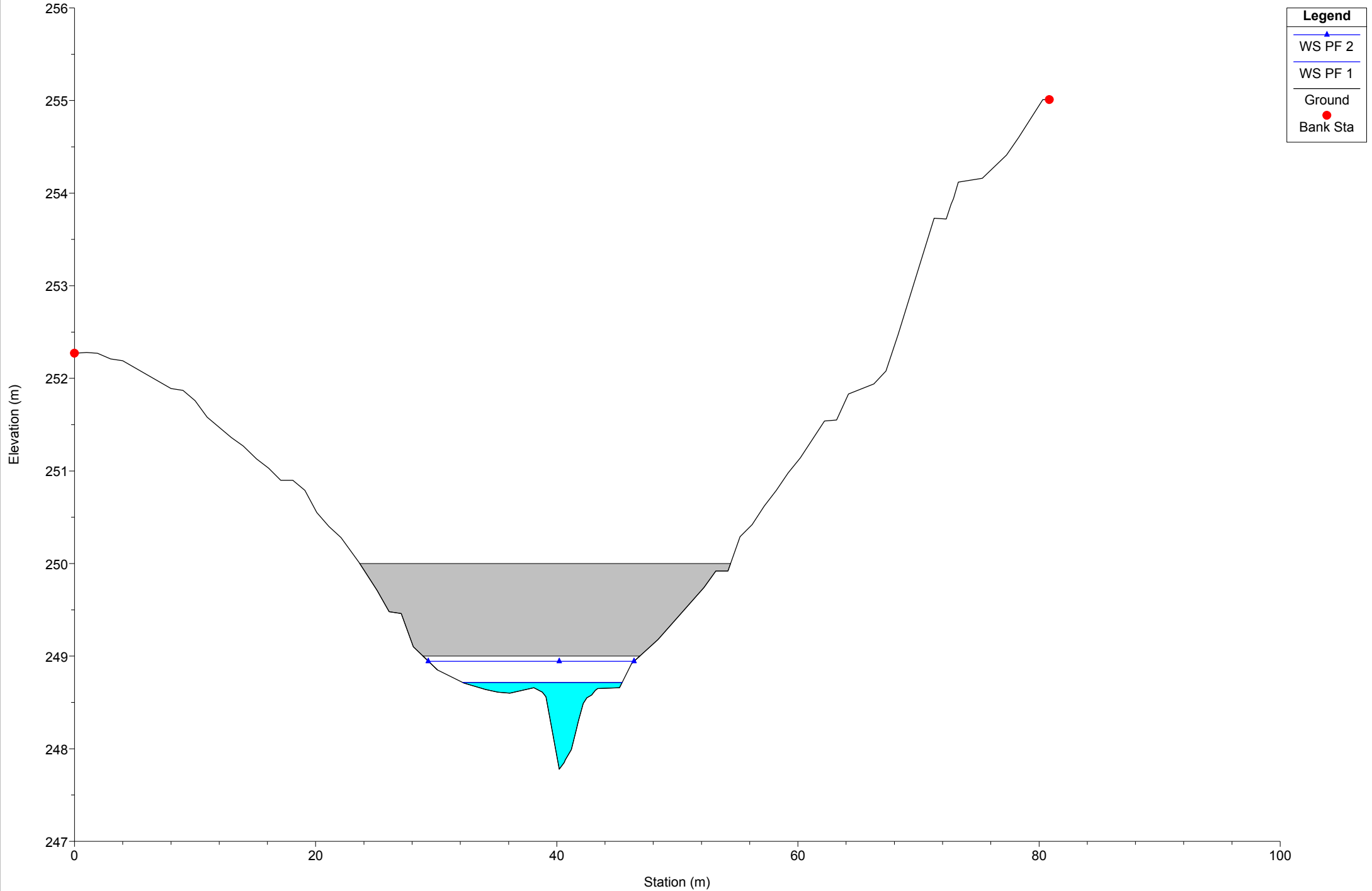




Legend

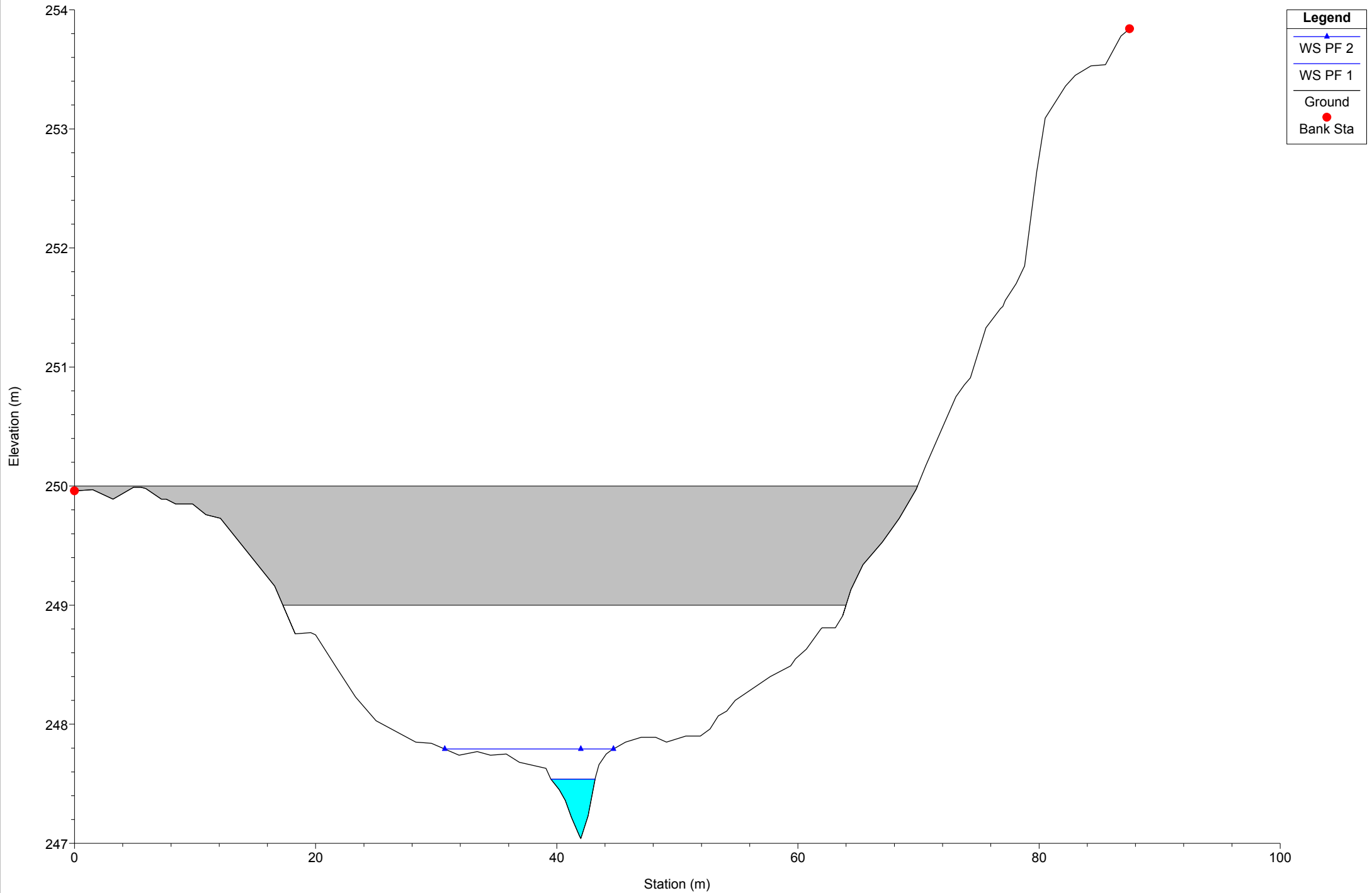
- WS PF 2
- WS PF 1
- Ground
- Bank Sta

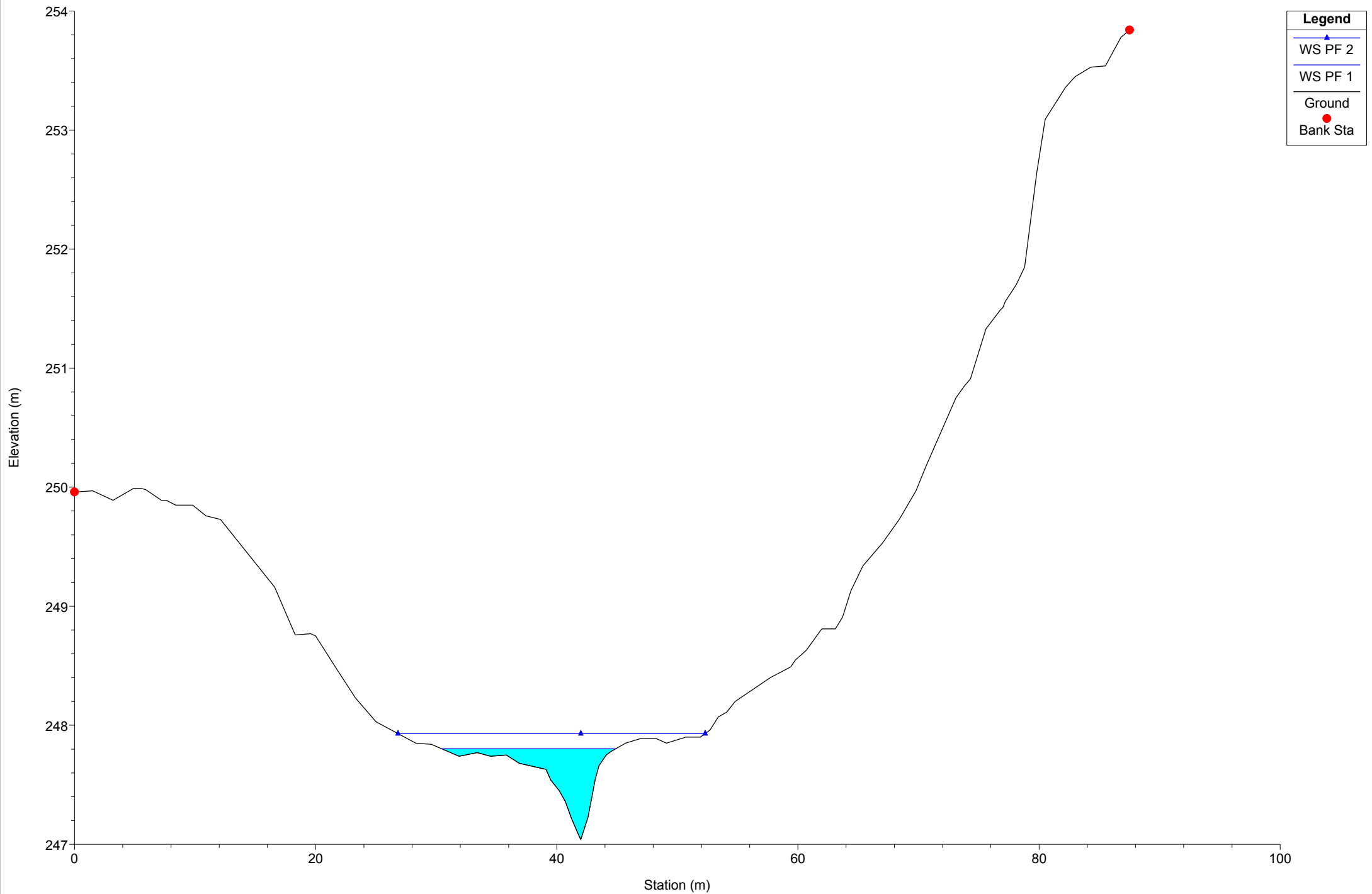


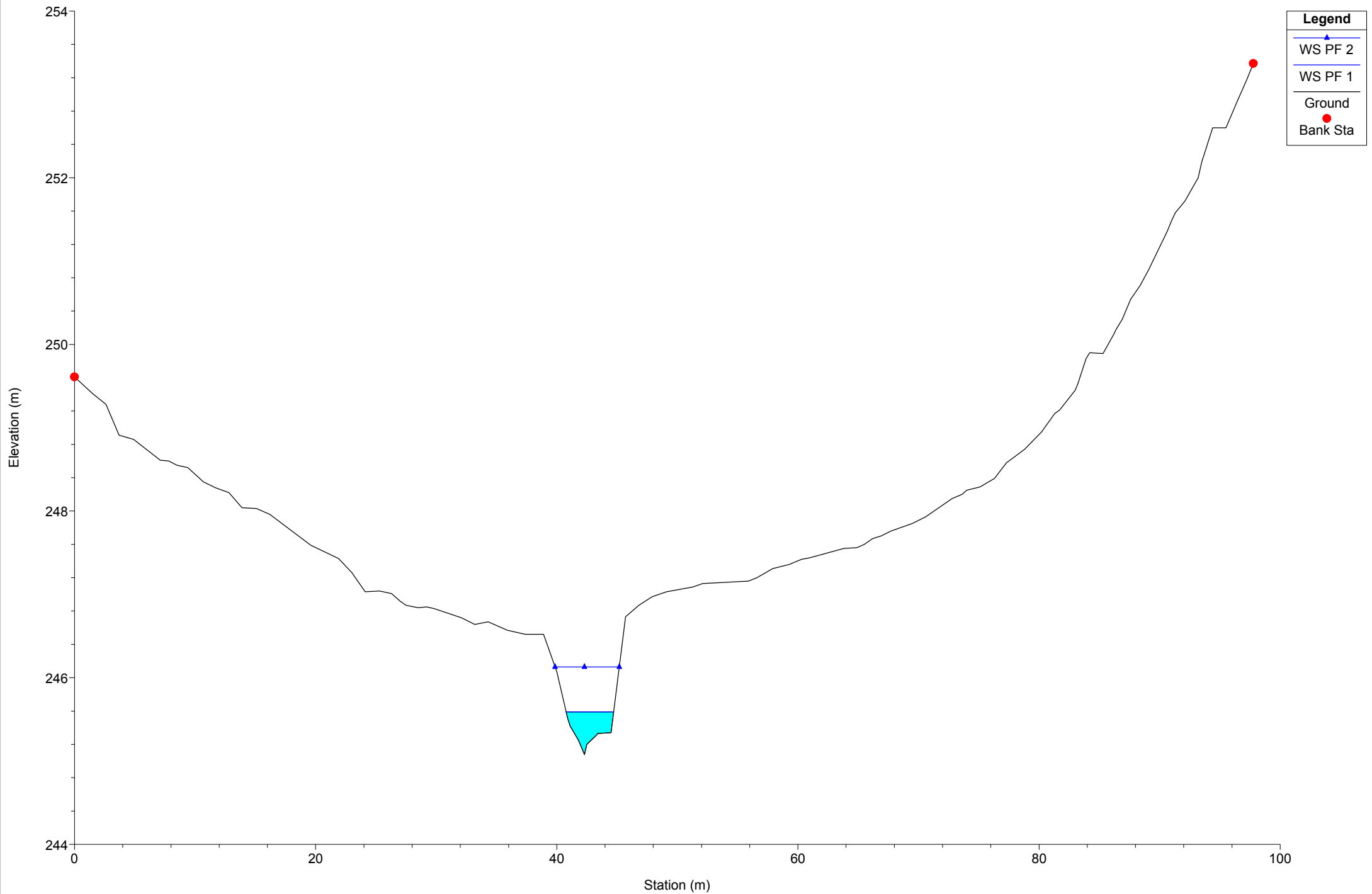


