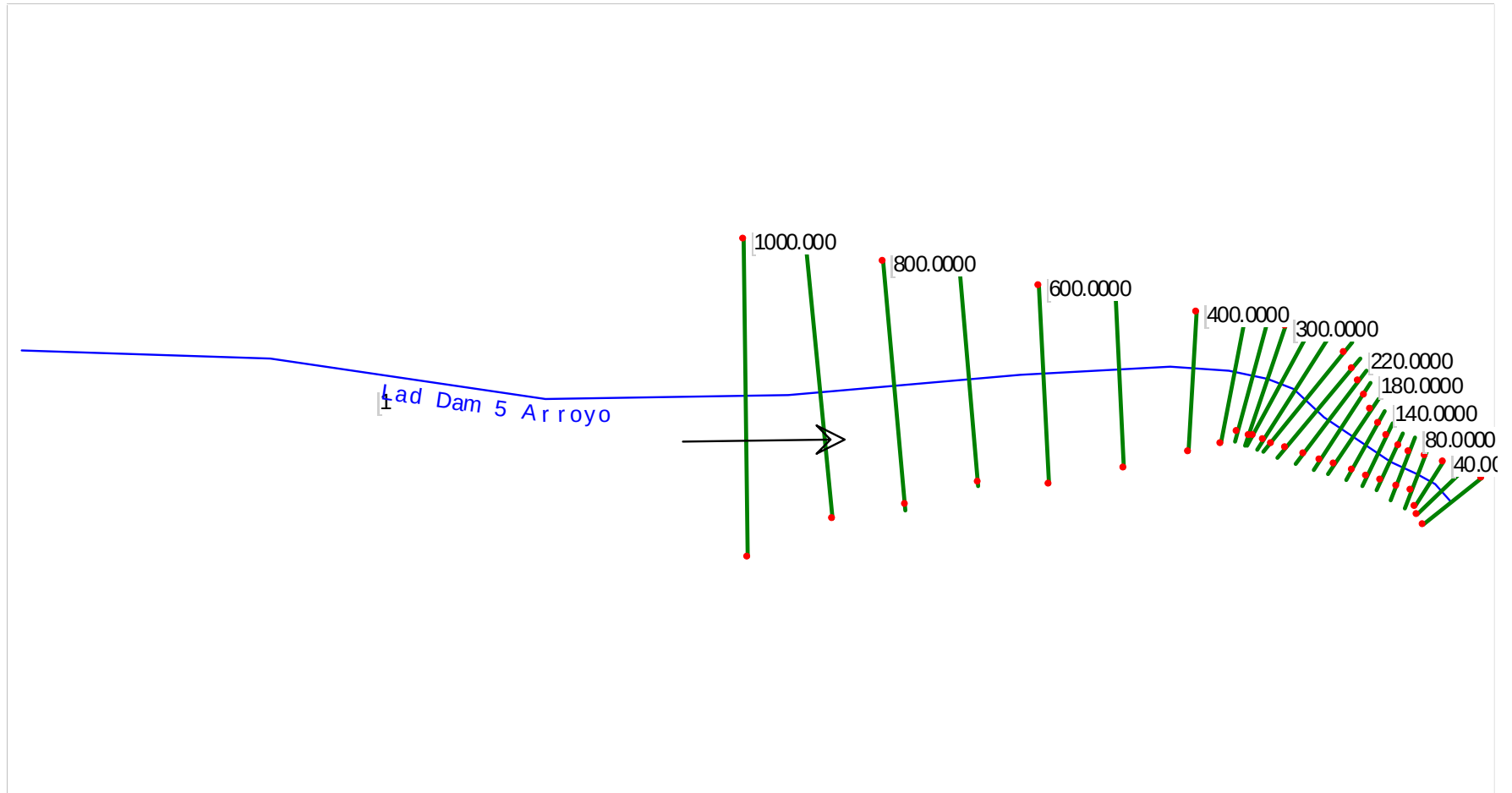


HEC-RAS Geometry for Dam 5 Arroyo Intake Channel

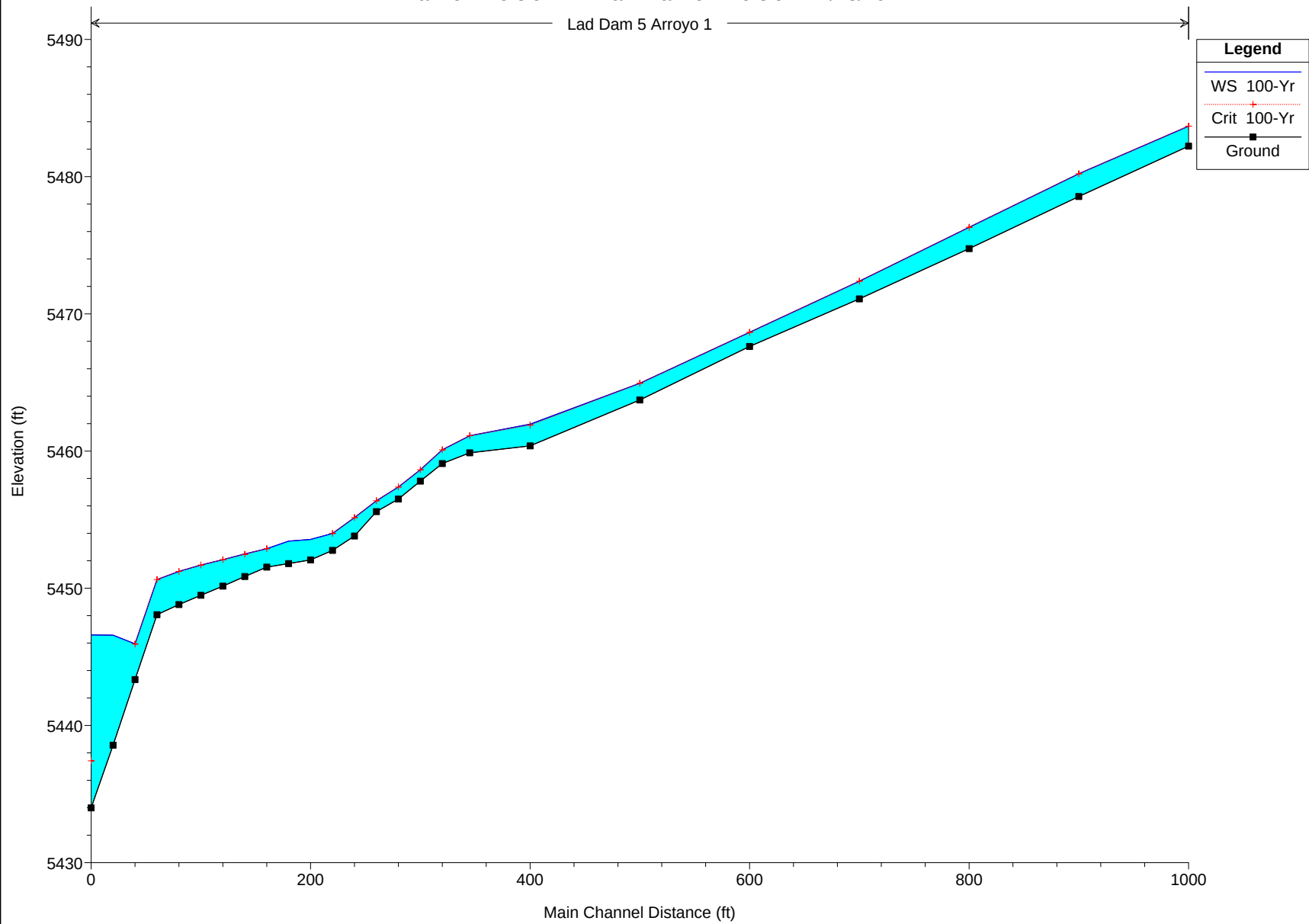


HEC-RAS Plan: Dam 5 Div River: Lad Dam 5 Arroyo Reach: 1 Profile: 100-Yr

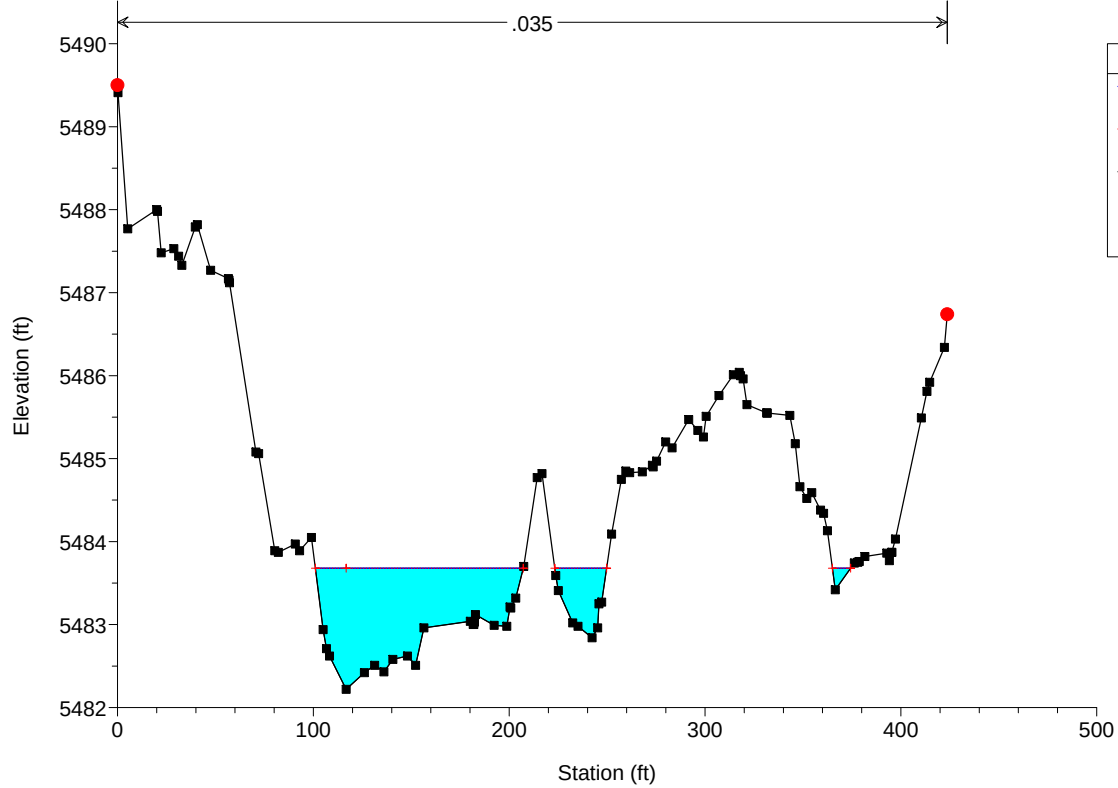
Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	1000.000	100-Yr	550.00	5482.22	5483.68	5483.68	5484.07	0.020133	5.04	109.05	142.02	1.01
1	900.0000	100-Yr	550.00	5478.55	5480.21	5480.21	5480.53	0.022076	4.52	121.64	199.67	1.02
1	800.0000	100-Yr	550.00	5474.75	5476.31	5476.31	5476.68	0.021419	4.90	112.13	159.31	1.03
1	700.0000	100-Yr	550.00	5471.09	5472.38	5472.38	5472.69	0.021609	4.53	121.35	195.53	1.01
1	600.0000	100-Yr	550.00	5467.62	5468.65	5468.65	5468.97	0.021746	4.54	121.17	194.21	1.01
1	500.0000	100-Yr	550.00	5463.72	5464.94	5464.94	5465.38	0.020427	5.35	102.73	119.12	1.02
1	400.0000	100-Yr	550.00	5460.38	5461.96	5461.89	5462.35	0.015147	5.01	109.77	113.66	0.90
1	345.0000	100-Yr	550.00	5459.87	5461.11	5461.11	5461.51	0.015550	5.06	108.69	141.35	1.02
1	320.0000	100-Yr	550.00	5459.09	5460.09	5460.09	5460.50	0.014845	5.09	108.10	136.68	1.01
1	300.0000	100-Yr	550.00	5457.81	5458.64	5458.64	5459.03	0.014794	5.06	108.71	139.45	1.01
1	280.0000	100-Yr	550.00	5456.50	5457.38	5457.38	5457.77	0.015089	4.99	110.24	146.26	1.01
