

ATTACHMENT J-2

POSTMINE HEC-RAS RESULTS

Table of Contents

<u>Drainage</u>	<u>Page</u>
Spring Creek Drainage. (Spring Creek and North Fork Spring Creek)	J-2-1
South Fork Spring Creek Drainage. (South Fork Spring Creek)	J-2-24
Pearson Creek Drainage. (Pearson Creek and South Fork Pearson Creek)	J-2-52

ATTACHMENT J-2

POSTMINE HEC-RAS RESULTS

Spring Creek Drainage

**Spring Creek Station 1 through 54
North Fork Spring Creek Station 11 through 21**

HEC-RAS Plan: PostminingSC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SC	Upper	54	2yr-24hr	64.65	3870.0	3872.1		3872.2	0.004	2.66	24.3	23.3	0.46
SC	Upper	54	10yr-24hr	334.91	3870.0	3873.7		3874.0	0.005	4.30	78.0	41.7	0.55
SC	Upper	54	100yr-6hr	605.86	3870.0	3874.5	3873.7	3875.0	0.005	5.28	115.6	55.7	0.60
SC	Upper	53	2yr-24hr	64.65	3866.7	3868.1	3868.1	3868.4	0.021	4.70	13.8	20.4	1.01
SC	Upper	53	10yr-24hr	334.91	3866.7	3869.3	3869.3	3870.0	0.017	6.56	51.0	39.3	1.01
SC	Upper	53	100yr-6hr	605.86	3866.7	3870.0	3870.0	3870.9	0.015	7.31	82.9	50.1	1.00
SC	Upper	52	2yr-24hr	64.65	3862.5	3864.2		3864.3	0.004	2.42	26.7	31.2	0.46
SC	Upper	52	10yr-24hr	334.91	3862.5	3865.6		3865.8	0.004	3.78	88.6	56.8	0.53
SC	Upper	52	100yr-6hr	605.86	3862.5	3866.3		3866.6	0.004	4.64	131.9	66.5	0.56
SC	Upper	51	2yr-24hr	64.65	3858.5	3859.9	3859.9	3860.3	0.021	4.94	13.1	17.8	1.02
SC	Upper	51	10yr-24hr	334.91	3858.5	3861.3	3861.3	3862.2	0.013	7.59	47.3	30.5	0.96
SC	Upper	51	100yr-6hr	605.86	3858.5	3862.2	3862.2	3863.4	0.011	8.86	78.3	38.0	0.92
SC	Upper	50	2yr-24hr	64.65	3856.5	3857.3		3857.4	0.003	1.86	34.7	50.4	0.40
SC	Upper	50	10yr-24hr	334.91	3856.5	3858.4		3858.6	0.004	3.61	92.8	59.8	0.51
SC	Upper	50	100yr-6hr	605.86	3856.5	3859.1		3859.4	0.004	4.40	137.6	66.2	0.54
SC	Upper	49	2yr-24hr	64.65	3851.1	3852.7	3852.6	3853.0	0.015	4.29	15.1	19.8	0.87
SC	Upper	49	10yr-24hr	334.91	3851.1	3854.4		3854.8	0.007	4.77	70.3	42.7	0.65
SC	Upper	49	100yr-6hr	605.86	3851.1	3855.4		3855.8	0.006	5.28	114.8	54.6	0.64
SC	Upper	48	2yr-24hr	64.65	3846.7	3848.7		3848.8	0.003	2.40	26.9	26.4	0.42
SC	Upper	48	10yr-24hr	334.91	3846.7	3850.0		3850.4	0.006	4.71	71.2	42.9	0.64
SC	Upper	48	100yr-6hr	605.86	3846.7	3850.7	3850.2	3851.2	0.008	5.84	103.7	51.8	0.73
SC	Upper	47	2yr-24hr	64.65	3843.5	3845.1	3845.1	3845.5	0.021	5.08	12.7	16.3	1.01
SC	Upper	47	10yr-24hr	334.91	3843.5	3846.4	3846.4	3846.8	0.009	6.27	87.2	106.0	0.78
SC	Upper	47	100yr-6hr	605.86	3843.5	3846.9	3846.9	3847.4	0.009	7.34	146.1	142.0	0.82
SC	Upper	46	2yr-24hr	64.65	3840.6	3841.5	3841.2	3841.5	0.003	1.26	51.5	113.6	0.33
SC	Upper	46	10yr-24hr	334.91	3840.6	3842.2	3841.7	3842.3	0.003	2.02	166.2	204.1	0.39
SC	Upper	46	100yr-6hr	605.86	3840.6	3842.6	3842.0	3842.7	0.003	2.42	250.7	250.7	0.43
SC	Upper	45	2yr-24hr	64.65	3836.4	3836.6	3836.6	3836.7	0.033	2.26	28.7	182.5	1.00
SC	Upper	45	10yr-24hr	334.91	3836.4	3836.9	3836.9	3837.0	0.026	3.30	101.5	307.3	1.01
SC	Upper	45	100yr-6hr	605.86	3836.4	3837.0	3837.0	3837.3	0.023	3.97	152.6	316.6	1.01
SC	Upper	44	2yr-24hr	64.65	3835.1	3835.5		3835.5	0.001	0.49	131.2	374.6	0.15
SC	Upper	44	10yr-24hr	334.91	3835.1	3836.1		3836.1	0.001	0.96	349.7	406.0	0.18
SC	Upper	44	100yr-6hr	605.86	3835.1	3836.5		3836.5	0.001	1.22	498.2	426.1	0.20
SC	Upper	43	2yr-24hr	64.65	3833.4	3834.9	3834.6	3835.1	0.007	3.59	18.3	218.1	0.63
SC	Upper	43	10yr-24hr	334.91	3833.4	3835.4	3835.4	3835.6	0.009	5.30	127.7	237.3	0.77
SC	Upper	43	100yr-6hr	605.86	3833.4	3835.6	3835.6	3835.9	0.012	6.59	178.1	245.6	0.89
SC	Upper	42	2yr-24hr	64.65	3830.8	3831.4		3831.5	0.007	1.90	34.0	85.9	0.53
SC	Upper	42	10yr-24hr	334.91	3830.8	3832.3		3832.4	0.004	2.36	142.0	167.0	0.45
SC	Upper	42	100yr-6hr	605.86	3830.8	3832.9		3832.9	0.003	2.42	250.7	221.8	0.40
SC	Upper	41	2yr-24hr	64.65	3828.0	3828.9		3828.9	0.004	2.07	31.2	44.7	0.44
SC	Upper	41	10yr-24hr	334.91	3828.0	3830.0		3830.2	0.005	4.14	80.9	47.2	0.56
SC	Upper	41	100yr-6hr	605.86	3828.0	3830.7		3831.1	0.005	5.20	120.5	63.9	0.60
SC	Upper	40	2yr-24hr	64.65	3825.2	3826.2	3826.1	3826.3	0.008	3.24	29.6	56.8	0.64
SC	Upper	40	10yr-24hr	334.91	3825.2	3827.2		3827.4	0.007	5.26	102.1	92.6	0.70
SC	Upper	40	100yr-6hr	605.86	3825.2	3827.6		3828.0	0.009	6.74	148.1	109.5	0.80

HEC-RAS Plan: PostminingSC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SC	Upper	39	2yr-24hr	64.65	3822.4	3824.0	3823.6	3824.1	0.003	2.61	45.4	223.0	0.43
SC	Upper	39	10yr-24hr	334.91	3822.4	3824.5	3824.4	3824.6	0.006	4.41	150.4	241.1	0.62
SC	Upper	39	100yr-6hr	605.86	3822.4	3824.8		3825.0	0.006	4.99	227.3	253.5	0.64
SC	Upper	38	2yr-24hr	64.65	3819.6	3821.0	3820.8	3821.3	0.013	4.41	14.7	16.5	0.82
SC	Upper	38	10yr-24hr	334.91	3819.6	3821.7	3821.6	3821.9	0.007	4.73	141.4	239.6	0.67
SC	Upper	38	100yr-6hr	605.86	3819.6	3822.0	3821.8	3822.2	0.008	5.49	209.0	250.6	0.72
SC	Upper	37	2yr-24hr	64.65	3816.9	3818.6	3818.1	3818.7	0.003	2.40	51.4	224.0	0.39
SC	Upper	37	10yr-24hr	334.91	3816.9	3819.1		3819.2	0.005	3.99	164.6	243.4	0.55
SC	Upper	37	100yr-6hr	605.86	3816.9	3819.4		3819.6	0.004	4.37	255.2	257.9	0.55
SC	Upper	36	2yr-24hr	64.65	3814.2	3815.4	3815.4	3815.8	0.020	5.16	12.5	15.4	1.01
SC	Upper	36	10yr-24hr	334.91	3814.2	3816.2	3816.2	3816.4	0.009	5.30	127.7	237.3	0.77
SC	Upper	36	100yr-6hr	605.86	3814.2	3816.4	3816.4	3816.7	0.012	6.59	178.1	245.6	0.89
SC	Lower	35	2yr-24hr	92.68	3811.5	3812.9	3812.9	3813.4	0.020	5.66	16.4	17.3	1.02
SC	Lower	35	10yr-24hr	453.58	3811.5	3813.6	3813.6	3813.9	0.010	5.81	154.2	241.7	0.81
SC	Lower	35	100yr-6hr	793.16	3811.5	3813.9		3814.2	0.010	6.36	232.6	254.4	0.81
SC	Lower	34	2yr-24hr	92.68	3808.8	3810.6	3810.2	3810.6	0.002	2.40	79.2	229.0	0.38
SC	Lower	34	10yr-24hr	453.58	3808.8	3811.2		3811.3	0.004	3.85	221.2	252.6	0.50
SC	Lower	34	100yr-6hr	793.16	3808.8	3811.6		3811.7	0.004	4.41	321.6	268.0	0.52
SC	Lower	33	2yr-24hr	92.68	3806.1	3807.5	3807.5	3808.0	0.020	5.66	16.4	17.3	1.02
SC	Lower	33	10yr-24hr	453.58	3806.1	3808.2	3808.2	3808.4	0.011	5.89	152.5	241.4	0.82
SC	Lower	33	100yr-6hr	793.16	3806.1	3808.5		3808.8	0.011	6.75	220.9	252.5	0.87
SC	Lower	32	2yr-24hr	92.68	3803.4	3805.2	3804.8	3805.2	0.002	2.41	79.1	228.9	0.38
SC	Lower	32	10yr-24hr	453.58	3803.4	3805.8		3805.9	0.003	3.76	225.9	253.3	0.48
SC	Lower	32	100yr-6hr	793.16	3803.4	3806.2		3806.3	0.004	4.31	327.8	268.9	0.50
SC	Lower	31	2yr-24hr	92.68	3800.7	3802.2	3802.1	3802.6	0.017	5.32	17.4	17.7	0.95
SC	Lower	31	10yr-24hr	453.58	3800.7	3802.9	3802.8	3803.0	0.008	5.23	169.4	244.2	0.72
SC	Lower	31	100yr-6hr	793.16	3800.7	3803.2		3803.4	0.008	5.87	249.5	257.0	0.74
SC	Lower	30	2yr-24hr	92.68	3798.0	3799.7	3799.4	3799.8	0.003	2.62	72.3	227.7	0.41
SC	Lower	30	10yr-24hr	453.58	3798.0	3800.2		3800.4	0.006	4.81	182.1	246.3	0.65
SC	Lower	30	100yr-6hr	793.16	3798.0	3800.5		3800.7	0.007	5.62	259.4	258.5	0.70
SC	Lower	29	2yr-24hr	92.68	3795.3	3796.8	3796.7	3797.2	0.014	4.96	23.0	218.9	0.86
SC	Lower	29	10yr-24hr	453.58	3795.3	3797.5	3797.4	3797.6	0.007	4.91	179.1	245.8	0.66
SC	Lower	29	100yr-6hr	793.16	3795.3	3797.8	3797.6	3798.0	0.006	5.39	268.9	260.0	0.66
SC	Lower	28	2yr-24hr	92.68	3792.6	3794.3	3794.0	3794.4	0.003	2.66	70.8	227.5	0.42
SC	Lower	28	10yr-24hr	453.58	3792.6	3794.8		3795.0	0.005	4.51	192.9	248.0	0.60
SC	Lower	28	100yr-6hr	793.16	3792.6	3795.1		3795.3	0.006	5.30	273.0	260.6	0.65
SC	Lower	27	2yr-24hr	92.68	3789.9	3791.4	3791.3	3791.8	0.013	4.87	24.7	219.2	0.85
SC	Lower	27	10yr-24hr	453.58	3789.9	3792.0		3792.2	0.009	5.55	160.8	242.8	0.77
SC	Lower	27	100yr-6hr	793.16	3789.9	3792.3		3792.6	0.009	6.11	241.0	255.7	0.77
SC	Lower	26	2yr-24hr	92.68	3787.2	3788.9	3788.6	3789.0	0.003	2.60	72.8	227.8	0.41
SC	Lower	26	10yr-24hr	453.58	3787.2	3789.6		3789.7	0.003	3.49	241.2	255.7	0.44
SC	Lower	26	100yr-6hr	793.16	3787.2	3790.1		3790.2	0.003	3.90	359.0	273.5	0.44
SC	Lower	25	2yr-24hr	92.68	3784.5	3786.0	3785.9	3786.3	0.011	4.55	30.7	220.3	0.78
SC	Lower	25	10yr-24hr	453.58	3784.5	3786.5	3786.5	3786.8	0.011	5.88	152.6	241.4	0.82
SC	Lower	25	100yr-6hr	793.16	3784.5	3786.8	3786.8	3787.1	0.013	7.16	209.6	250.7	0.94

HEC-RAS Plan: PostminingSC (Stations shown on Plate J-4)

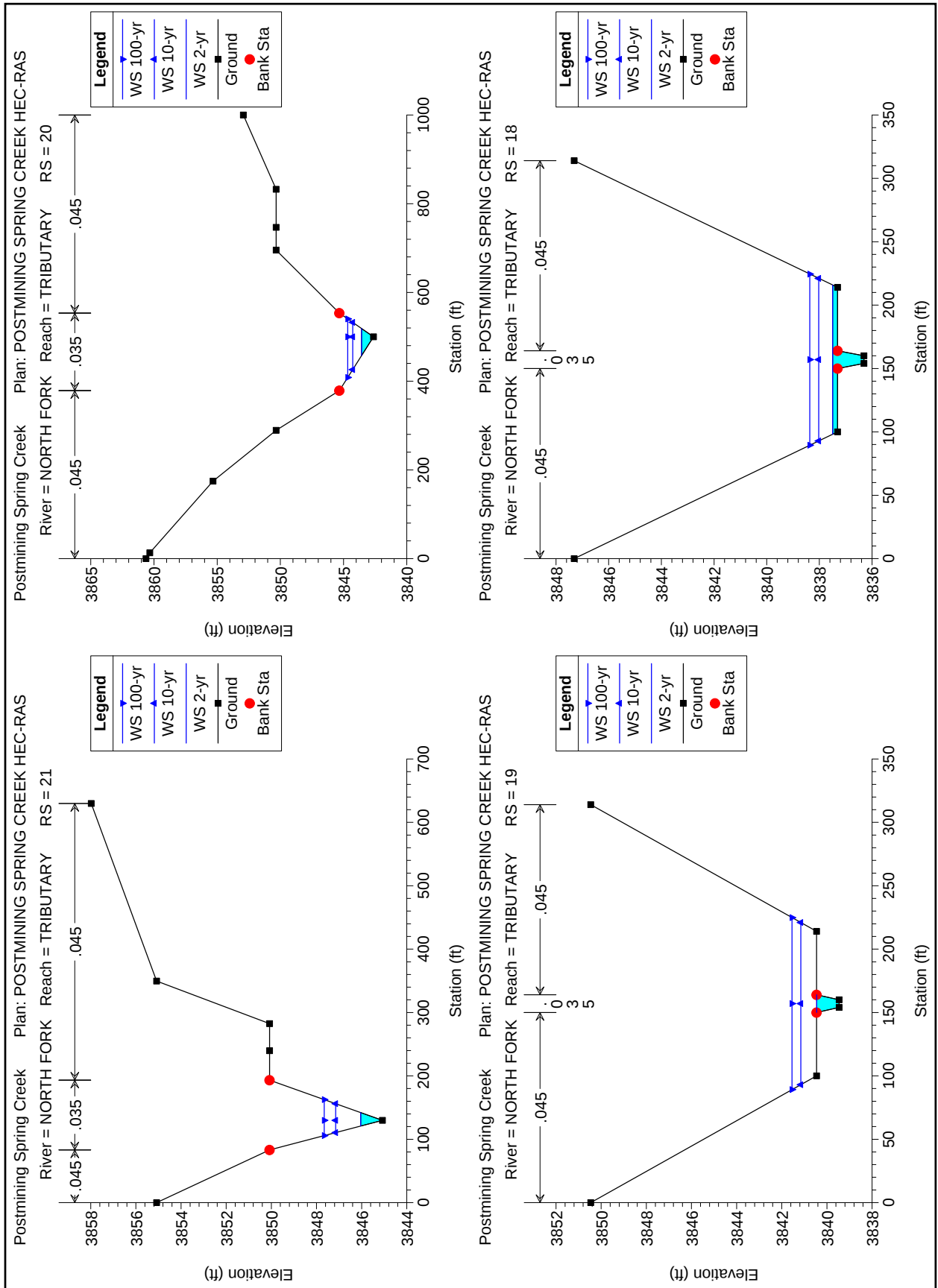
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SC	Lower	24	2yr-24hr	92.68	3781.8	3783.5	3783.2	3783.6	0.004	2.87	64.9	226.5	0.46
SC	Lower	24	10yr-24hr	453.58	3781.8	3784.1		3784.2	0.003	3.76	225.8	253.3	0.48
SC	Lower	24	100yr-6hr	793.16	3781.8	3784.5		3784.7	0.003	4.26	331.1	269.4	0.50
SC	Lower	23	2yr-24hr	92.68	3779.0	3780.7	3780.5	3780.9	0.008	3.98	41.0	222.2	0.67
SC	Lower	23	10yr-24hr	453.58	3779.0	3781.2	3781.1	3781.4	0.008	5.22	169.6	244.2	0.71
SC	Lower	23	100yr-6hr	793.16	3779.0	3781.5	3781.4	3781.7	0.009	6.04	243.5	256.1	0.76
SC	Lower	22	2yr-24hr	92.68	3776.3	3778.0	3777.7	3778.1	0.004	3.14	58.3	225.3	0.51
SC	Lower	22	10yr-24hr	453.58	3776.3	3778.5	3778.4	3778.7	0.006	4.76	183.9	246.6	0.64
SC	Lower	22	100yr-6hr	793.16	3776.3	3778.9	3778.7	3779.1	0.006	5.31	272.7	260.6	0.65
SC	Lower	21	2yr-24hr	92.68	3773.9	3775.5	3775.3	3775.7	0.008	4.05	39.7	222.0	0.68
SC	Lower	21	10yr-24hr	453.58	3773.9	3776.0	3776.0	3776.2	0.011	5.89	152.5	241.4	0.82
SC	Lower	21	100yr-6hr	793.16	3773.9	3776.2	3776.2	3776.5	0.013	7.16	209.6	250.7	0.94
SC	Lower	20	2yr-24hr	92.68	3771.2	3772.9	3772.6	3773.0	0.005	3.20	56.8	225.0	0.52
SC	Lower	20	10yr-24hr	453.58	3771.2	3773.4		3773.6	0.005	4.41	196.5	248.6	0.59
SC	Lower	20	100yr-6hr	793.16	3771.2	3773.8		3773.9	0.006	5.16	279.6	261.6	0.63
SC	Lower	19	2yr-24hr	92.68	3768.5	3770.1	3769.9	3770.3	0.006	3.62	47.8	223.4	0.60
SC	Lower	19	10yr-24hr	453.58	3768.5	3770.7		3770.9	0.006	4.63	188.5	247.3	0.62
SC	Lower	19	100yr-6hr	793.16	3768.5	3771.1		3771.3	0.005	5.03	285.9	262.6	0.61
SC	Lower	18	2yr-24hr	92.68	3765.8	3767.5	3767.2	3767.6	0.004	3.08	59.7	225.5	0.50
SC	Lower	18	10yr-24hr	453.58	3765.8	3768.1		3768.2	0.004	3.88	219.7	252.3	0.50
SC	Lower	18	100yr-6hr	793.16	3765.8	3768.5		3768.6	0.004	4.53	313.9	266.8	0.54
SC	Lower	17	2yr-24hr	92.68	3763.1	3764.7	3764.5	3764.9	0.007	3.76	45.0	222.9	0.63
SC	Lower	17	10yr-24hr	453.58	3763.1	3765.2		3765.4	0.009	5.46	162.9	243.1	0.75
SC	Lower	17	100yr-6hr	793.16	3763.1	3765.5		3765.8	0.008	5.96	246.3	256.5	0.75
SC	Lower	16	2yr-24hr	92.68	3760.4	3762.0	3761.8	3762.1	0.005	3.15	57.9	225.2	0.51
SC	Lower	16	10yr-24hr	453.58	3760.4	3762.7		3762.8	0.004	3.92	217.7	252.0	0.51
SC	Lower	16	100yr-6hr	793.16	3760.4	3763.1		3763.2	0.004	4.52	314.1	266.9	0.53
SC	Lower	15	2yr-24hr	92.68	3757.6	3759.3	3759.1	3759.4	0.007	3.71	45.9	223.1	0.62
SC	Lower	15	10yr-24hr	453.58	3757.6	3759.7	3759.7	3760.0	0.010	5.75	155.7	242.0	0.80
SC	Lower	15	100yr-6hr	793.16	3757.6	3760.0	3760.0	3760.3	0.010	6.47	229.1	253.8	0.83
SC	Lower	14	2yr-24hr	92.68	3754.9	3756.6	3756.3	3756.7	0.005	3.32	54.1	224.5	0.54
SC	Lower	14	10yr-24hr	453.58	3754.9	3757.2		3757.3	0.005	4.31	200.6	249.3	0.57
SC	Lower	14	100yr-6hr	793.16	3754.9	3757.6		3757.7	0.005	4.91	292.2	263.6	0.59
SC	Lower	13	2yr-24hr	92.68	3752.2	3753.9	3753.6	3754.0	0.005	3.35	53.5	224.4	0.55
SC	Lower	13	10yr-24hr	453.58	3752.2	3754.5		3754.6	0.005	4.28	201.9	249.5	0.56
SC	Lower	13	100yr-6hr	793.16	3752.2	3754.9		3755.1	0.005	4.75	300.9	264.9	0.57
SC	Lower	12	2yr-24hr	92.68	3749.5	3751.2	3750.9	3751.3	0.005	3.24	55.9	224.9	0.53
SC	Lower	12	10yr-24hr	453.58	3749.5	3751.9		3752.0	0.004	4.00	213.9	251.4	0.52
SC	Lower	12	100yr-6hr	793.16	3749.5	3752.2		3752.4	0.004	4.58	310.8	266.4	0.54
SC	Lower	11	2yr-24hr	92.68	3746.8	3748.5	3748.2	3748.6	0.006	3.48	50.6	223.9	0.57
SC	Lower	11	10yr-24hr	453.58	3746.8	3749.0	3748.9	3749.2	0.007	4.92	178.6	245.7	0.67
SC	Lower	11	100yr-6hr	793.16	3746.8	3749.3	3749.1	3749.5	0.007	5.51	264.0	259.2	0.68
SC	Lower	10	2yr-24hr	92.68	3744.1	3745.8	3745.5	3745.9	0.006	3.45	51.4	224.0	0.57
SC	Lower	10	10yr-24hr	453.58	3744.1	3746.4	3746.2	3746.5	0.006	4.54	191.5	247.8	0.61
SC	Lower	10	100yr-6hr	793.16	3744.1	3746.7		3746.9	0.006	5.23	276.5	261.2	0.64