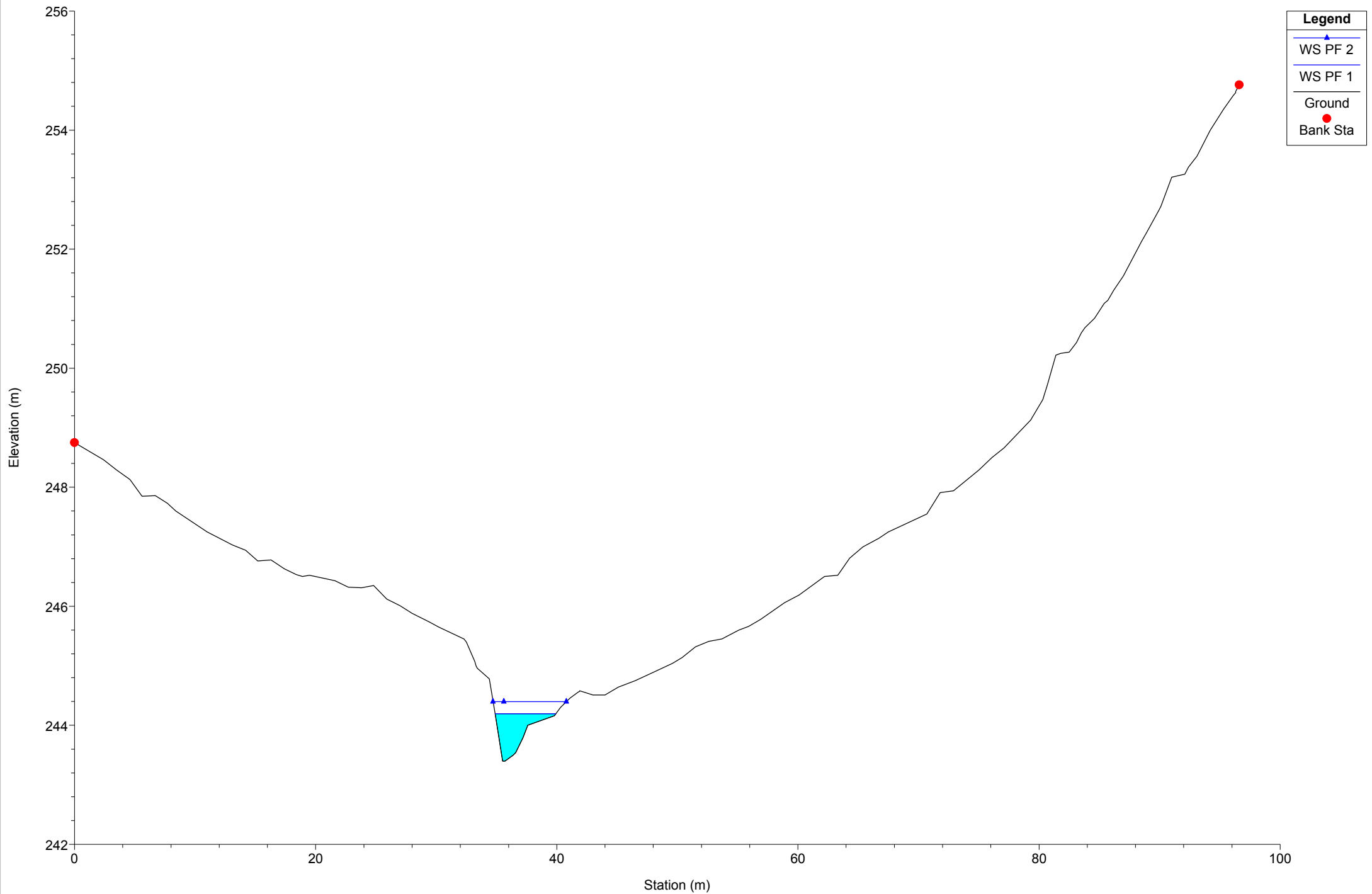
Legend

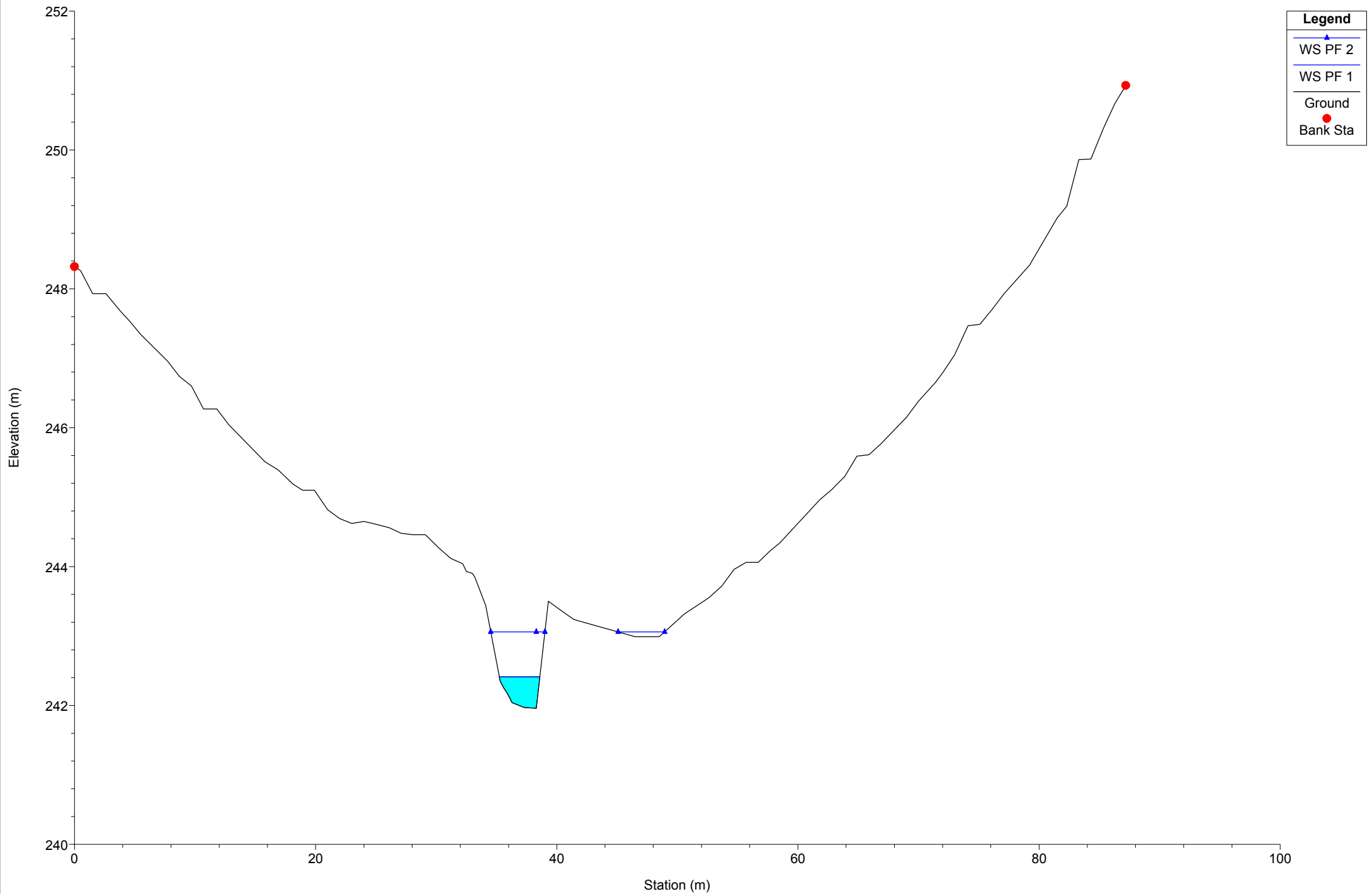
- WS PF 2
- WS PF 1
- Ground
- Bank Sta





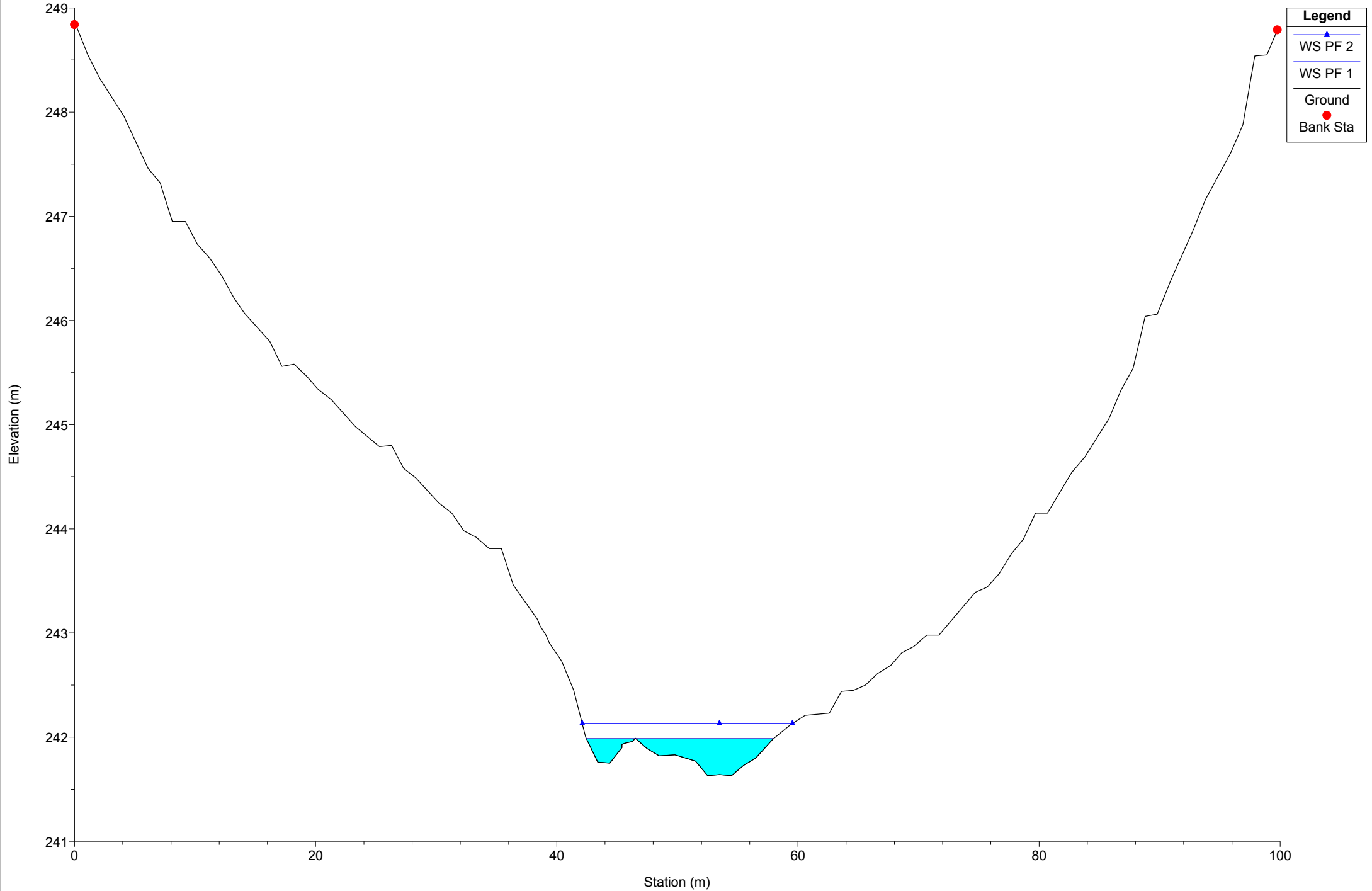


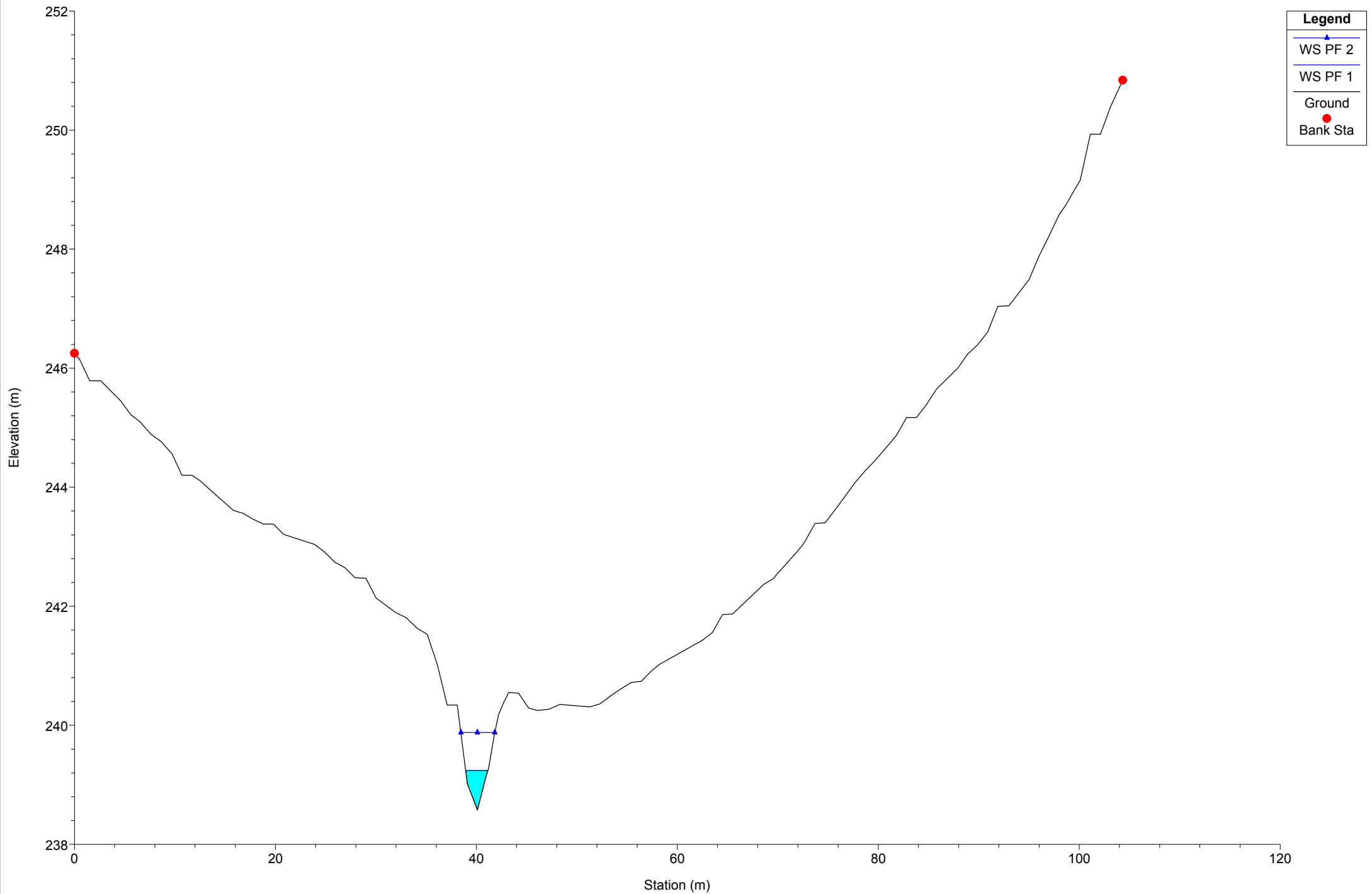




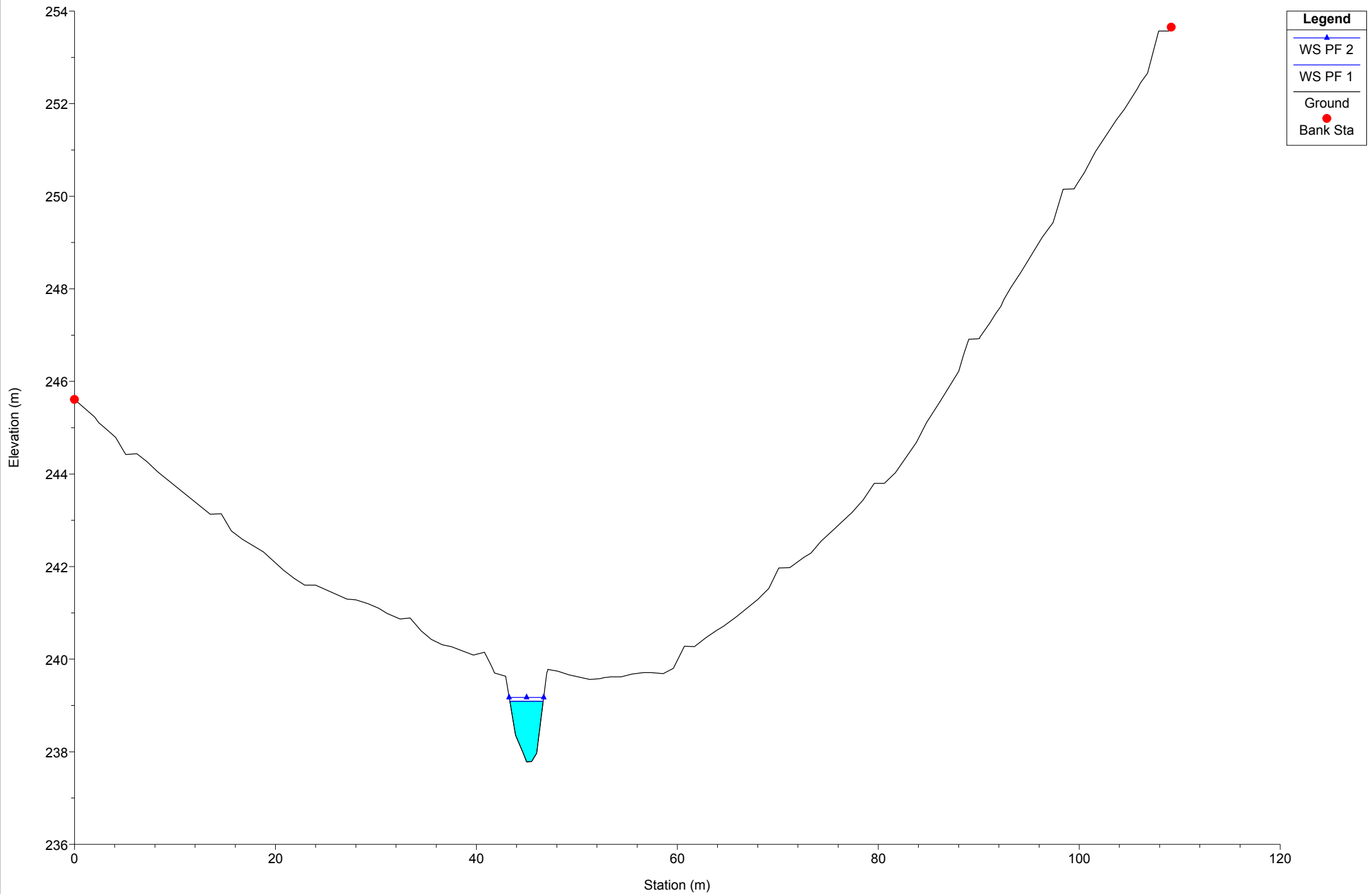
Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

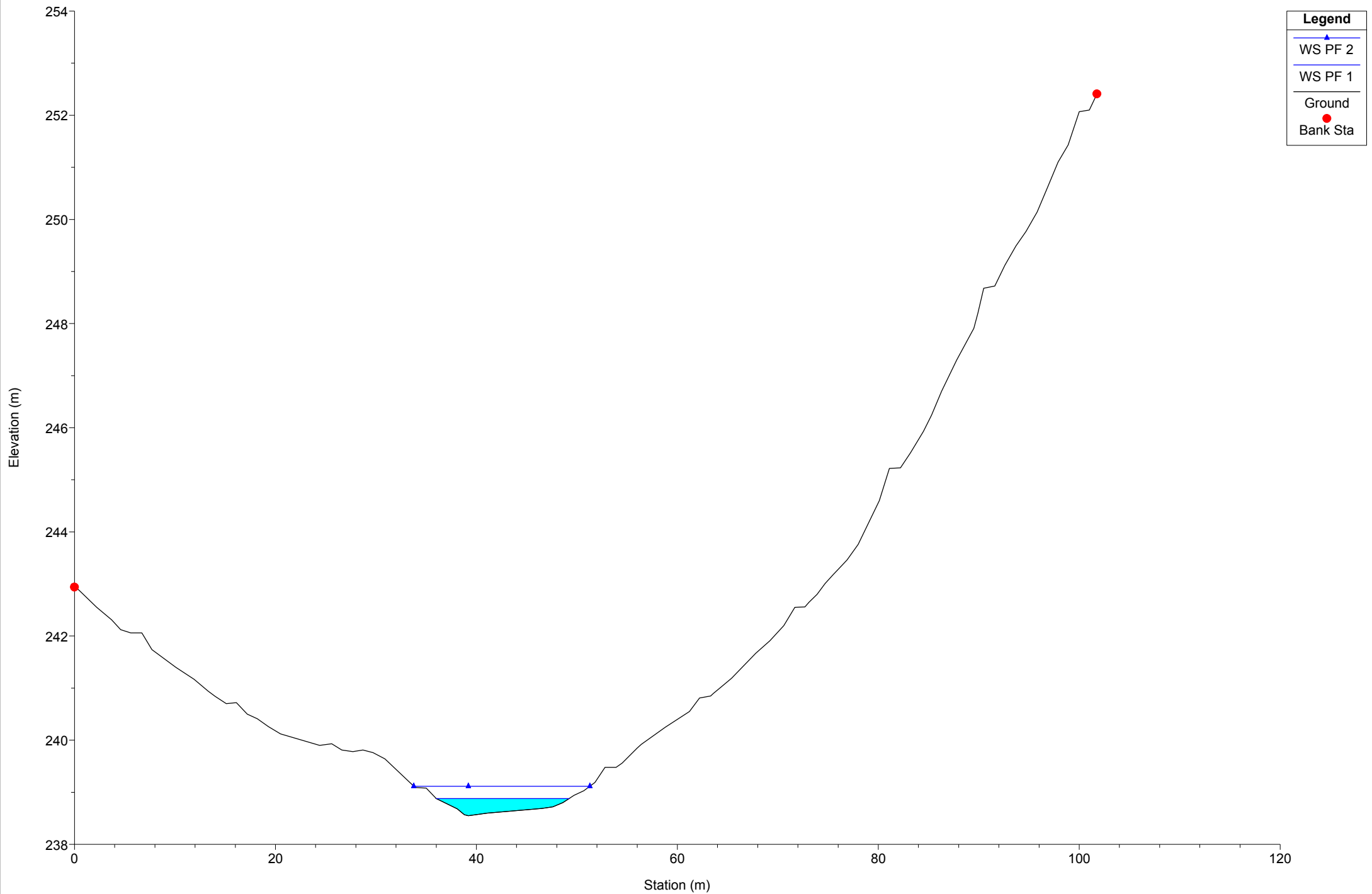


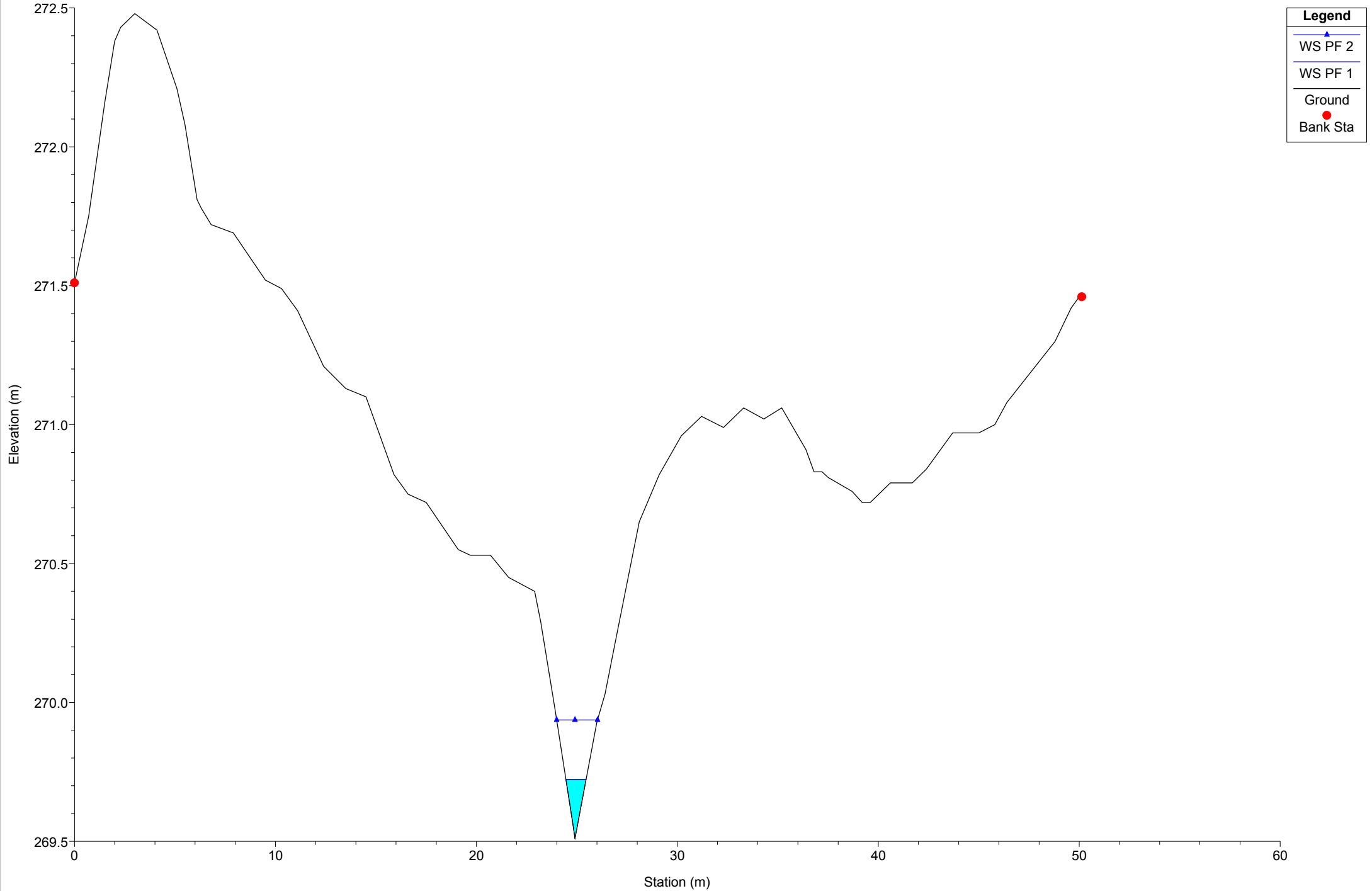


PFV_COMPAGNIA DEL SOLE Plan: Plan 02
River = River 1 Reach = Reach 1-Lower RS = 37