1	260.0000	100-Yr	550.00	5455.59	5456.38	5456.38	5456.74	0.014888	4.86	113.14	154.36	1.00
1	240.0000	100-Yr	550.00	5453.81	5455.15	5455.15	5455.55	0.015282	5.09	108.05	138.54	1.02
1	220.0000	100-Yr	550.00	5452.76	5453.99	5453.99	5454.43	0.014513	5.29	103.98	120.84	1.00
1	200.0000	100-Yr	550.00	5452.07	5453.56		5453.77	0.003689	3.67	149.96	106.64	0.55
1	180.0000	100-Yr	550.00	5451.80	5453.44		5453.68	0.003976	3.99	137.79	90.01	0.57
1	160.0000	100-Yr	550.00	5451.54	5452.88	5452.88	5453.51	0.013496	6.37	86.28	69.53	1.01
1	140.0000	100-Yr	550.00	5450.86	5452.50	5452.48	5453.21	0.012600	6.78	81.17	55.19	0.98
1	120.0000	100-Yr	550.00	5450.15	5452.08	5452.08	5452.92	0.014832	7.35	74.88	44.84	1.00
1	100.0000	100-Yr	550.00	5449.49	5451.70	5451.70	5452.60	0.016226	7.61	72.29	40.54	1.00
1	80.0000	100-Yr	550.00	5448.81	5451.23	5451.23	5452.18	0.016815	7.84	70.19	37.12	1.00
1	60.0000	100-Yr	550.00	5448.07	5450.64	5450.64	5451.63	0.016608	7.99	68.83	35.00	1.00
1	40.0000	100-Yr	550.00	5443.34	5445.95	5445.93	5446.92	0.023824	7.91	69.53	35.13	0.99
1	20.0000	100-Yr	550.00	5438.56	5446.58		5446.62	0.000220	1.60	342.80	67.24	0.13
1	0.0000	100-Yr	550.00	5433.99	5446.60	5437.42	5446.61	0.000041	0.93	592.97	84.34	0.06

