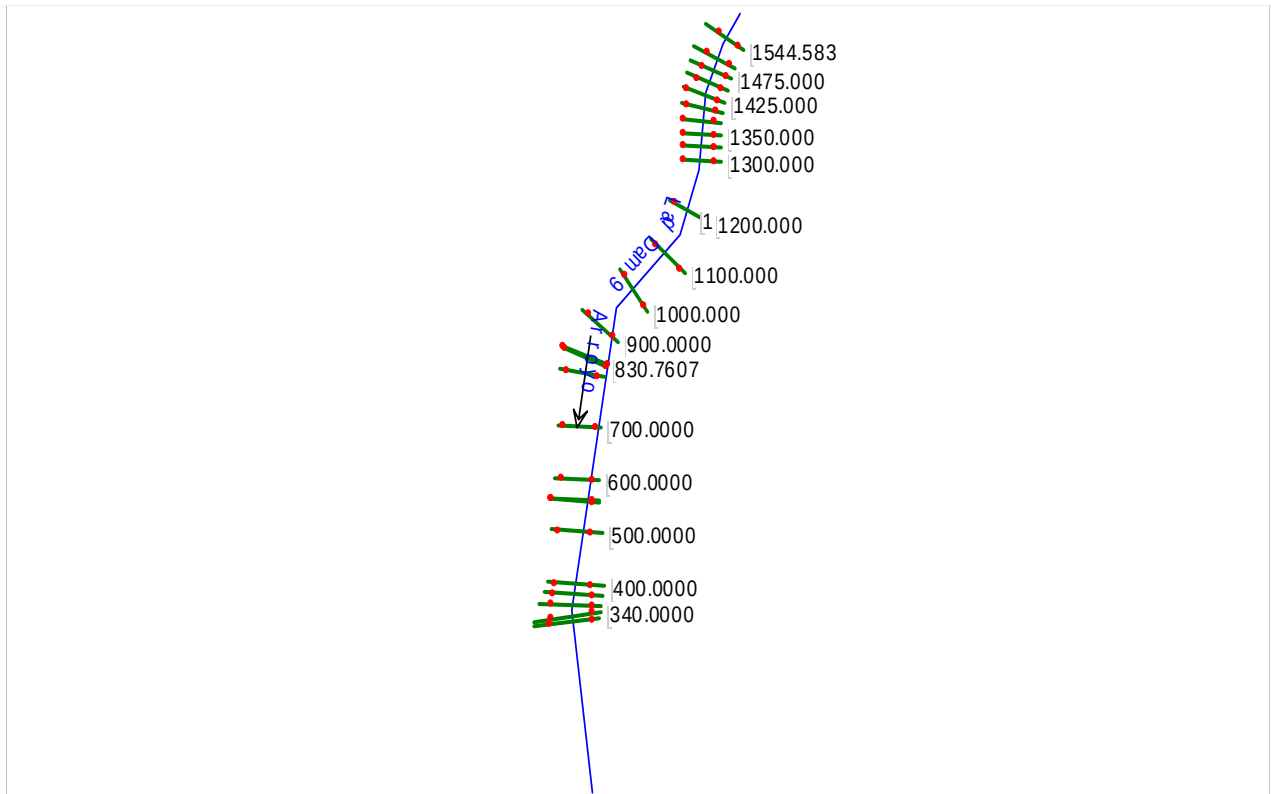


HEC-RAS Geometry for Dam 9 Diversion Channel



HEC-RAS Plan: Dam 9 Div River: Lad Dam 9 Arroyo Reach: 1 Profile: 100-Yr

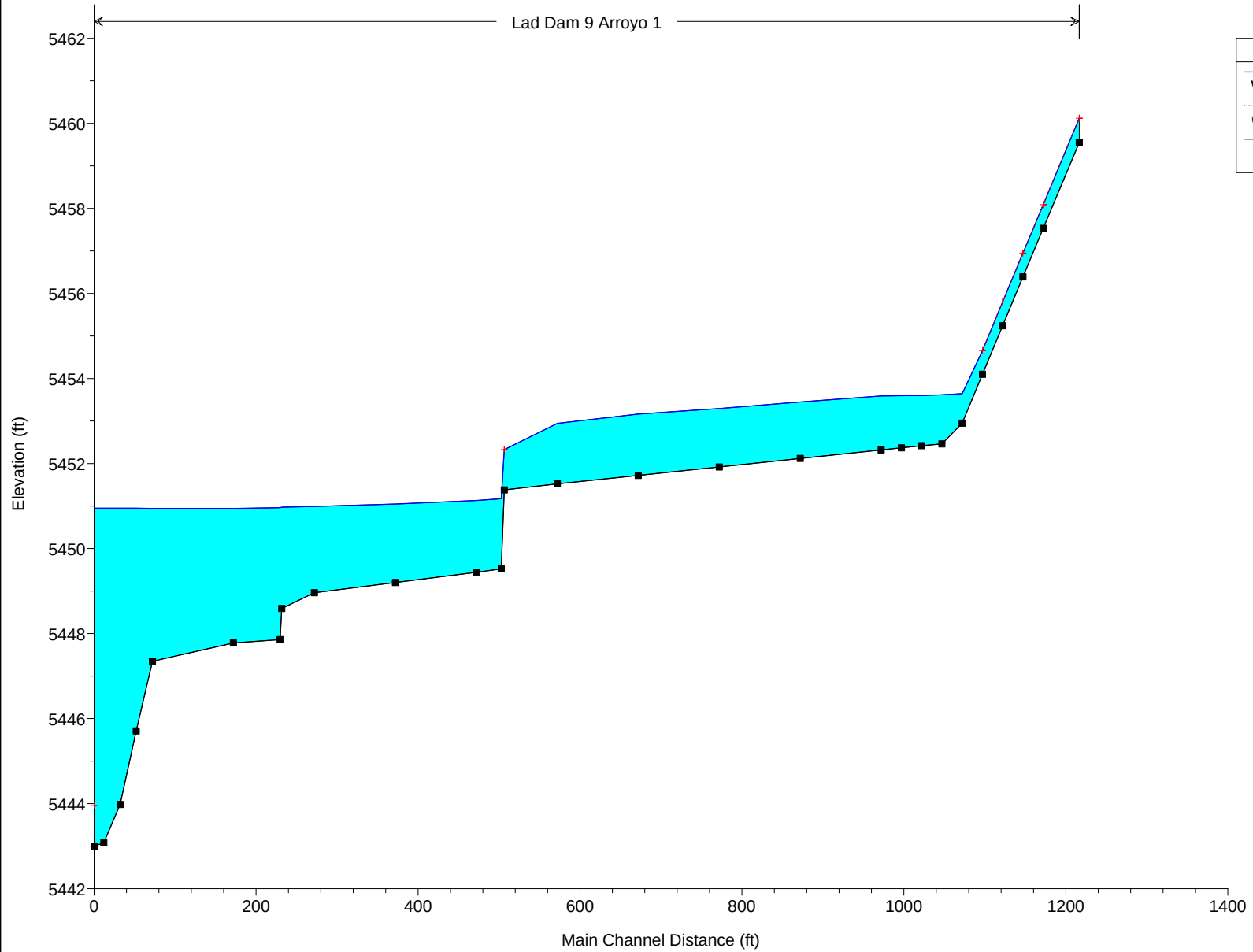
Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	1544.583	100-Yr	25.00	5459.55	5460.13	5460.12	5460.27	0.045651	3.06	8.17	28.51	1.01
1	1500.000	100-Yr	25.00	5457.53	5458.09	5458.09	5458.23	0.046018	3.02	8.28	29.61	1.01
1	1475.000	100-Yr	25.00	5456.39	5456.95	5456.95	5457.09	0.045644	3.01	8.30	29.65	1.00
1	1450.000	100-Yr	25.00	5455.24	5455.80	5455.80	5455.94	0.044018	2.97	8.42	29.87	0.99
1	1425.000	100-Yr	25.00	5454.10	5454.66	5454.66	5454.80	0.047587	3.06	8.17	29.43	1.02
1	1400.000	100-Yr	25.00	5452.95	5453.64		5453.70	0.013181	2.00	12.50	32.47	0.57
1	1375.000	100-Yr	25.00	5452.46	5453.62		5453.63	0.000988	0.87	28.64	36.89	0.17
1	1350.000	100-Yr	25.00	5452.42	5453.60		5453.61	0.000353	0.79	31.73	40.61	0.16
1	1325.000	100-Yr	25.00	5452.37	5453.60		5453.60	0.000301	0.75	33.47	41.13	0.15
1	1300.000	100-Yr	25.00	5452.32	5453.59		5453.60	0.000257	0.71	35.26	41.63	0.14
1	1200.000	100-Yr	72.00	5452.12	5453.45		5453.51	0.001738	1.91	37.75	42.34	0.36
1	1100.000	100-Yr	72.00	5451.92	5453.29		5453.34	0.001505	1.82	39.61	42.87	0.33
1	1000.000	100-Yr	72.00	5451.72	5453.16		5453.21	0.001208	1.69	42.65	43.71	0.30
1	900.0000	100-Yr	98.00	5451.52	5452.94		5453.03	0.002366	2.34	41.86	43.49	0.42
1	834.5011	100-Yr	98.00	5451.38	5452.33	5452.33	5452.62	0.035629	4.34	22.60	38.84	1.00
1	830.7607	100-Yr	98.00	5449.52	5451.17		5451.24	0.003124	2.09	46.87	38.44	0.33
1	800.0000	100-Yr	98.00	5449.44	5451.13		5451.18	0.001125	1.82	53.82	46.68	0.30
1	700.0000	100-Yr	98.00	5449.20	5451.05		5451.09	0.000771	1.60	61.26	48.55	0.25
1	600.0000	100-Yr	98.00	5448.96	5450.99		5451.02	0.000514	1.39	70.41	50.76	0.21
1	559.7274	100-Yr	98.00	5448.59	5450.98		5450.99	0.000729	1.06	92.36	70.84	0.16
1	557.7418	100-Yr	160.00	5447.86	5450.96		5450.99	0.000689	1.32	121.07	63.72	0.17
1	500.0000	100-Yr	160.00	5447.78	5450.94		5450.97	0.000227	1.23	129.95	60.86	0.15
1	400.0000	100-Yr	160.00	5447.35	5450.94		5450.96	0.000032	1.00	160.49	67.96	0.11
1	380.0000	100-Yr	160.00	5445.71	5450.95		5450.95	0.000036	0.59	270.91	76.31	0.06
1	360.0000	100-Yr	169.00	5443.98	5450.95		5450.95	0.000013	0.42	399.89	84.17	0.03
1	340.0000	100-Yr	169.00	5443.08	5450.95		5450.95	0.000009	0.38	440.42	82.68	0.03
1	328.0238	100-Yr	169.00	5443.00	5450.95	5443.95	5450.95	0.000009	0.39	435.40	79.36	0.03