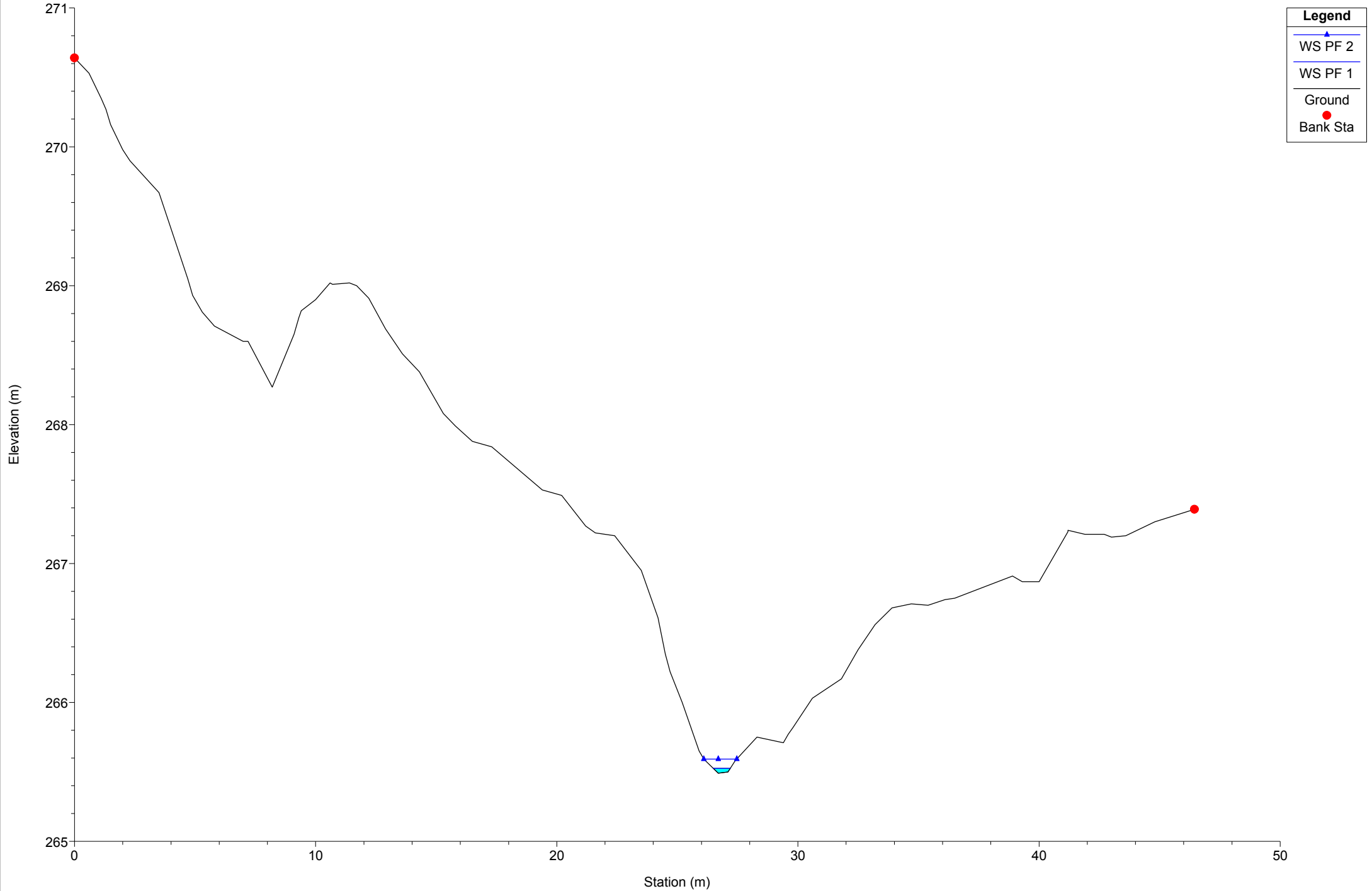
PFV_COMPAGNIA DEL SOLE Plan: Plan 02
River = River 1 Reach = Reach 1-Lower RS = 8

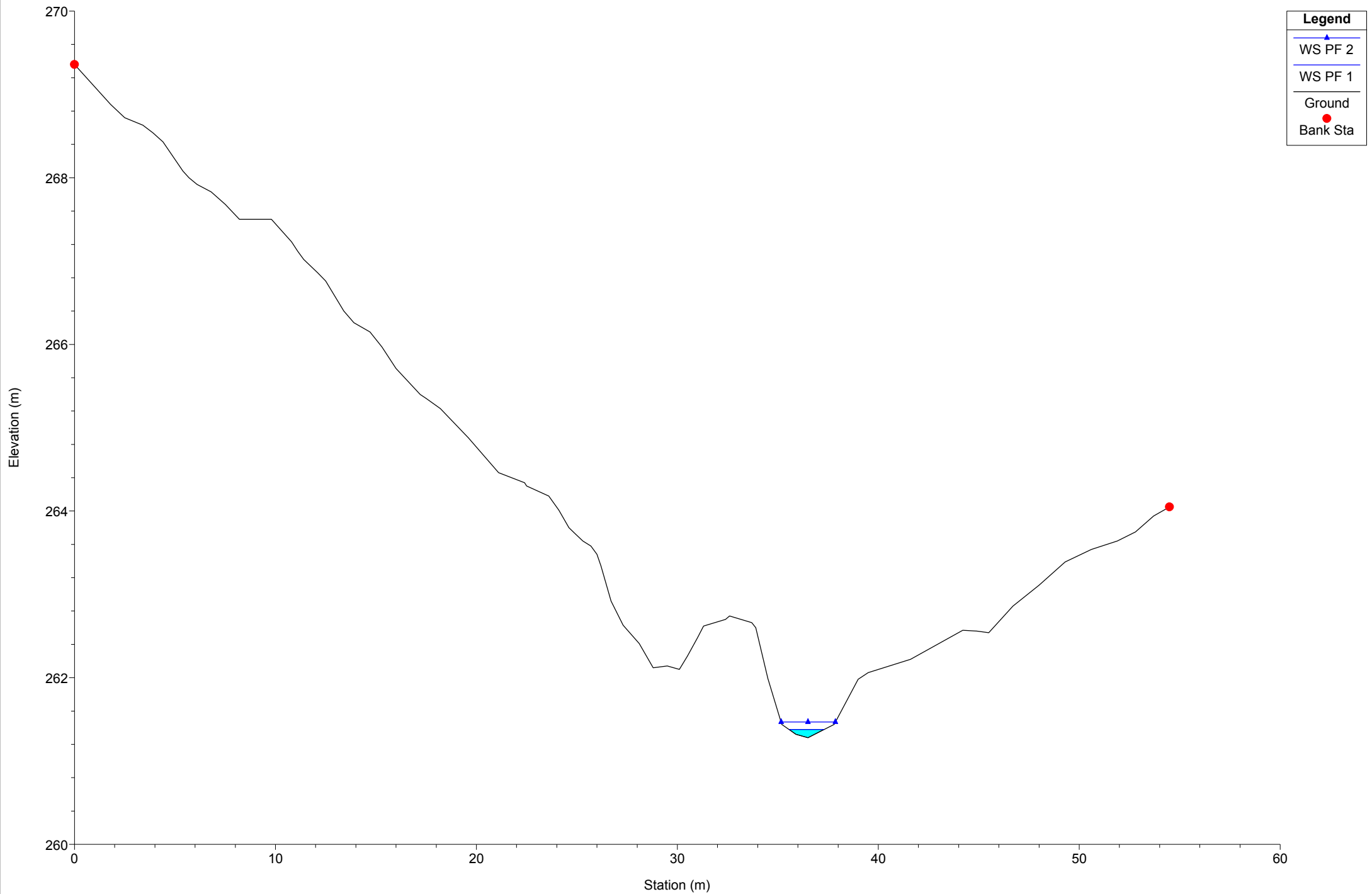


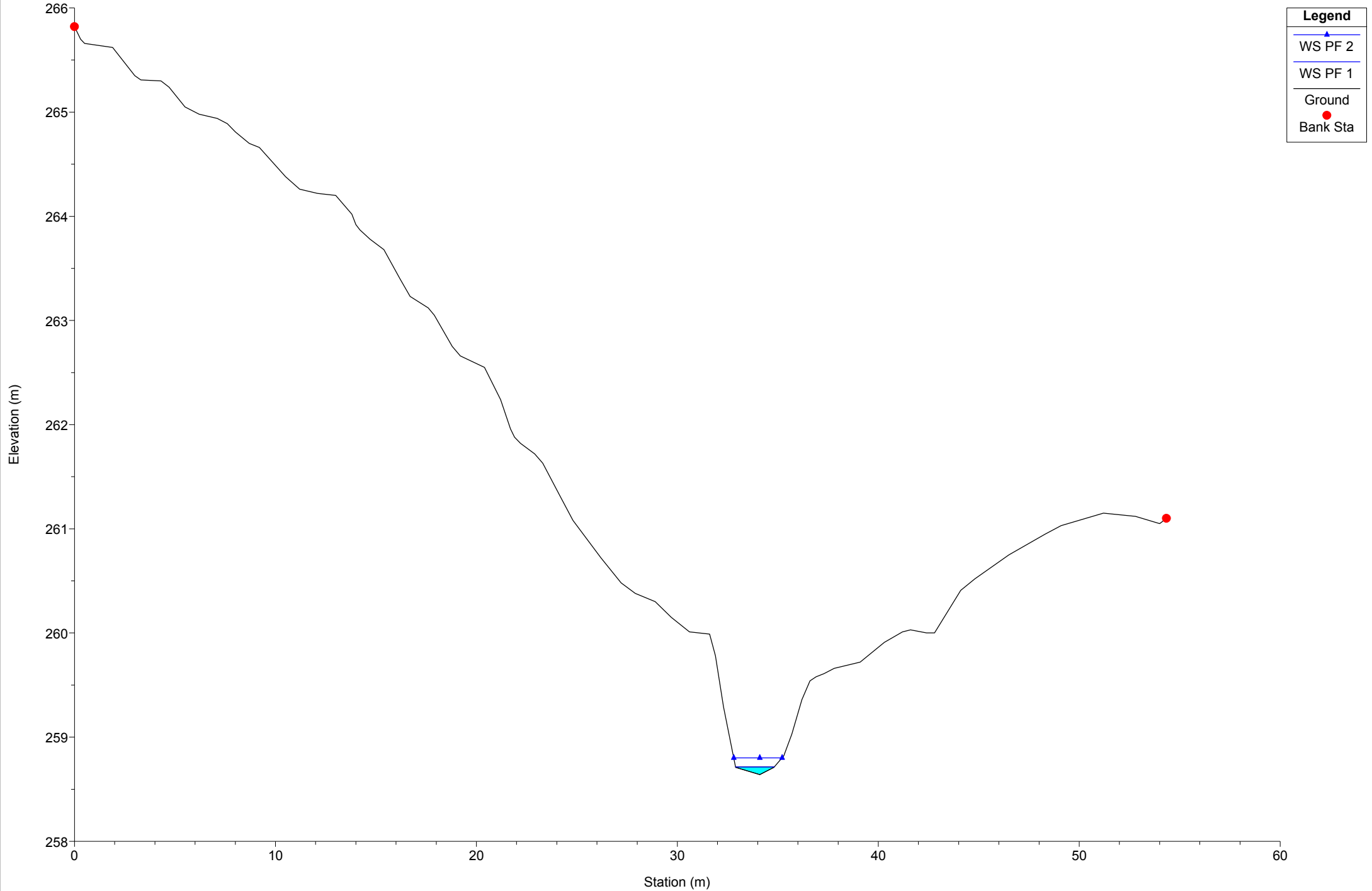


Legend

- WS PF 2 (Blue triangle)
- WS PF 1 (Blue triangle)
- Ground (Black line)
- Bank Sta (Red dot)