Dam 5 Diversion Plan: Dam 5 Diversion 2/23/2012

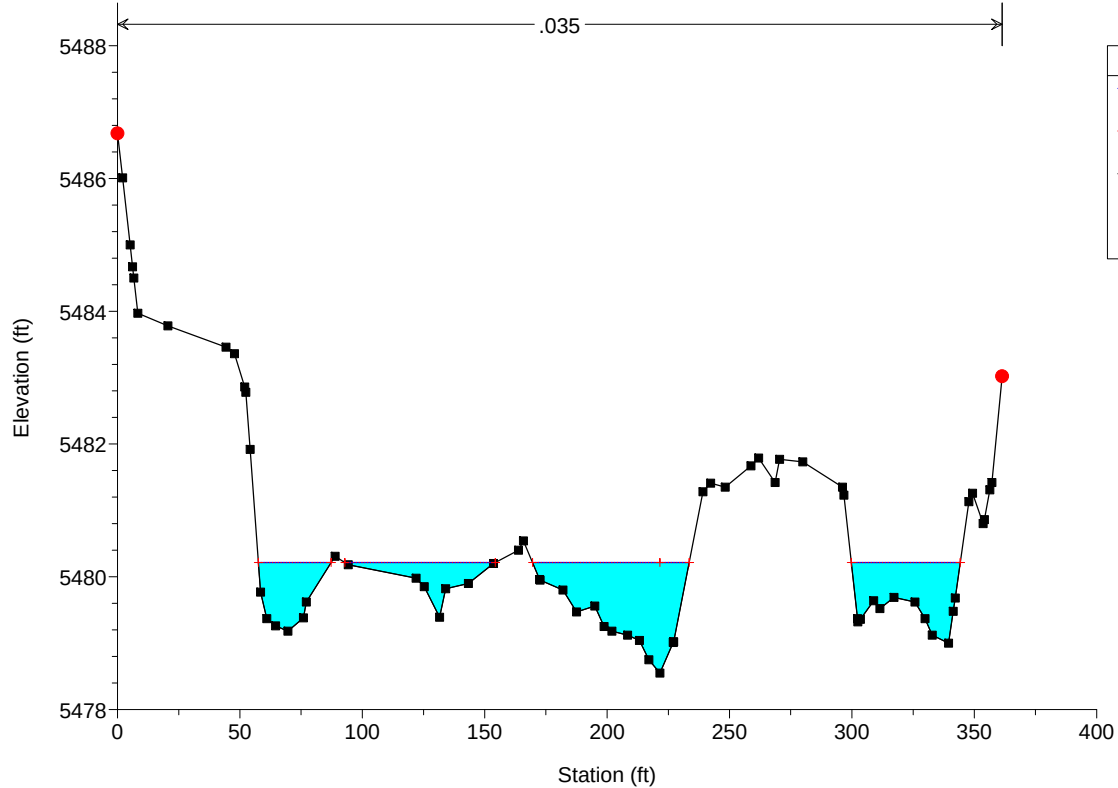
Lad Dam 5 Arroyo 1

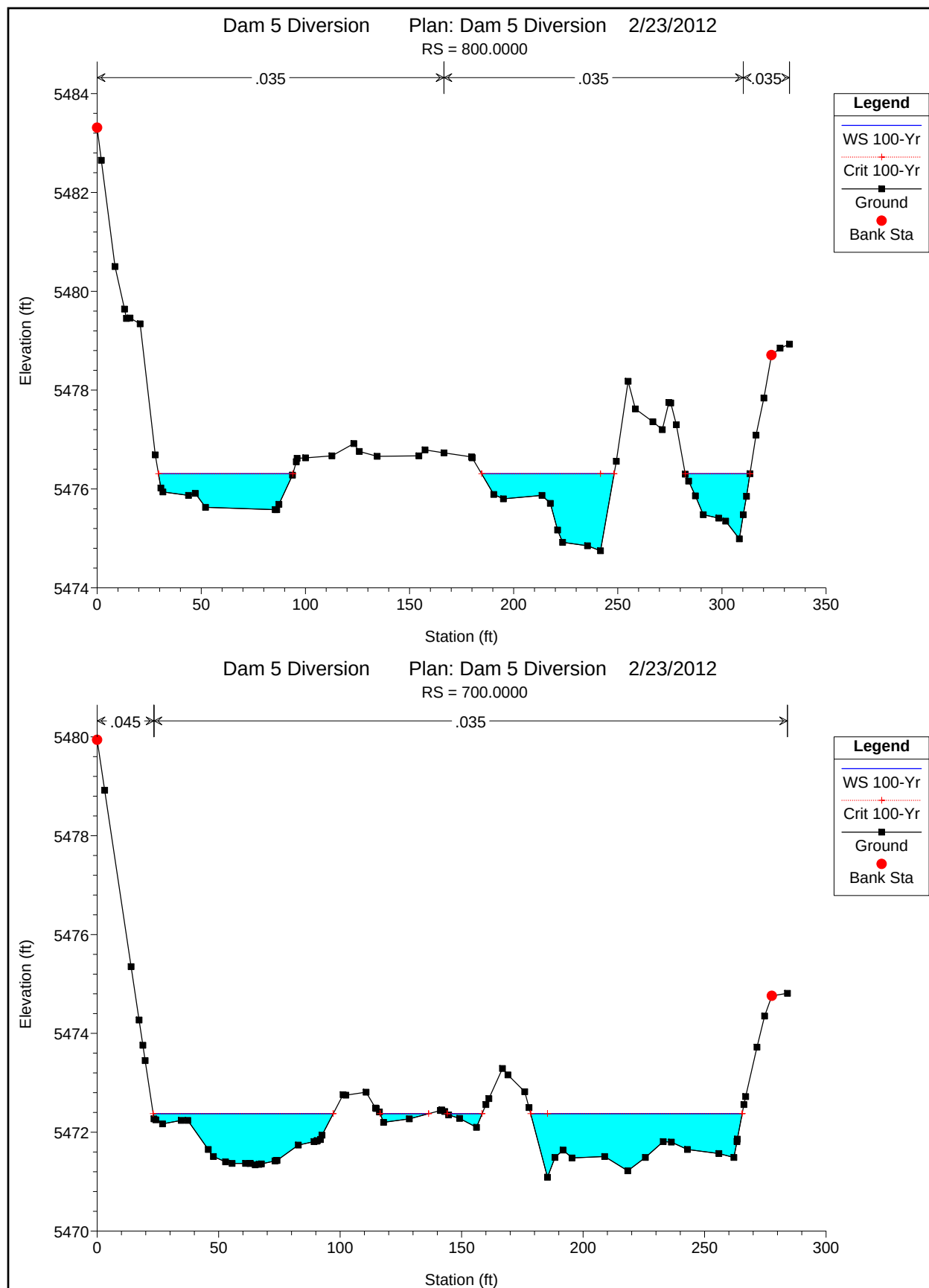


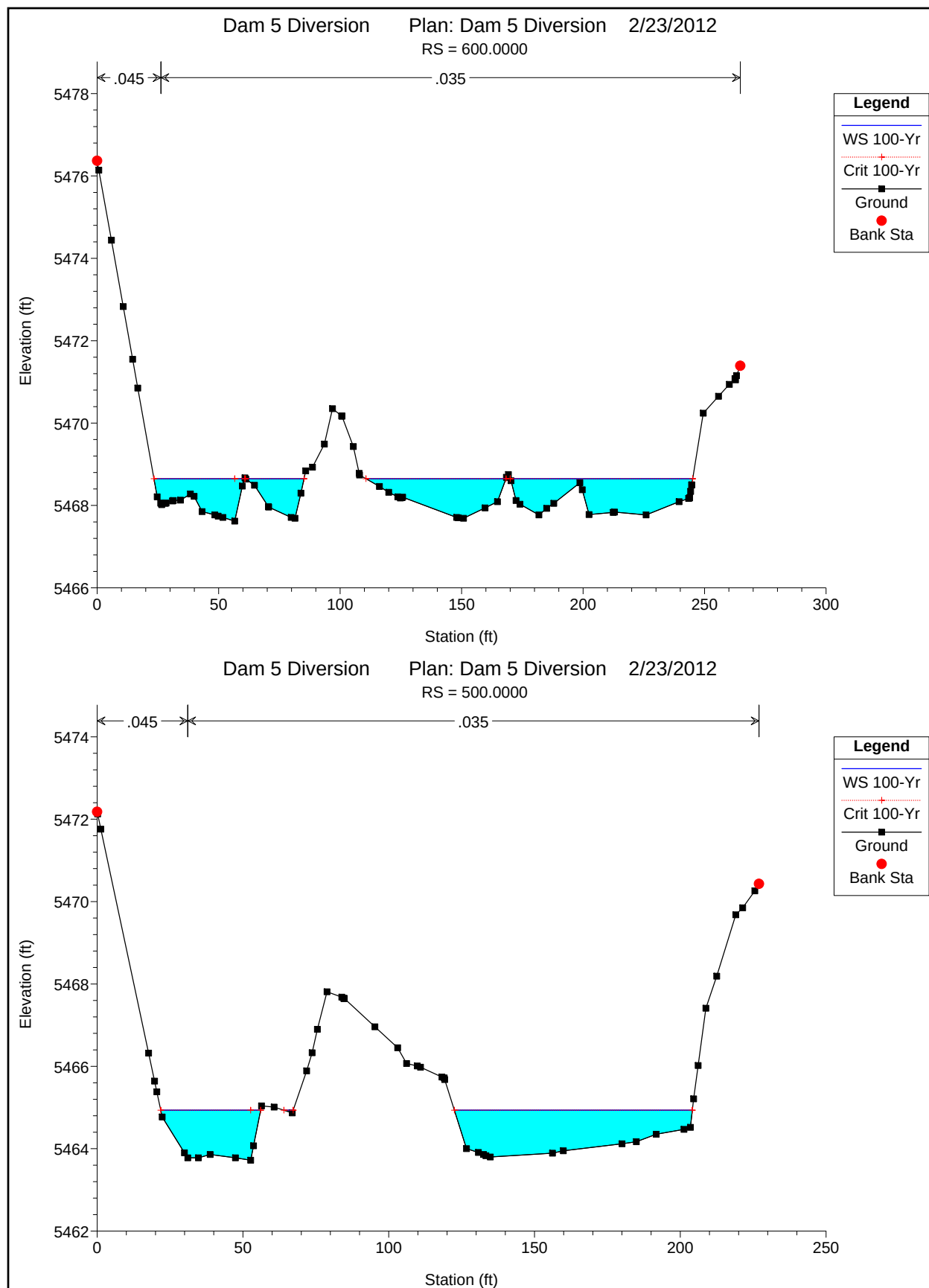