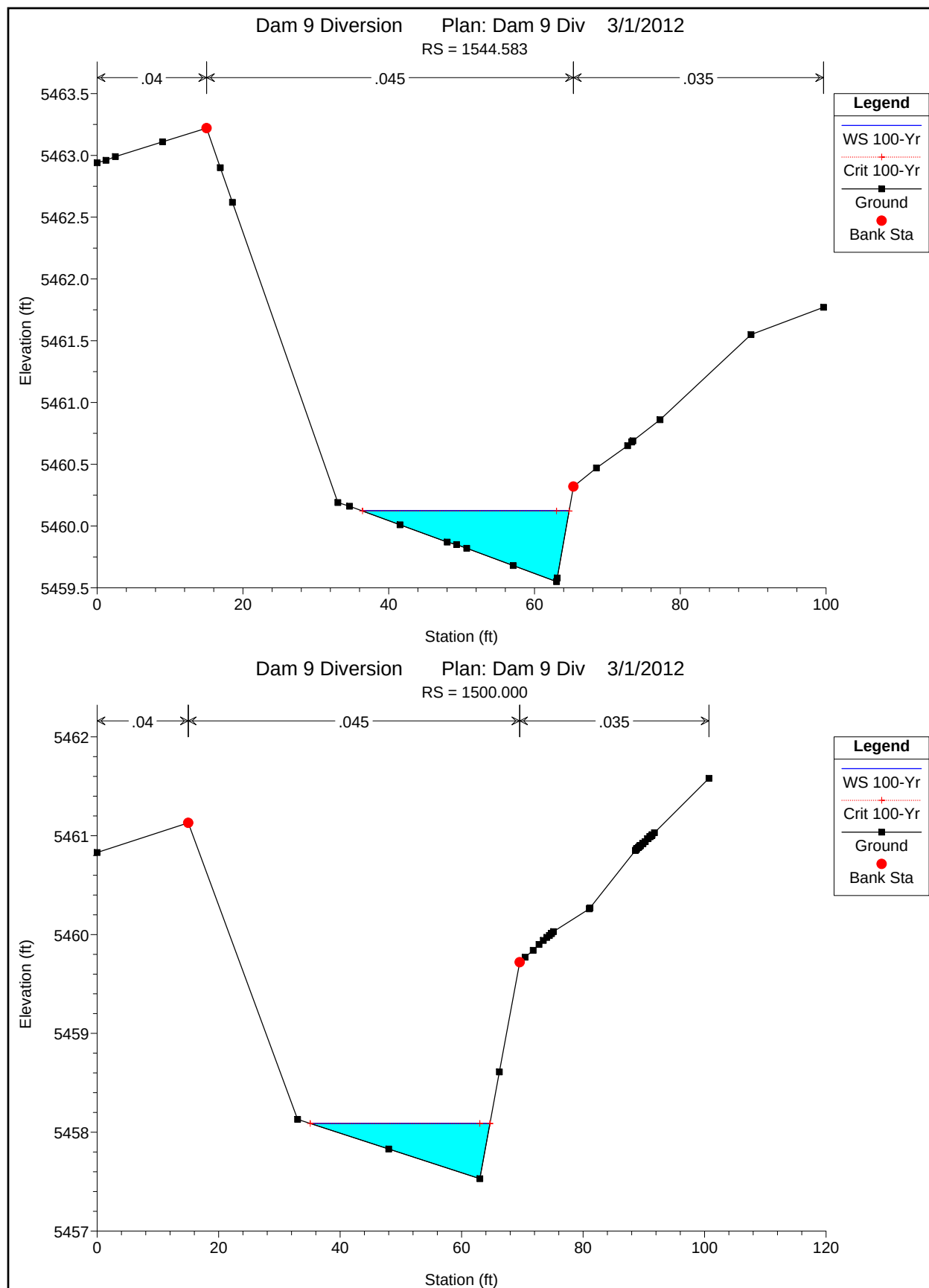
Dam 9 Diversion Plan: Dam 9 Div 3/1/2012