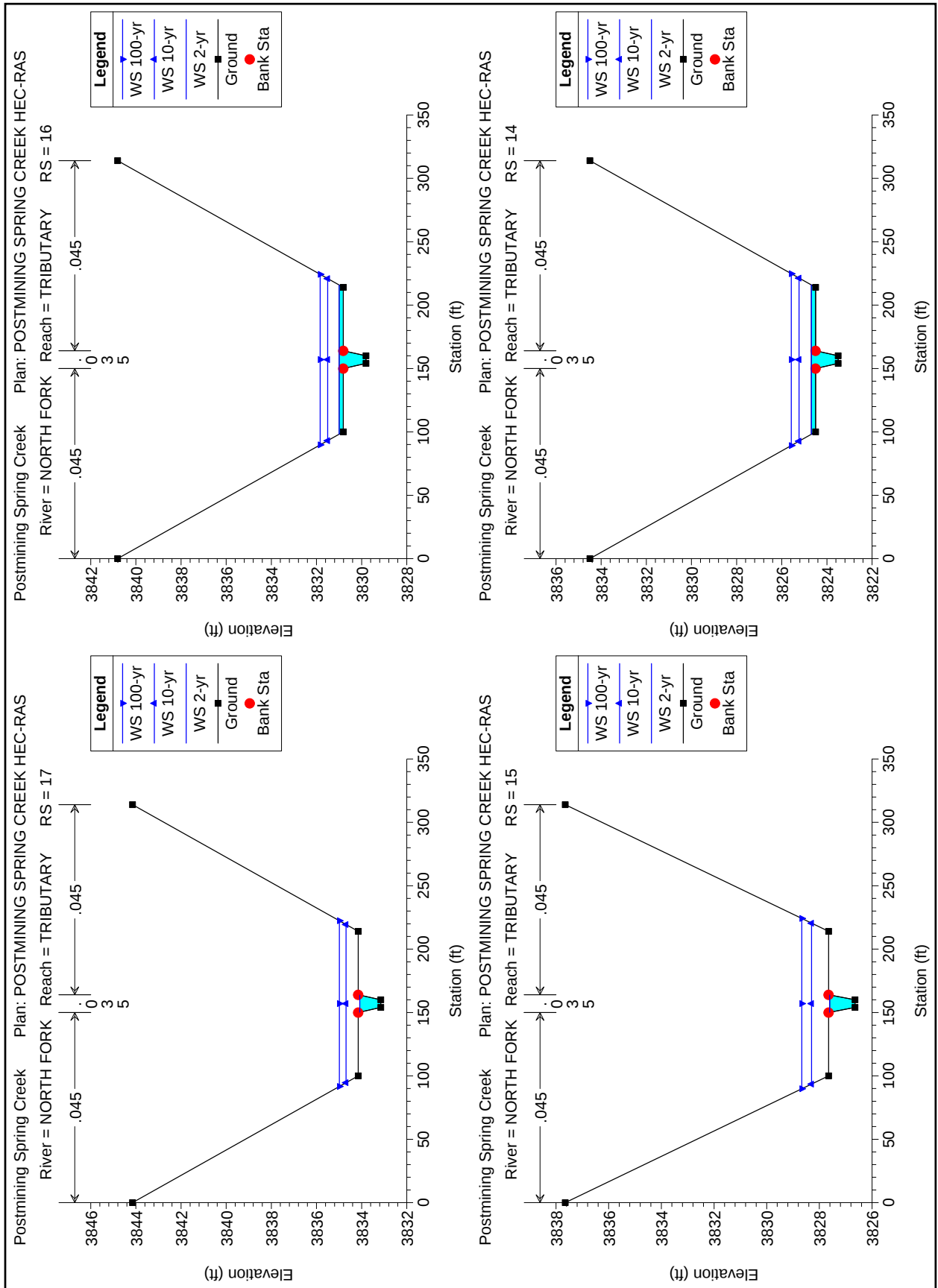
HEC-RAS Plan: PostminingSC (Stations shown on Plate J-4)

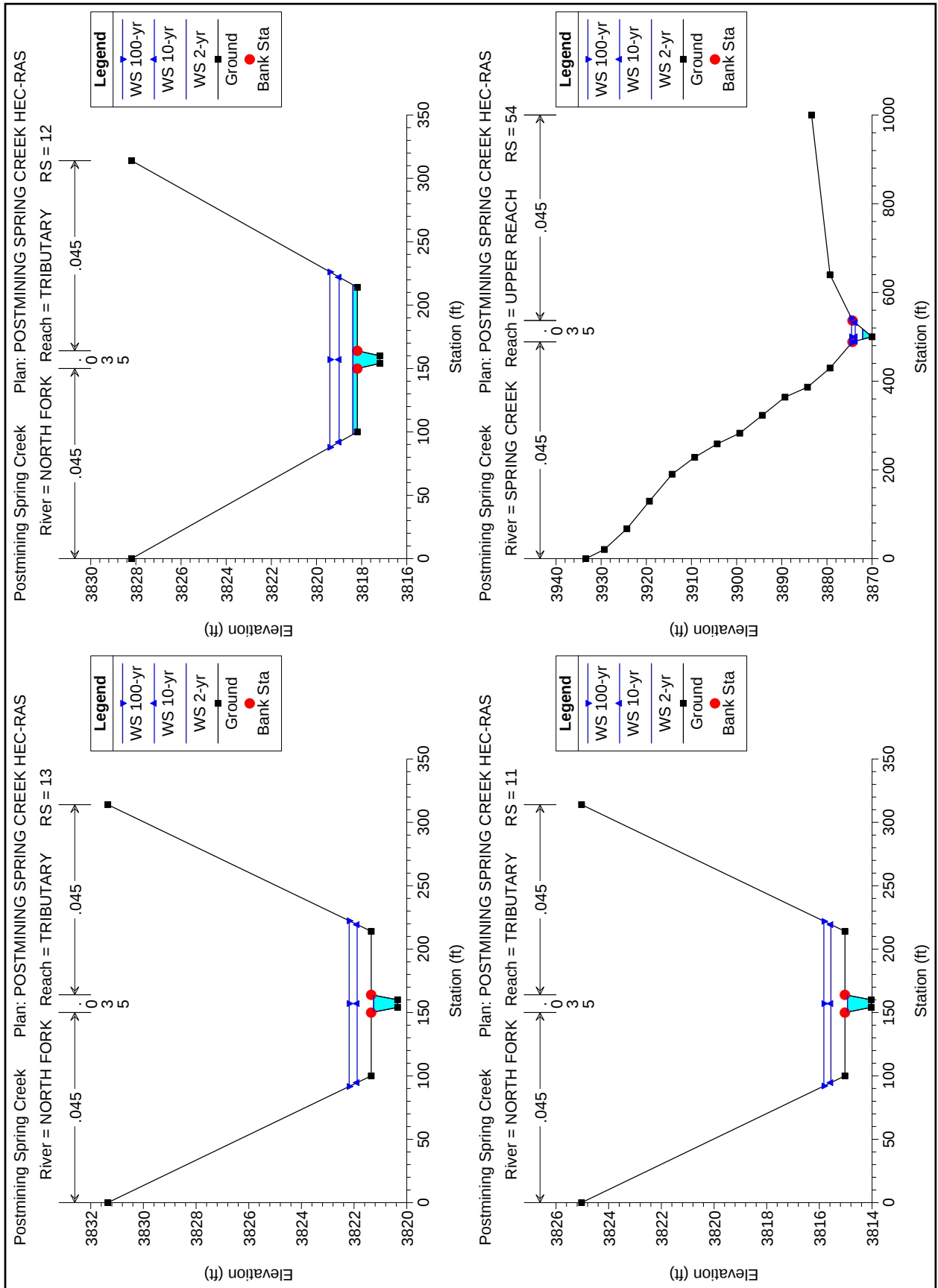
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SC	Lower	9	2yr-24hr	92.68	3741.4	3743.0	3742.8	3743.2	0.006	3.56	48.9	223.6	0.59
SC	Lower	9	10yr-24hr	453.58	3741.4	3743.5	3743.5	3743.7	0.009	5.59	159.7	242.6	0.77
SC	Lower	9	100yr-6hr	793.16	3741.4	3743.8	3743.7	3744.1	0.010	6.35	232.9	254.4	0.81
SC	Lower	8	2yr-24hr	92.68	3738.7	3740.3	3740.1	3740.5	0.006	3.49	50.4	223.9	0.58
SC	Lower	8	10yr-24hr	453.58	3738.7	3740.9		3741.1	0.006	4.55	191.4	247.8	0.61
SC	Lower	8	100yr-6hr	793.16	3738.7	3741.3		3741.5	0.006	5.19	278.2	261.4	0.63
SC	Lower	7	2yr-24hr	92.68	3736.0	3737.7	3737.4	3737.8	0.005	3.27	55.2	224.7	0.53
SC	Lower	7	10yr-24hr	453.58	3736.0	3738.3	3738.1	3738.4	0.005	4.30	200.9	249.3	0.57
SC	Lower	7	100yr-6hr	793.16	3736.0	3738.7	3738.3	3738.8	0.005	4.78	299.3	264.6	0.57
SC	Lower	6	2yr-24hr	92.68	3733.3	3734.9	3734.7	3735.1	0.006	3.63	47.5	223.4	0.60
SC	Lower	6	10yr-24hr	453.58	3733.3	3735.4		3735.6	0.008	5.28	167.8	244.0	0.72
SC	Lower	6	100yr-6hr	793.16	3733.3	3735.7		3736.0	0.010	6.31	234.3	254.6	0.80
SC	Lower	5	2yr-24hr	92.68	3730.6	3732.2	3732.0	3732.4	0.006	3.56	49.1	223.6	0.59
SC	Lower	5	10yr-24hr	453.58	3730.6	3732.7	3732.7	3732.9	0.010	5.70	156.8	242.1	0.79
SC	Lower	5	100yr-6hr	793.16	3730.6	3733.0		3733.3	0.010	6.40	231.2	254.1	0.82
SC	Lower	4	2yr-24hr	92.68	3727.9	3729.5	3729.3	3729.7	0.005	3.39	52.7	224.3	0.55
SC	Lower	4	10yr-24hr	453.58	3727.9	3730.2		3730.3	0.004	4.02	213.2	251.3	0.52
SC	Lower	4	100yr-6hr	793.16	3727.9	3730.6		3730.7	0.004	4.52	314.3	266.9	0.53
SC	Lower	3	2yr-24hr	92.68	3725.1	3726.8	3726.6	3726.9	0.005	3.28	55.0	224.7	0.54
SC	Lower	3	10yr-24hr	453.58	3725.1	3727.4	3727.2	3727.5	0.006	4.62	188.9	247.4	0.62
SC	Lower	3	100yr-6hr	793.16	3725.1	3727.7		3727.9	0.006	5.30	273.1	260.6	0.65
SC	Lower	2	2yr-24hr	92.68	3722.4	3724.1	3723.8	3724.2	0.007	3.71	46.1	223.1	0.62
SC	Lower	2	10yr-24hr	453.58	3722.4	3724.6		3724.8	0.008	5.20	170.2	244.3	0.71
SC	Lower	2	100yr-6hr	793.16	3722.4	3724.9	3724.8	3725.1	0.008	5.91	248.2	256.8	0.74
SC	Lower	1	2yr-24hr	92.68	3719.5	3721.2	3721.2	3721.3	0.006	3.44	51.6	224.1	0.56
SC	Lower	1	10yr-24hr	453.58	3719.5	3721.8	3721.6	3721.9	0.006	4.67	187.0	247.1	0.63
SC	Lower	1	100yr-6hr	793.16	3719.5	3722.1	3721.9	3722.3	0.006	5.27	274.3	260.8	0.65
NFSC	Trib	21	2yr-24hr	40.35	3845.1	3846.0	3846.0	3846.3	0.024	3.99	10.1	21.1	1.02
NFSC	Trib	21	10yr-24hr	236.45	3845.1	3847.2	3847.0	3847.5	0.013	5.01	47.2	45.6	0.87
NFSC	Trib	21	100yr-6hr	434.05	3845.1	3847.7	3847.6	3848.2	0.014	5.94	73.1	56.8	0.92
NFSC	Trib	20	2yr-24hr	40.35	3842.6	3843.6		3843.6	0.003	1.41	28.7	60.9	0.36
NFSC	Trib	20	10yr-24hr	236.45	3842.6	3844.3		3844.4	0.005	2.70	87.7	106.5	0.52
NFSC	Trib	20	100yr-6hr	434.05	3842.6	3844.7		3844.8	0.006	3.22	135.0	132.1	0.56
NFSC	Trib	19	2yr-24hr	40.35	3839.5	3840.5	3840.4	3840.7	0.015	4.07	9.9	14.0	0.85
NFSC	Trib	19	10yr-24hr	236.45	3839.5	3841.2	3841.0	3841.3	0.007	4.30	94.4	128.0	0.64
NFSC	Trib	19	100yr-6hr	434.05	3839.5	3841.6	3841.3	3841.7	0.006	4.90	145.5	135.7	0.64
NFSC	Trib	18	2yr-24hr	40.35	3836.3	3837.5	3837.2	3837.6	0.003	2.28	31.4	117.7	0.42
NFSC	Trib	18	10yr-24hr	236.45	3836.3	3838.0	3837.8	3838.2	0.006	4.20	96.5	128.3	0.62
NFSC	Trib	18	100yr-6hr	434.05	3836.3	3838.4	3838.1	3838.6	0.007	5.06	141.2	135.1	0.67
NFSC	Trib	17	2yr-24hr	40.35	3833.2	3834.1	3834.1	3834.4	0.019	4.45	9.1	13.5	0.95
NFSC	Trib	17	10yr-24hr	236.45	3833.2	3834.7	3834.7	3835.0	0.013	5.60	74.4	124.8	0.88
NFSC	Trib	17	100yr-6hr	434.05	3833.2	3835.0	3835.0	3835.3	0.013	6.49	112.6	130.8	0.92
NFSC	Trib	16	2yr-24hr	40.35	3829.8	3831.0	3830.7	3831.1	0.003	2.27	31.6	117.7	0.42
NFSC	Trib	16	10yr-24hr	236.45	3829.8	3831.5		3831.7	0.007	4.32	94.1	127.9	0.64
NFSC	Trib	16	100yr-6hr	434.05	3829.8	3831.8		3832.0	0.007	5.19	137.9	134.6	0.69

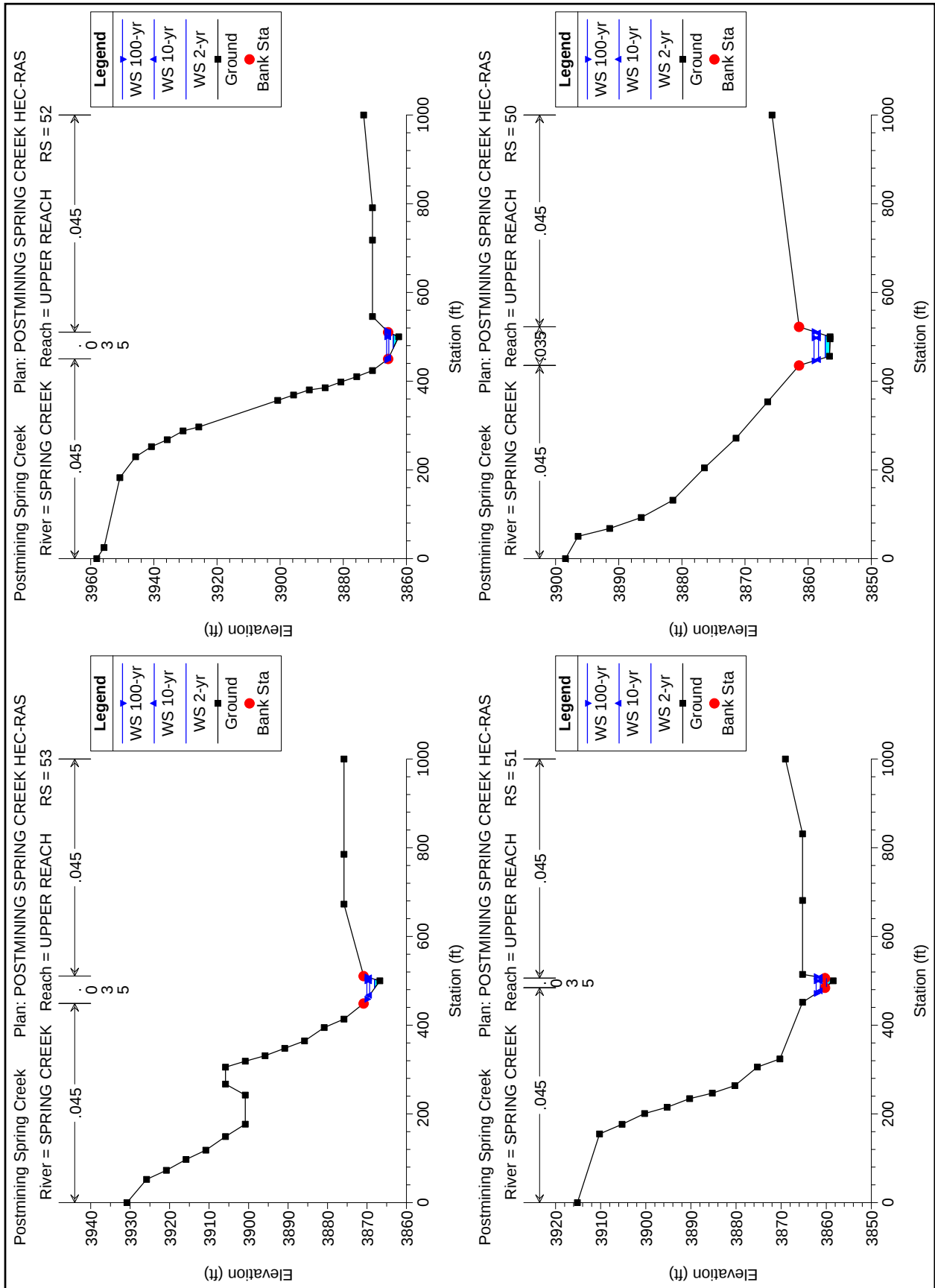
HEC-RAS Plan: PostminingSC (Stations shown on Plate J-4)

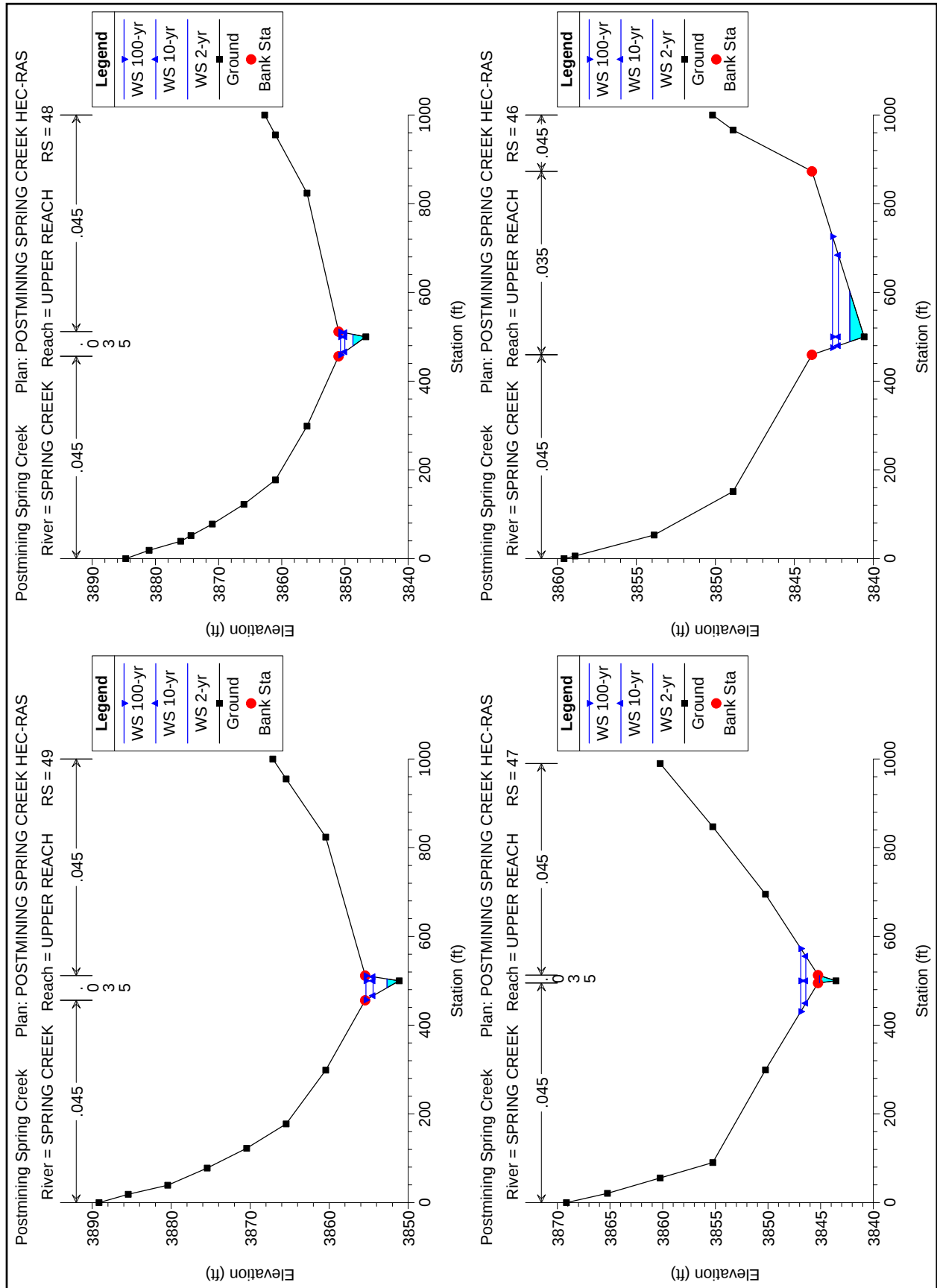
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
NFSC	Trib	15	2yr-24hr	40.35	3826.7	3827.6	3827.6	3827.9	0.017	4.30	9.4	13.7	0.91
NFSC	Trib	15	10yr-24hr	236.45	3826.7	3828.3	3828.2	3828.5	0.008	4.64	88.2	127.0	0.7
NFSC	Trib	15	100yr-6hr	434.05	3826.7	3828.7	3828.5	3828.9	0.008	5.25	136.4	134.36	0.7
NFSC	Trib	14	2yr-24hr	40.35	3823.5	3824.7	3824.4	3824.8	0.003	2.23	32.3	117.8	0.41
NFSC	Trib	14	10yr-24hr	236.45	3823.5	3825.2		3825.4	0.006	4.08	99.0	128.7	0.60
NFSC	Trib	14	100yr-6hr	434.05	3823.5	3825.6		3825.8	0.006	4.92	144.7	135.6	0.65
NFSC	Trib	13	2yr-24hr	40.35	3820.4	3821.3	3821.3	3821.6	0.021	4.60	8.8	13.3	1.00
NFSC	Trib	13	10yr-24hr	236.45	3820.4	3821.9	3821.9	3822.2	0.013	5.64	74.0	124.7	0.89
NFSC	Trib	13	100yr-6hr	434.05	3820.35	3822.19	3822.15	3822.51	0.01341	6.51	112.35	130.73	0.92
NFSC	Trib	12	2yr-24hr	40.35	3817.19	3818.39	3818.09	3818.44	0.00305	2.18	33.11	117.98	0.4
NFSC	Trib	12	10yr-24hr	236.45	3817.19	3819		3819.1	0.0044	3.68	108.59	130.15	0.53
NFSC	Trib	12	100yr-6hr	434.05	3817.19	3819.41		3819.55	0.00438	4.31	163.66	138.36	0.55
NFSC	Trib	11	2yr-24hr	40.35	3814.03	3814.94	3814.94	3815.27	0.02133	4.64	8.7	13.24	1.01
NFSC	Trib	11	10yr-24hr	236.45	3814.03	3815.56	3815.56	3815.83	0.01369	5.69	73.42	124.63	0.9
NFSC	Trib	11	100yr-6hr	434.05	3814.03	3815.83	3815.83	3816.19	0.01526	6.83	107.54	129.99	0.98