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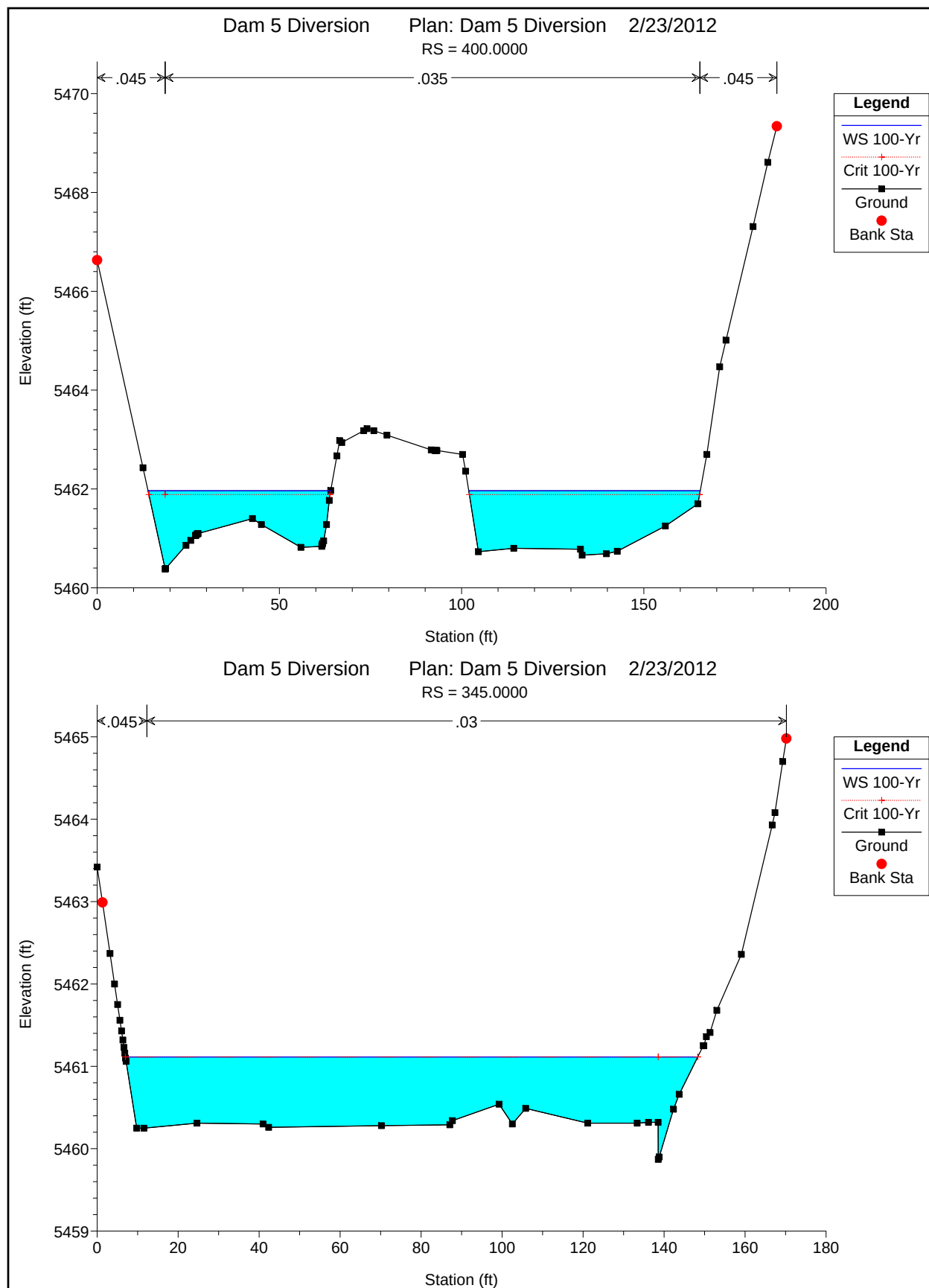


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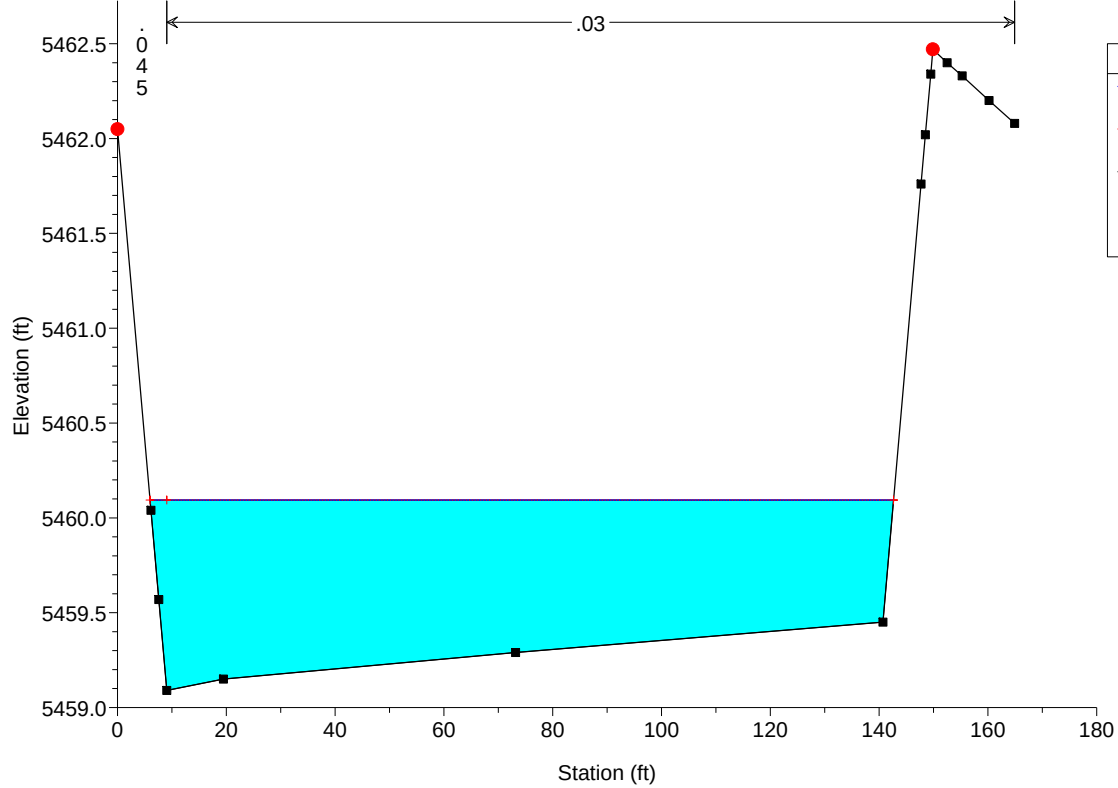