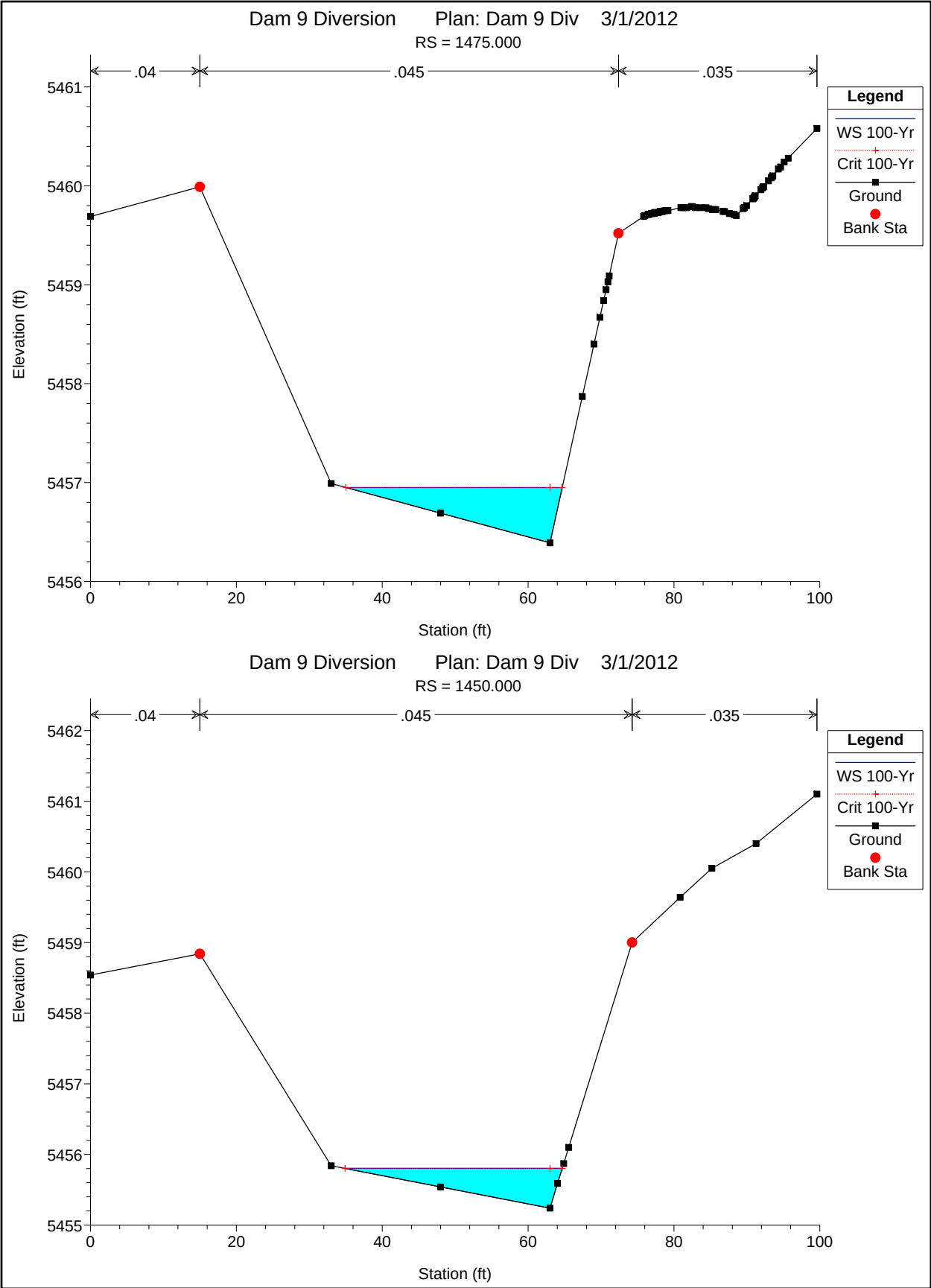
Lad Dam 9 Arroyo 1

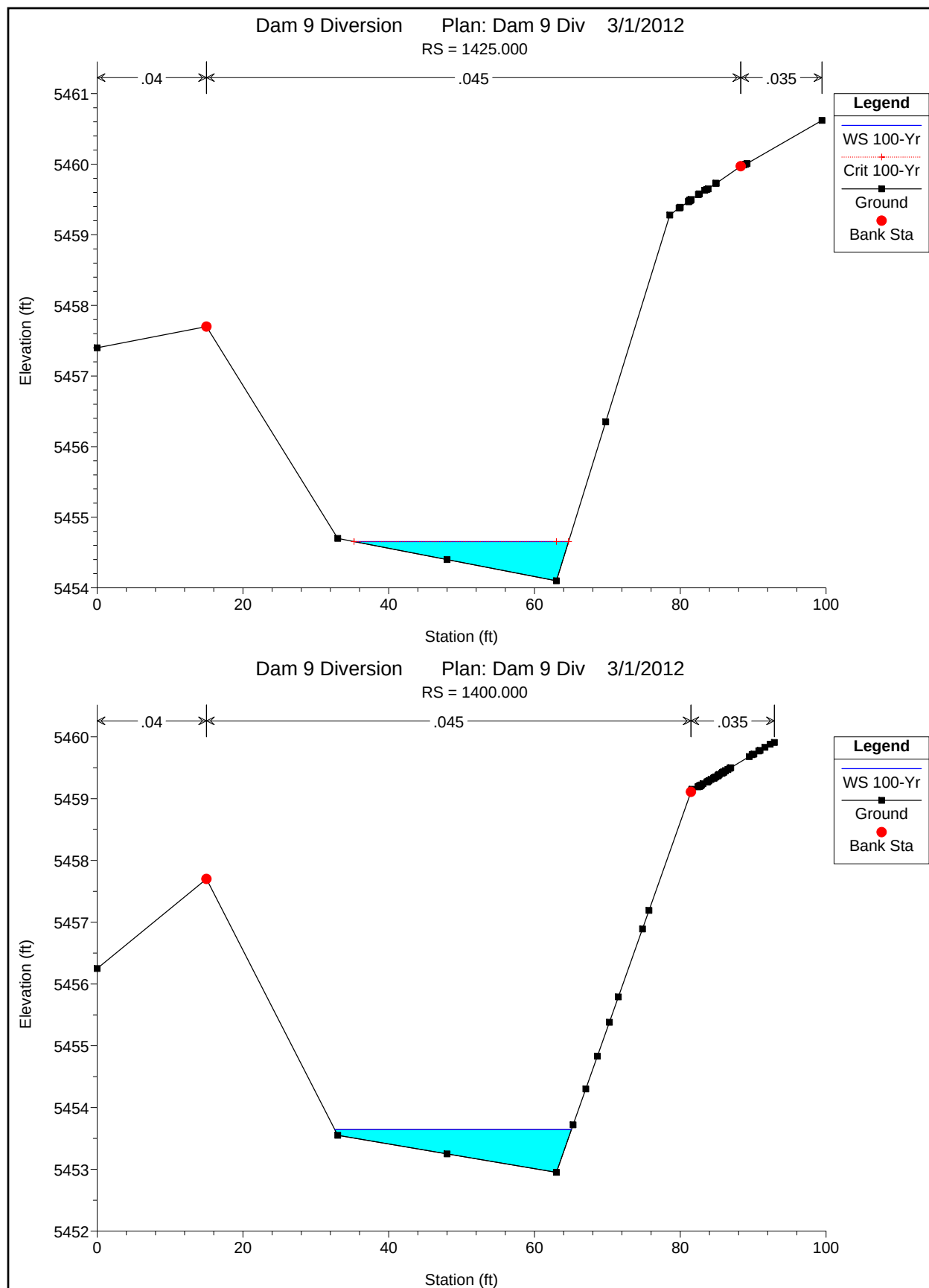
Legend