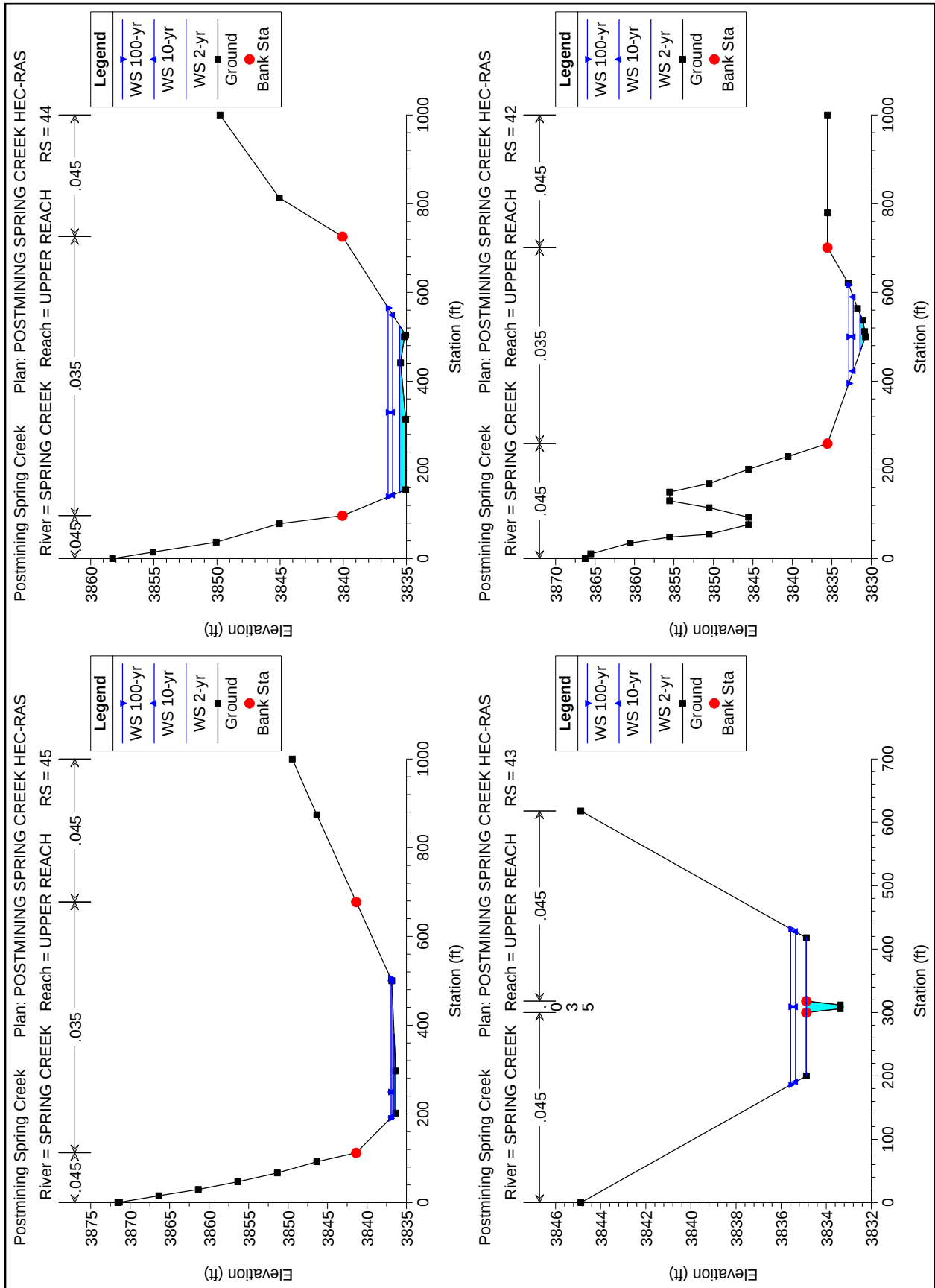


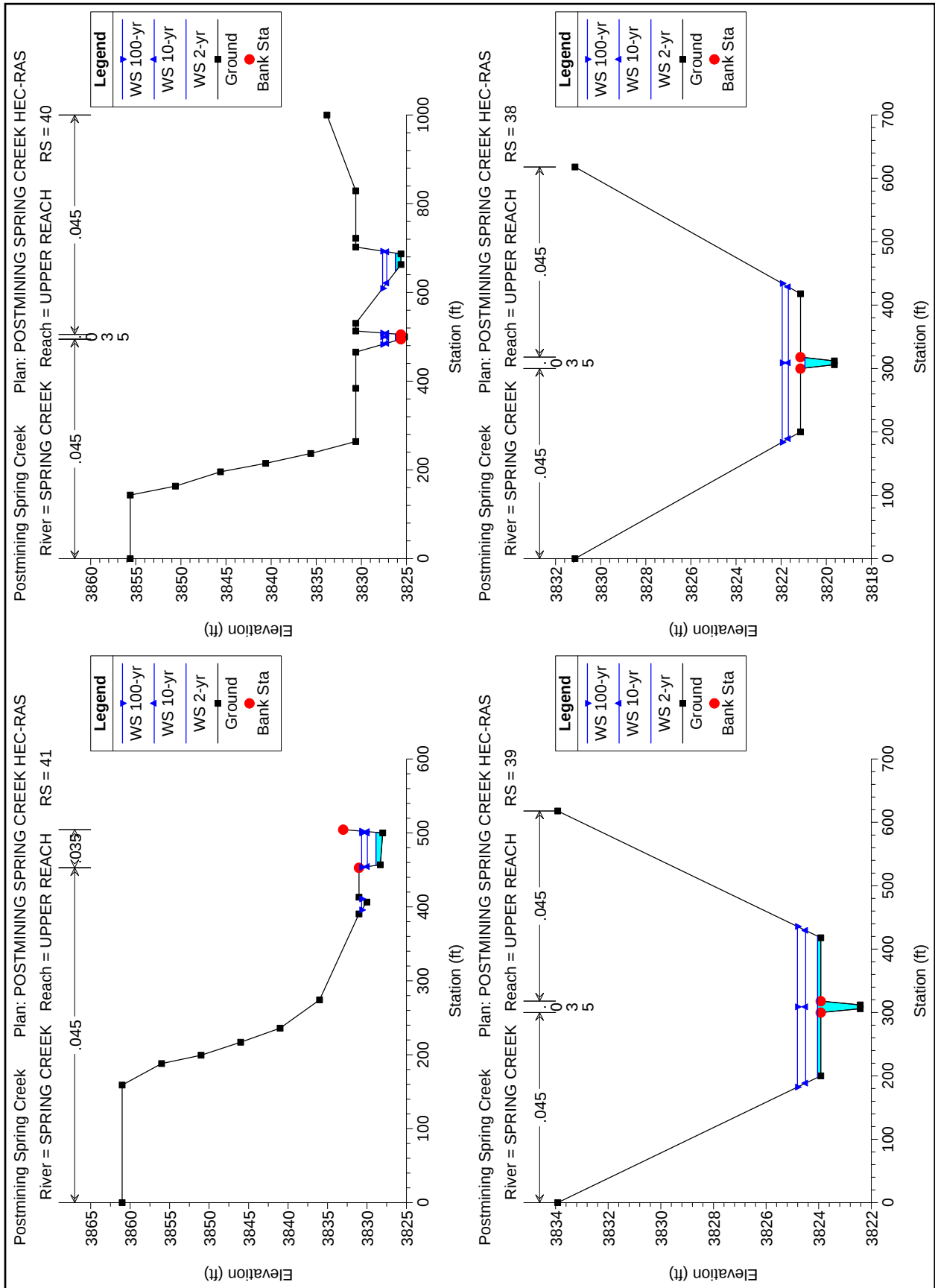


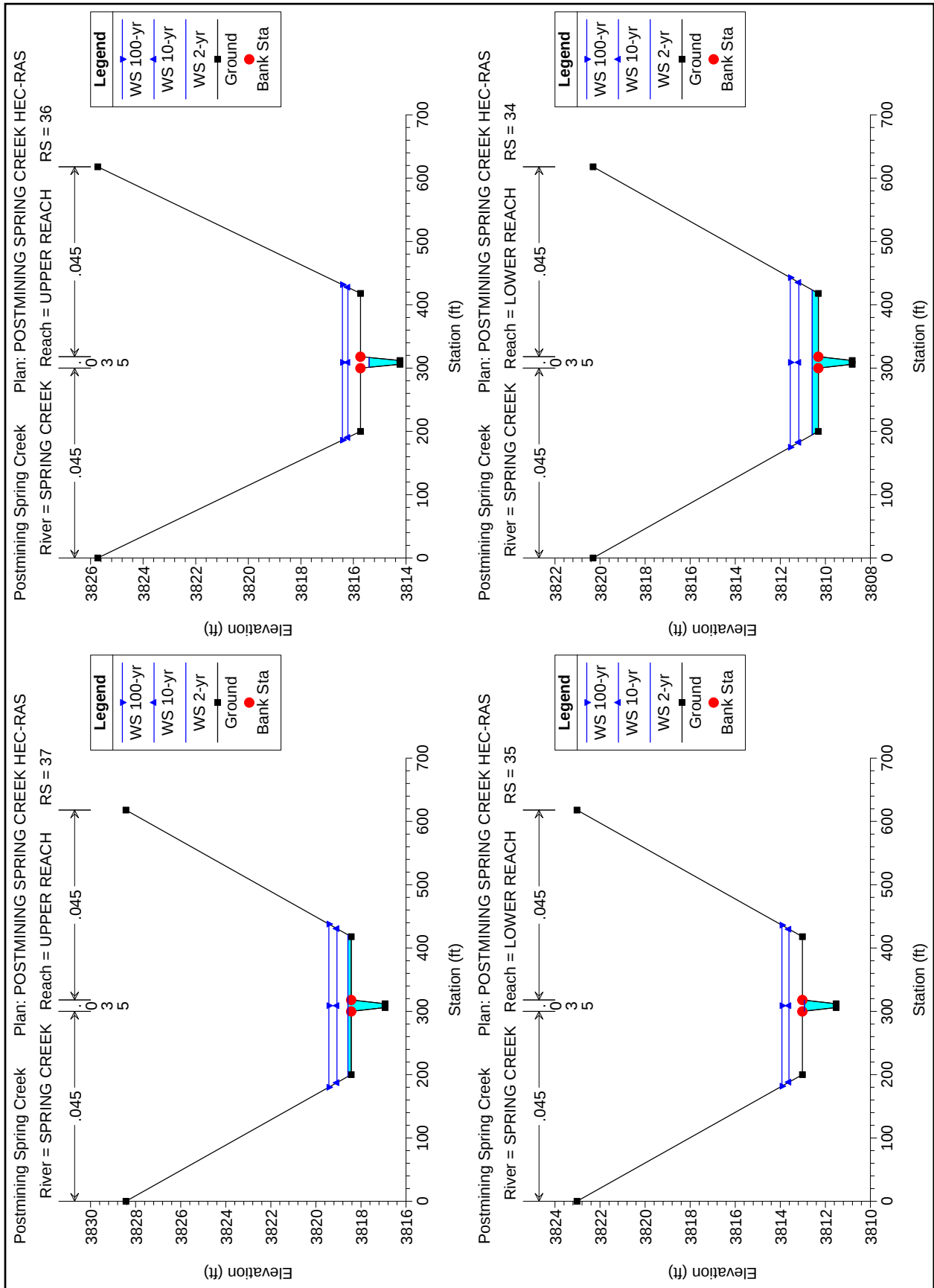


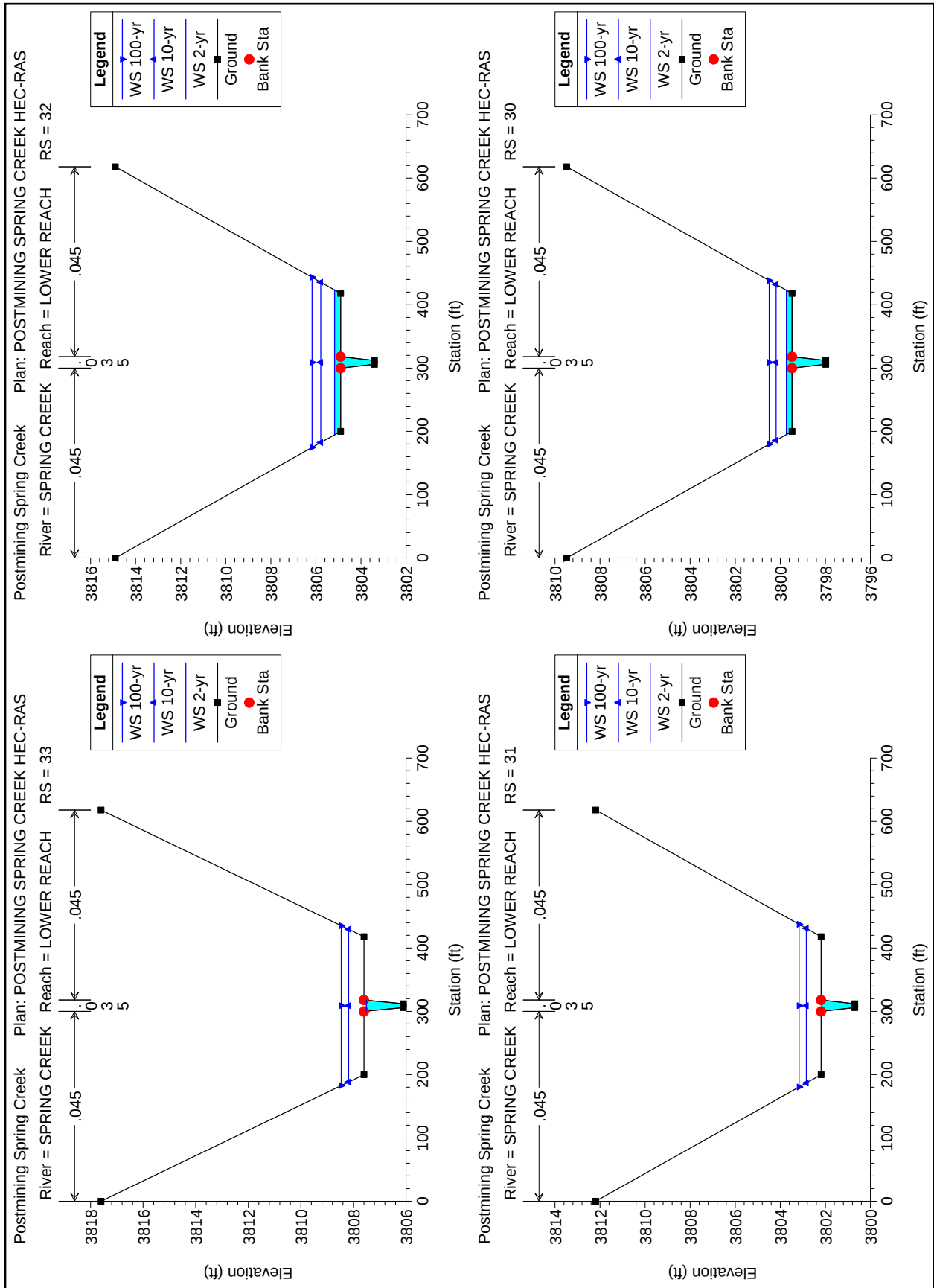


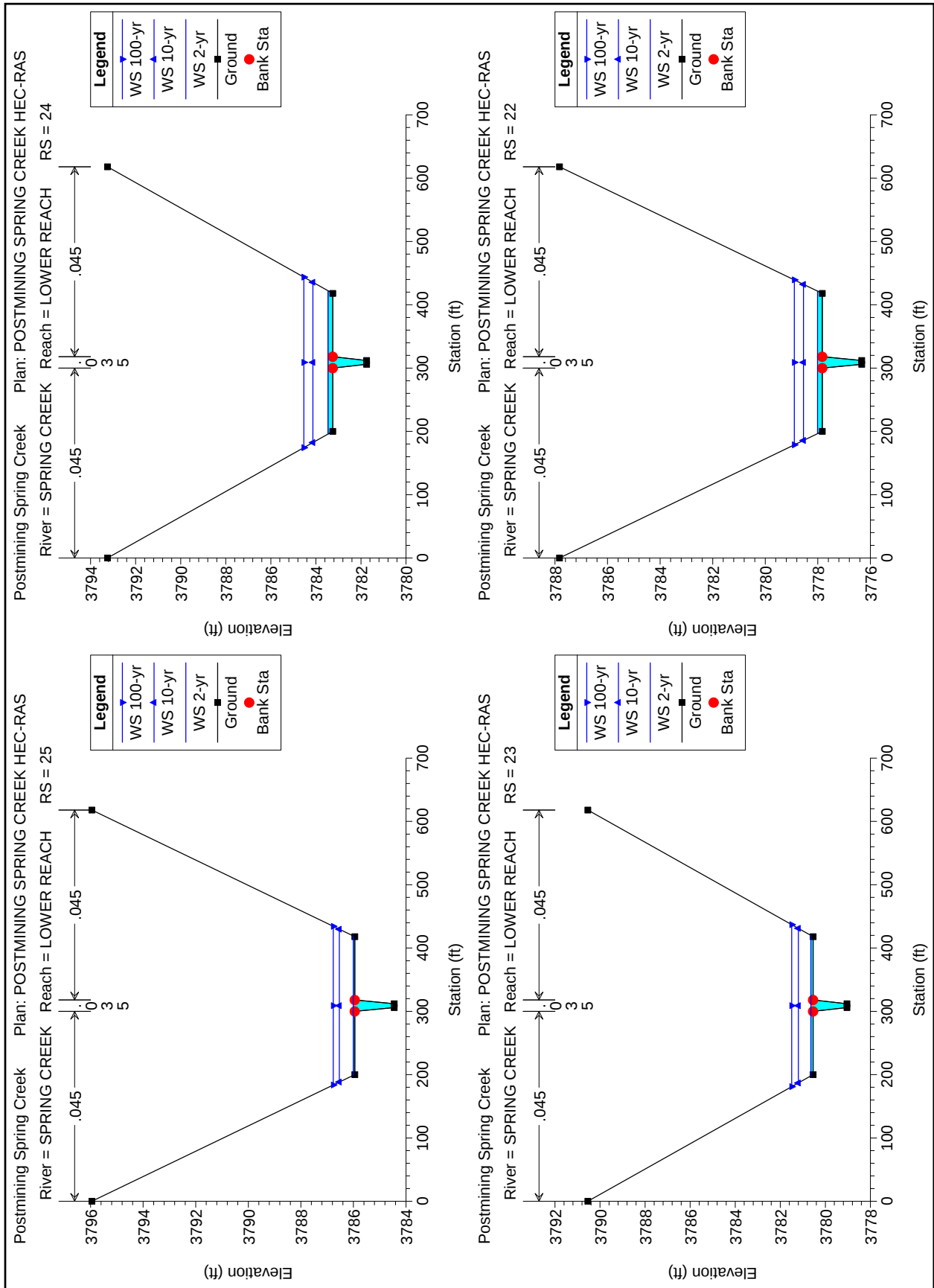


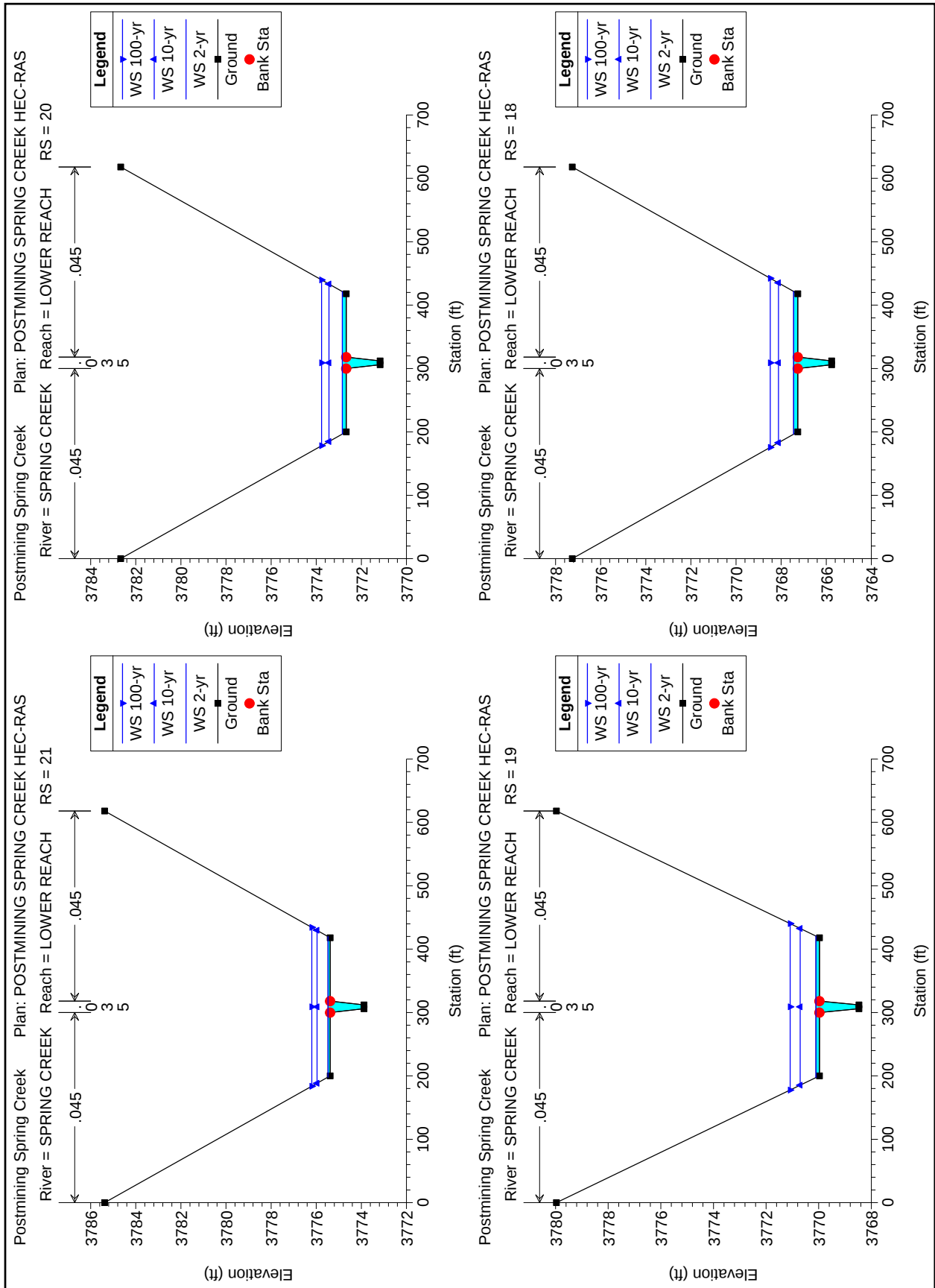


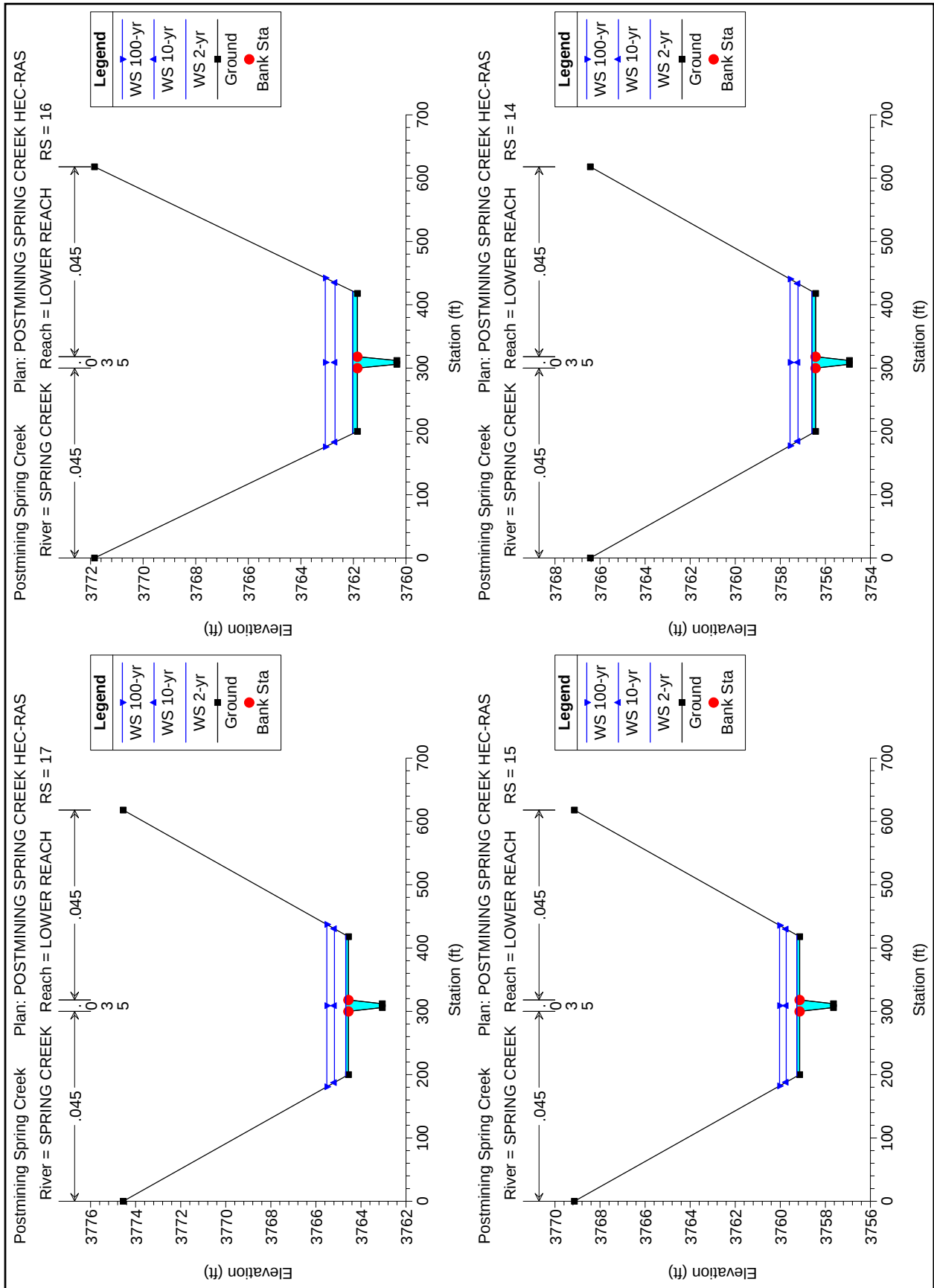