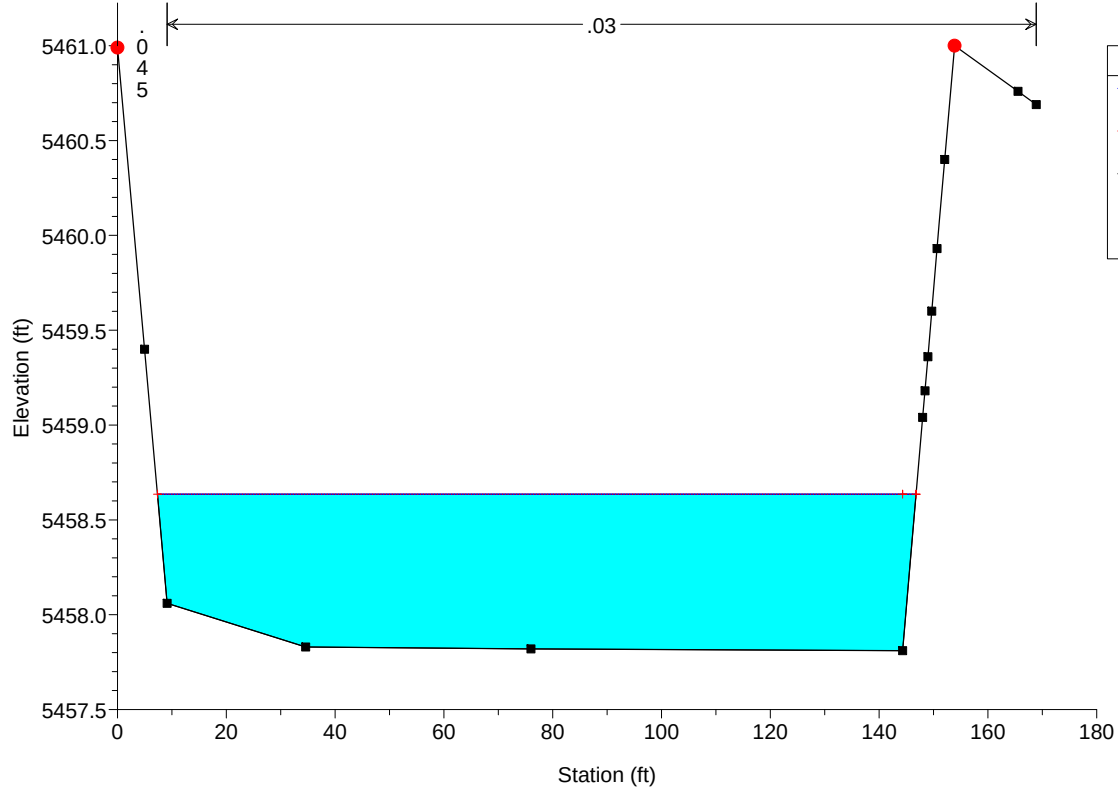


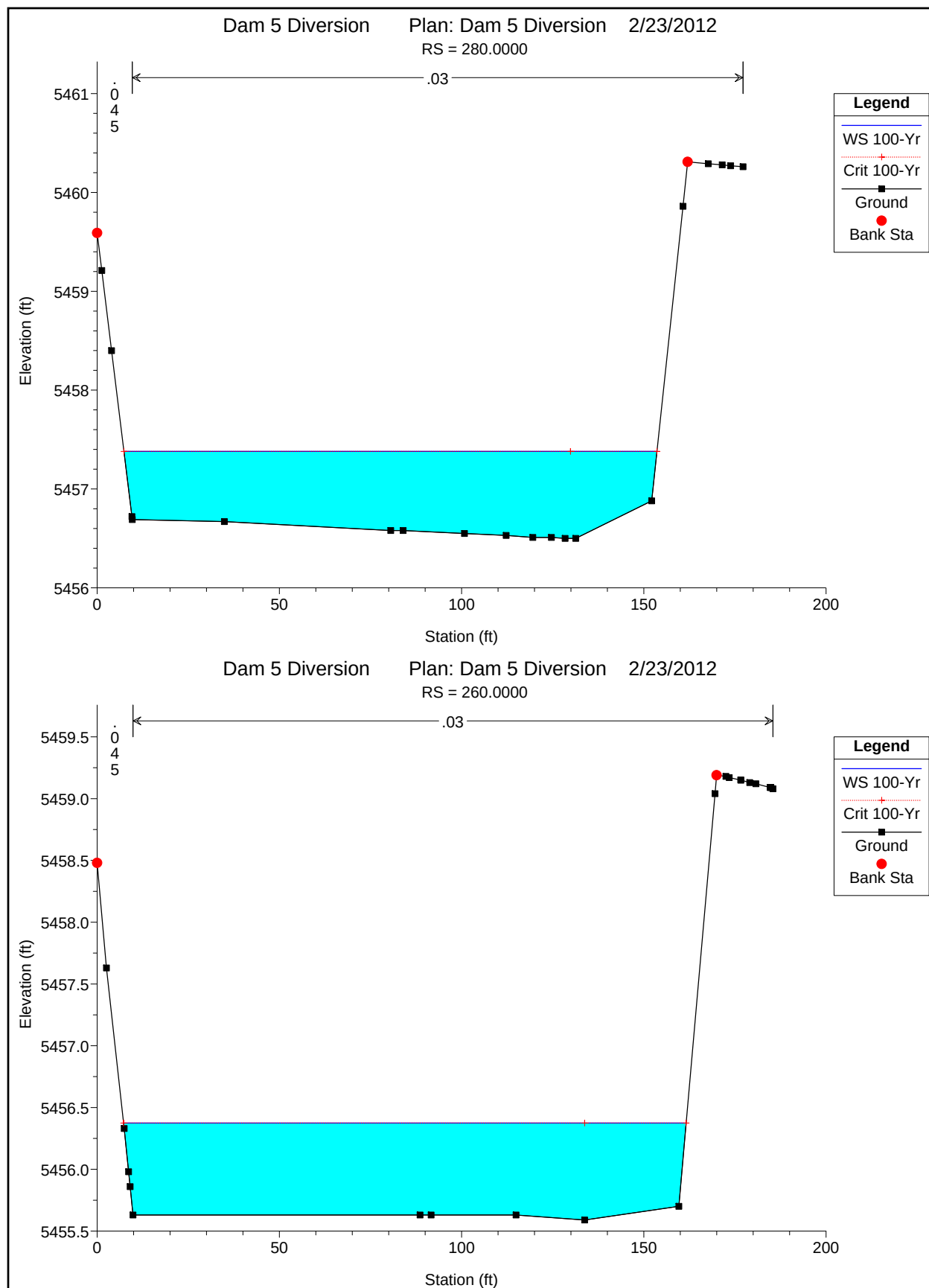


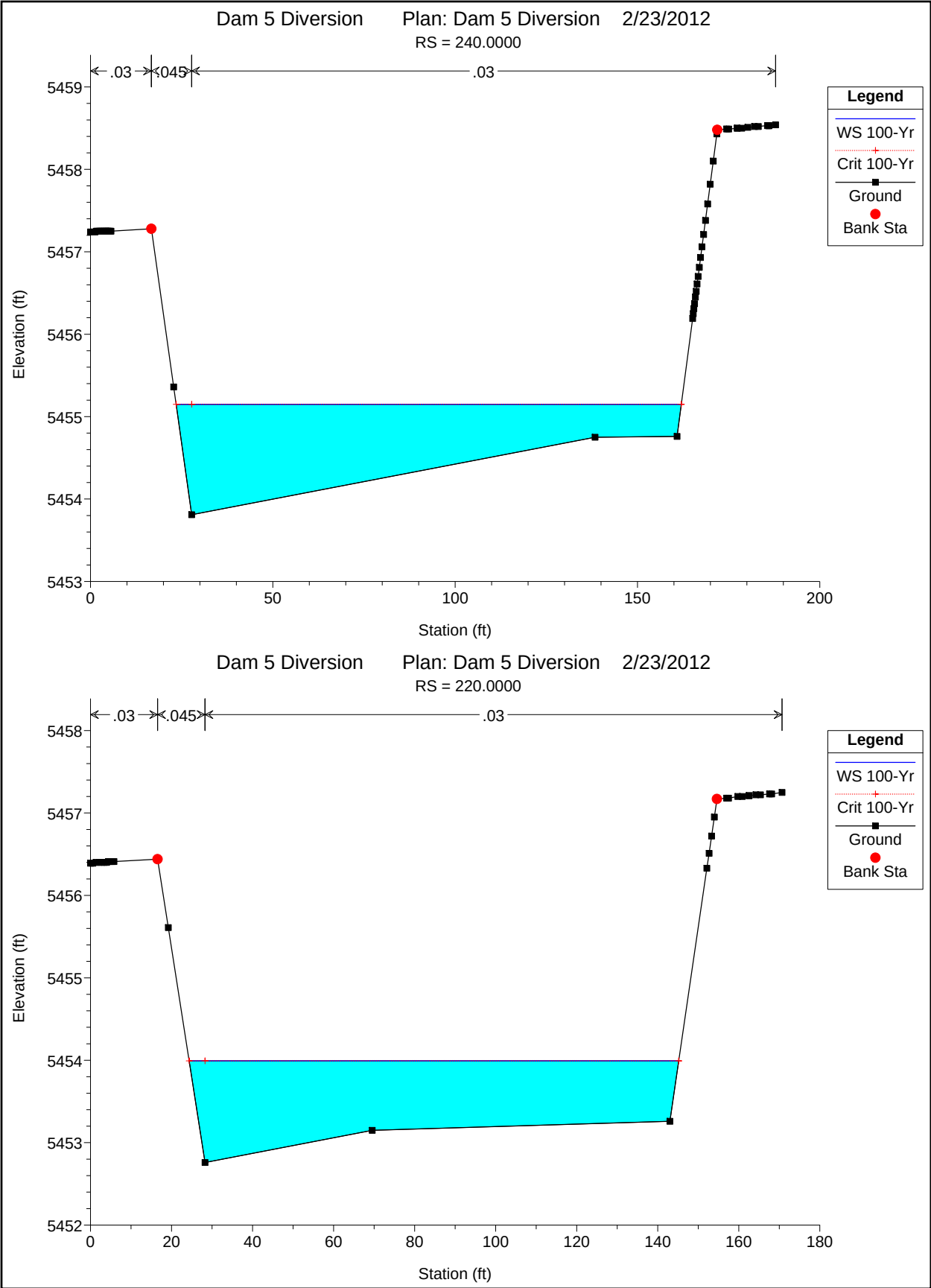