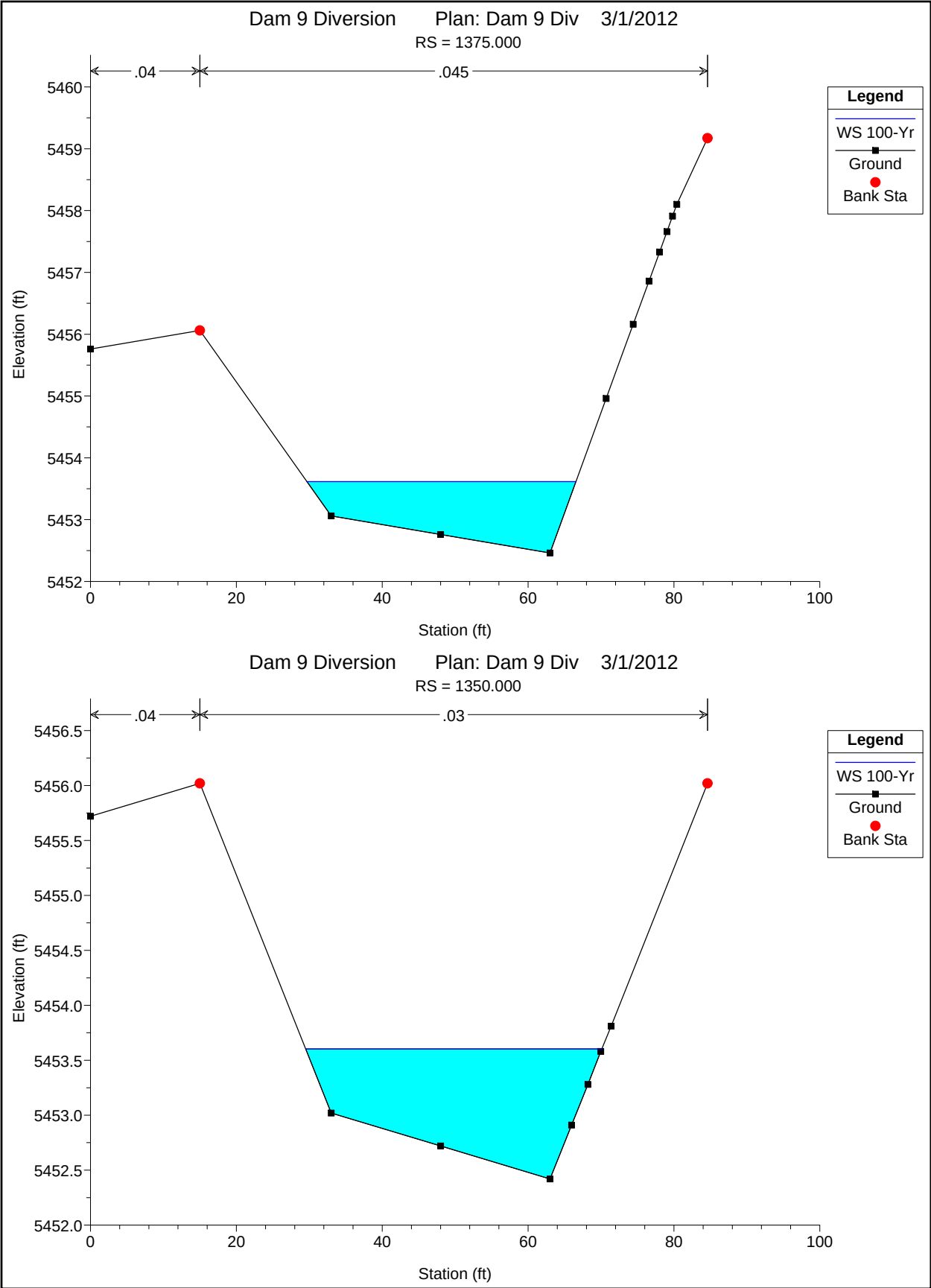
- WS 100-Yr
- Crit 100-Yr
- Ground

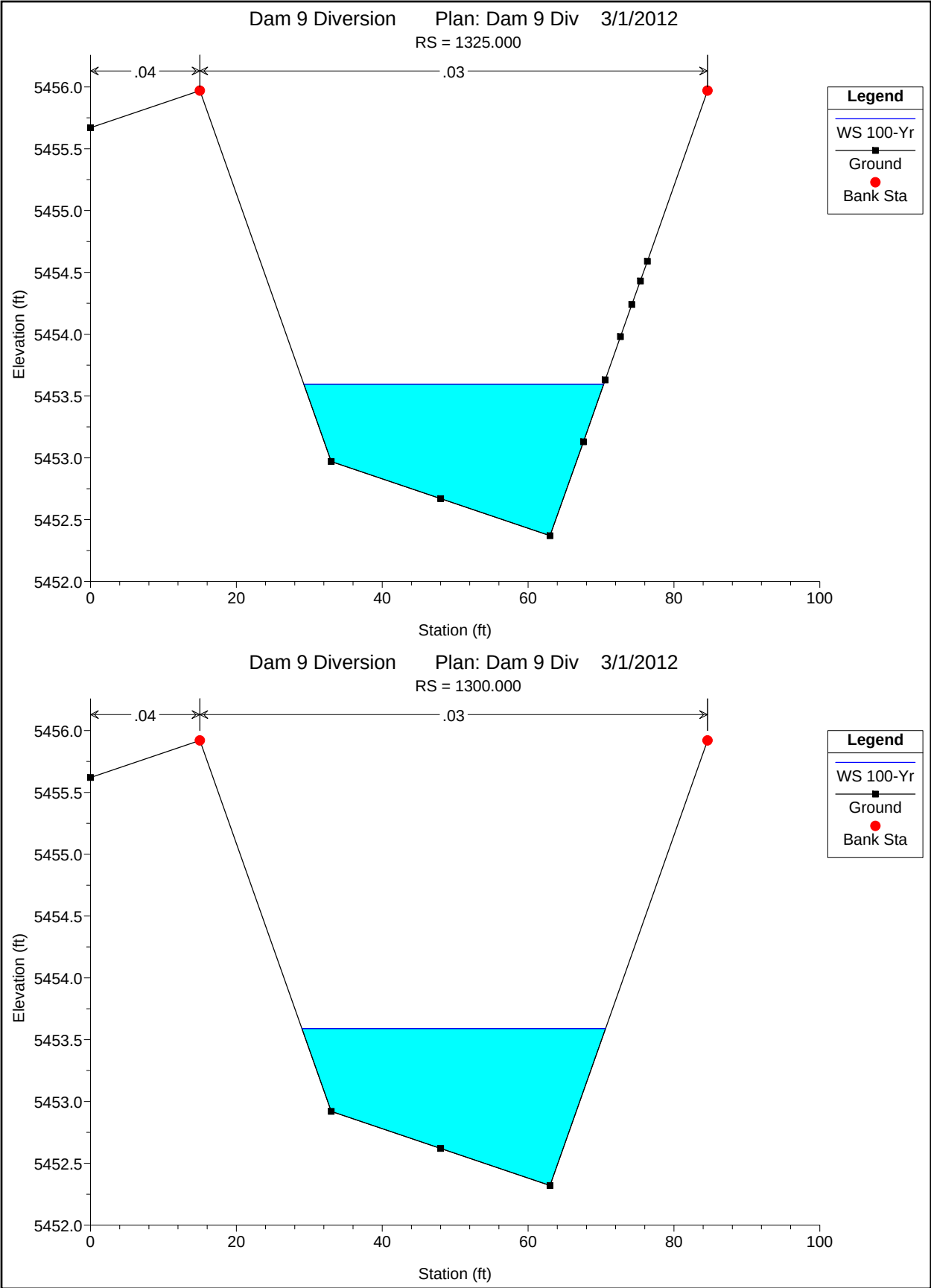