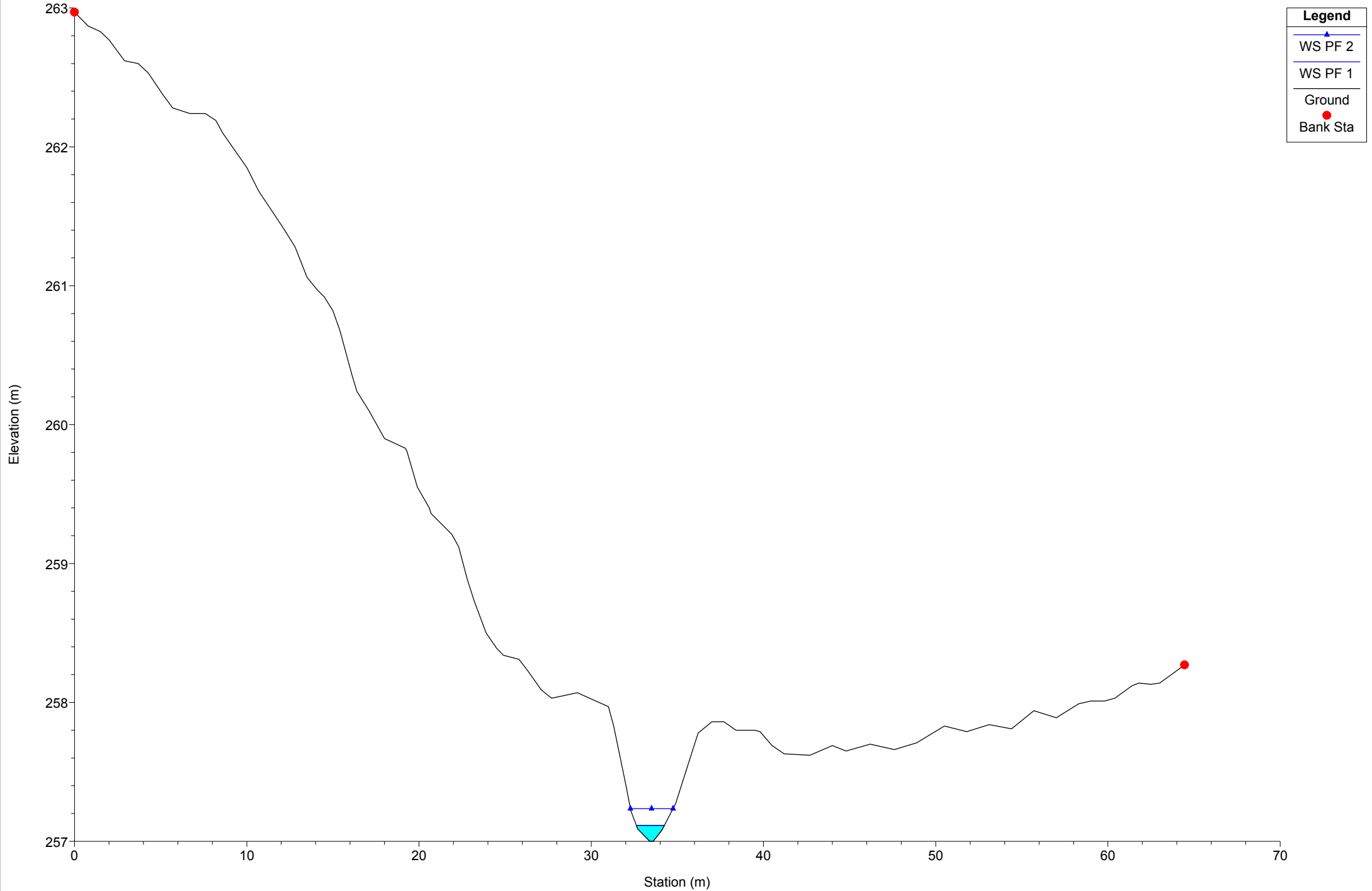


Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

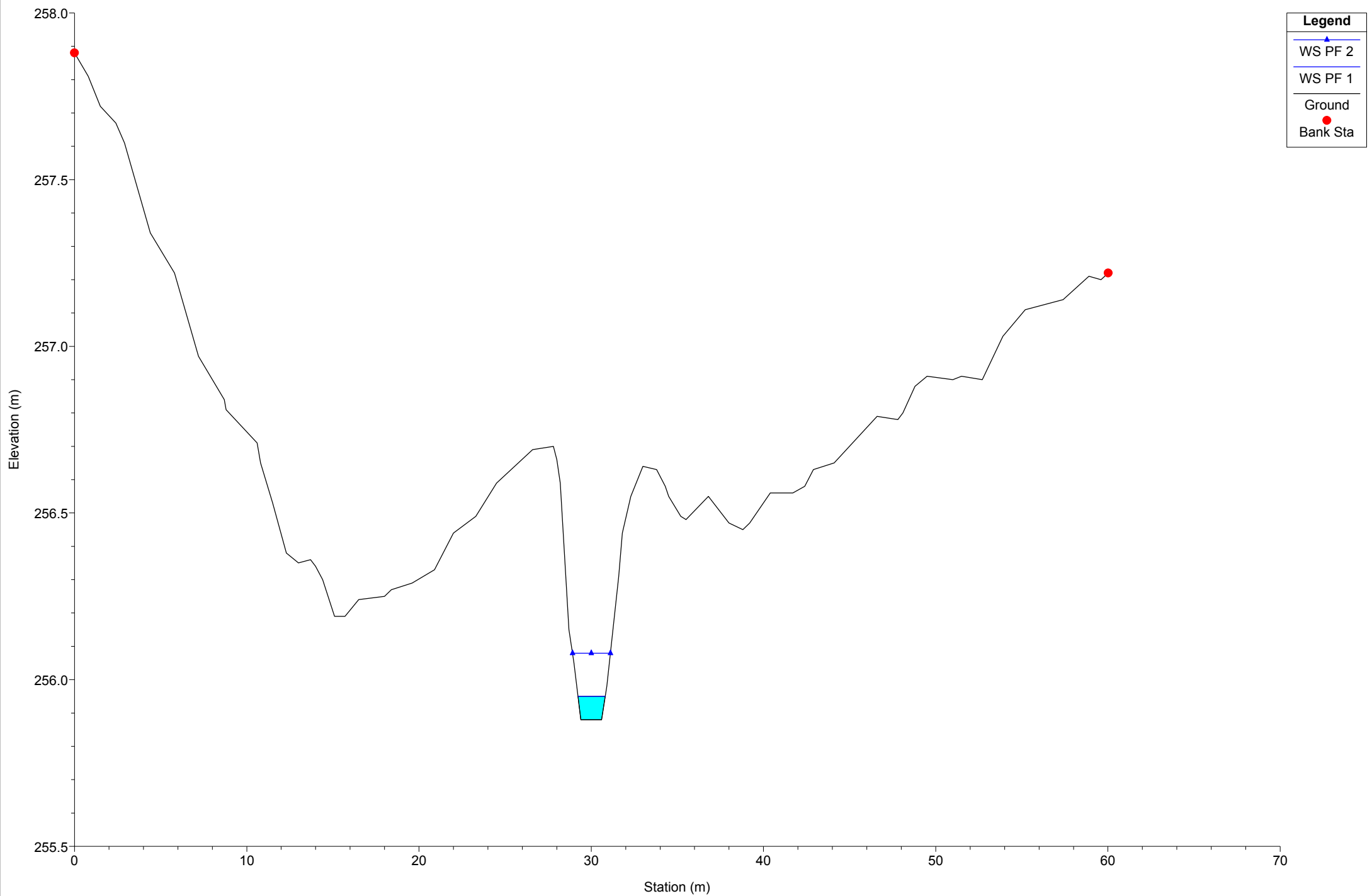
Legend

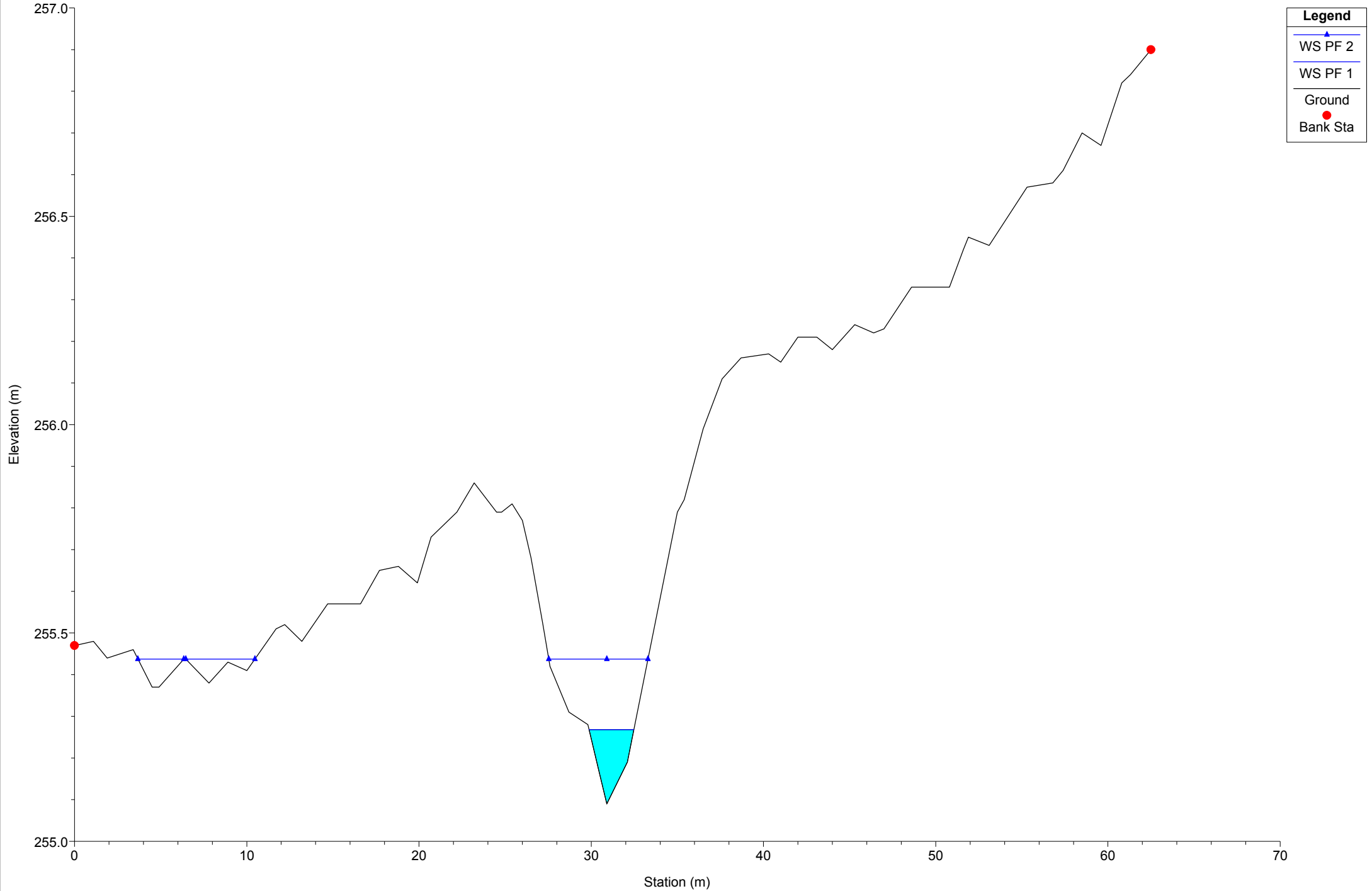
- WS PF 2
- WS PF 1
- Ground
- Bank Sta



Legend

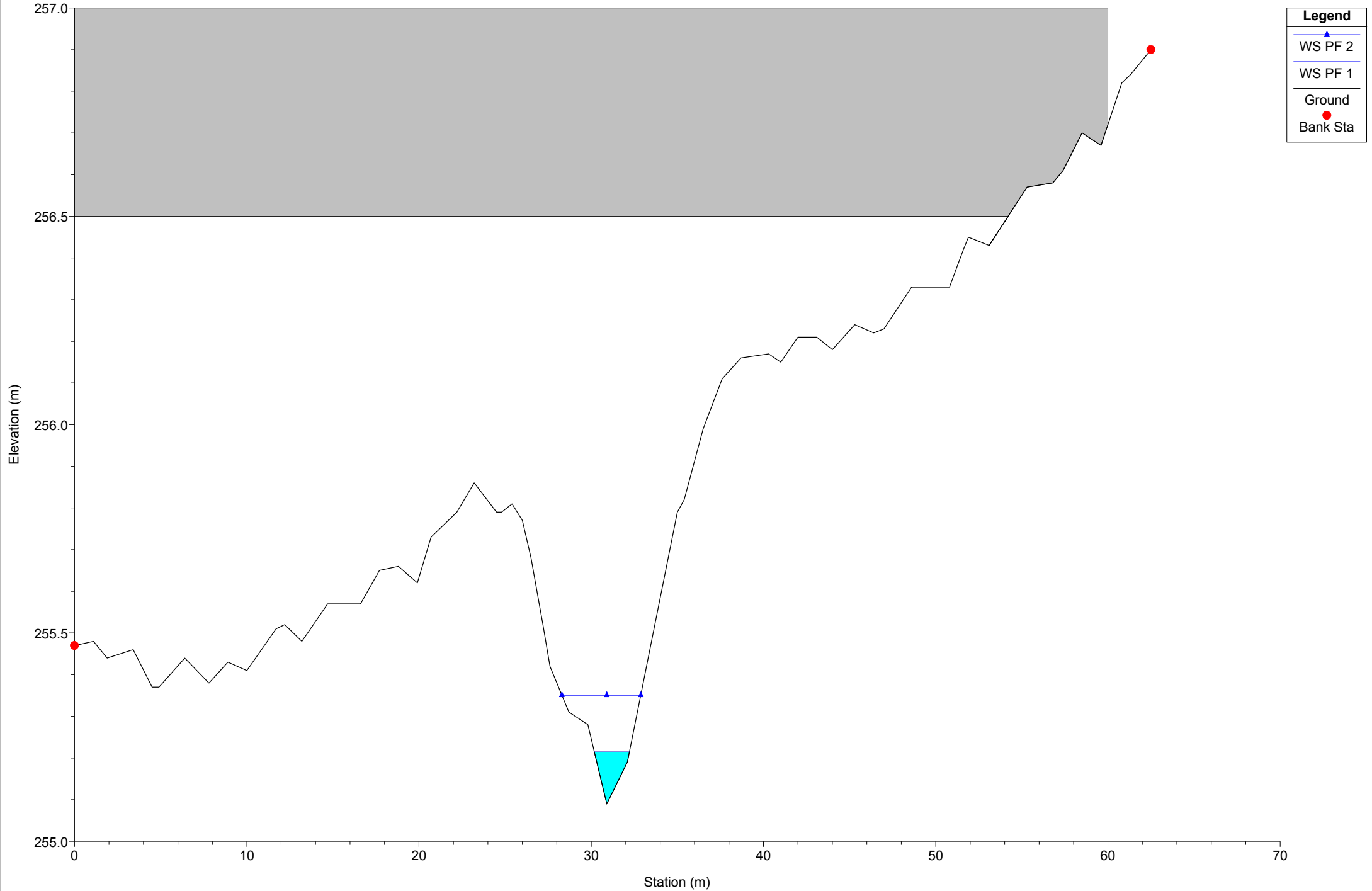