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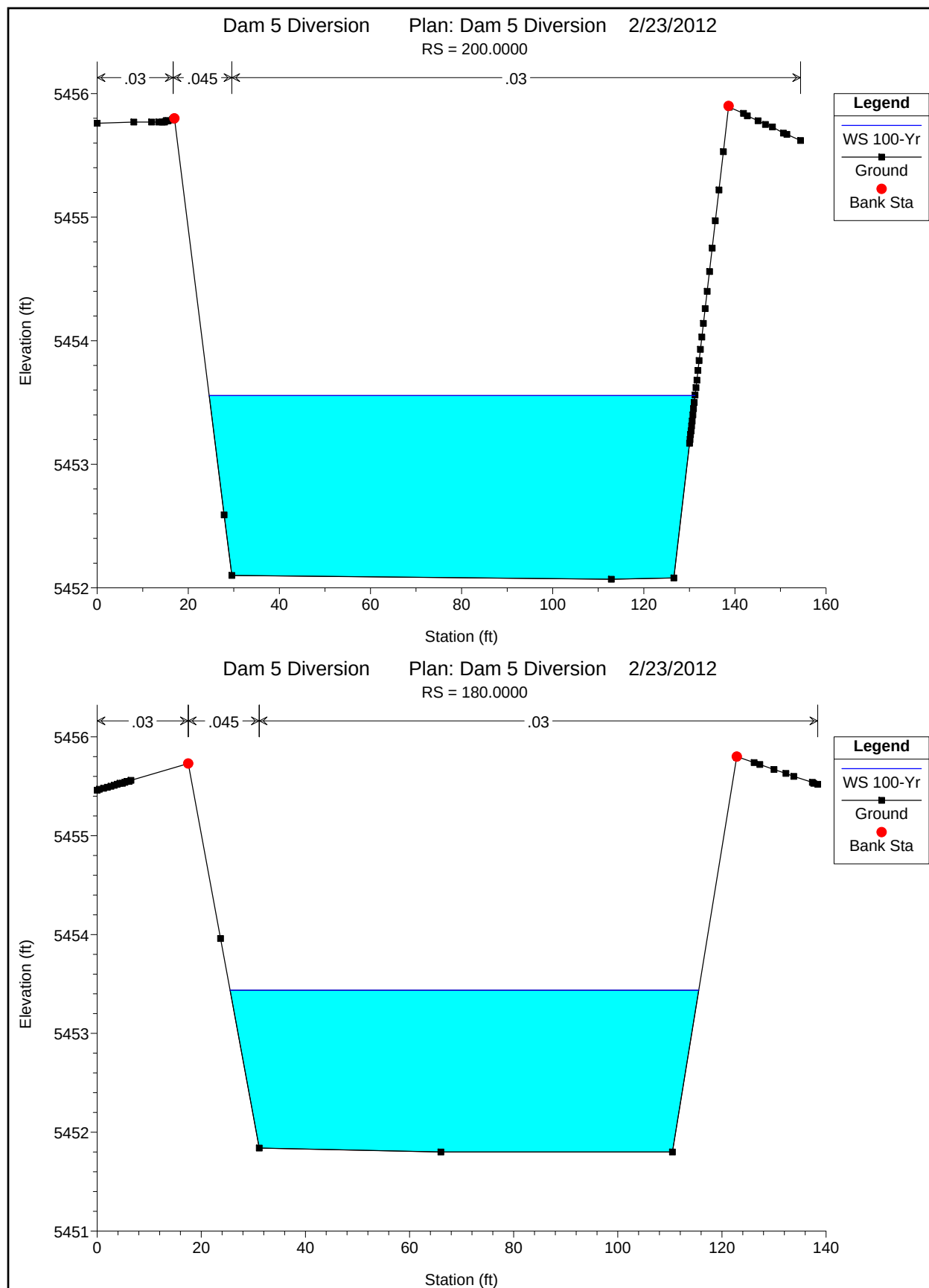