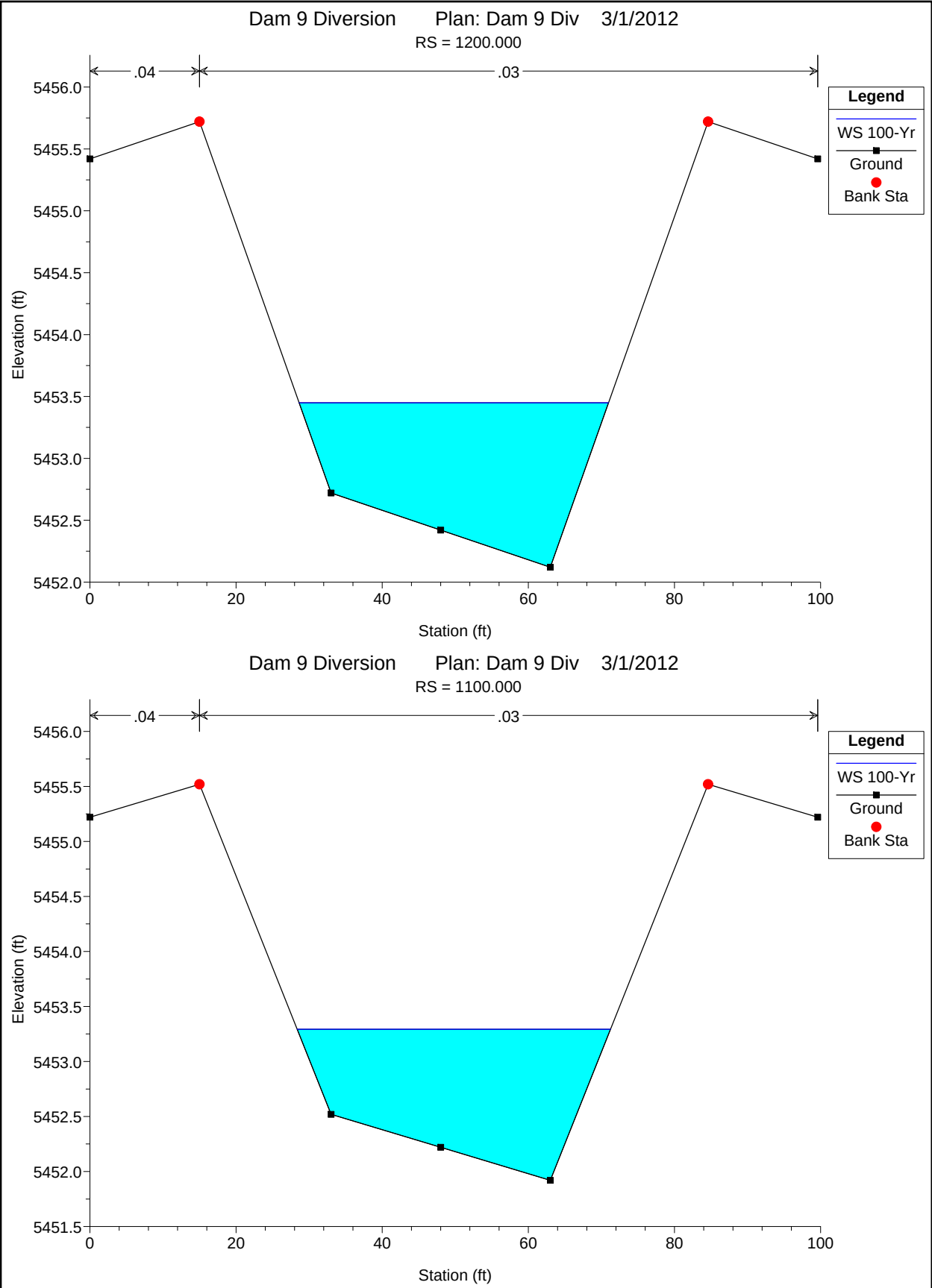


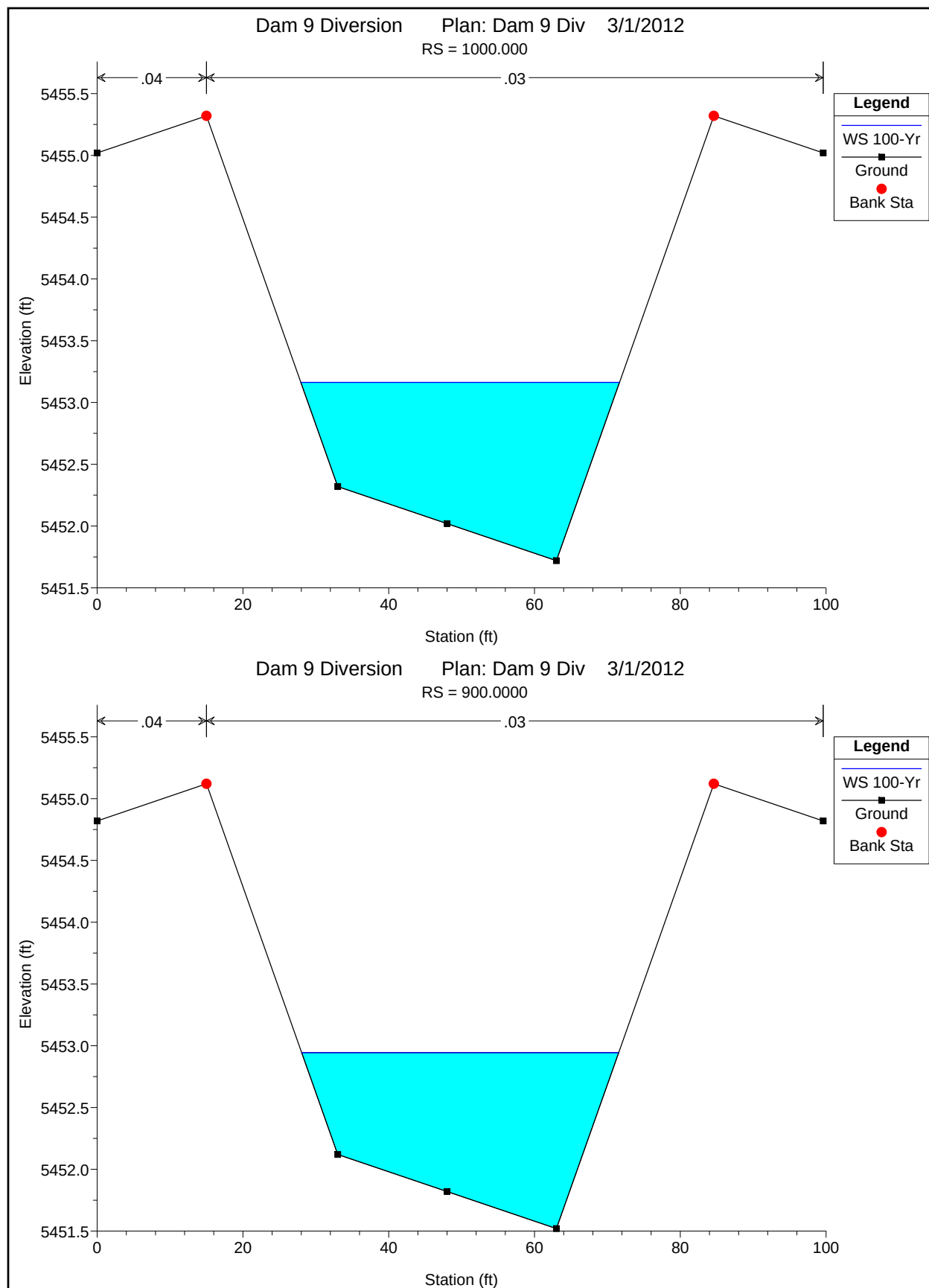


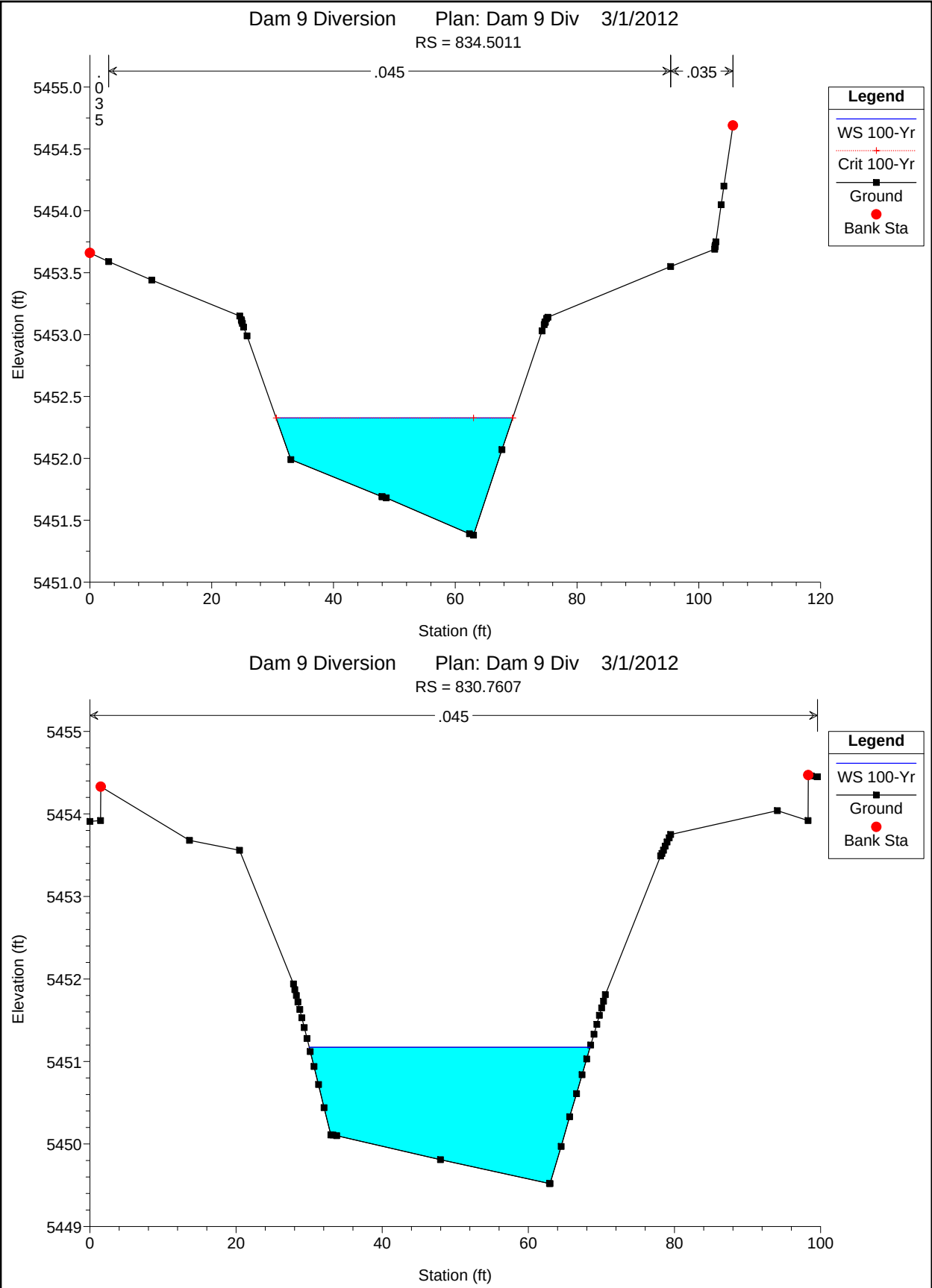