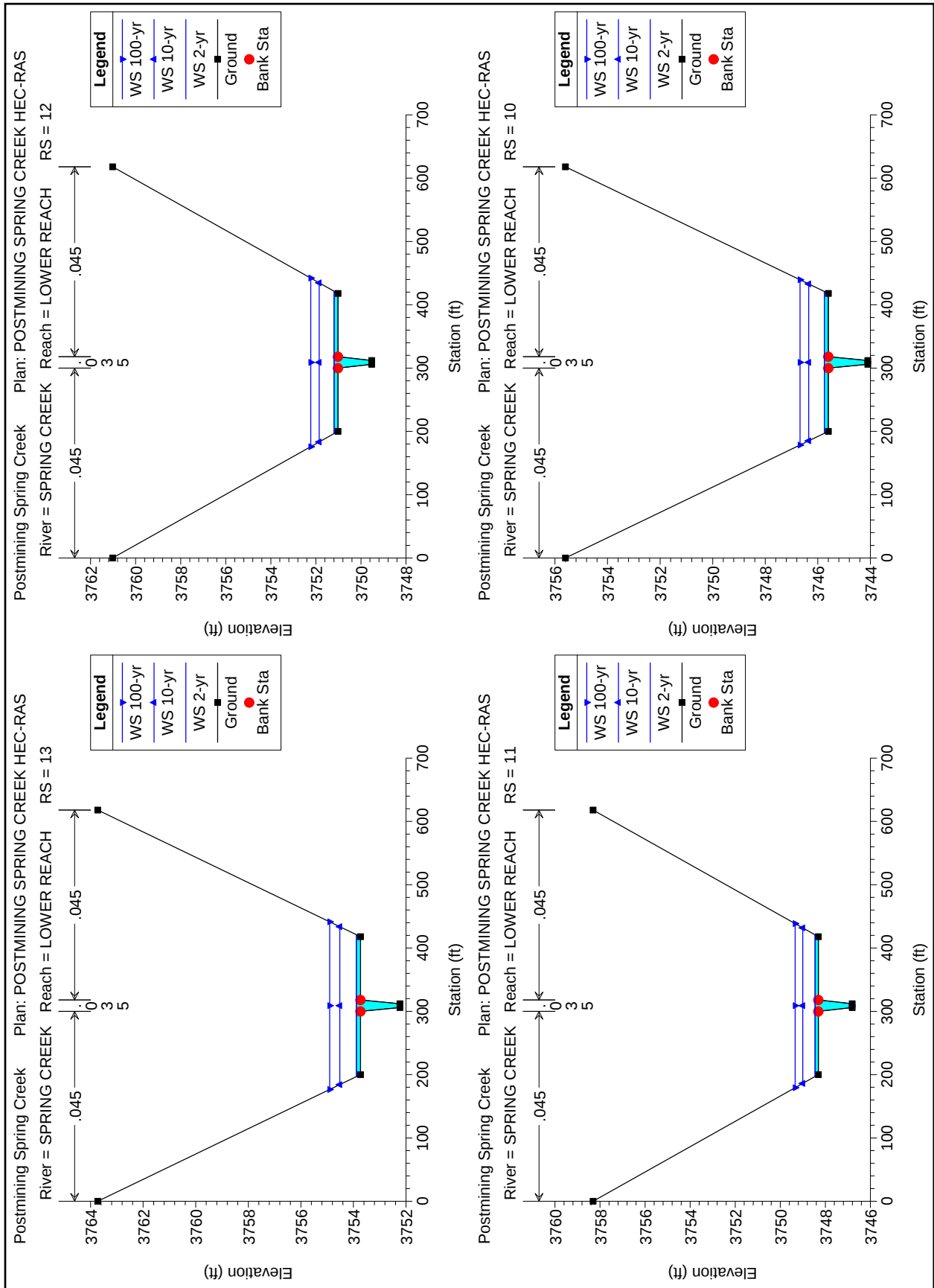


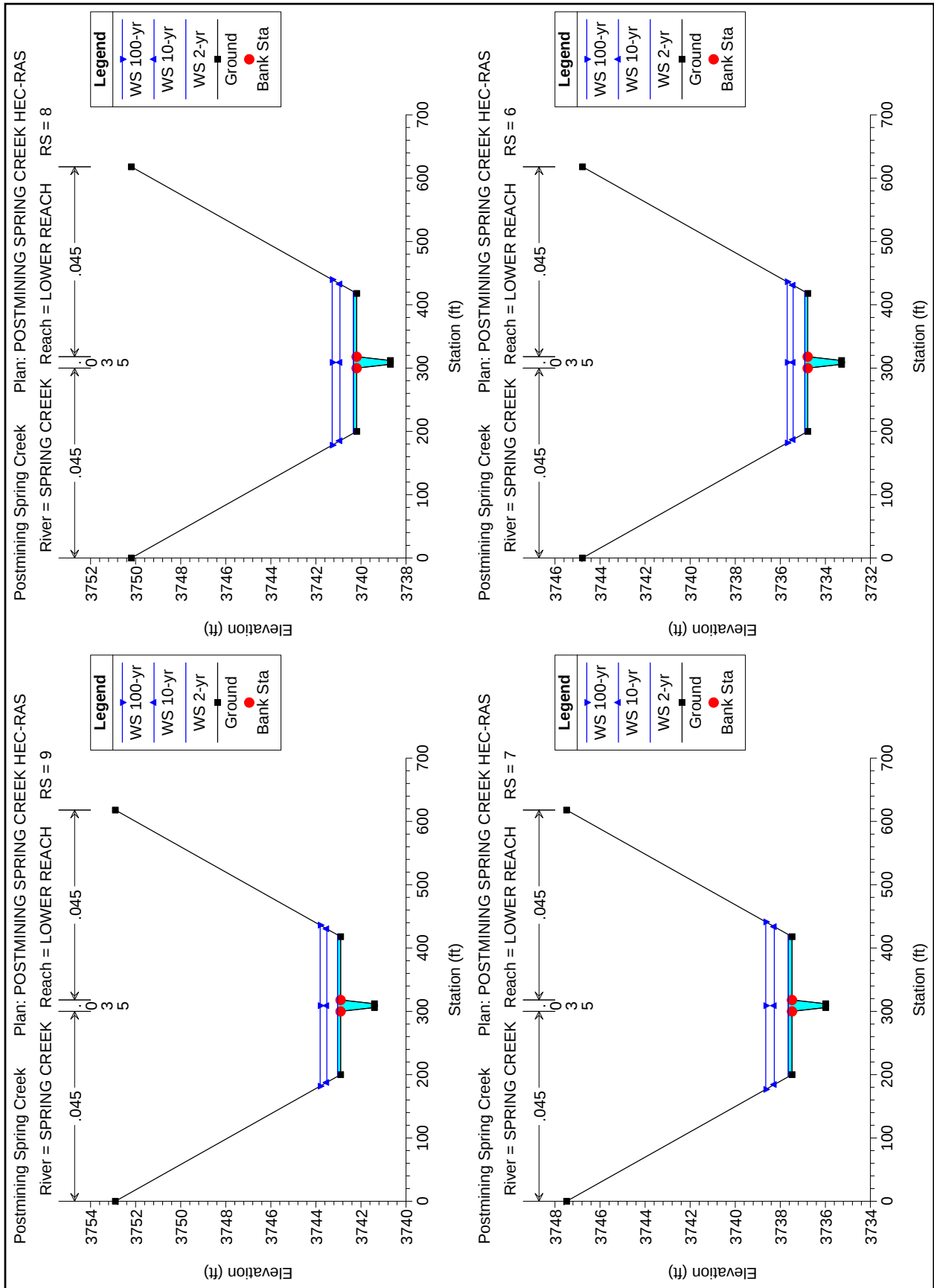


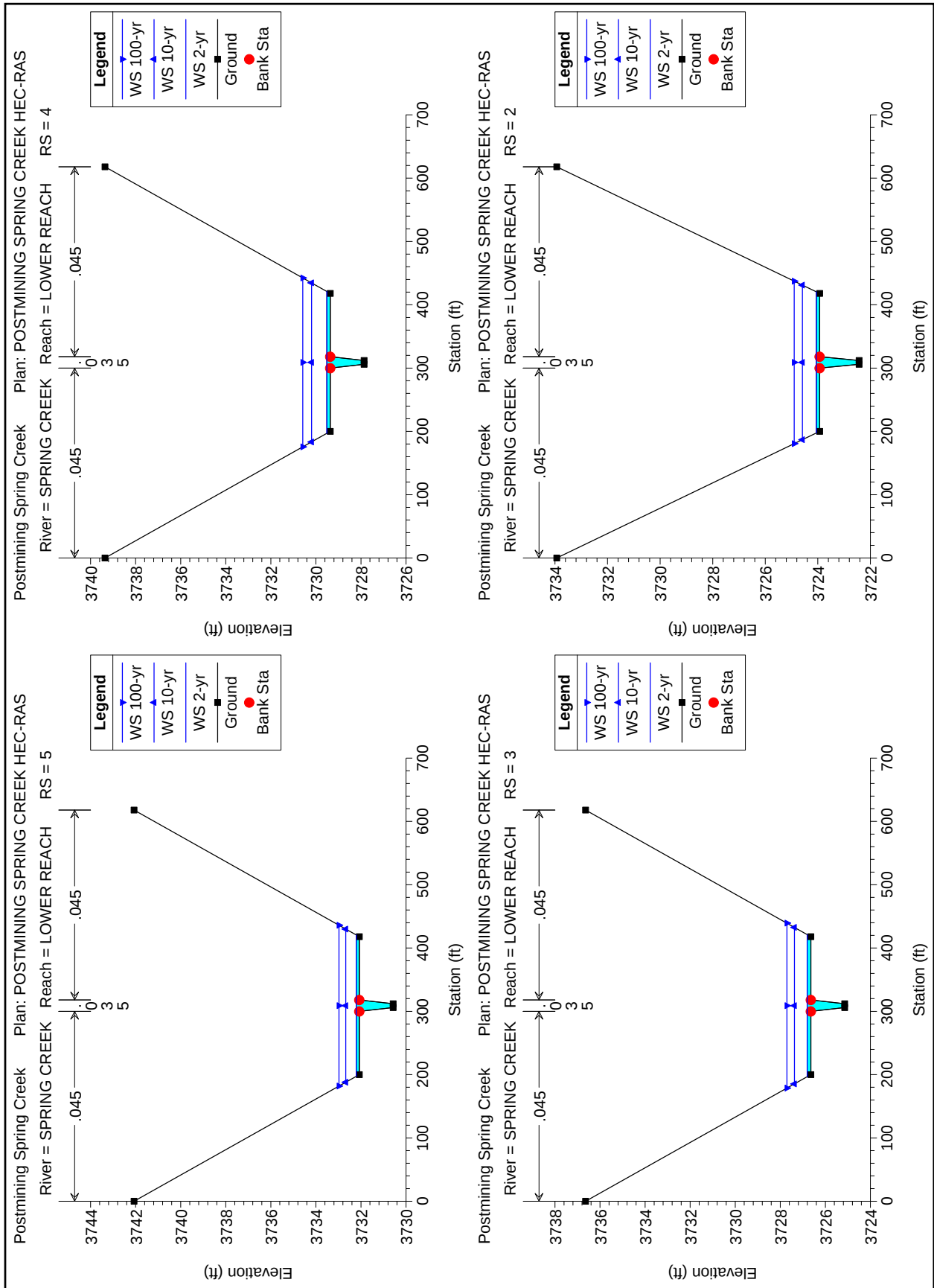


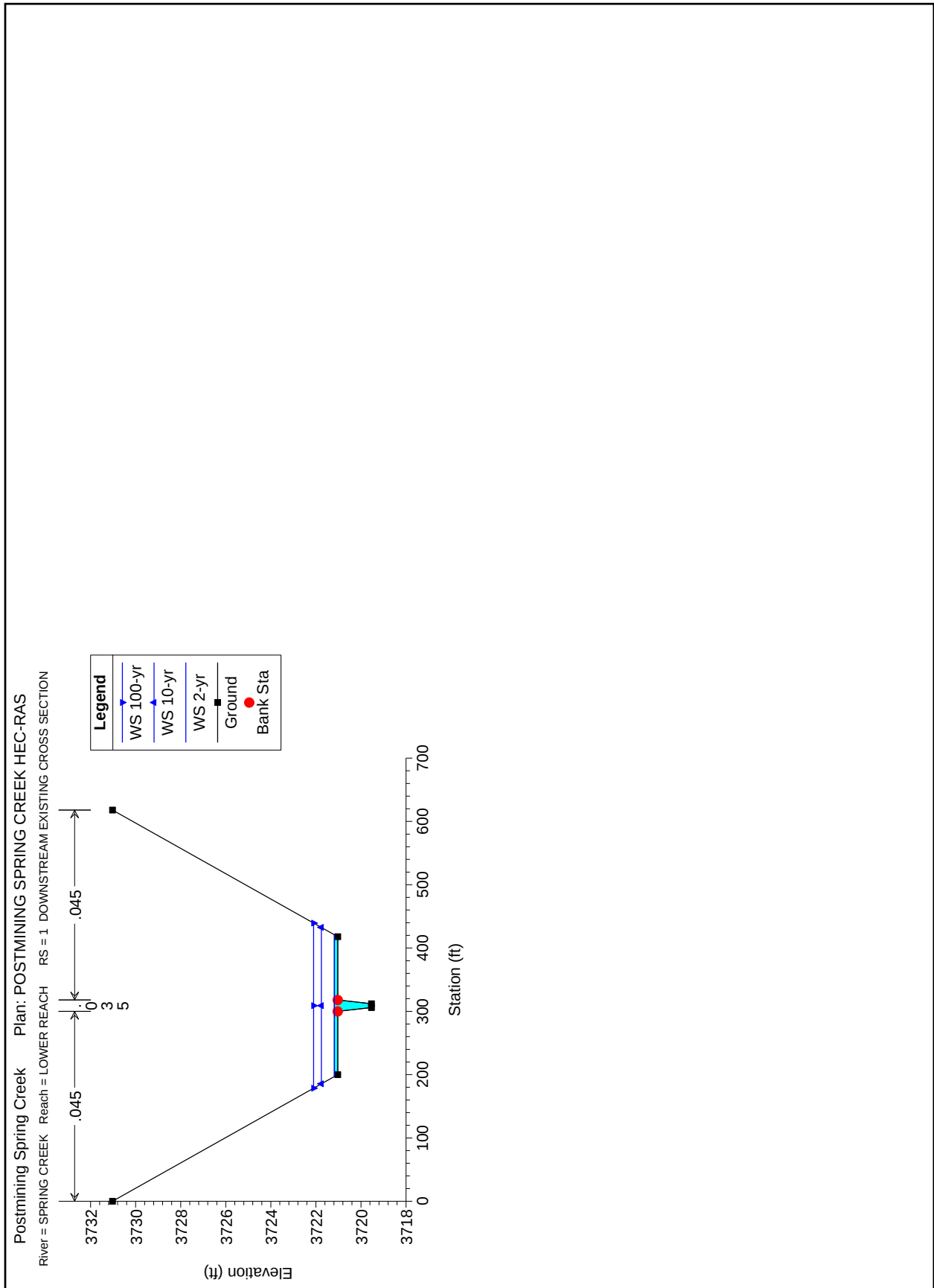












ATTACHMENT J-2
POSTMINE HEC-RAS RESULTS
South Fork Spring Creek Drainage
South Fork Spring Creek Station 1 through 81

HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SF	1	81	2yr-24hr	63.47	3873.6	3875.9	3875.5	3876.1	0.007	3.56	18.1	16.1	0.56
SF	1	81	10yr-24hr	260.51	3873.6	3877.5		3878.0	0.007	5.76	50.9	25.0	0.61
SF	1	81	100yr-6hr	433.51	3873.6	3878.5	3877.7	3879.1	0.006	6.59	83.7	61.9	0.60
SF	1	80	2yr-24hr	63.47	3867.5	3870.4		3870.9	0.012	5.58	12.4	8.9	0.71
SF	1	80	10yr-24hr	260.51	3867.5	3872.4	3872.4	3873.4	0.012	8.97	40.8	23.1	0.80
SF	1	80	100yr-6hr	433.51	3867.5	3873.0	3873.0	3874.5	0.017	11.51	56.8	29.4	0.95
SF	1	79	2yr-24hr	63.47	3864.4	3867.1		3867.5	0.012	5.10	14.3	14.1	0.70
SF	1	79	10yr-24hr	260.51	3864.4	3868.6	3868.6	3869.1	0.010	7.16	63.1	59.4	0.71
SF	1	79	100yr-6hr	433.51	3864.4	3869.0	3869.0	3869.6	0.012	8.49	90.2	65.6	0.79
SF	1	78	2yr-24hr	63.47	3861.9	3864.4	3864.4	3864.7	0.016	5.50	16.9	27.5	0.78
SF	1	78	10yr-24hr	260.51	3861.9	3865.3	3865.3	3865.8	0.016	7.69	58.6	57.6	0.85
SF	1	78	100yr-6hr	433.51	3861.9	3865.7	3865.7	3866.3	0.018	8.91	83.0	63.8	0.92
SF	1	77	2yr-24hr	63.47	3855.5	3857.0		3857.2	0.009	3.80	16.7	17.4	0.68
SF	1	77	10yr-24hr	260.51	3855.5	3857.6	3857.6	3857.9	0.009	5.35	82.5	123.4	0.76
SF	1	77	100yr-6hr	433.51	3855.5	3857.8	3857.8	3858.2	0.012	6.60	109.5	125.5	0.88
SF	1	76	2yr-24hr	63.47	3850.9	3852.1	3852.0	3852.4	0.014	4.57	13.9	16.1	0.87
SF	1	76	10yr-24hr	260.51	3850.9	3852.9	3852.9	3853.2	0.009	5.35	82.5	123.3	0.76
SF	1	76	100yr-6hr	433.51	3850.9	3853.1	3853.1	3853.5	0.012	6.59	109.7	125.5	0.88
SF	1	75	2yr-24hr	63.47	3845.7	3847.2	3846.9	3847.4	0.008	3.71	17.1	17.6	0.66
SF	1	75	10yr-24hr	260.51	3845.7	3847.8	3847.8	3848.1	0.009	5.36	82.4	123.3	0.76
SF	1	75	100yr-6hr	433.51	3845.7	3848.0	3848.0	3848.4	0.012	6.59	109.7	125.5	0.88
SF	1	74	2yr-24hr	63.47	3840.3	3841.5	3841.5	3841.9	0.016	4.72	13.4	15.8	0.90
SF	1	74	10yr-24hr	260.51	3840.3	3842.3	3842.3	3842.6	0.009	5.35	82.5	123.3	0.76
SF	1	74	100yr-6hr	433.51	3840.3	3842.6	3842.6	3842.9	0.012	6.59	109.7	125.5	0.88
SF	1	73	2yr-24hr	63.47	3831.0	3831.8	3831.8	3831.9	0.025	3.44	18.5	50.9	1.01
SF	1	73	10yr-24hr	260.51	3831.0	3832.3	3832.3	3832.8	0.019	5.28	49.3	58.0	1.01
SF	1	73	100yr-6hr	433.51	3831.0	3832.7	3832.7	3833.3	0.018	6.11	70.9	62.5	1.01
SF	1	72	2yr-24hr	63.47	3820.3	3825.3		3825.3	0.000	0.46	178.5	90.6	0.05
SF	1	72	10yr-24hr	260.51	3820.3	3826.2		3826.2	0.000	1.31	266.5	106.8	0.12
SF	1	72	100yr-6hr	433.51	3820.3	3826.6		3826.7	0.000	1.86	315.9	112.7	0.16
SF	1	71	2yr-24hr	63.47	3823.6	3824.8	3824.8	3825.2	0.020	5.15	12.3	15.3	1.01
SF	1	71	10yr-24hr	260.51	3823.6	3825.7	3825.7	3825.9	0.009	5.38	82.2	123.3	0.77
SF	1	71	100yr-6hr	433.51	3823.6	3825.9	3825.9	3826.3	0.011	6.43	112.3	125.7	0.85
SF	1	70	2yr-24hr	63.47	3813.2	3814.6	3814.1	3814.7	0.001	1.31	48.6	60.7	0.26
SF	1	70	10yr-24hr	260.51	3813.2	3815.5	3814.7	3815.6	0.002	2.35	110.9	75.3	0.34
SF	1	70	100yr-6hr	433.51	3813.2	3816.1	3815.0	3816.2	0.002	2.84	152.8	83.7	0.37
SF	1	69	2yr-24hr	63.47	3811.6	3813.0		3813.2	0.011	4.07	15.6	16.9	0.75
SF	1	69	10yr-24hr	260.51	3811.6	3813.6	3813.6	3813.9	0.009	5.35	82.6	123.4	0.76
SF	1	69	100yr-6hr	433.51	3811.6	3813.9	3813.9	3814.2	0.012	6.58	109.8	125.5	0.88
SF	1	68	2yr-24hr	63.47	3806.2	3807.6	3807.4	3807.8	0.011	4.14	15.3	16.8	0.76
SF	1	68	10yr-24hr	260.51	3806.2	3808.3	3808.3	3808.6	0.009	5.35	82.5	123.4	0.76
SF	1	68	100yr-6hr	433.51	3806.2	3808.5	3808.5	3808.9	0.011	6.37	113.2	125.8	0.84

HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SF	1	67	2yr-24hr	63.47	3801.1	3802.5		3802.8	0.009	3.90	16.3	17.2	0.71
SF	1	67	10yr-24hr	260.51	3801.1	3803.2	3803.2	3803.4	0.009	5.35	82.5	123.4	0.76
SF	1	67	100yr-6hr	433.51	3801.1	3803.4	3803.4	3803.8	0.012	6.55	110.3	125.6	0.87
SF	1	66	2yr-24hr	71.83	3795.5	3796.9		3797.2	0.013	4.54	15.8	17.0	0.83
SF	1	66	10yr-24hr	284.85	3795.5	3797.6	3797.6	3797.9	0.010	5.54	87.0	123.7	0.78
SF	1	66	100yr-6hr	441.22	3795.5	3797.8	3797.8	3798.2	0.012	6.64	110.8	125.6	0.88
SF	1	65	2yr-24hr	71.83	3787.5	3788.9	3788.9	3789.3	0.020	5.31	13.5	15.8	1.01
SF	1	65	10yr-24hr	284.85	3787.5	3790.0	3790.0	3790.5	0.011	6.56	57.3	55.0	0.86
SF	1	65	100yr-6hr	441.22	3787.5	3790.4	3790.4	3791.0	0.011	7.34	83.4	73.7	0.87
SF	1	64	2yr-24hr	71.83	3781.1	3782.8	3782.4	3782.9	0.003	2.32	34.2	44.6	0.43
SF	1	64	10yr-24hr	284.85	3781.1	3784.0	3783.2	3784.1	0.002	3.06	132.0	120.7	0.38
SF	1	64	100yr-6hr	441.22	3781.1	3784.5		3784.6	0.002	3.18	198.6	128.3	0.35
SF	1	63	2yr-24hr	71.83	3776.6	3779.2	3779.2	3779.8	0.016	6.96	13.7	11.8	0.84
SF	1	63	10yr-24hr	284.85	3776.6	3781.1	3781.1	3782.0	0.014	9.80	43.1	25.6	0.87
SF	1	63	100yr-6hr	441.22	3776.6	3781.8	3781.8	3782.9	0.014	11.10	62.1	28.6	0.90
SF	1	62	2yr-24hr	71.83	3770.3	3772.0		3772.2	0.005	3.30	25.2	38.6	0.55
SF	1	62	10yr-24hr	284.85	3770.3	3773.1		3773.3	0.004	3.81	102.6	107.6	0.53
SF	1	62	100yr-6hr	441.22	3770.3	3773.5		3773.7	0.004	4.08	155.3	126.7	0.50
SF	1	61	2yr-24hr	71.83	3761.0	3765.3	3765.3	3766.3	0.040	8.06	9.2	5.0	0.95
SF	1	61	10yr-24hr	284.85	3761.0	3767.8	3767.8	3768.9	0.026	9.10	36.2	16.5	0.88
SF	1	61	100yr-6hr	441.22	3761.0	3768.6	3768.6	3770.0	0.025	10.39	48.9	17.9	0.91
SF	1	60	2yr-24hr	71.83	3758.0	3759.8		3759.8	0.002	1.95	53.9	86.9	0.32
SF	1	60	10yr-24hr	284.85	3758.0	3760.8		3760.9	0.002	2.36	155.2	109.9	0.32
SF	1	60	100yr-6hr	441.22	3758.0	3761.3		3761.4	0.002	2.57	214.8	122.6	0.32
SF	1	59	2yr-24hr	71.83	3757.3	3758.6		3758.7	0.003	2.29	36.3	50.1	0.42
SF	1	59	10yr-24hr	284.85	3757.3	3759.6		3759.8	0.003	3.74	92.5	61.5	0.48
SF	1	59	100yr-6hr	441.22	3757.3	3760.1		3760.3	0.003	4.41	124.3	67.1	0.50
SF	1	58	2yr-24hr	71.83	3753.8	3755.5	3755.5	3755.9	0.013	4.83	19.0	33.1	0.83
SF	1	58	10yr-24hr	284.85	3753.8	3756.4	3756.4	3757.0	0.013	7.35	54.6	46.2	0.93
SF	1	58	100yr-6hr	441.22	3753.8	3756.9	3756.9	3757.6	0.012	8.26	76.8	51.9	0.94
SF	1	57	2yr-24hr	71.83	3750.9	3752.3		3752.4	0.004	2.34	35.1	58.9	0.45
SF	1	57	10yr-24hr	284.85	3750.9	3753.1		3753.2	0.005	3.78	101.3	107.3	0.54
SF	1	57	100yr-6hr	441.22	3750.9	3753.3		3753.6	0.005	4.59	131.7	117.7	0.60
SF	1	56	2yr-24hr	71.83	3748.0	3748.9	3748.8	3749.1	0.014	3.13	23.5	53.4	0.79
SF	1	56	10yr-24hr	284.85	3748.0	3749.5	3749.4	3749.8	0.013	4.63	68.3	90.9	0.85
SF	1	56	100yr-6hr	441.22	3748.0	3749.9	3749.7	3750.2	0.010	5.03	101.3	105.4	0.79
SF	1	55	2yr-24hr	71.83	3743.4	3745.1	3744.9	3745.2	0.005	3.08	31.9	55.4	0.52
SF	1	55	10yr-24hr	284.85	3743.4	3746.0	3745.6	3746.2	0.005	4.56	91.6	77.5	0.58
SF	1	55	100yr-6hr	441.22	3743.4	3746.3		3746.6	0.006	5.50	118.3	83.7	0.64
SF	1	54	2yr-24hr	71.83	3739.6	3741.0	3740.9	3741.2	0.019	4.33	19.0	32.7	0.94
SF	1	54	10yr-24hr	284.85	3739.6	3741.7	3741.7	3742.3	0.020	6.43	49.4	47.7	1.07

HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SF	1	54	100yr-6hr	441.22	3739.6	3742.2	3742.2	3742.8	0.014	6.86	78.5	75.4	0.96
SF	1	53	2yr-24hr	71.83	3736.7	3738.3		3738.4	0.003	2.50	31.6	46.6	0.41
SF	1	53	10yr-24hr	284.85	3736.7	3739.3		3739.4	0.002	3.32	150.2	189.6	0.39
SF	1	53	100yr-6hr	441.22	3736.7	3739.7		3739.8	0.002	3.50	226.5	210.1	0.38
SF	1	52	2yr-24hr	71.83	3734.5	3736.1		3736.2	0.005	2.98	28.0	33.2	0.51
SF	1	52	10yr-24hr	284.85	3734.5	3736.9	3736.7	3737.3	0.008	5.58	67.3	68.9	0.73
SF	1	52	100yr-6hr	441.22	3734.5	3737.2	3737.2	3737.7	0.009	6.61	94.0	80.7	0.79
SF	1	51	2yr-24hr	71.83	3731.3	3732.8	3732.5	3733.0	0.008	3.78	22.4	118.4	0.65
SF	1	51	10yr-24hr	284.85	3731.3	3733.4		3733.6	0.008	5.23	91.9	124.1	0.73
SF	1	51	100yr-6hr	441.22	3731.3	3733.6		3733.9	0.009	5.94	122.8	126.6	0.77
SF	1	50	2yr-24hr	71.83	3727.2	3728.8	3728.5	3729.0	0.006	3.46	28.1	118.9	0.59
SF	1	50	10yr-24hr	284.85	3727.2	3729.4	3729.3	3729.6	0.008	5.14	93.4	124.2	0.71
SF	1	50	100yr-6hr	441.22	3727.2	3729.6	3729.5	3729.9	0.008	5.70	127.5	126.9	0.73
SF	1	49	2yr-24hr	71.83	3723.6	3725.1	3724.8	3725.3	0.007	3.55	26.5	118.7	0.60
SF	1	49	10yr-24hr	284.85	3723.6	3725.7	3725.6	3726.0	0.007	4.80	99.7	124.7	0.65
SF	1	49	100yr-6hr	441.22	3723.6	3726.0	3725.8	3726.3	0.007	5.44	132.9	127.4	0.69
SF	1	48	2yr-24hr	76.94	3719.9	3721.5	3721.2	3721.7	0.006	3.52	31.1	119.1	0.59
SF	1	48	10yr-24hr	297.22	3719.9	3722.0	3722.0	3722.3	0.008	5.26	95.2	124.4	0.72
SF	1	48	100yr-6hr	441.11	3719.9	3722.3		3722.5	0.008	5.82	125.0	126.8	0.75
SF	1	47	2yr-24hr	76.94	3716.2	3717.8	3717.5	3718.0	0.007	3.65	29.0	118.9	0.61
SF	1	47	10yr-24hr	297.22	3716.2	3718.4	3718.3	3718.6	0.007	5.04	99.1	124.7	0.69
SF	1	47	100yr-6hr	441.11	3716.2	3718.6	3718.5	3718.9	0.008	5.66	128.1	127.0	0.72
SF	1	46	2yr-24hr	76.94	3712.5	3714.1	3713.8	3714.3	0.006	3.48	31.7	119.2	0.58
SF	1	46	10yr-24hr	297.22	3712.5	3714.7	3714.6	3714.9	0.007	4.88	102.1	124.9	0.66
SF	1	46	100yr-6hr	441.11	3712.5	3715.0	3714.8	3715.2	0.007	5.30	136.0	127.6	0.67
SF	1	45	2yr-24hr	76.94	3708.8	3710.4	3710.1	3710.6	0.007	3.70	28.2	118.9	0.63
SF	1	45	10yr-24hr	297.22	3708.8	3710.9	3710.9	3711.2	0.010	5.63	89.3	123.9	0.79
SF	1	45	100yr-6hr	441.11	3708.8	3711.1	3711.1	3711.5	0.011	6.53	112.4	125.8	0.86
SF	1	44	2yr-24hr	76.94	3704.9	3706.5	3706.2	3706.7	0.006	3.49	31.6	119.2	0.58
SF	1	44	10yr-24hr	297.22	3704.9	3707.1	3707.0	3707.3	0.007	4.83	103.1	125.0	0.65
SF	1	44	100yr-6hr	441.11	3704.9	3707.4	3707.2	3707.6	0.007	5.31	135.9	127.6	0.67
SF	1	43	2yr-24hr	76.94	3700.5	3702.0	3701.7	3702.2	0.007	3.69	28.3	118.9	0.62
SF	1	43	10yr-24hr	297.22	3700.5	3702.5	3702.5	3702.8	0.010	5.63	89.3	123.9	0.79
SF	1	43	100yr-6hr	441.11	3700.5	3702.7	3702.7	3703.1	0.011	6.41	114.4	125.9	0.84
SF	1	42	2yr-24hr	76.94	3697.3	3698.9	3698.6	3699.1	0.006	3.48	31.8	119.2	0.58
SF	1	42	10yr-24hr	297.22	3697.3	3699.5	3699.4	3699.7	0.006	4.77	104.3	125.1	0.64
SF	1	42	100yr-6hr	441.11	3697.3	3699.8	3699.6	3700.0	0.006	5.20	138.4	127.8	0.65
SF	1	41	2yr-24hr	76.94	3694.2	3695.8	3695.5	3696.0	0.007	3.68	28.5	118.9	0.62
SF	1	41	10yr-24hr	297.22	3694.2	3696.3	3696.3	3696.6	0.009	5.44	92.3	124.1	0.75
SF	1	41	100yr-6hr	441.11	3694.2	3696.5	3696.4	3696.8	0.010	6.20	118.0	126.2	0.81
SF	1	40	2yr-24hr	76.94	3691.1	3692.7	3692.4	3692.9	0.006	3.50	31.5	119.1	0.58

HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

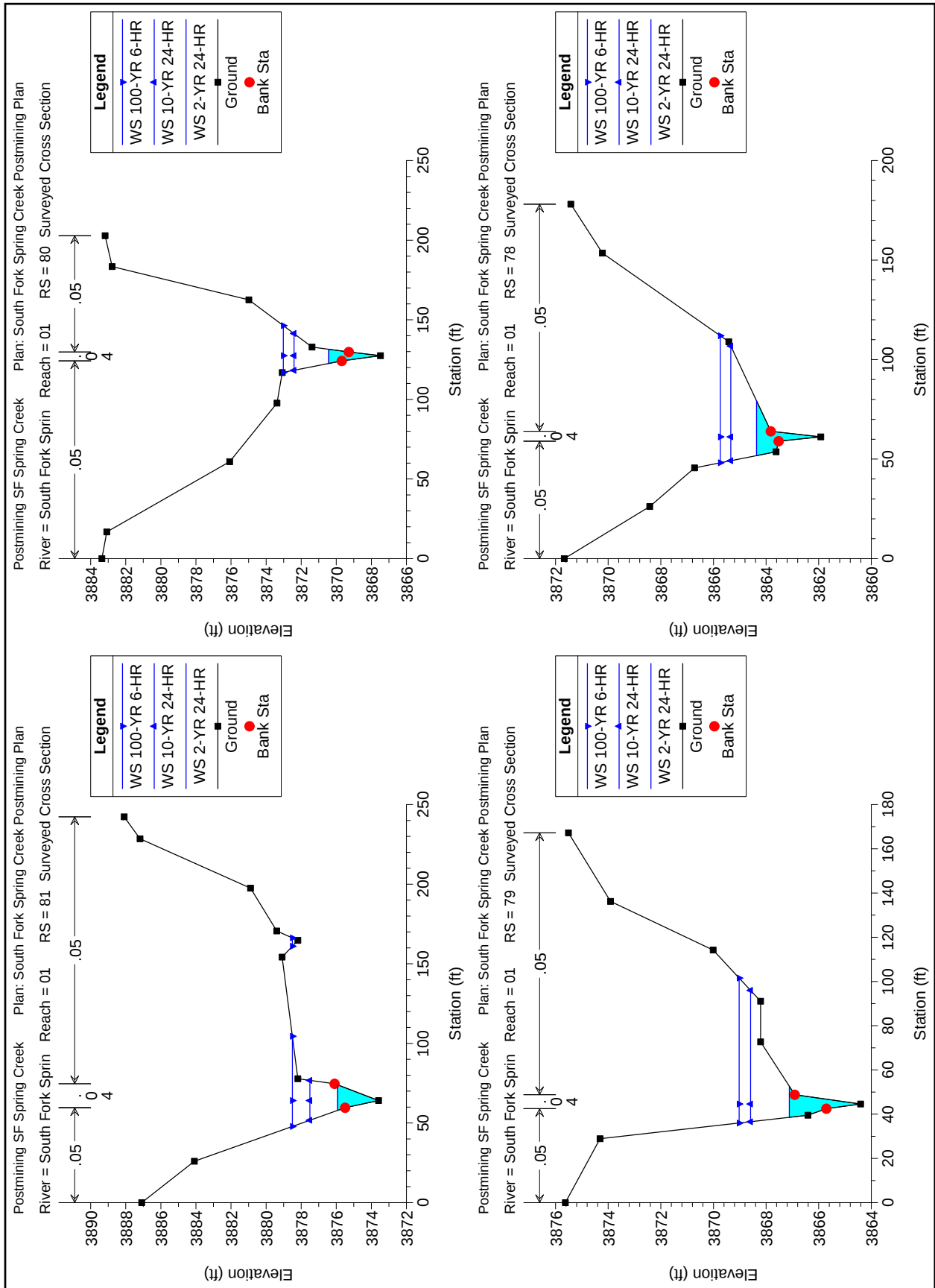
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SF	1	40	10yr-24hr	297.22	3691.1	3693.2	3693.2	3693.5	0.007	4.97	100.4	124.8	0.68
SF	1	40	100yr-6hr	441.11	3691.1	3693.5	3693.3	3693.8	0.007	5.41	133.7	127.4	0.68
SF	1	39	2yr-24hr	76.94	3687.9	3689.5	3689.2	3689.7	0.007	3.66	28.8	118.9	0.62
SF	1	39	10yr-24hr	297.22	3687.9	3690.1		3690.3	0.008	5.22	95.9	124.4	0.72
SF	1	39	100yr-6hr	441.11	3687.9	3690.3		3690.6	0.009	5.97	122.0	126.5	0.77
SF	1	38	2yr-24hr	76.94	3684.8	3686.4	3686.1	3686.6	0.006	3.54	30.7	119.1	0.59
SF	1	38	10yr-24hr	297.22	3684.8	3686.9	3686.9	3687.2	0.009	5.51	91.1	124.0	0.77
SF	1	38	100yr-6hr	441.11	3684.8	3687.2	3687.1	3687.5	0.009	6.06	120.4	126.4	0.79
SF	1	37	2yr-24hr	76.94	3681.7	3683.3	3683.0	3683.5	0.007	3.61	29.7	119.0	0.61
SF	1	37	10yr-24hr	297.22	3681.7	3683.9	3683.8	3684.1	0.006	4.57	108.6	125.4	0.61
SF	1	37	100yr-6hr	441.11	3681.7	3684.2		3684.4	0.006	5.08	141.6	128.1	0.63
SF	1	36	2yr-24hr	76.94	3678.6	3680.2	3679.9	3680.4	0.006	3.18	36.7	119.6	0.52
SF	1	36	10yr-24hr	297.22	3678.6	3680.7	3680.7	3681.0	0.010	5.06	97.5	124.6	0.69
SF	1	36	100yr-6hr	441.11	3678.6	3681.0	3680.8	3681.2	0.010	5.61	127.3	126.9	0.72
SF	1	35	2yr-24hr	76.94	3675.5	3677.1	3676.7	3677.2	0.007	3.27	35.0	119.4	0.54
SF	1	35	10yr-24hr	297.22	3675.5	3677.8		3678.0	0.005	3.87	124.7	126.7	0.50
SF	1	35	100yr-6hr	441.11	3675.5	3678.1		3678.3	0.005	4.22	164.8	129.9	0.50
SF	1	34	2yr-24hr	76.94	3672.3	3674.0	3673.6	3674.1	0.006	3.18	36.7	119.6	0.52
SF	1	34	10yr-24hr	297.22	3672.3	3674.4	3674.4	3674.7	0.013	5.60	88.6	123.8	0.78
SF	1	34	100yr-6hr	441.11	3672.3	3674.6	3674.6	3675.0	0.015	6.50	111.4	125.7	0.86
SF	1	33	2yr-24hr	76.94	3669.2	3670.8	3670.5	3671.0	0.007	3.36	33.6	119.3	0.56
SF	1	33	10yr-24hr	297.22	3669.2	3671.6		3671.7	0.005	3.84	125.7	126.8	0.49
SF	1	33	100yr-6hr	441.11	3669.2	3671.9	3671.5	3672.1	0.004	4.15	167.3	130.0	0.49
SF	1	32	2yr-24hr	76.94	3666.1	3667.8	3667.4	3667.9	0.006	3.09	38.3	119.7	0.50
SF	1	32	10yr-24hr	297.22	3666.1	3668.2	3668.2	3668.5	0.013	5.60	88.7	123.8	0.78
SF	1	32	100yr-6hr	441.11	3666.1	3668.3	3668.3	3668.7	0.015	6.60	109.8	125.5	0.88
SF	1	31	2yr-24hr	76.94	3663.0	3664.6	3664.3	3664.8	0.008	3.53	30.9	119.1	0.59
SF	1	31	10yr-24hr	297.22	3663.0	3665.3	3665.1	3665.4	0.006	4.16	116.8	126.1	0.54
SF	1	31	100yr-6hr	441.11	3663.0	3665.6	3665.2	3665.7	0.006	4.62	151.9	128.8	0.56
SF	1	30	2yr-24hr	81.40	3659.5	3661.2	3660.8	3661.3	0.005	3.04	42.3	120.0	0.49
SF	1	30	10yr-24hr	307.58	3659.5	3661.6	3661.6	3661.9	0.011	5.40	94.6	124.3	0.75
SF	1	30	100yr-6hr	442.21	3659.5	3661.8	3661.8	3662.2	0.012	6.09	118.5	126.2	0.79
SF	1	29	2yr-24hr	81.40	3654.4	3656.1	3655.8	3656.3	0.009	3.67	31.8	119.2	0.61
SF	1	29	10yr-24hr	307.58	3654.4	3656.7	3656.5	3656.9	0.006	4.33	116.2	126.0	0.57
SF	1	29	100yr-6hr	442.21	3654.4	3657.0	3656.7	3657.2	0.006	4.72	149.3	128.7	0.58
SF	1	28	2yr-24hr	81.40	3651.4	3653.1	3652.7	3653.2	0.005	2.93	44.5	120.2	0.47
SF	1	28	10yr-24hr	307.58	3651.4	3653.6		3653.8	0.008	4.76	106.4	125.3	0.64
SF	1	28	100yr-6hr	442.21	3651.4	3653.9		3654.1	0.009	5.30	134.5	127.5	0.67
SF	1	27	2yr-24hr	81.40	3648.3	3649.9	3649.6	3650.1	0.010	3.84	29.2	119.0	0.65
SF	1	27	10yr-24hr	307.58	3648.3	3650.5	3650.4	3650.7	0.008	4.81	105.4	125.2	0.65
SF	1	27	100yr-6hr	442.21	3648.3	3650.7	3650.5	3651.0	0.009	5.31	134.3	127.5	0.67