- WS PF 2
- WS PF 1
- Ground
- Bank Sta

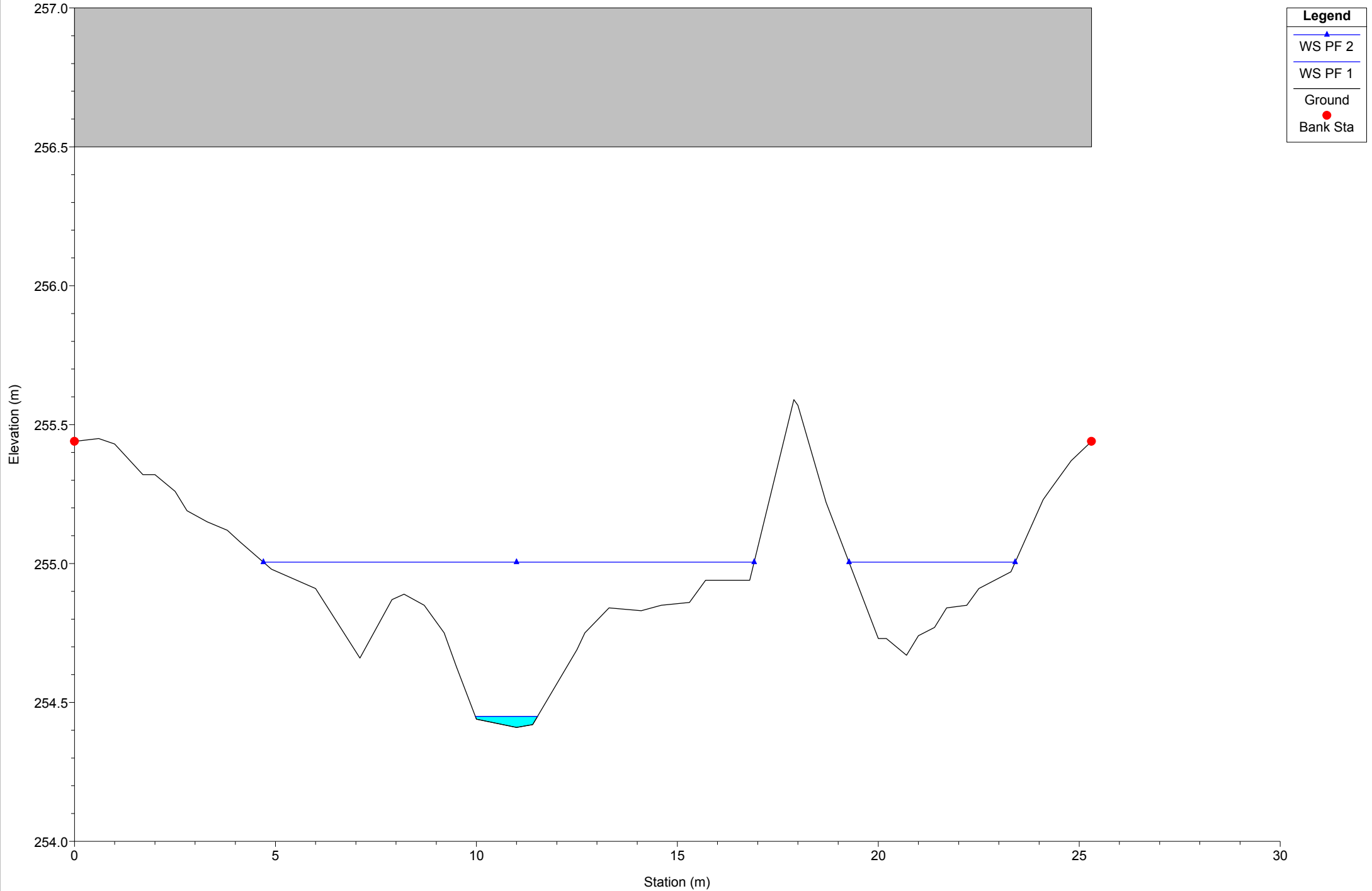




Legend

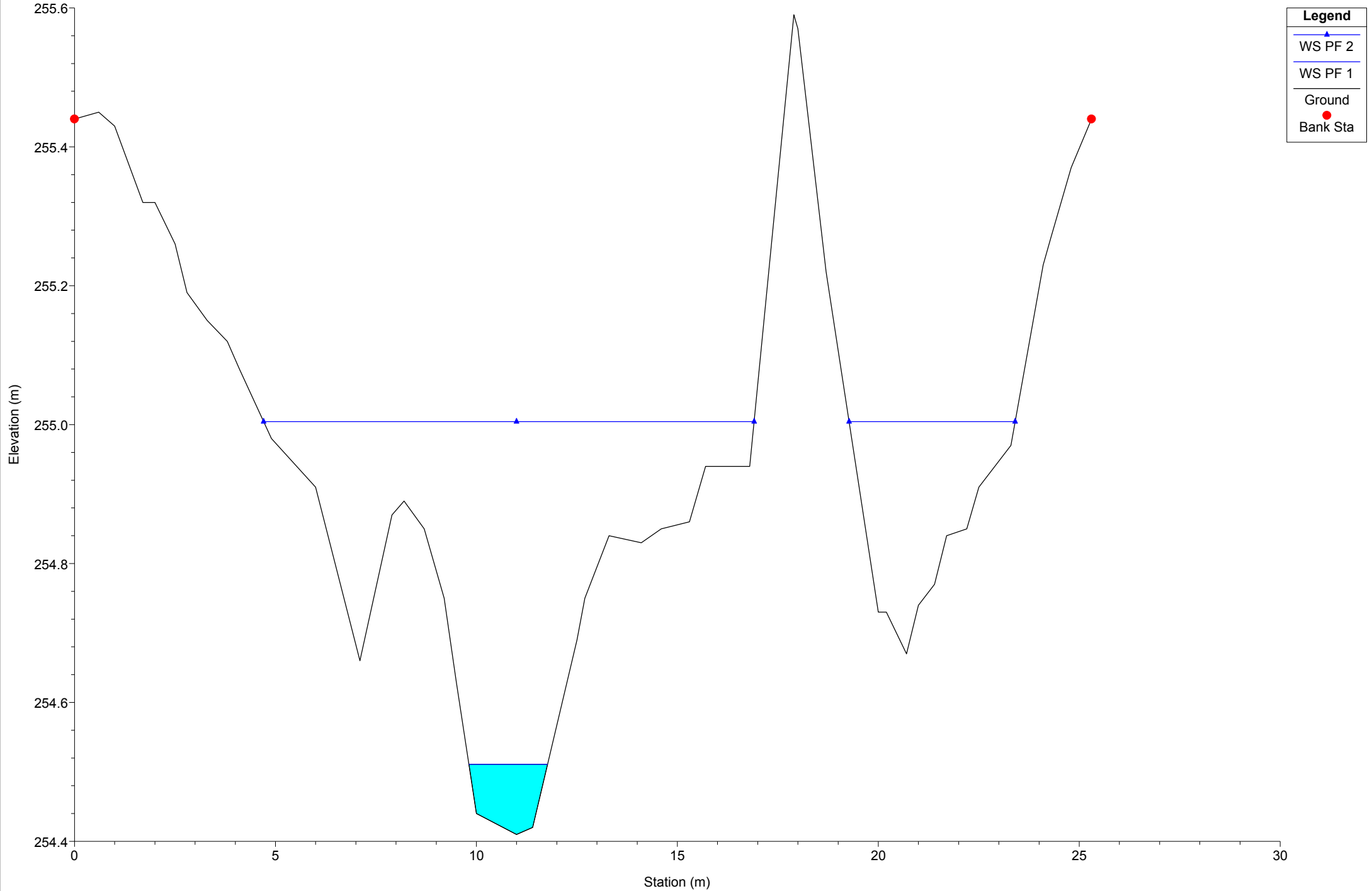
- WS PF 2
- WS PF 1
- Ground
- Bank Sta

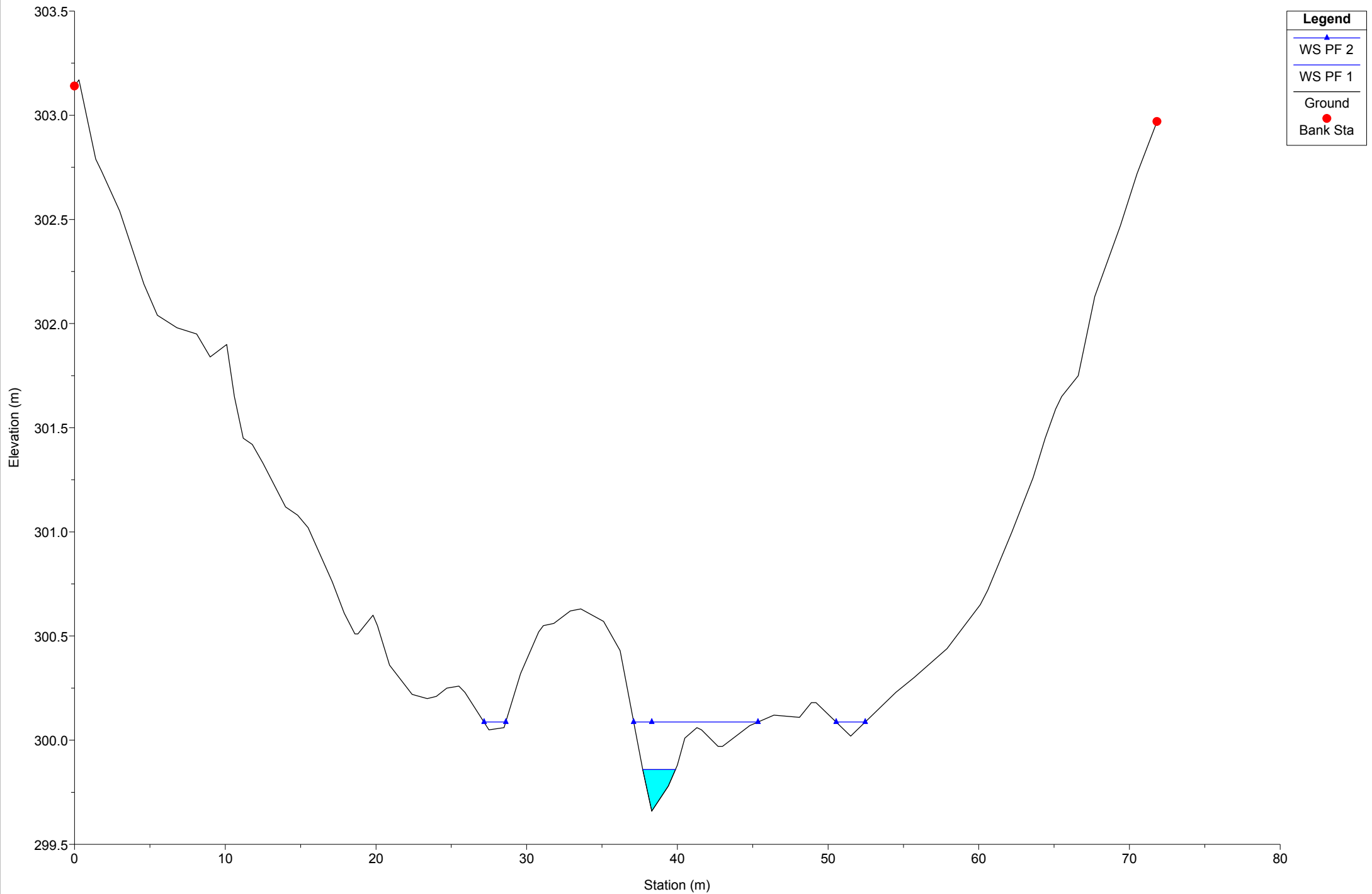


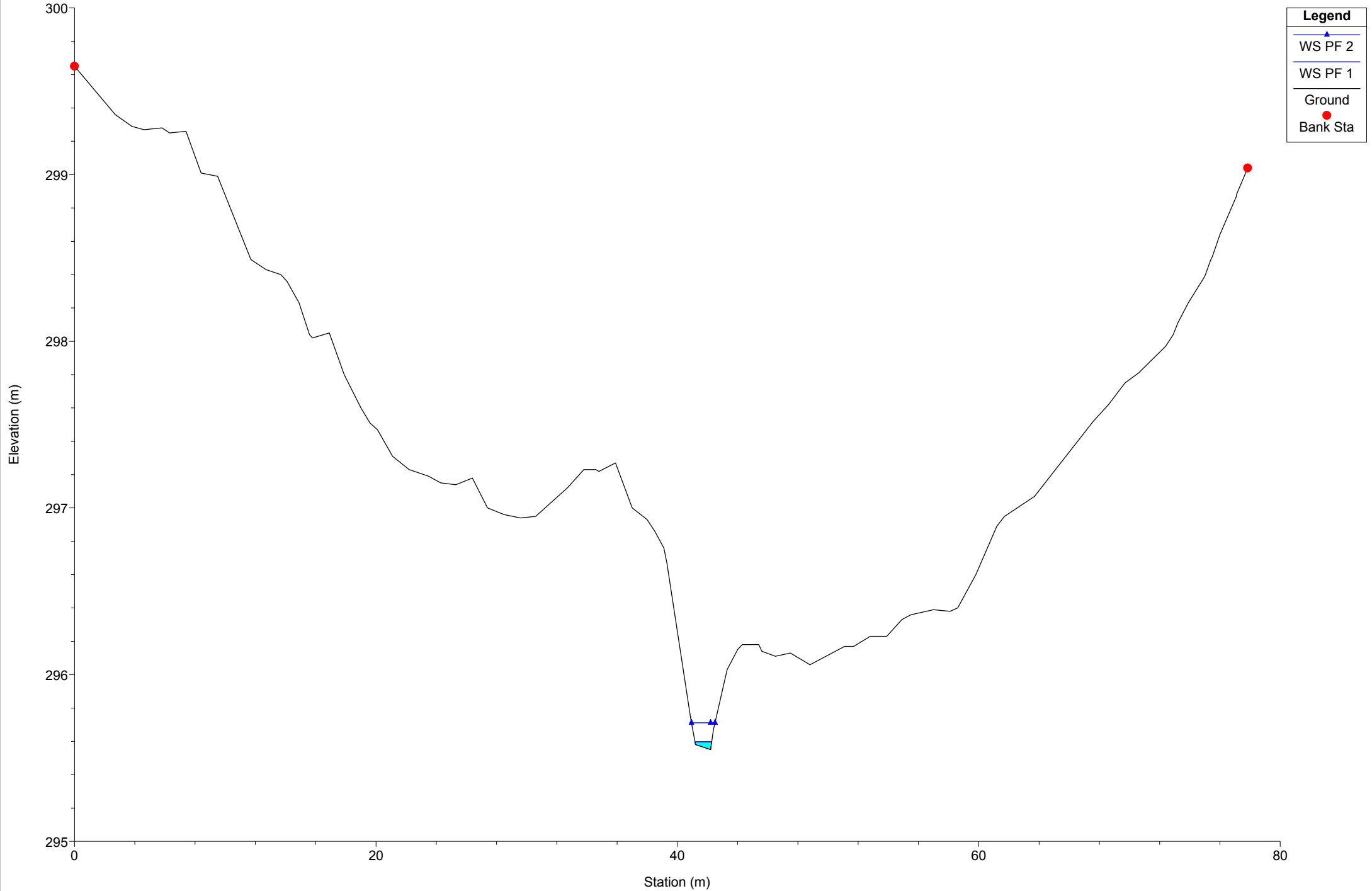