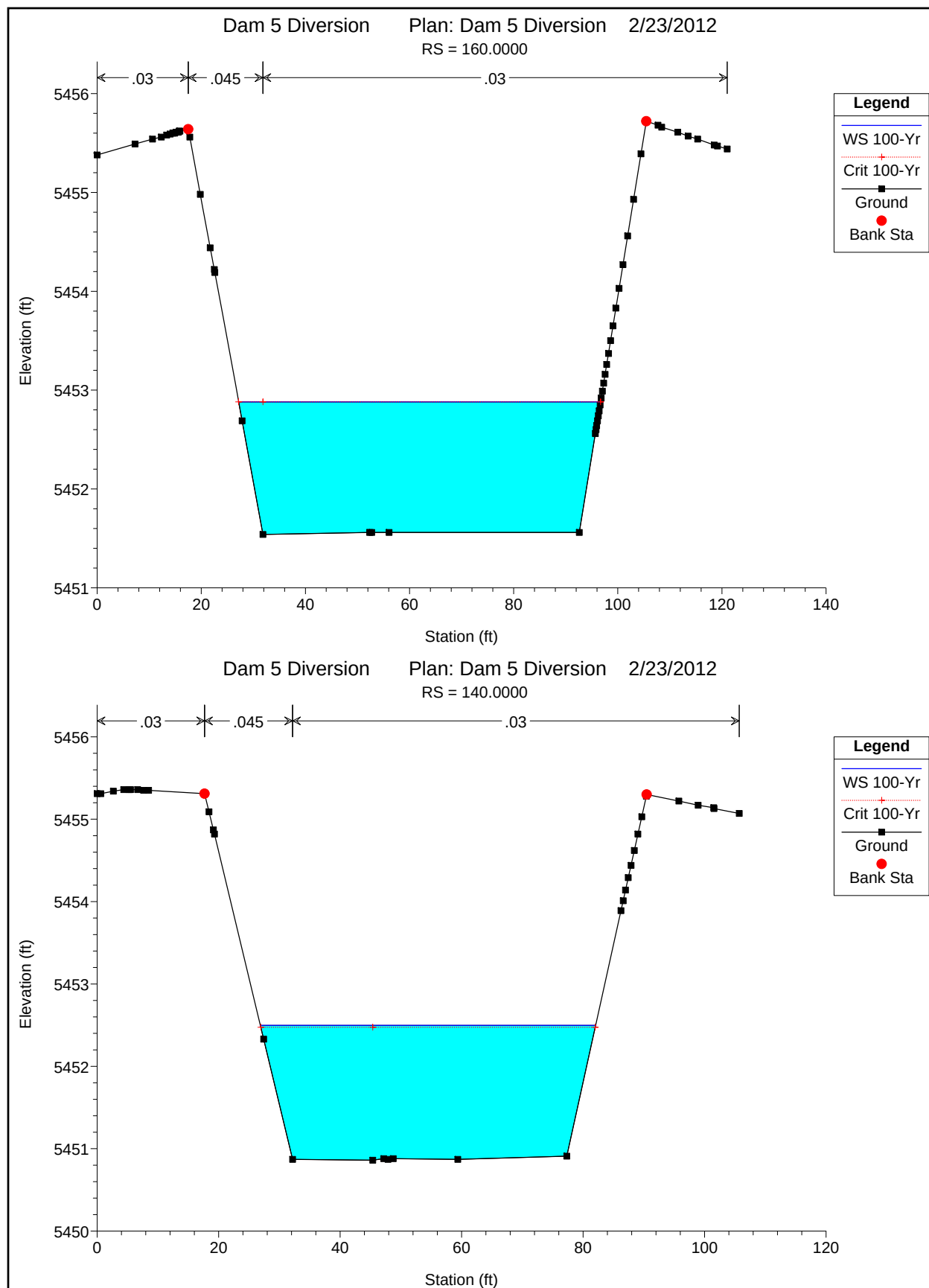
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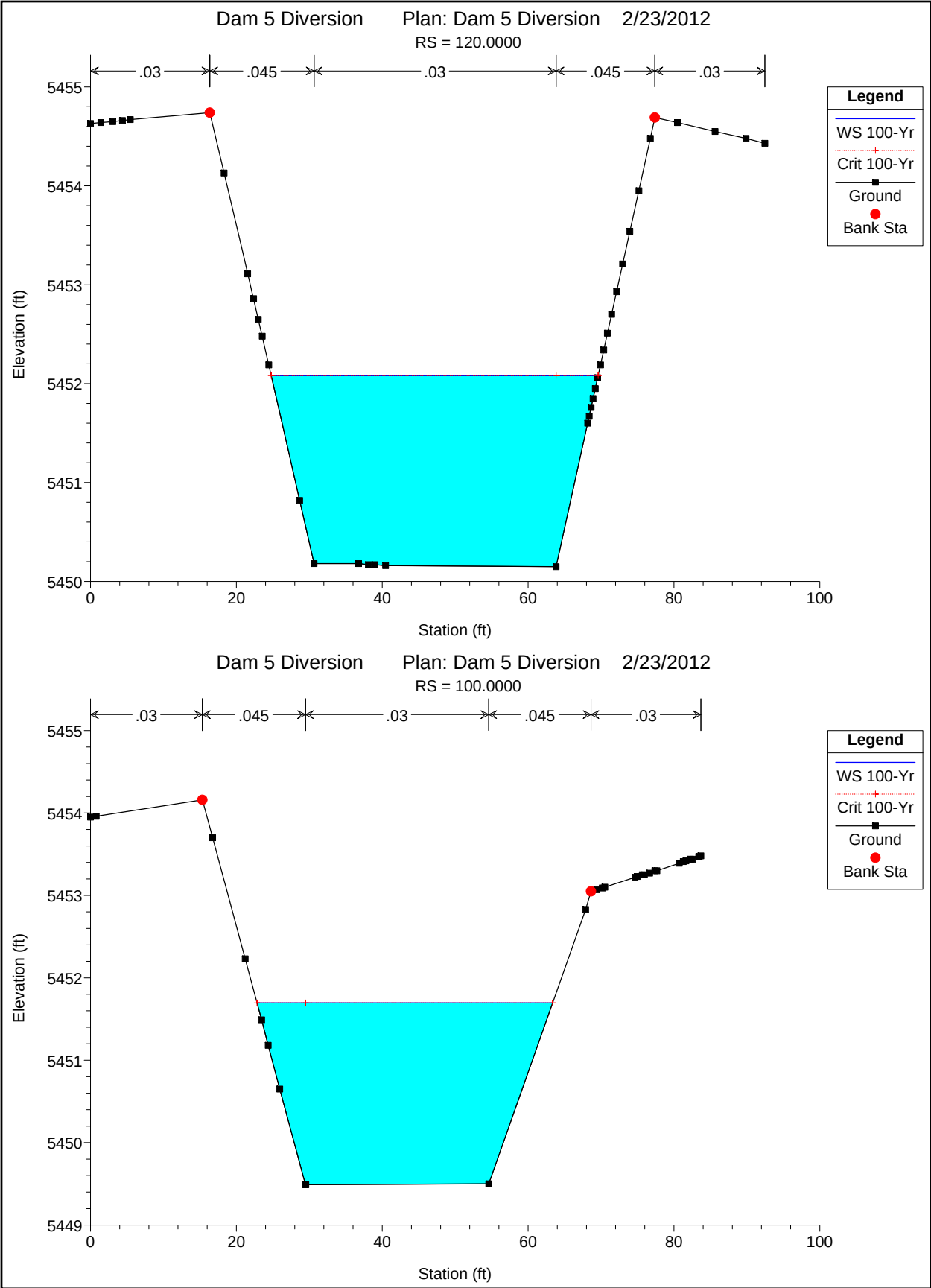