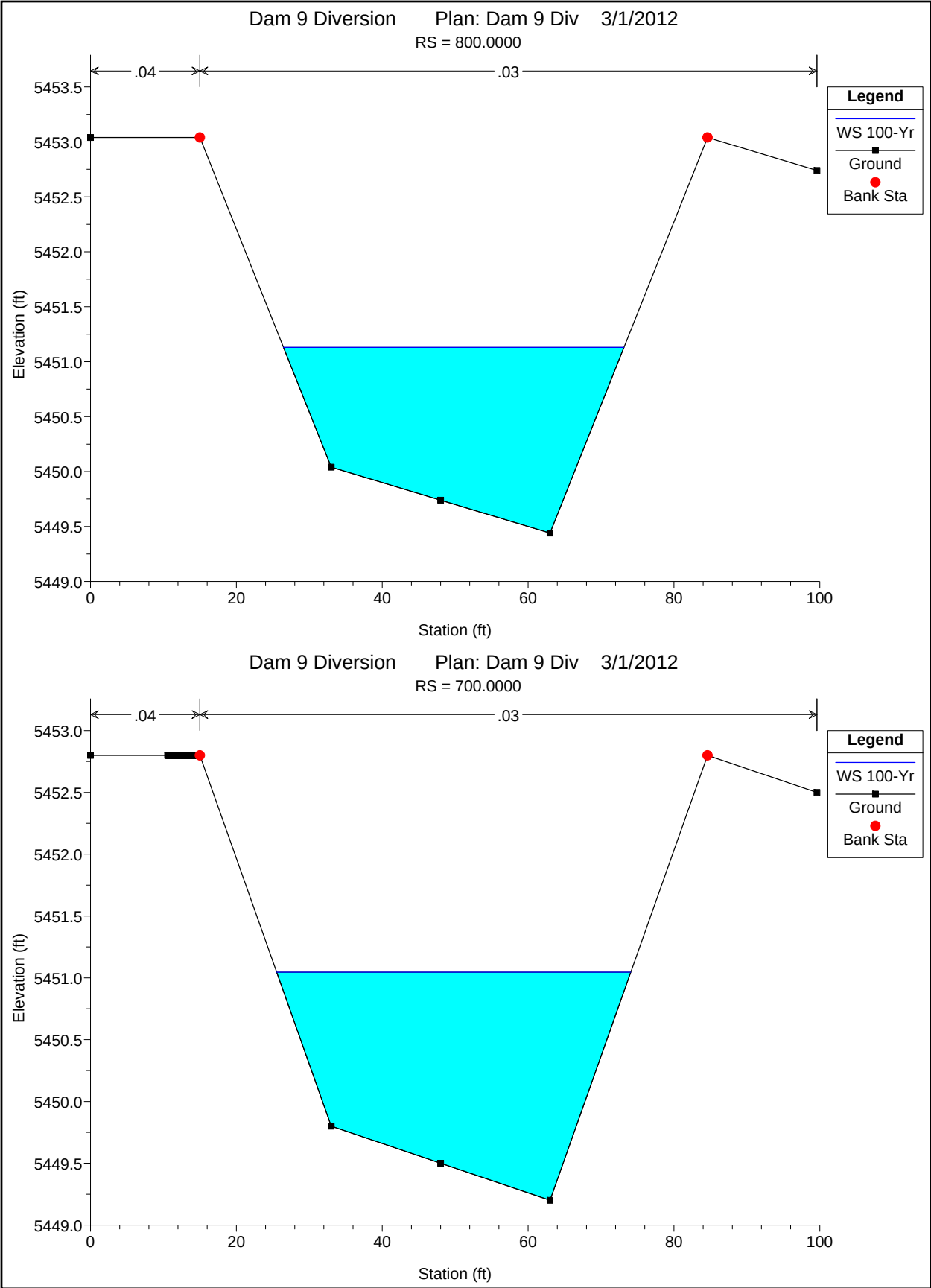


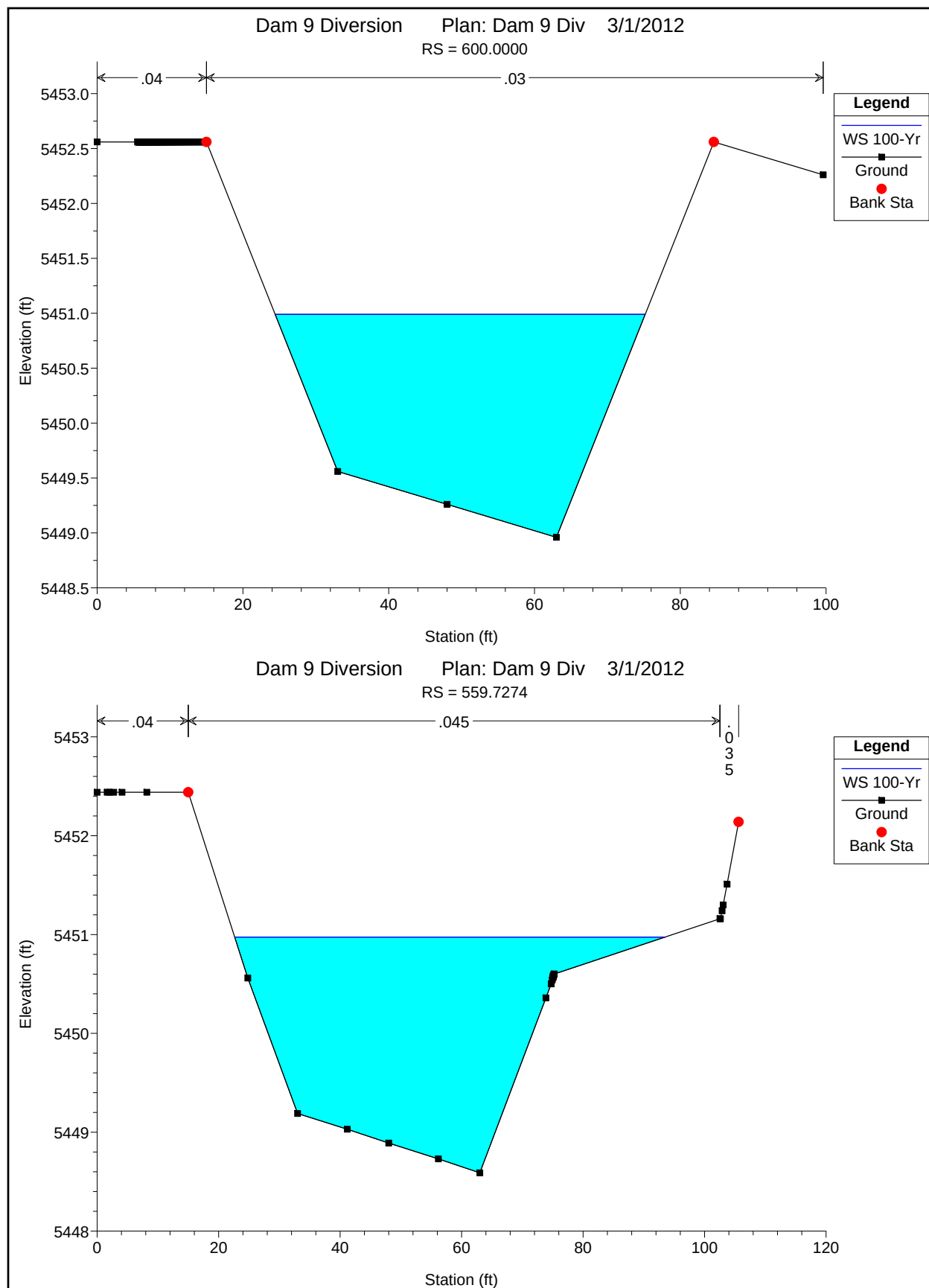


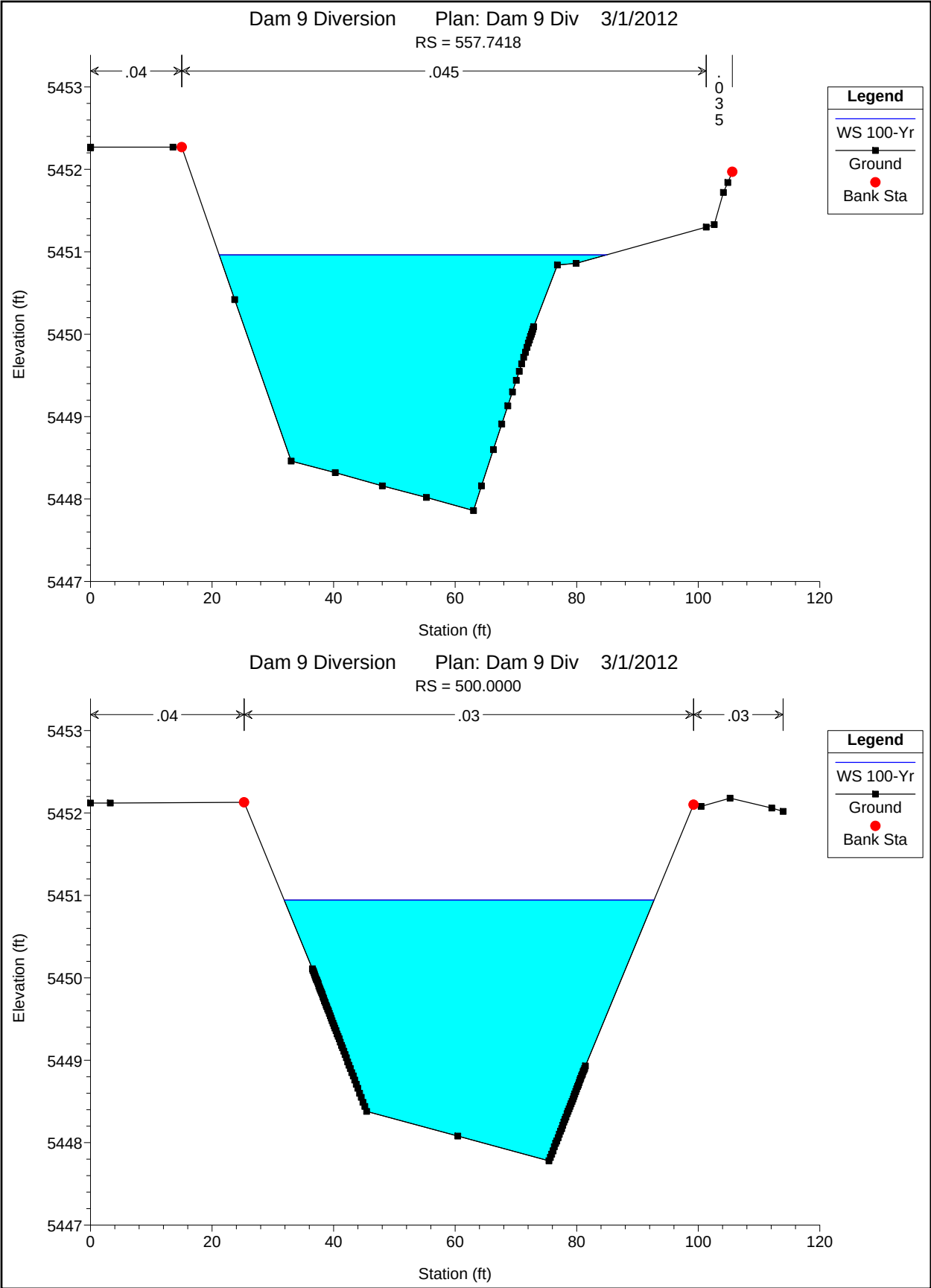