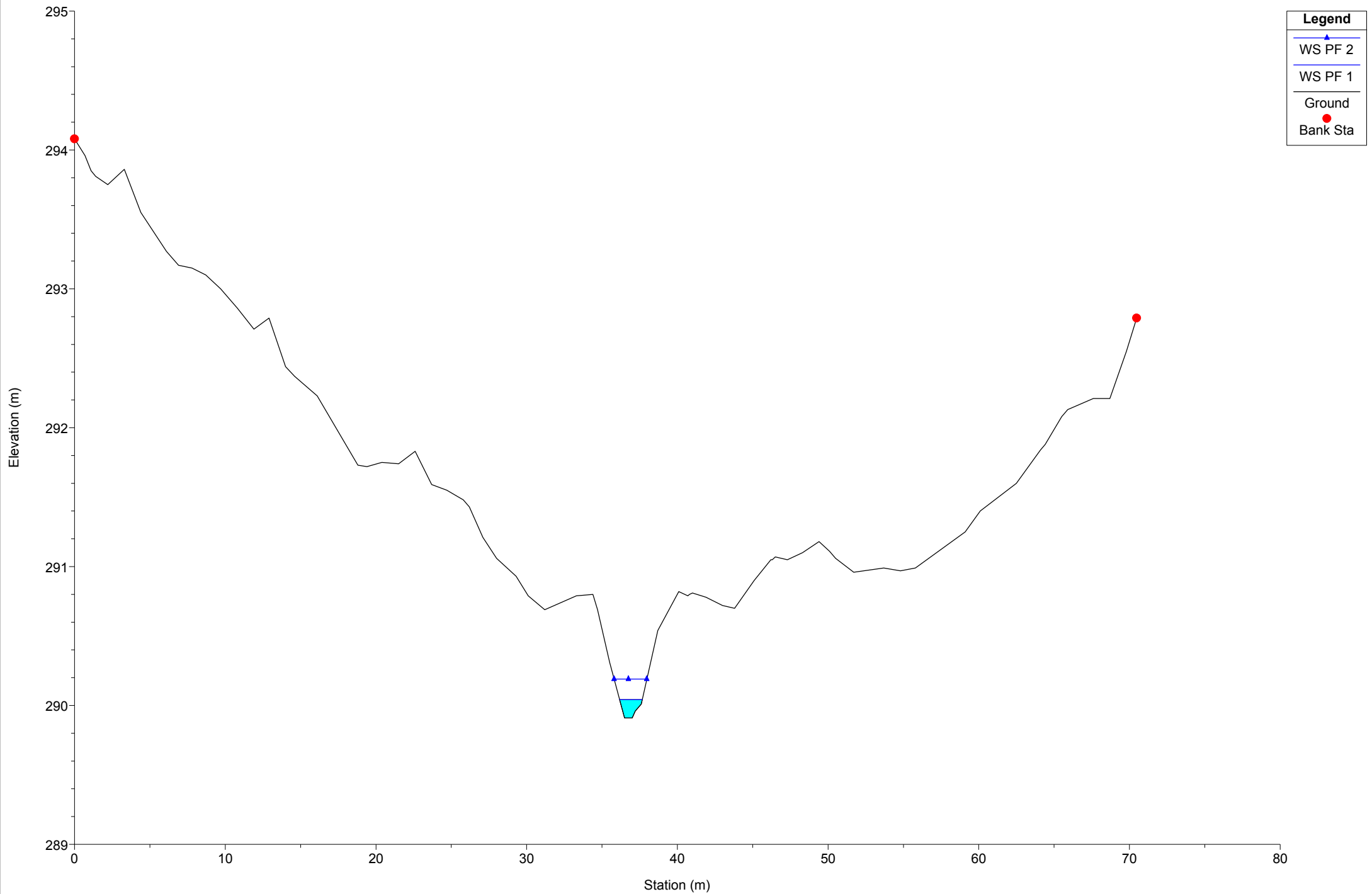
Legend

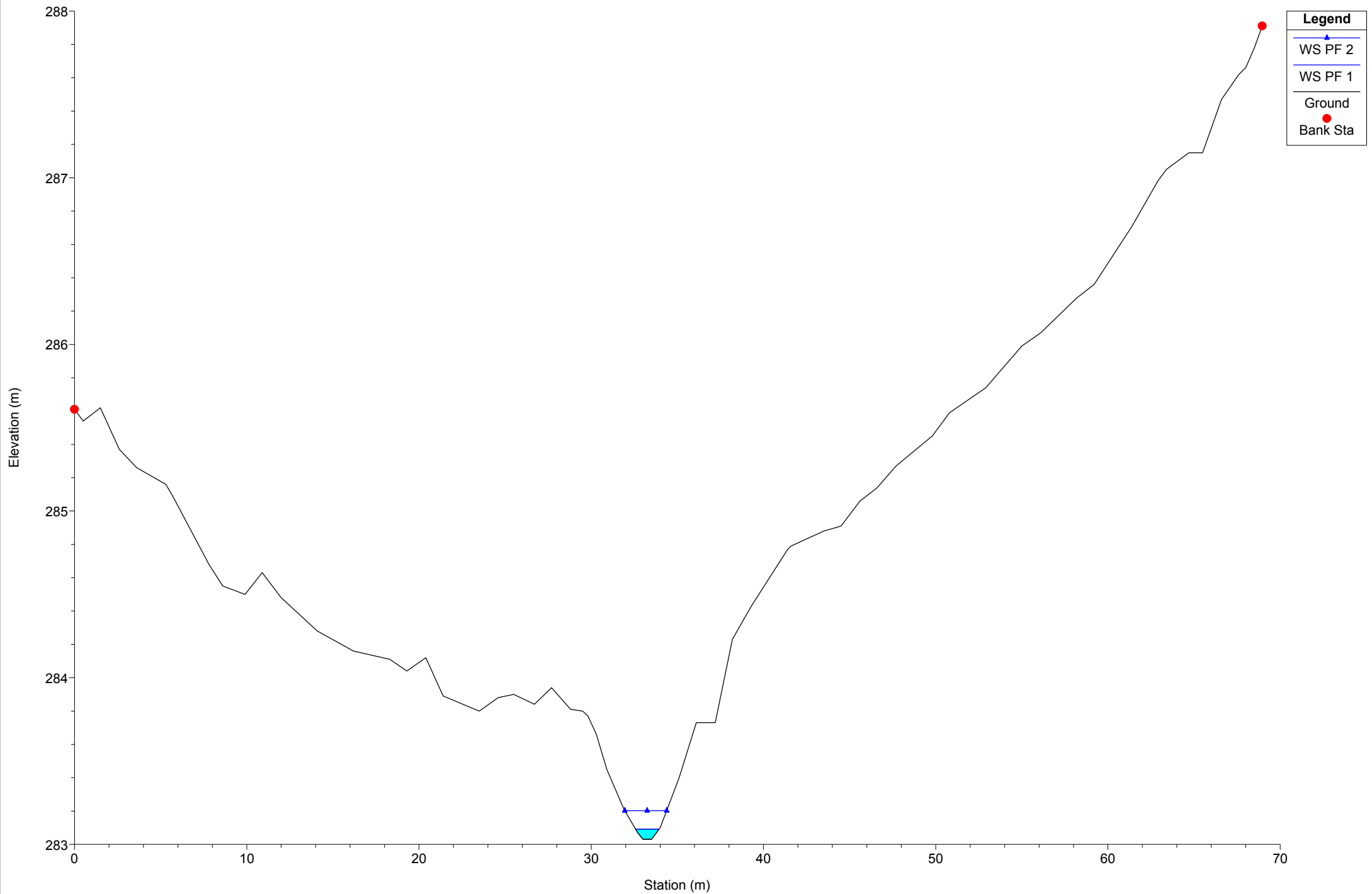
- WS PF 2
- WS PF 1
- Ground
- Bank Sta

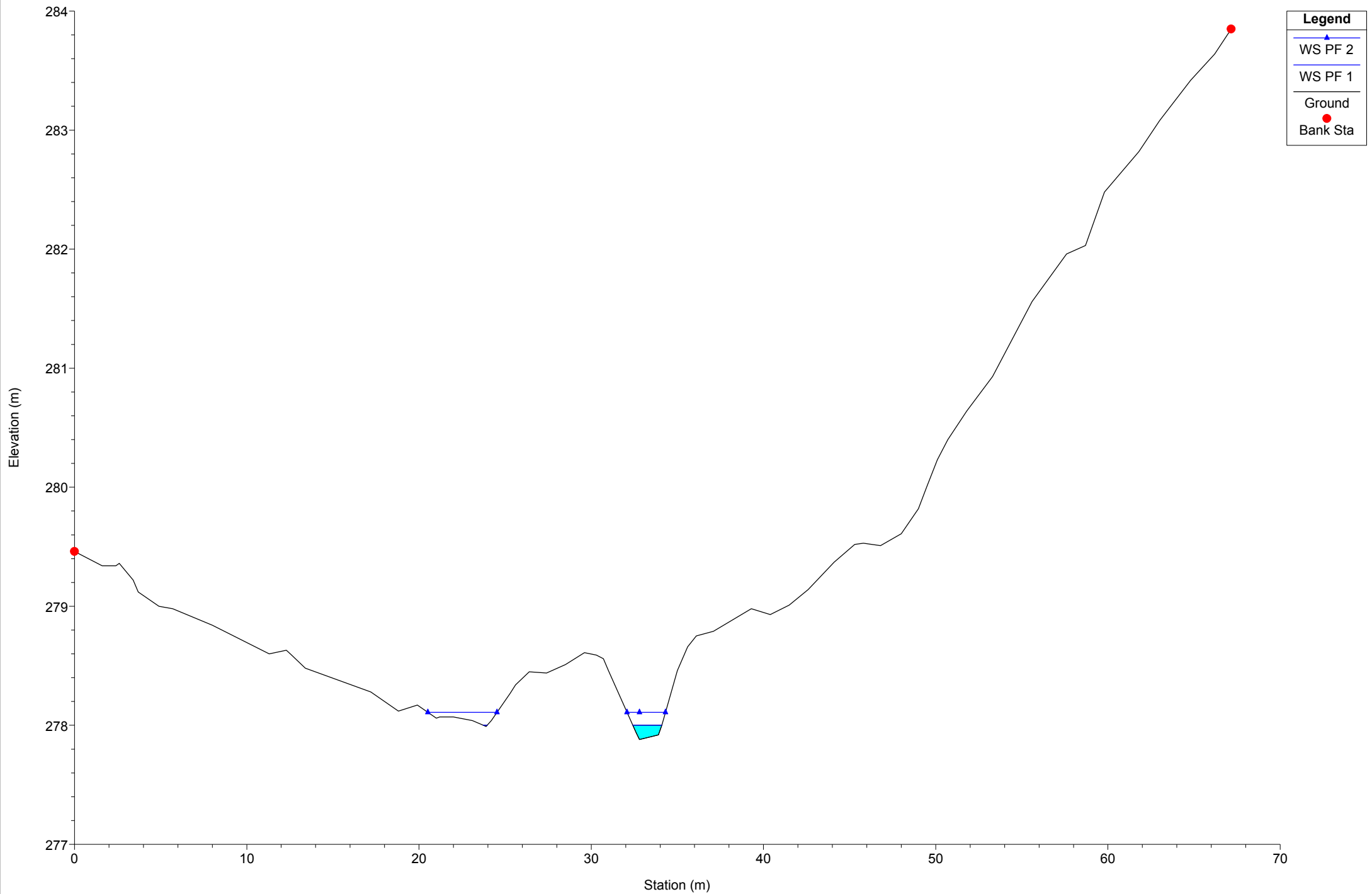


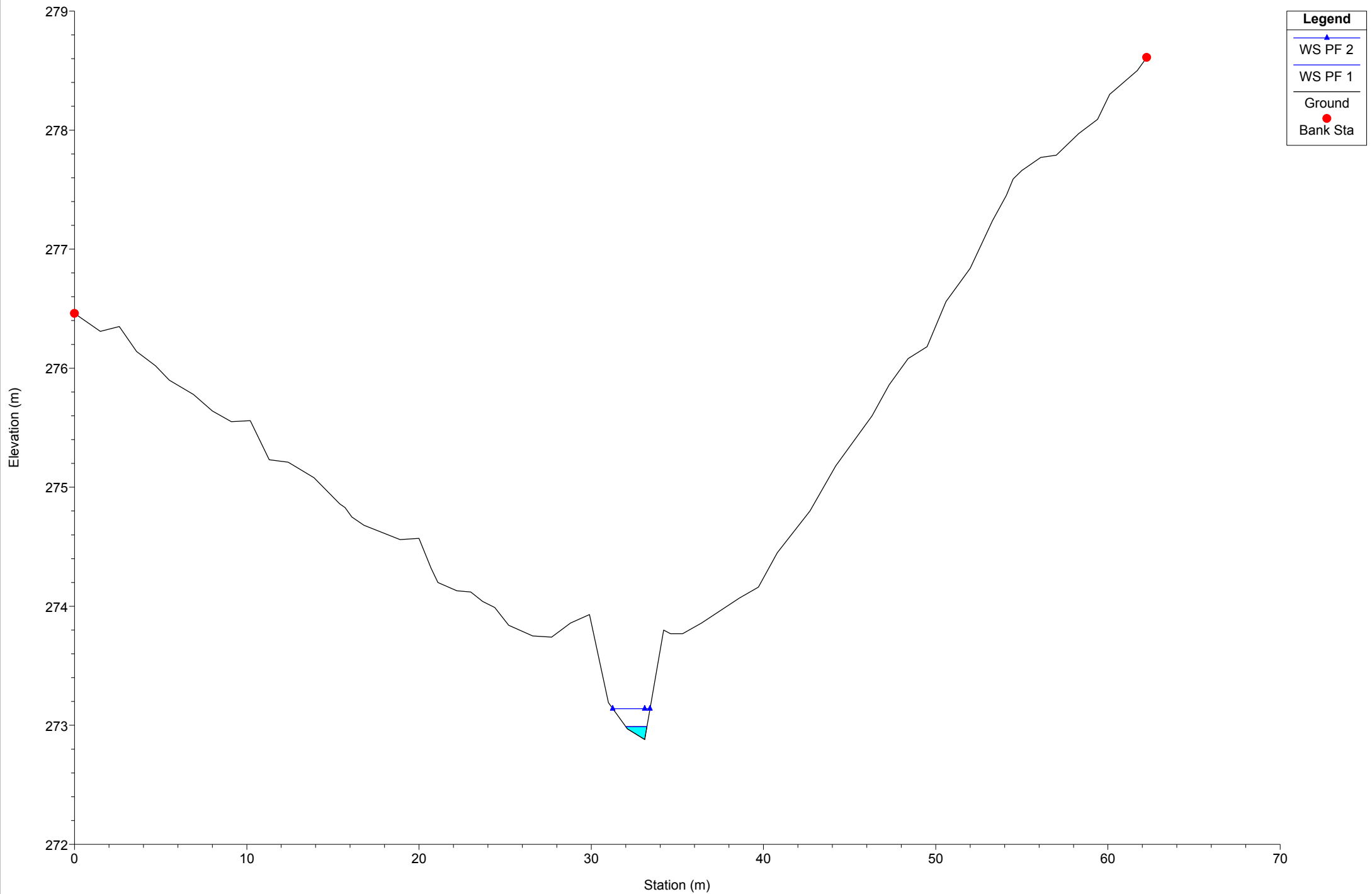






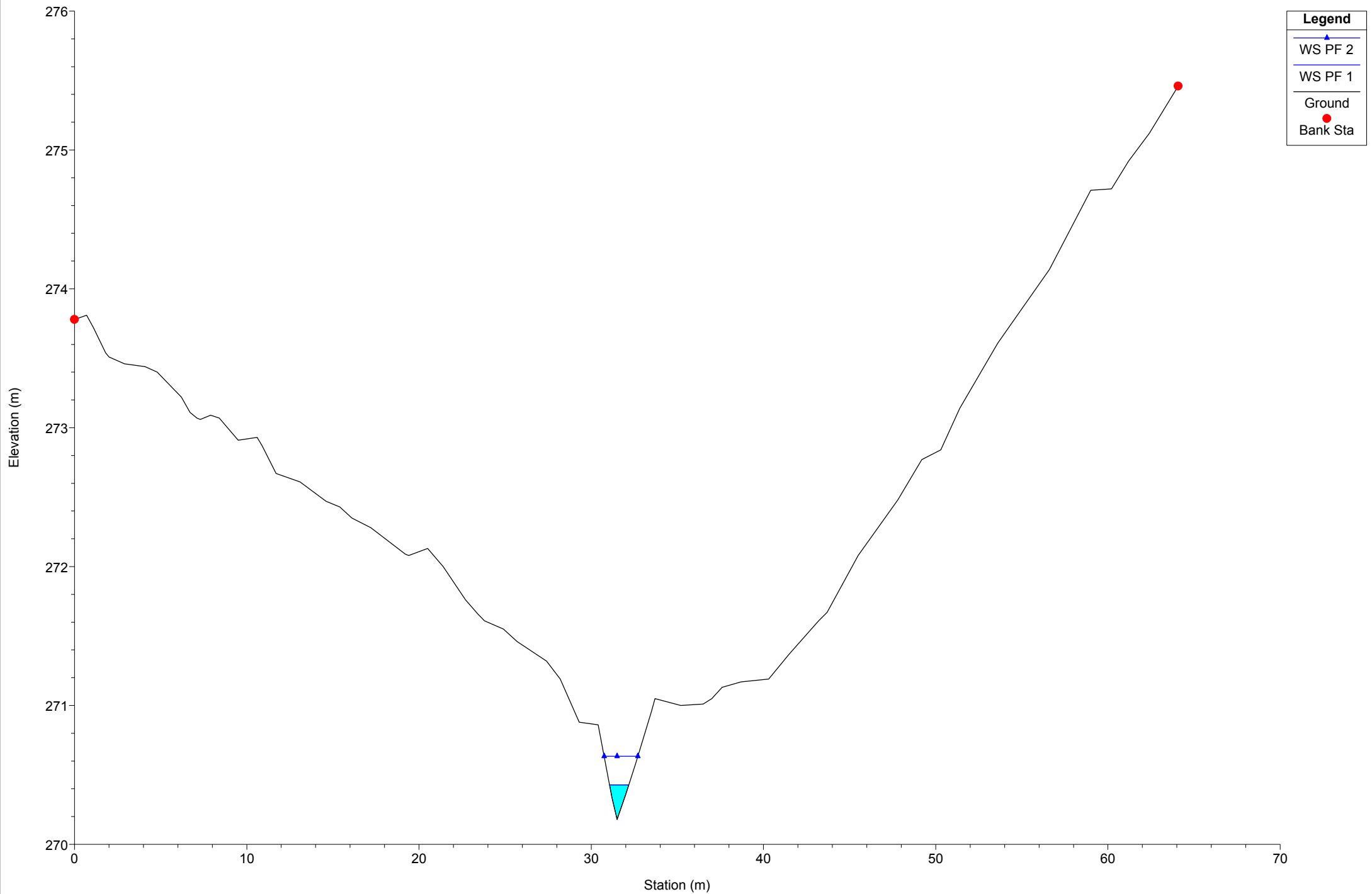