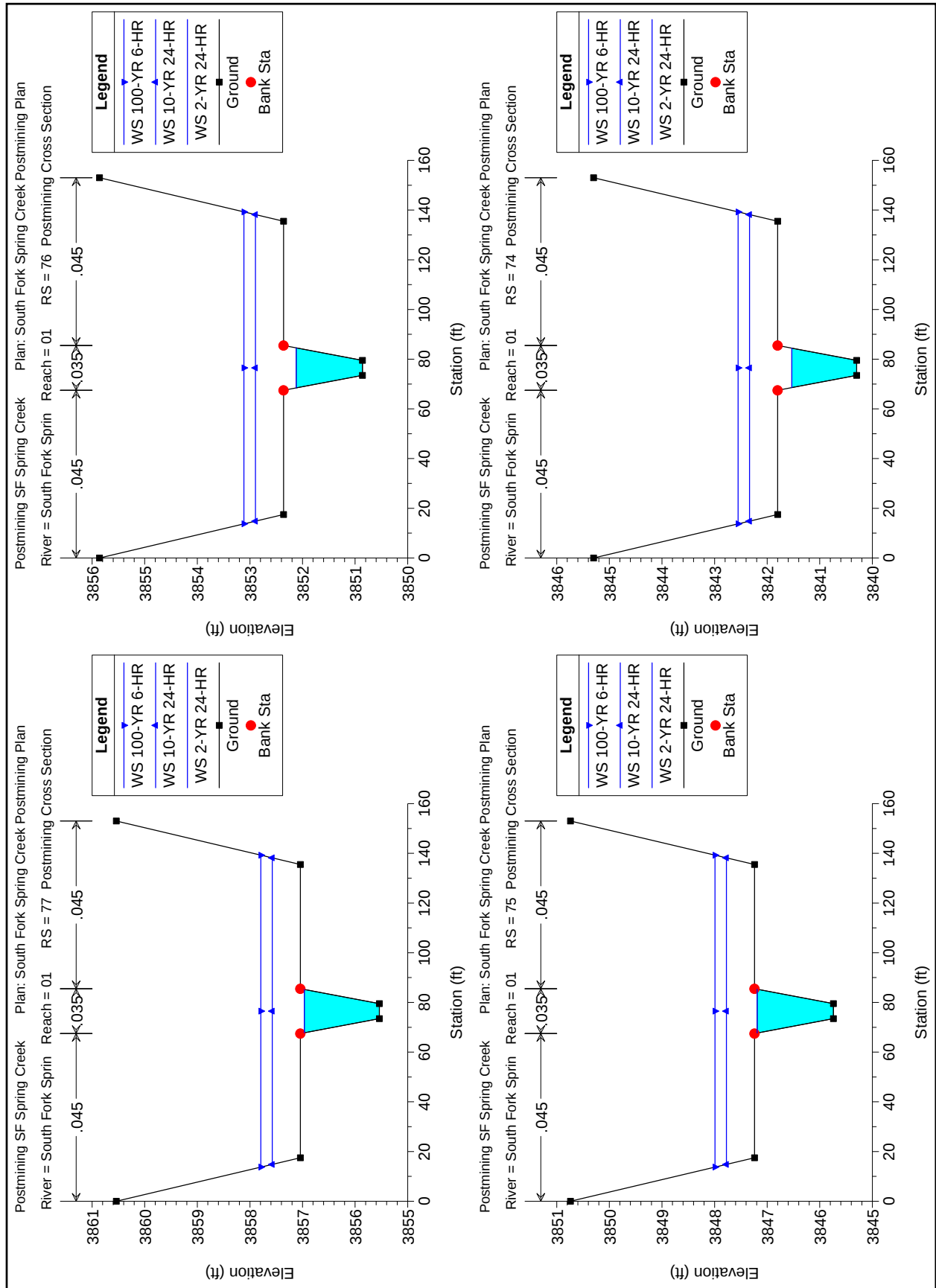
HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

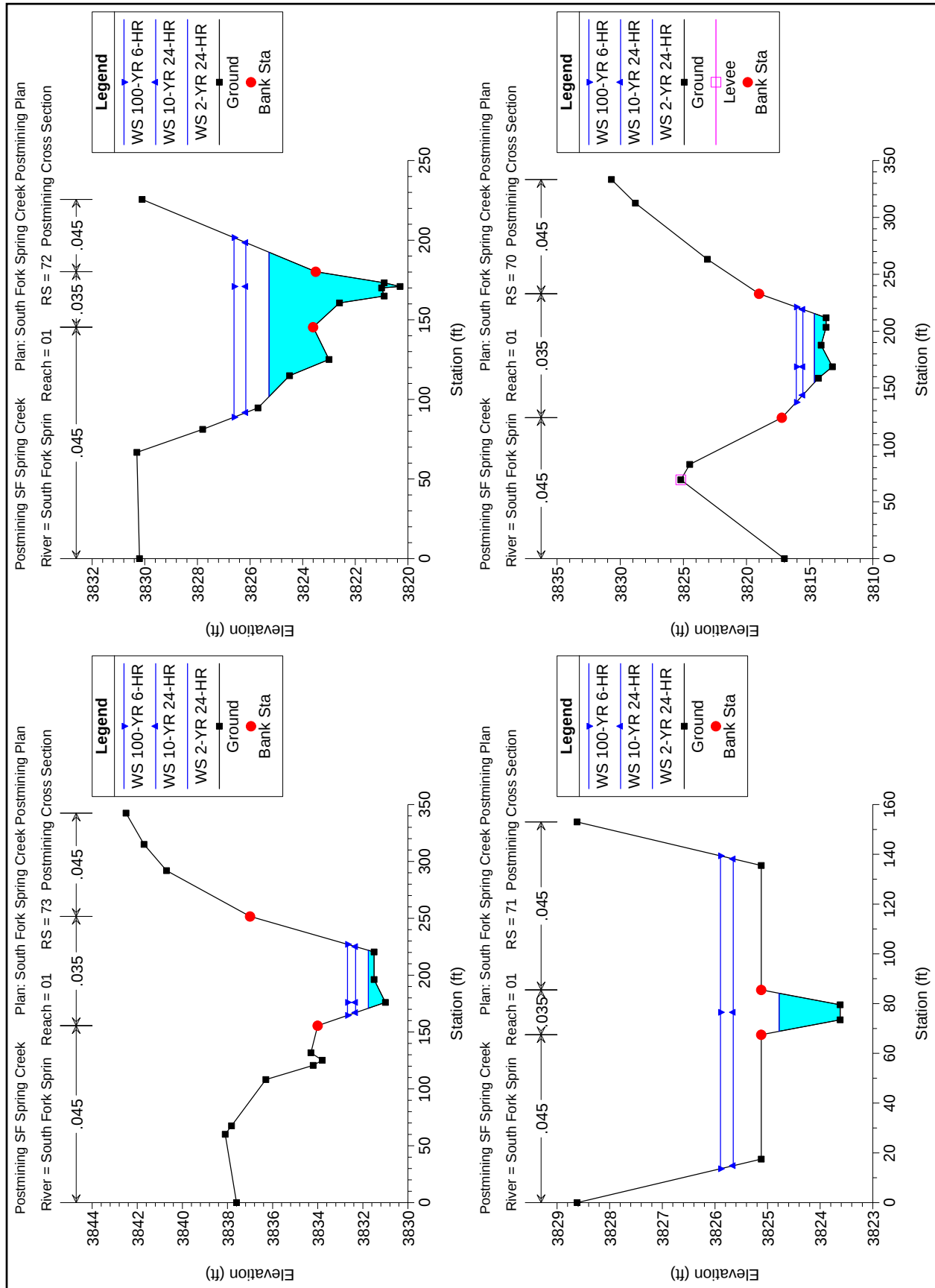
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SF	1	26	2yr-24hr	81.40	3644.5	3646.3	3645.9	3646.4	0.005	2.85	46.0	120.4	0.45
SF	1	26	10yr-24hr	307.58	3644.5	3646.8	3646.6	3647.0	0.007	4.37	115.1	126.0	0.57
SF	1	26	100yr-6hr	442.21	3644.5	3647.1	3646.8	3647.3	0.007	4.80	147.1	128.5	0.59
SF	1	25	2yr-24hr	81.40	3640.6	3642.2	3641.9	3642.4	0.011	3.98	27.0	118.8	0.68
SF	1	25	10yr-24hr	307.58	3640.6	3642.7		3643.0	0.011	5.40	94.7	124.3	0.74
SF	1	25	100yr-6hr	442.21	3640.6	3642.9		3643.2	0.012	6.10	118.4	126.2	0.80
SF	1	24	2yr-24hr	81.40	3637.4	3639.2		3639.3	0.005	2.86	45.8	120.3	0.45
SF	1	24	10yr-24hr	307.58	3637.4	3639.7	3639.5	3639.9	0.008	4.65	108.8	125.5	0.62
SF	1	24	100yr-6hr	442.21	3637.4	3639.9	3639.7	3640.2	0.008	5.10	139.1	127.9	0.64
SF	1	23	2yr-24hr	81.40	3634.3	3635.9	3635.7	3636.2	0.009	3.80	29.8	119.0	0.64
SF	1	23	10yr-24hr	307.58	3634.3	3636.7	3636.4	3636.8	0.006	4.17	120.1	126.4	0.54
SF	1	23	100yr-6hr	442.21	3634.3	3637.0		3637.1	0.006	4.55	154.5	129.1	0.55
SF	1	22	2yr-24hr	81.40	3631.2	3633.0	3632.6	3633.1	0.005	2.89	45.2	120.3	0.46
SF	1	22	10yr-24hr	307.58	3631.2	3633.3	3633.3	3633.6	0.012	5.50	93.1	124.2	0.76
SF	1	22	100yr-6hr	442.21	3631.2	3633.5	3633.5	3633.9	0.013	6.26	115.6	126.0	0.82
SF	1	21	2yr-24hr	81.40	3628.2	3629.8	3629.6	3630.1	0.010	3.82	29.4	119.0	0.64
SF	1	21	10yr-24hr	307.58	3628.2	3630.6		3630.7	0.006	4.25	118.0	126.2	0.56
SF	1	21	100yr-6hr	442.21	3628.2	3630.8		3631.0	0.006	4.61	152.5	128.9	0.56
SF	1	20	2yr-24hr	81.40	3625.4	3627.1	3626.7	3627.2	0.004	2.66	50.0	120.7	0.42
SF	1	20	10yr-24hr	307.58	3625.4	3627.6		3627.8	0.007	4.48	112.6	125.8	0.59
SF	1	20	100yr-6hr	442.21	3625.4	3627.9		3628.1	0.008	5.04	140.6	128.0	0.63
SF	1	19	2yr-24hr	81.40	3622.5	3624.0	3623.8	3624.3	0.011	4.05	26.0	118.7	0.69
SF	1	19	10yr-24hr	307.58	3622.5	3624.7		3624.9	0.007	4.55	110.9	125.6	0.60
SF	1	19	100yr-6hr	442.21	3622.5	3625.0		3625.2	0.007	4.88	144.9	128.3	0.60
SF	1	18	2yr-24hr	81.40	3619.6	3621.4	3620.9	3621.5	0.003	2.53	53.1	120.9	0.39
SF	1	18	10yr-24hr	307.58	3619.6	3622.0		3622.1	0.005	3.91	127.4	126.9	0.50
SF	1	18	100yr-6hr	442.21	3619.6	3622.2		3622.4	0.005	4.38	159.8	129.5	0.53
SF	1	17	2yr-24hr	81.40	3616.8	3618.3	3618.1	3618.6	0.012	4.20	23.7	118.5	0.72
SF	1	17	10yr-24hr	307.58	3616.8	3619.0	3618.9	3619.2	0.009	4.94	103.0	125.0	0.67
SF	1	17	100yr-6hr	442.21	3616.8	3619.2	3619.1	3619.5	0.009	5.32	134.1	127.5	0.67
SF	1	16	2yr-24hr	81.40	3614.0	3615.8	3615.3	3615.9	0.003	2.49	54.0	121.0	0.38
SF	1	16	10yr-24hr	307.58	3614.0	3616.4		3616.5	0.005	3.99	125.0	126.7	0.51
SF	1	16	100yr-6hr	442.21	3614.0	3616.6		3616.8	0.006	4.50	155.8	129.2	0.55
SF	1	15	2yr-24hr	81.40	3611.2	3612.7	3612.5	3613.0	0.015	4.50	18.5	118.0	0.79
SF	1	15	10yr-24hr	307.58	3611.2	3613.3	3613.3	3613.6	0.013	5.66	90.6	124.0	0.79
SF	1	15	100yr-6hr	442.21	3611.2	3613.5	3613.5	3613.9	0.013	6.17	117.0	126.1	0.81
SF	1	14	2yr-24hr	81.40	3608.5	3610.3	3609.8	3610.4	0.003	2.35	57.6	121.3	0.36
SF	1	14	10yr-24hr	307.58	3608.5	3611.0		3611.1	0.004	3.46	142.3	128.1	0.43
SF	1	14	100yr-6hr	442.21	3608.5	3611.3		3611.4	0.003	3.77	182.8	131.2	0.44
SF	1	13	2yr-24hr	81.40	3605.8	3607.3	3607.1	3607.6	0.016	4.56	17.9	17.9	0.80
SF	1	13	10yr-24hr	307.58	3605.8	3607.9	3607.9	3608.2	0.013	5.67	90.4	124.0	0.79
SF	1	13	100yr-6hr	442.21	3605.8	3608.0	3608.0	3608.4	0.015	6.50	111.6	125.7	0.86

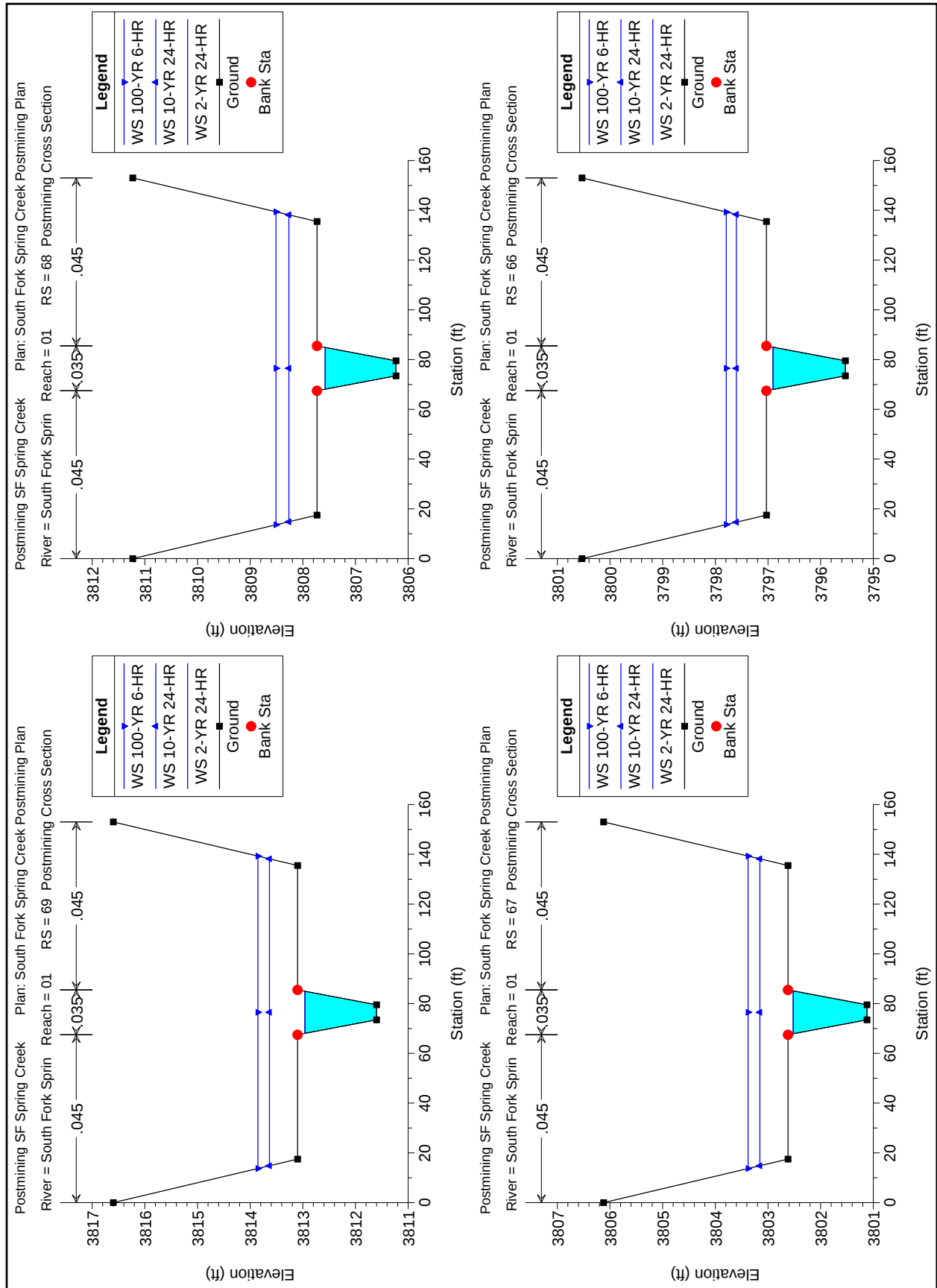
HEC-RAS Plan: PostminingSF (Stations shown on Plate J-4)