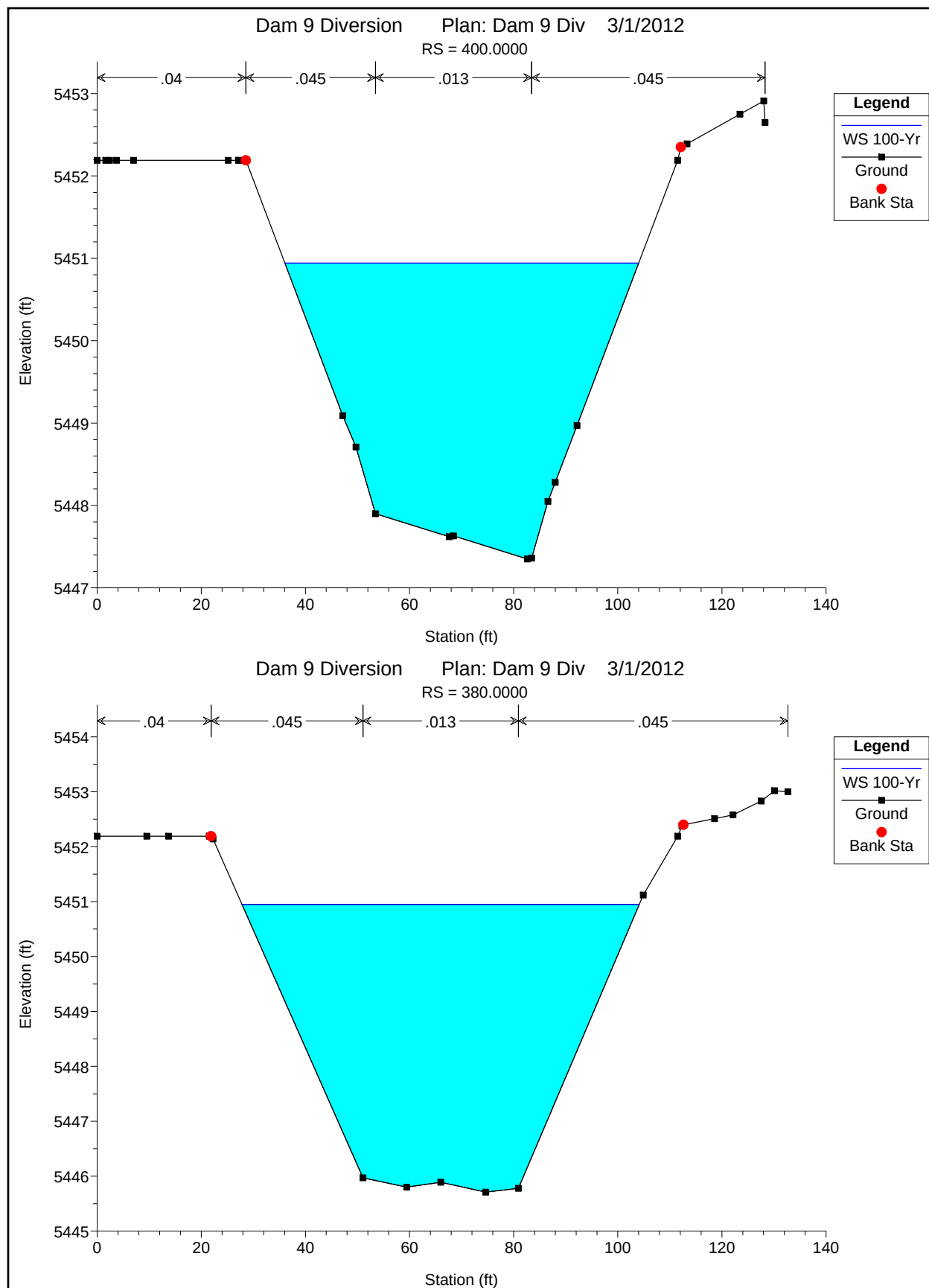


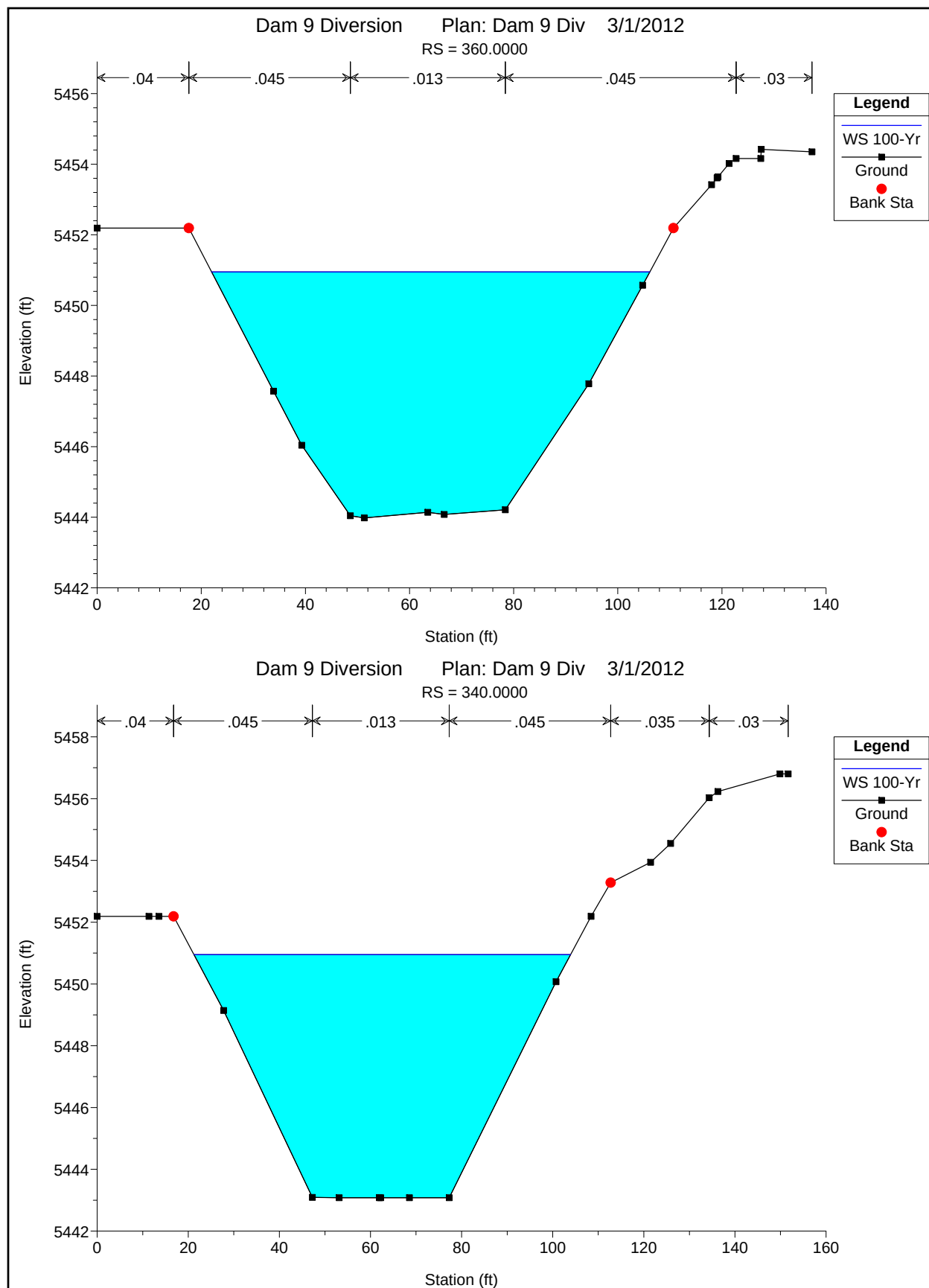






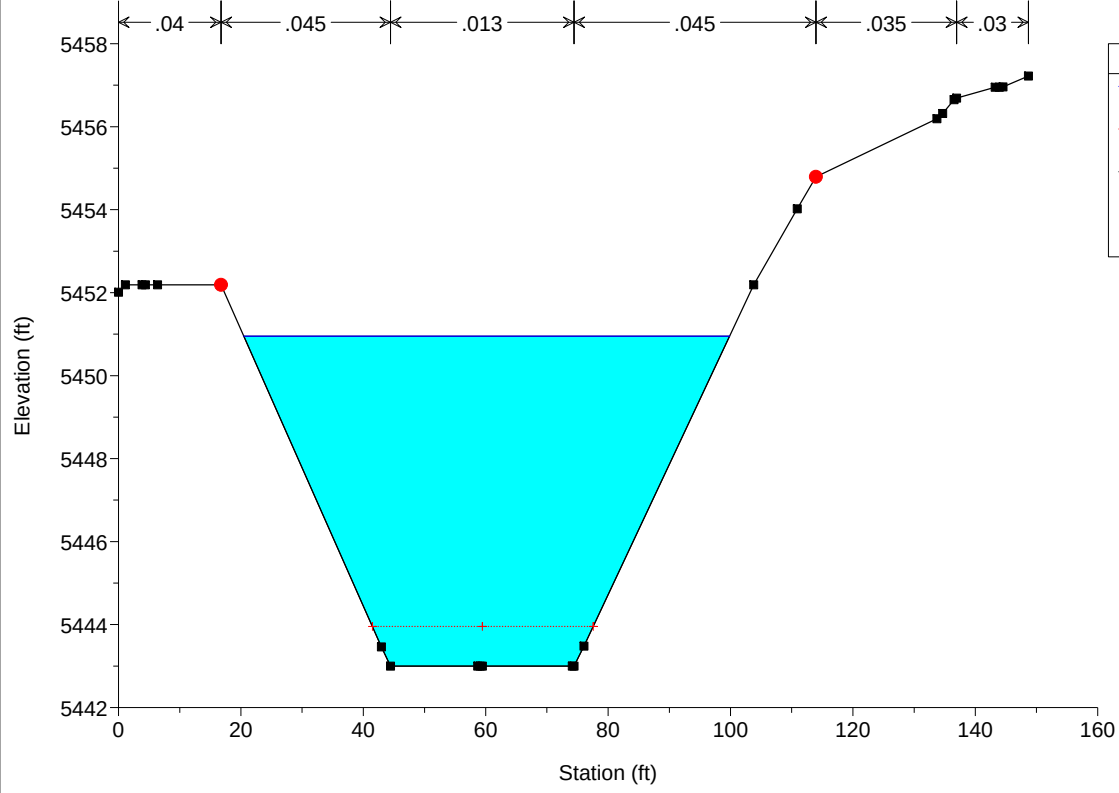






Dam 9 Diversion Plan: Dam 9 Div 3/1/2012

RS = 328.0238



Legend	
WS 100-Yr	—
Crit 100-Yr	- - - +
Ground	— ■
Bank Sta	●