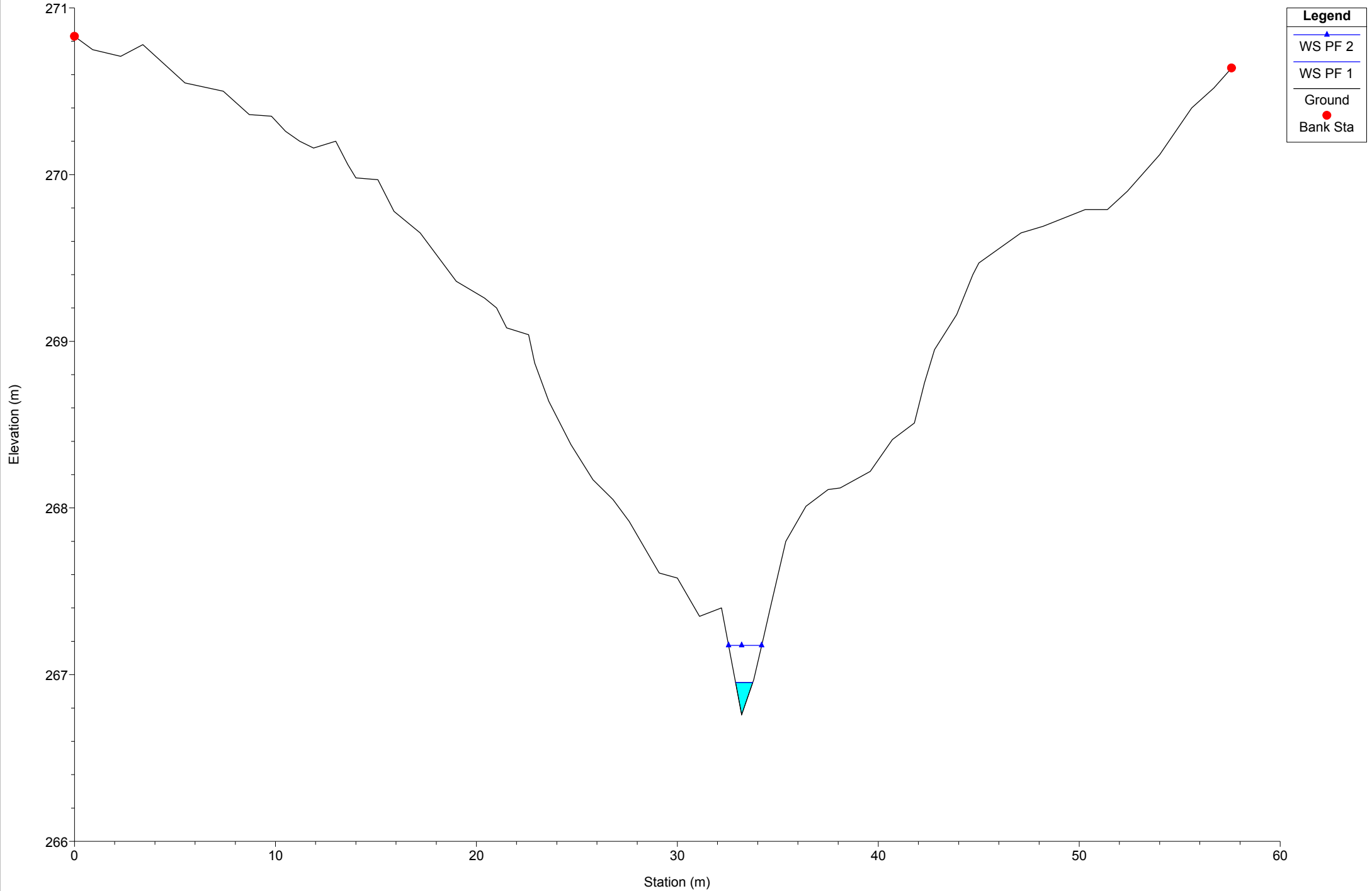


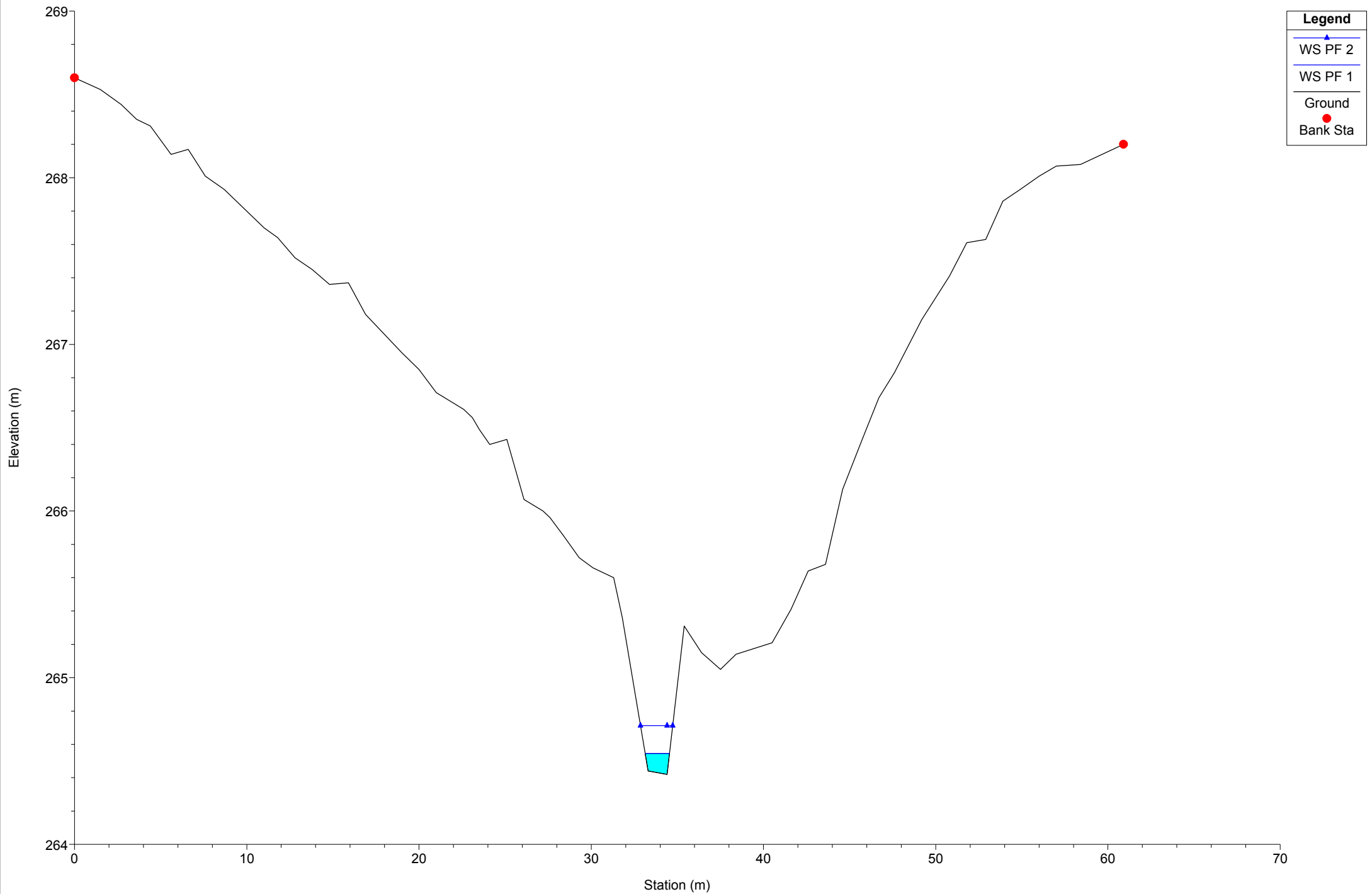


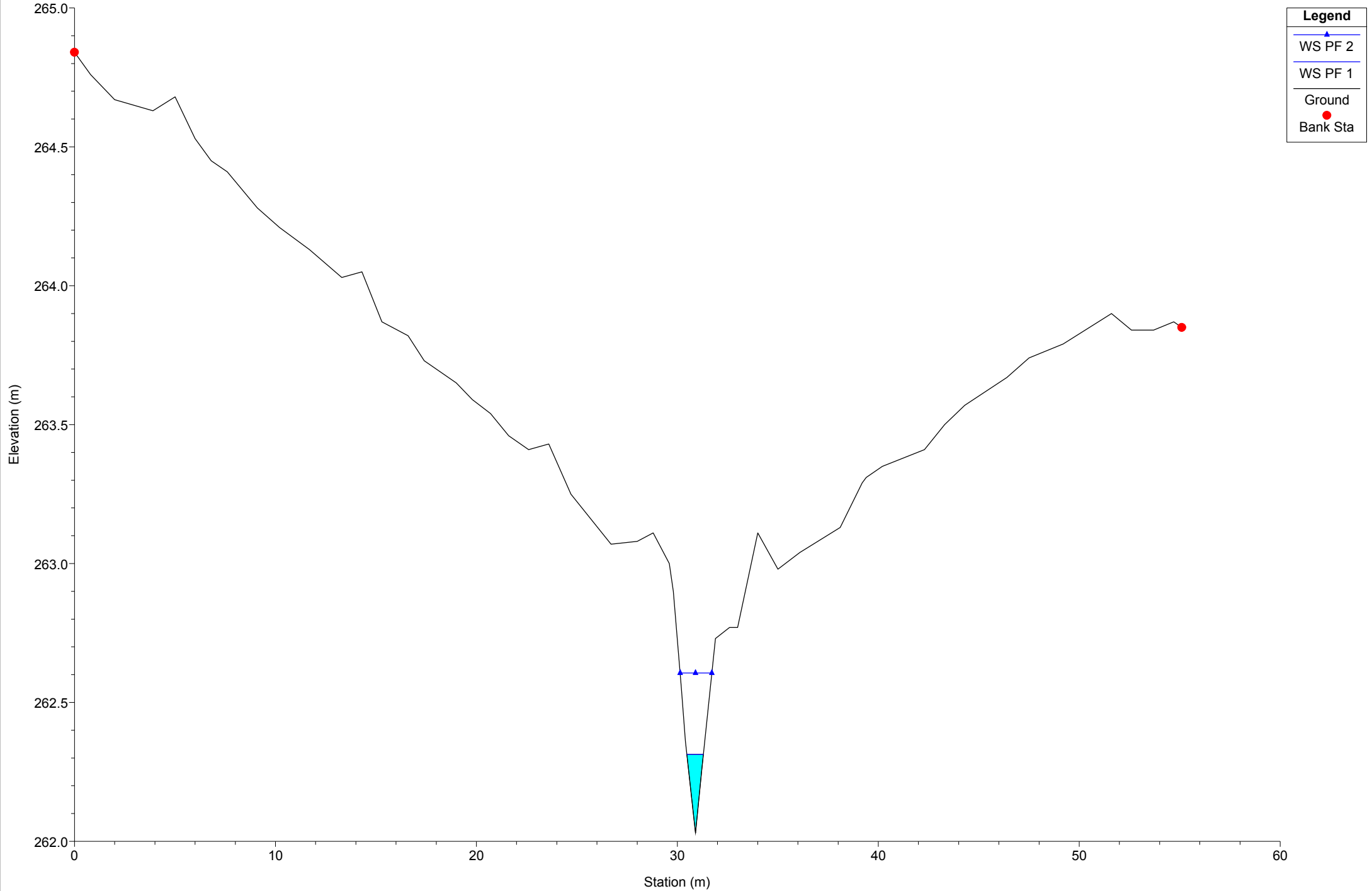
Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta









Legend

- WS PF 2
- WS PF 1
- Ground
- Bank Sta