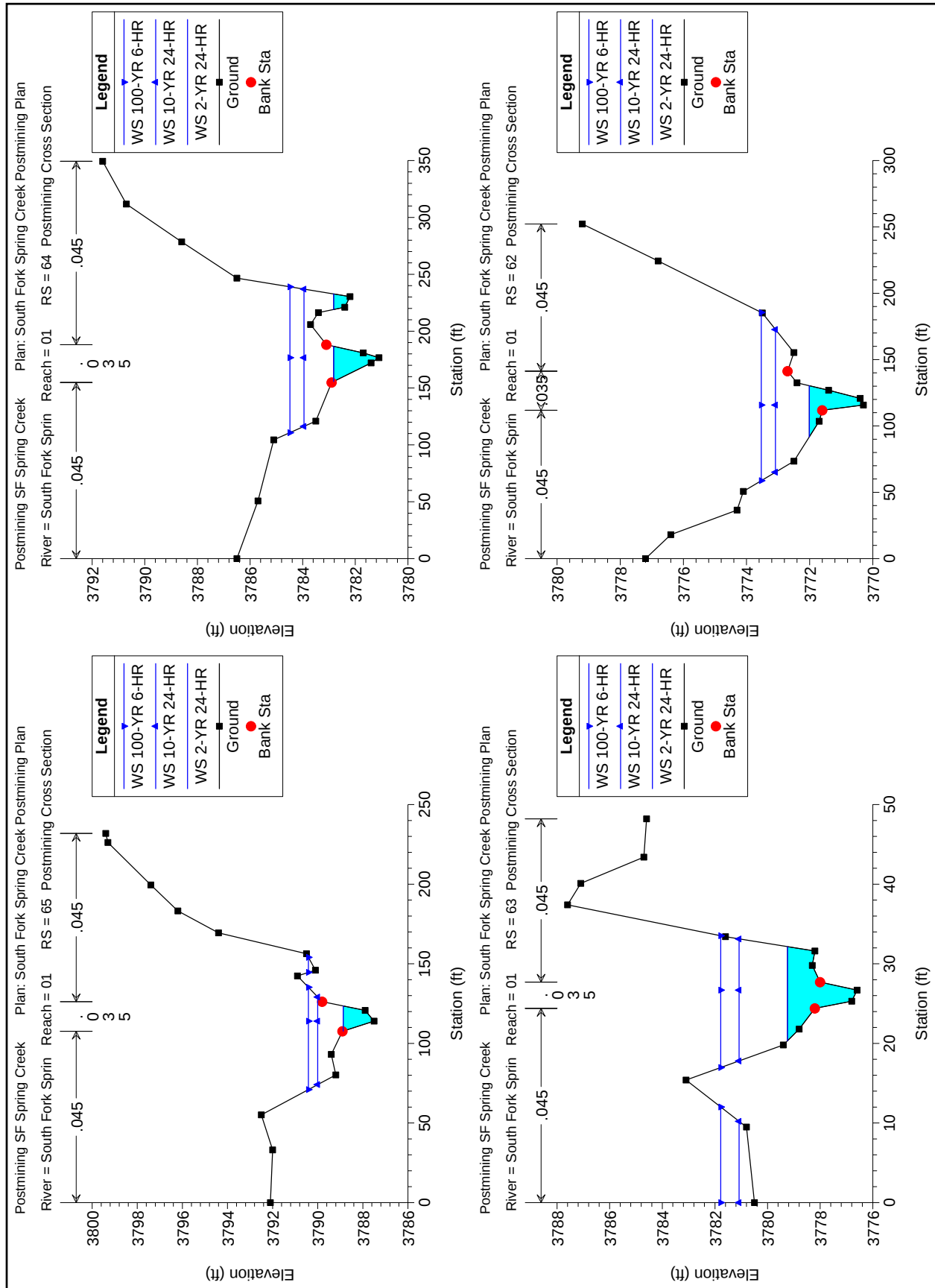
River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SF	1	12	2yr-24hr	81.40	3603.1	3604.9	3604.4	3605.0	0.003	2.33	58.3	121.4	0.35
SF	1	12	10yr-24hr	307.58	3603.1	3605.6		3605.7	0.003	3.43	143.4	128.2	0.43
SF	1	12	100yr-6hr	442.21	3603.1	3605.9		3606.0	0.003	3.77	183.2	131.3	0.44
SF	1	11	2yr-24hr	81.40	3600.4	3601.9	3601.7	3602.2	0.017	4.70	17.3	17.7	0.84
SF	1	11	10yr-24hr	307.58	3600.4	3602.5	3602.5	3602.8	0.013	5.67	90.4	124.0	0.79
SF	1	11	100yr-6hr	442.21	3600.4	3602.7	3602.7	3603.1	0.014	6.39	113.4	125.8	0.84
SF	1	10	2yr-24hr	81.40	3595.7	3597.2		3597.3	0.005	2.28	36.0	47.2	0.44
SF	1	10	10yr-24hr	307.58	3595.7	3598.2		3598.4	0.005	3.73	93.0	71.6	0.49
SF	1	10	100yr-6hr	442.21	3595.7	3598.5		3598.8	0.005	4.32	119.6	80.5	0.52
SF	1	9	2yr-24hr	81.40	3591.6	3592.9	3592.8	3593.1	0.017	3.57	22.8	36.3	0.79
SF	1	9	10yr-24hr	307.58	3591.6	3593.6	3593.6	3594.2	0.019	6.06	54.7	56.7	0.94
SF	1	9	100yr-6hr	442.21	3591.6	3594.0	3594.0	3594.6	0.017	6.65	75.3	66.7	0.92
SF	1	8	2yr-24hr	81.40	3590.3	3591.1	3590.9	3591.2	0.009	2.06	39.7	91.6	0.54
SF	1	8	10yr-24hr	307.58	3590.3	3591.7		3591.9	0.007	3.22	99.6	107.1	0.55
SF	1	8	100yr-6hr	442.21	3590.3	3592.0		3592.2	0.007	3.71	125.9	113.3	0.58
SF	1	7	2yr-24hr	81.40	3586.5	3587.7		3587.8	0.004	2.13	41.2	60.7	0.42
SF	1	7	10yr-24hr	307.58	3586.5	3588.7		3588.8	0.005	2.76	120.2	119.1	0.46
SF	1	7	100yr-6hr	442.21	3586.5	3589.0		3589.1	0.005	3.16	155.0	139.6	0.48
SF	1	6	2yr-24hr	81.40	3582.5	3584.4		3584.5	0.007	2.21	38.1	68.2	0.50
SF	1	6	10yr-24hr	307.58	3582.5	3585.1	3584.8	3585.2	0.008	3.73	100.4	151.6	0.60
SF	1	6	100yr-6hr	442.21	3582.5	3585.3	3585.1	3585.5	0.009	4.27	131.6	156.7	0.64
SF	1	5	2yr-24hr	81.40	3578.6	3581.0		3581.1	0.005	2.64	30.8	28.5	0.45
SF	1	5	10yr-24hr	307.58	3578.6	3582.1	3581.5	3582.2	0.004	3.23	131.4	159.7	0.45
SF	1	5	100yr-6hr	442.21	3578.6	3582.3	3581.9	3582.5	0.004	3.56	174.6	165.9	0.46
SF	1	4	2yr-24hr	81.40	3574.6	3577.4		3577.5	0.005	2.80	29.1	26.3	0.47
SF	1	4	10yr-24hr	307.58	3574.6	3578.5		3578.7	0.007	3.88	89.5	87.5	0.56
SF	1	4	100yr-6hr	442.21	3574.6	3578.8		3579.1	0.007	4.44	117.5	106.6	0.59
SF	1	3	2yr-24hr	81.40	3571.7	3574.6		3574.9	0.007	4.17	23.2	16.2	0.54
SF	1	3	10yr-24hr	307.58	3571.7	3576.0	3575.6	3576.1	0.007	3.85	110.9	119.4	0.55
SF	1	3	100yr-6hr	442.21	3571.7	3576.3	3575.9	3576.4	0.007	3.56	153.9	146.3	0.55
SF	1	2	2yr-24hr	81.40	3567.3	3569.8	3569.2	3569.9	0.006	3.12	26.1	23.4	0.52
SF	1	2	10yr-24hr	307.58	3567.3	3571.3		3571.5	0.007	4.09	75.9	55.6	0.58
SF	1	2	100yr-6hr	442.21	3567.3	3571.6		3572.0	0.007	4.64	99.1	67.4	0.60
SF	1	1	2yr-24hr	81.40	3564.1	3565.7	3565.4	3565.9	0.008	3.45	25.9	27.6	0.58
SF	1	1	10yr-24hr	307.58	3564.1	3567.0	3566.5	3567.3	0.008	4.60	73.9	47.5	0.63
SF	1	1	100yr-6hr	442.21	3564.1	3567.5	3566.9	3567.8	0.008	4.88	99.1	56.5	0.63