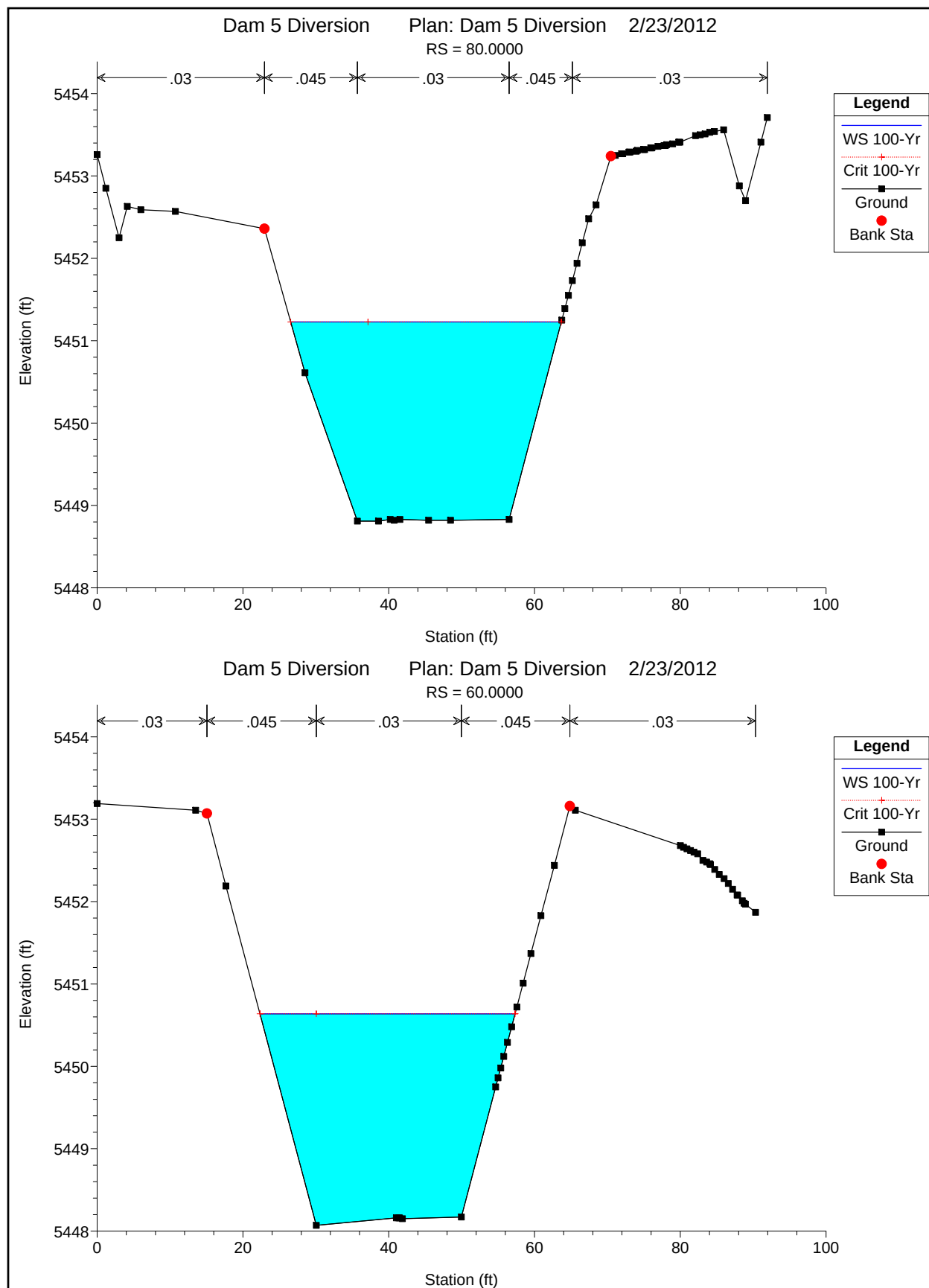


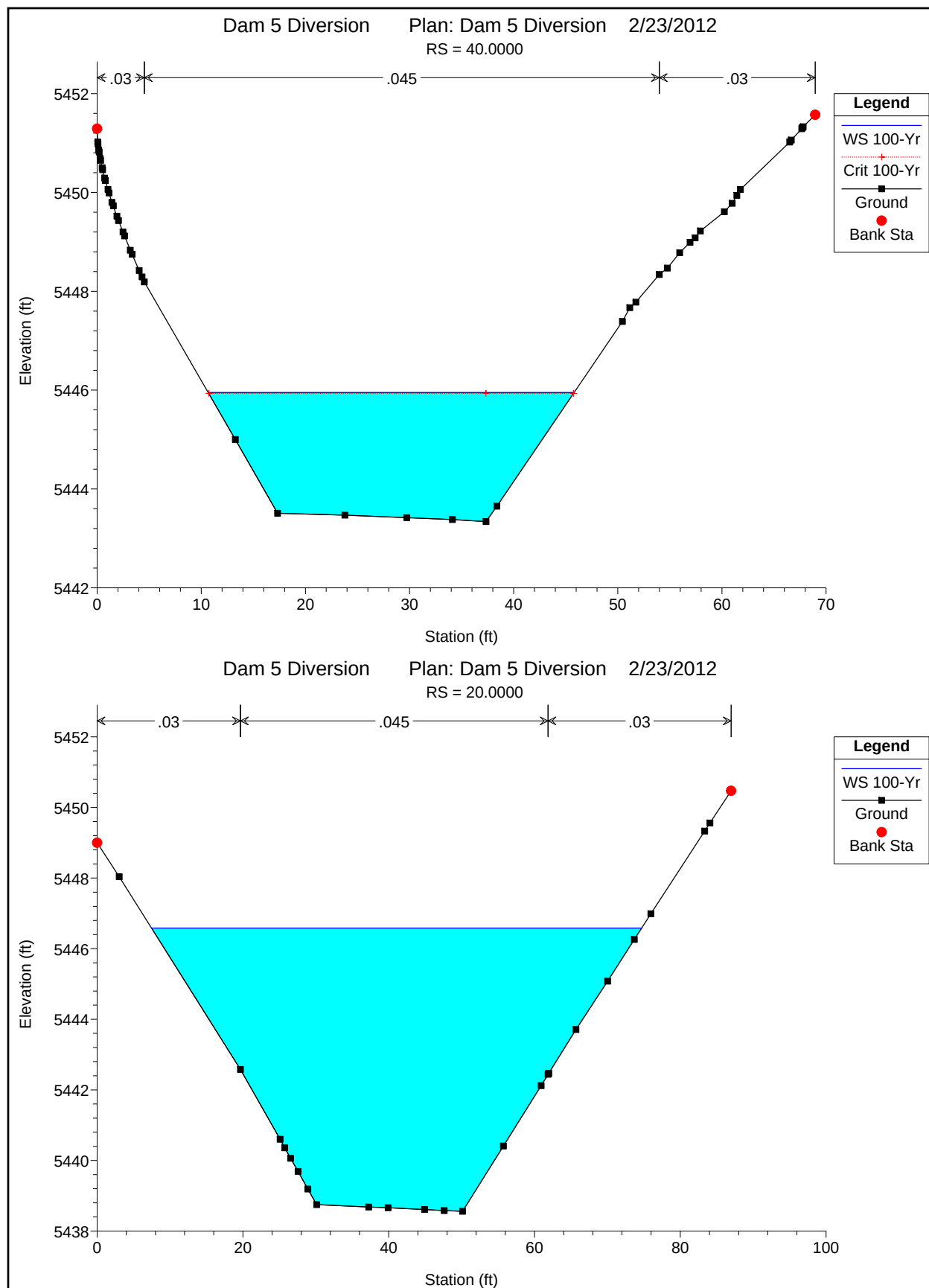












Dam 5 Diversion Plan: Dam 5 Diversion 2/23/2012
RS = 0.0000