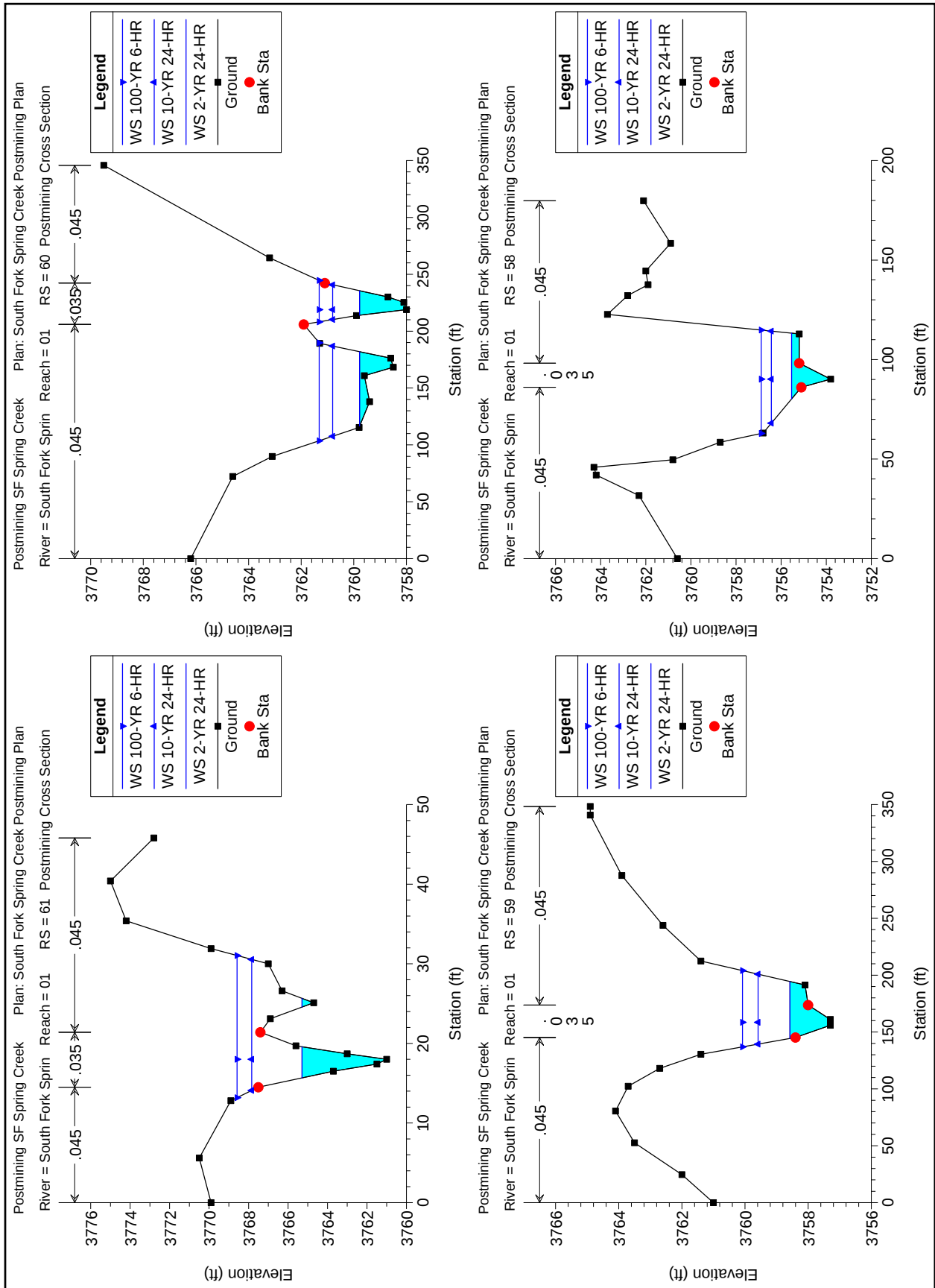


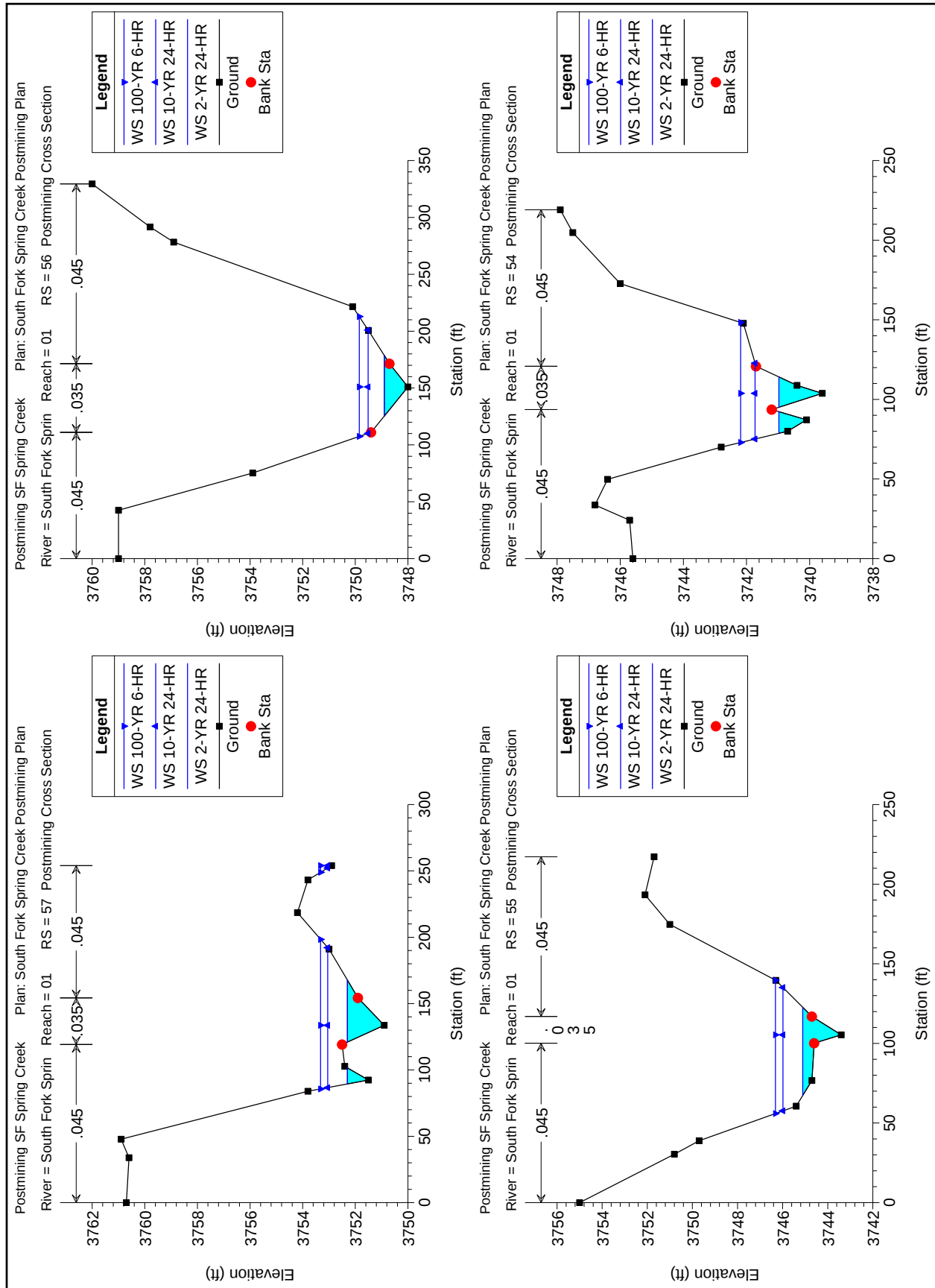


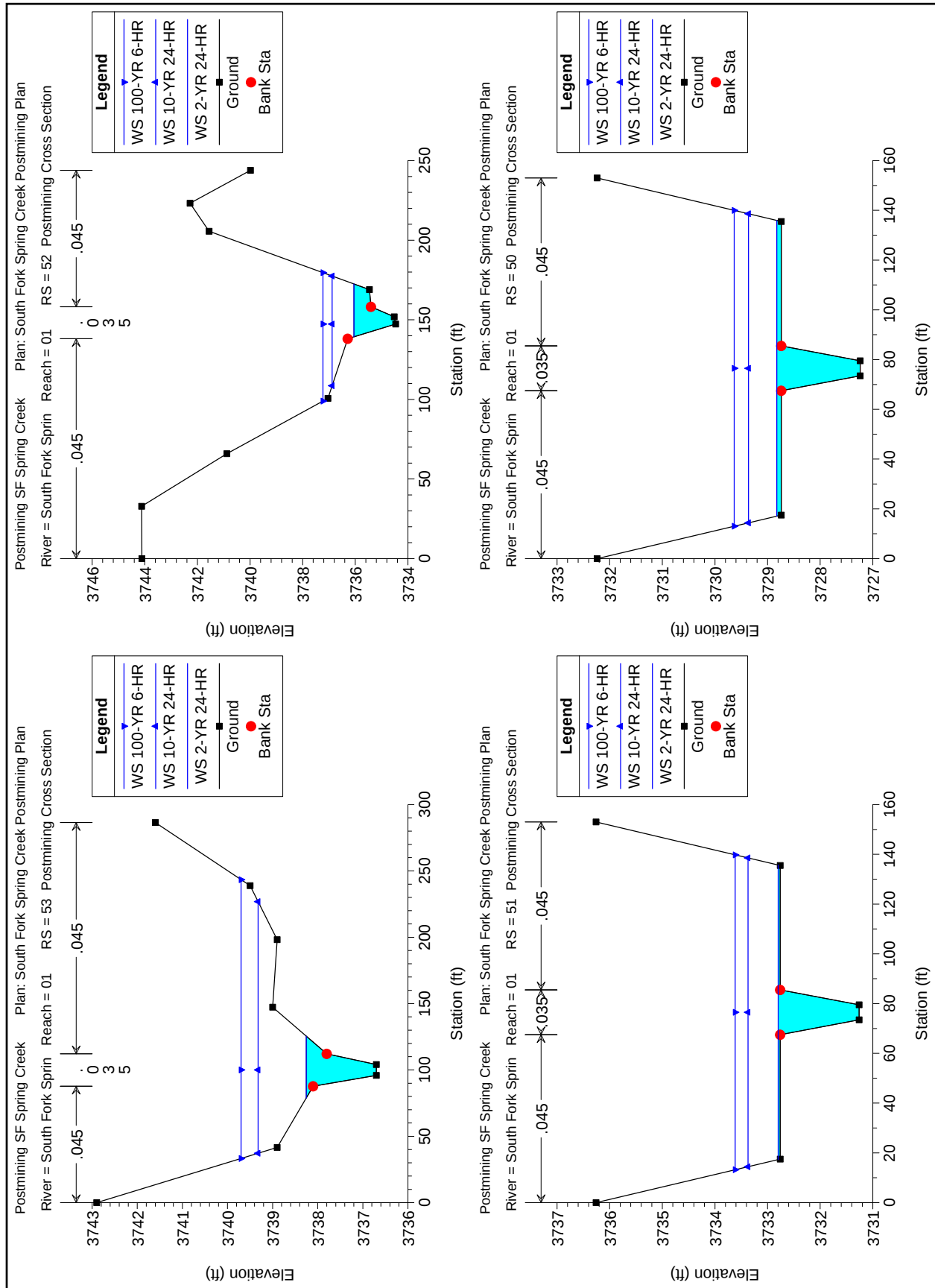


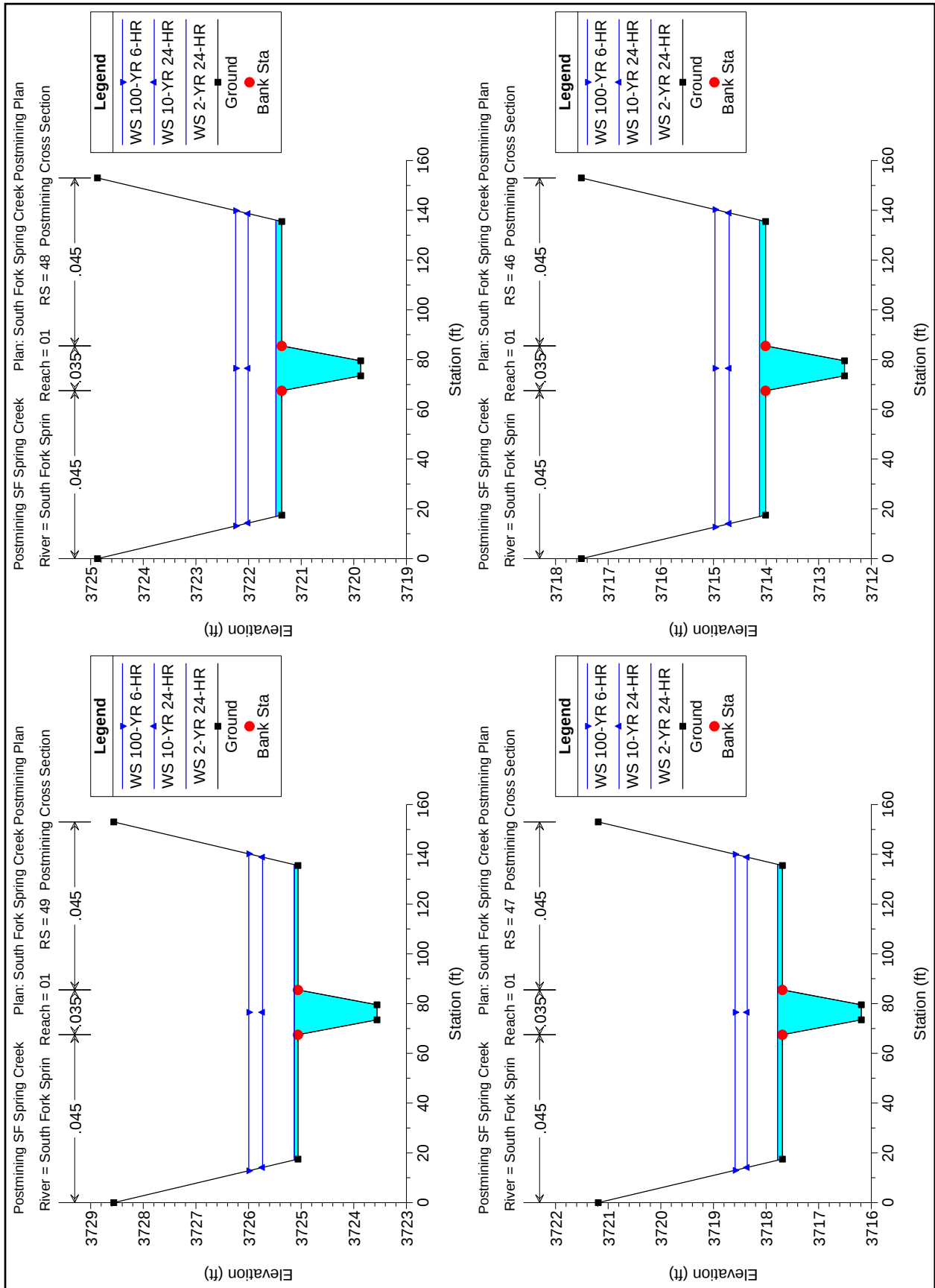


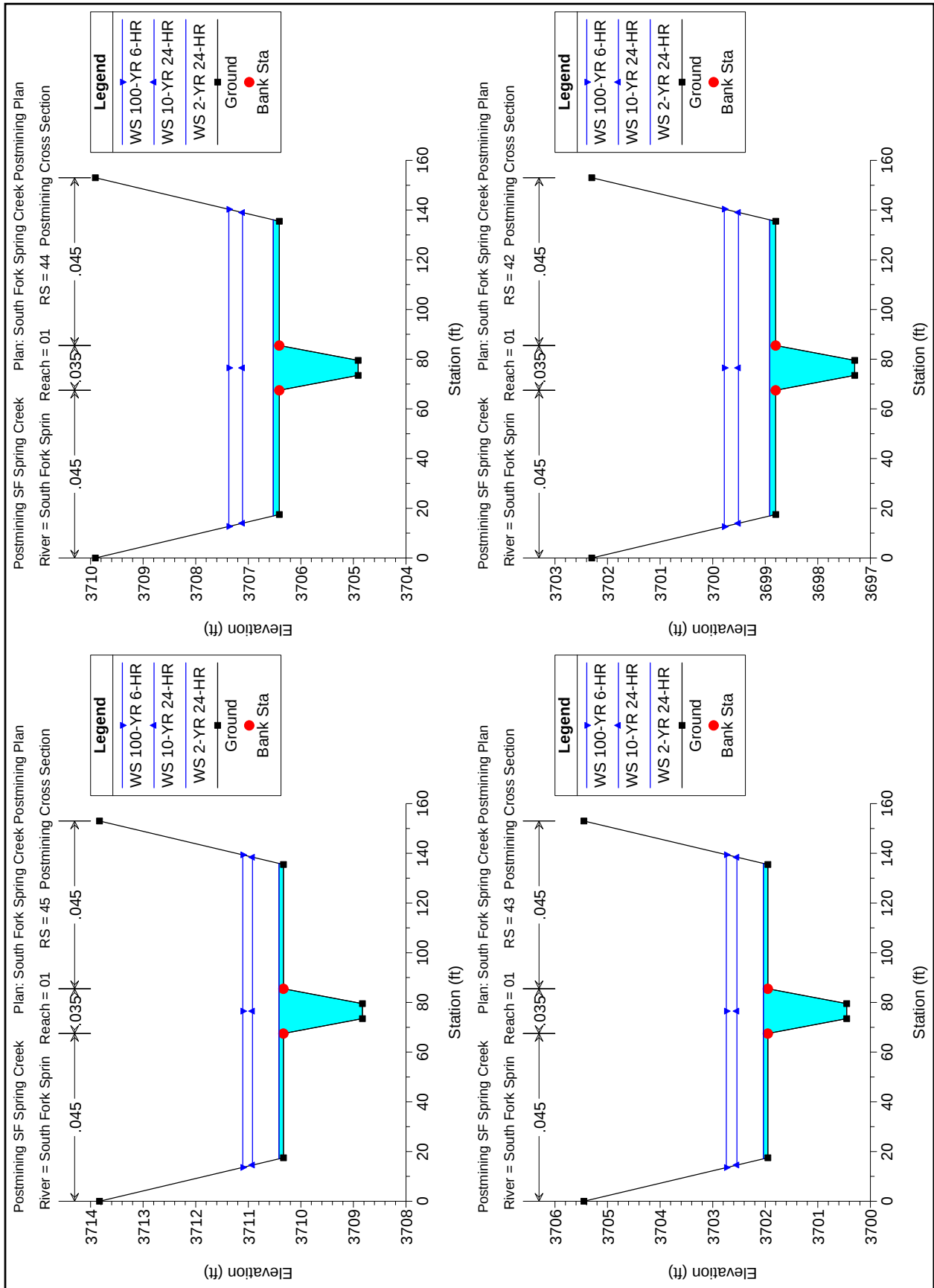


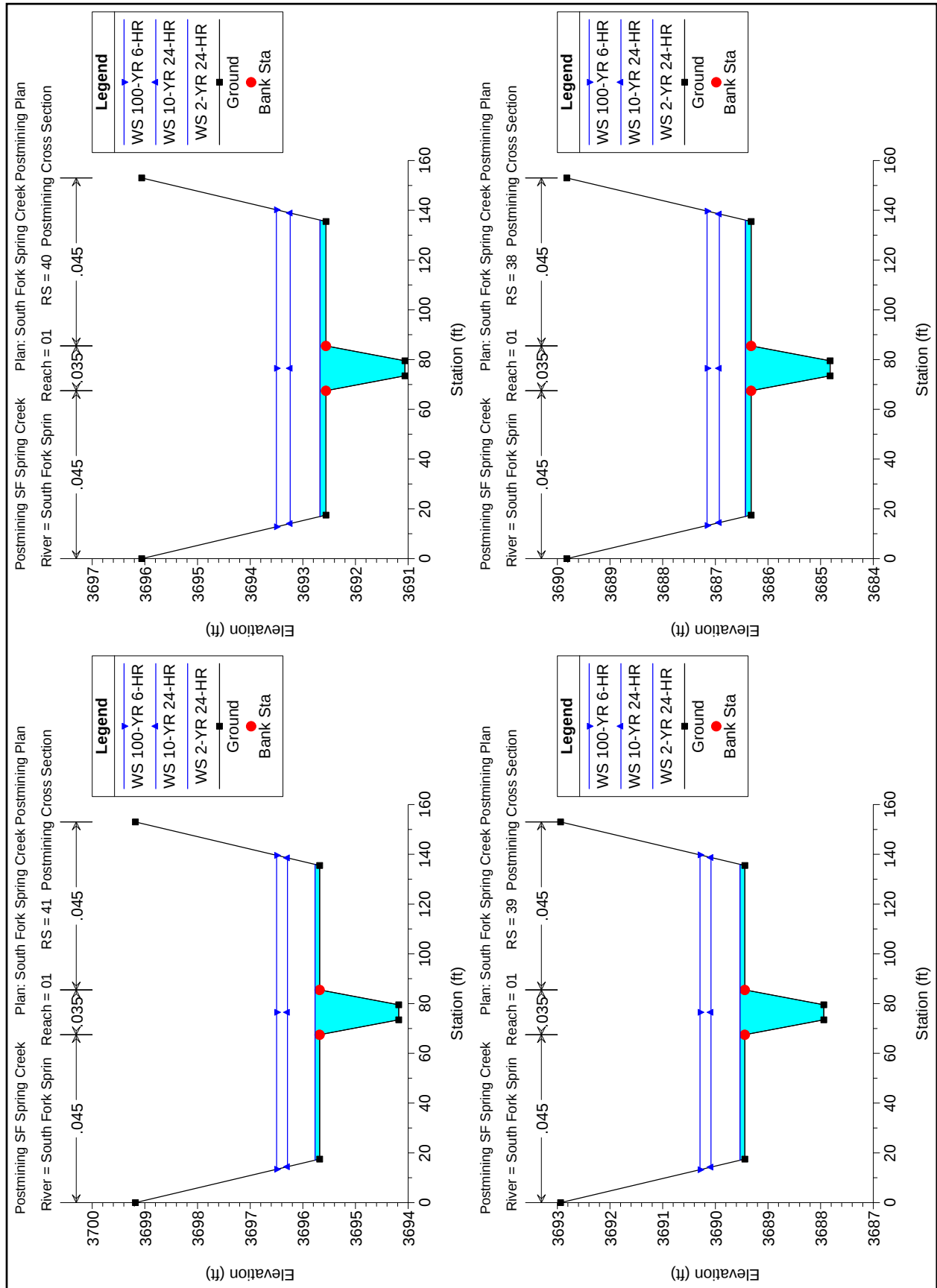


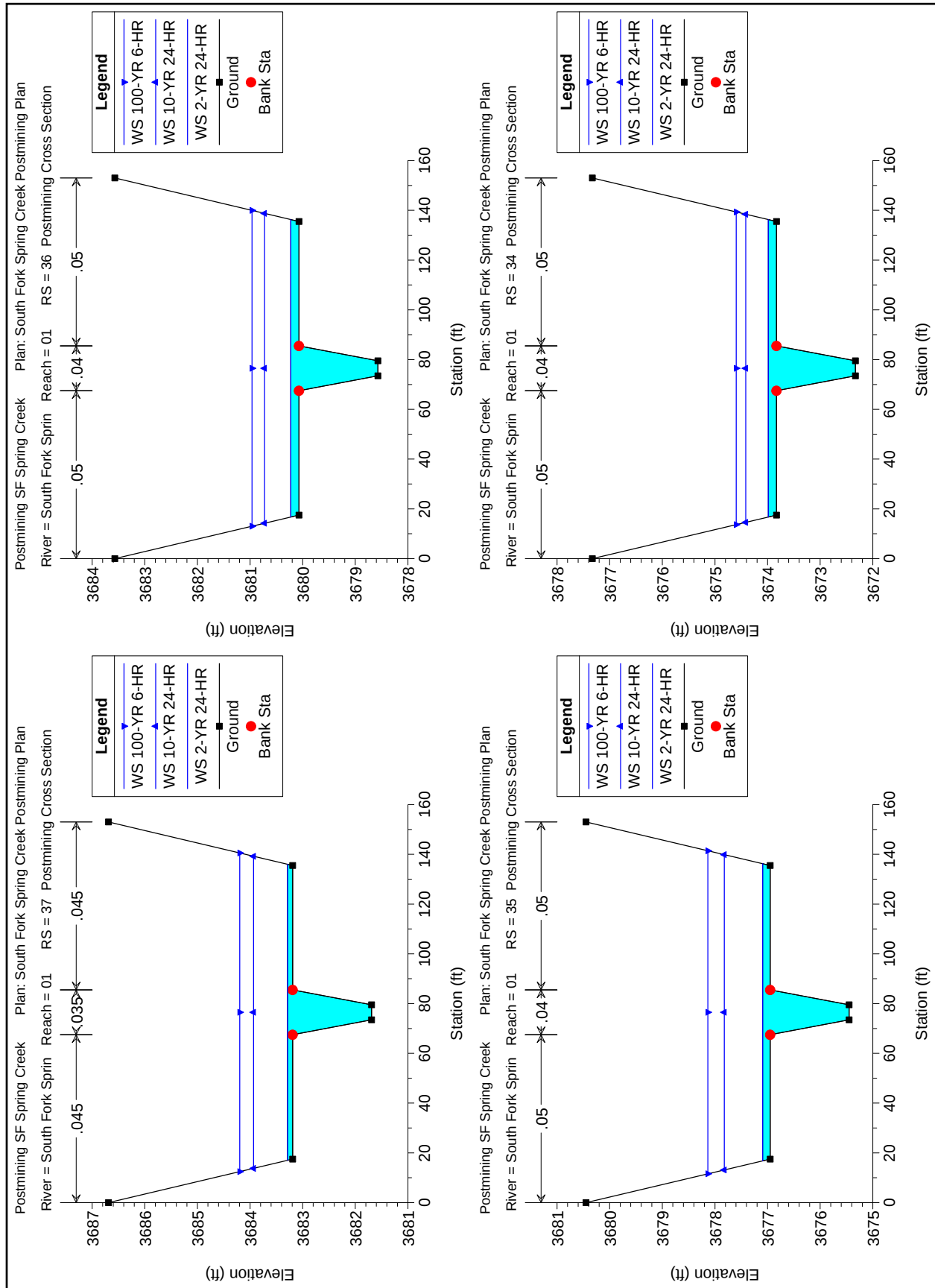


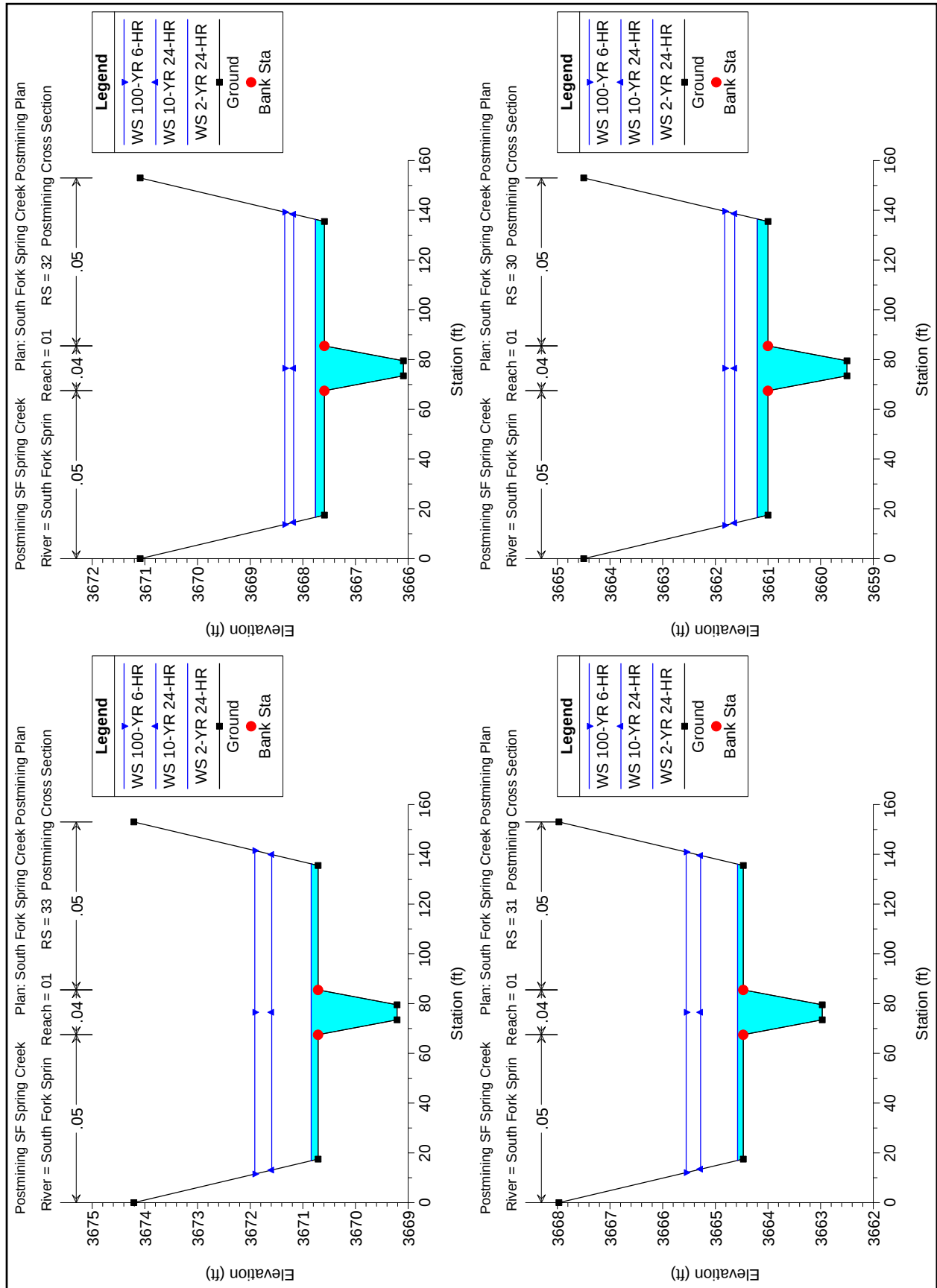


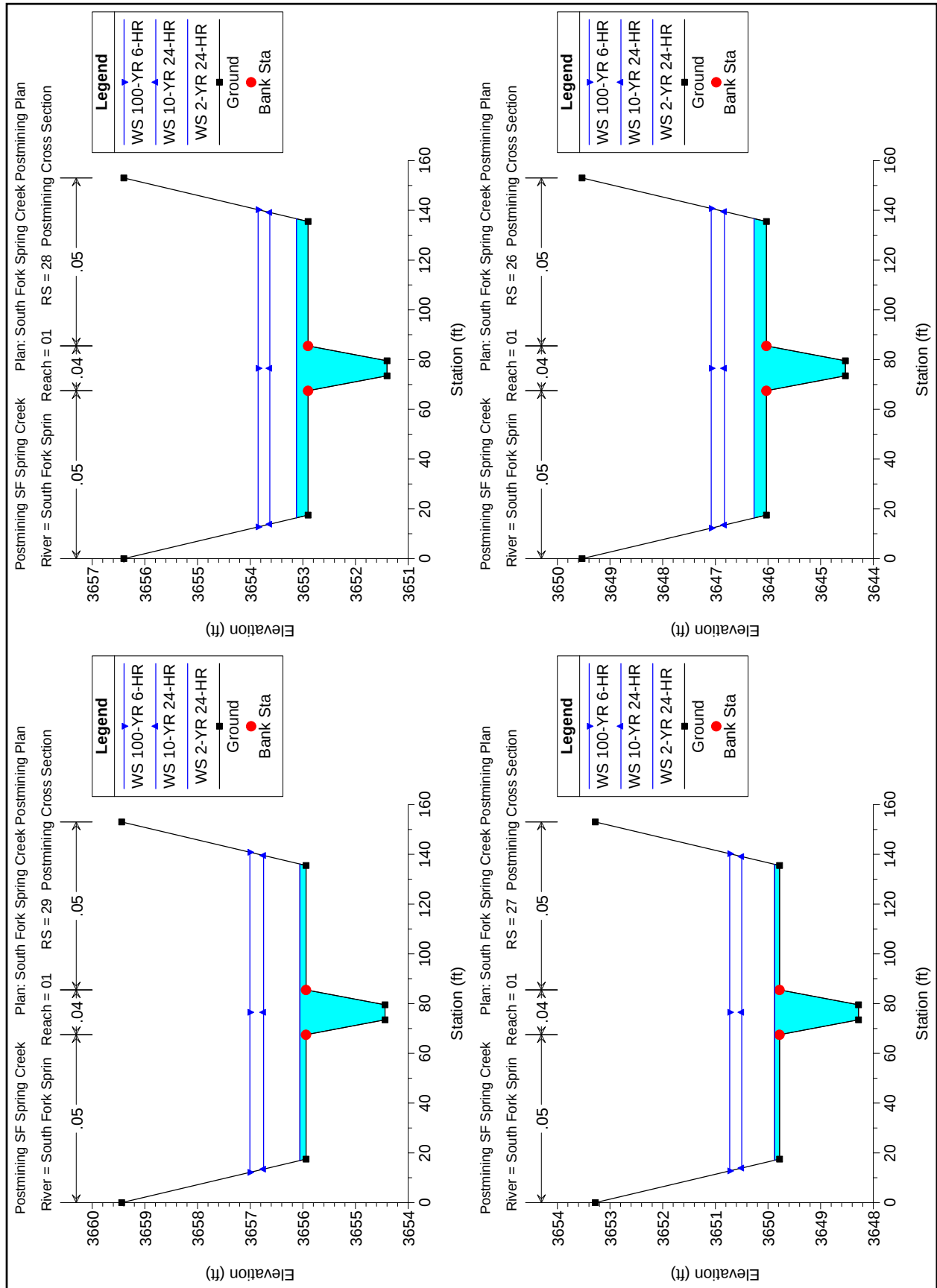


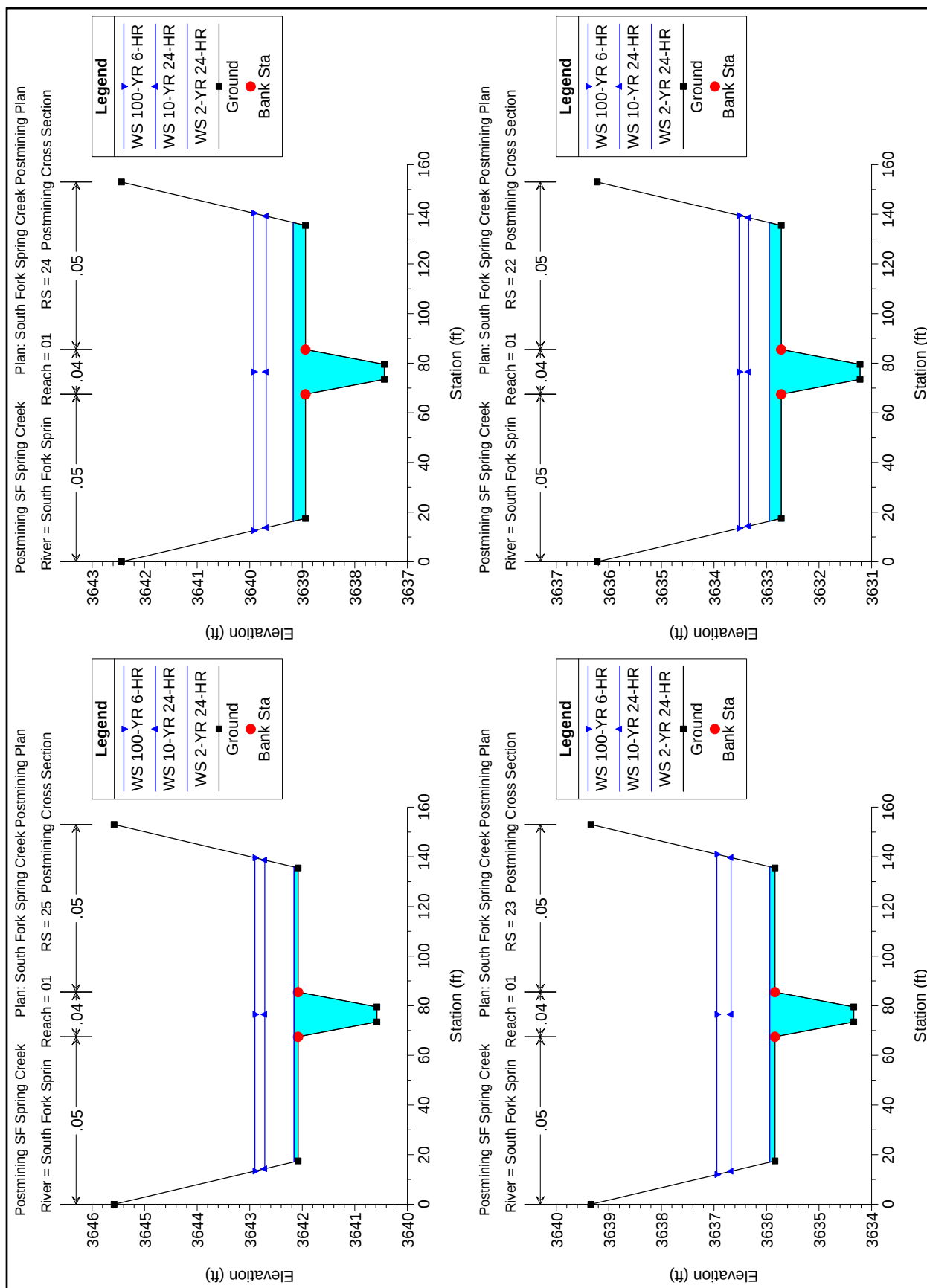


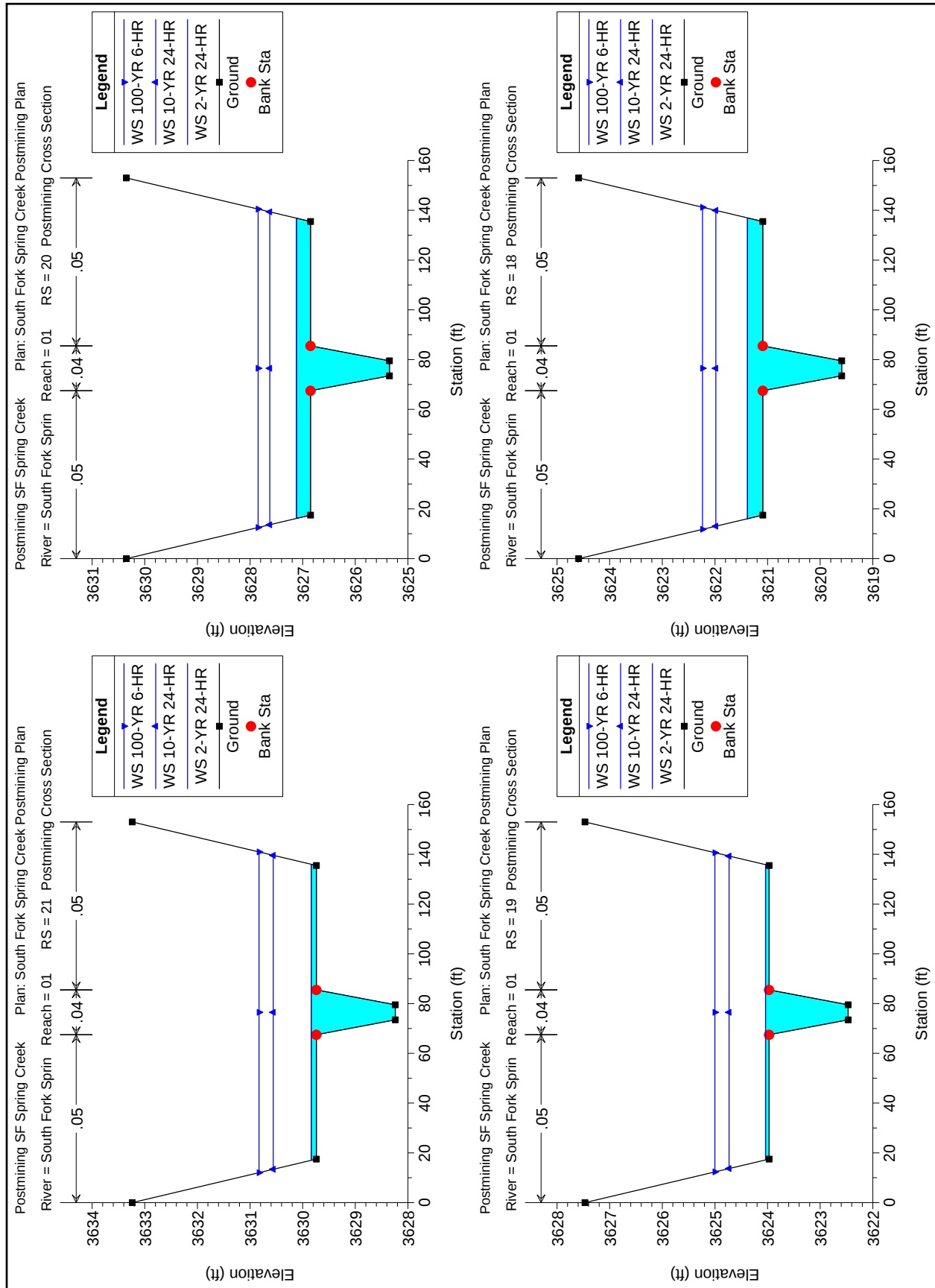


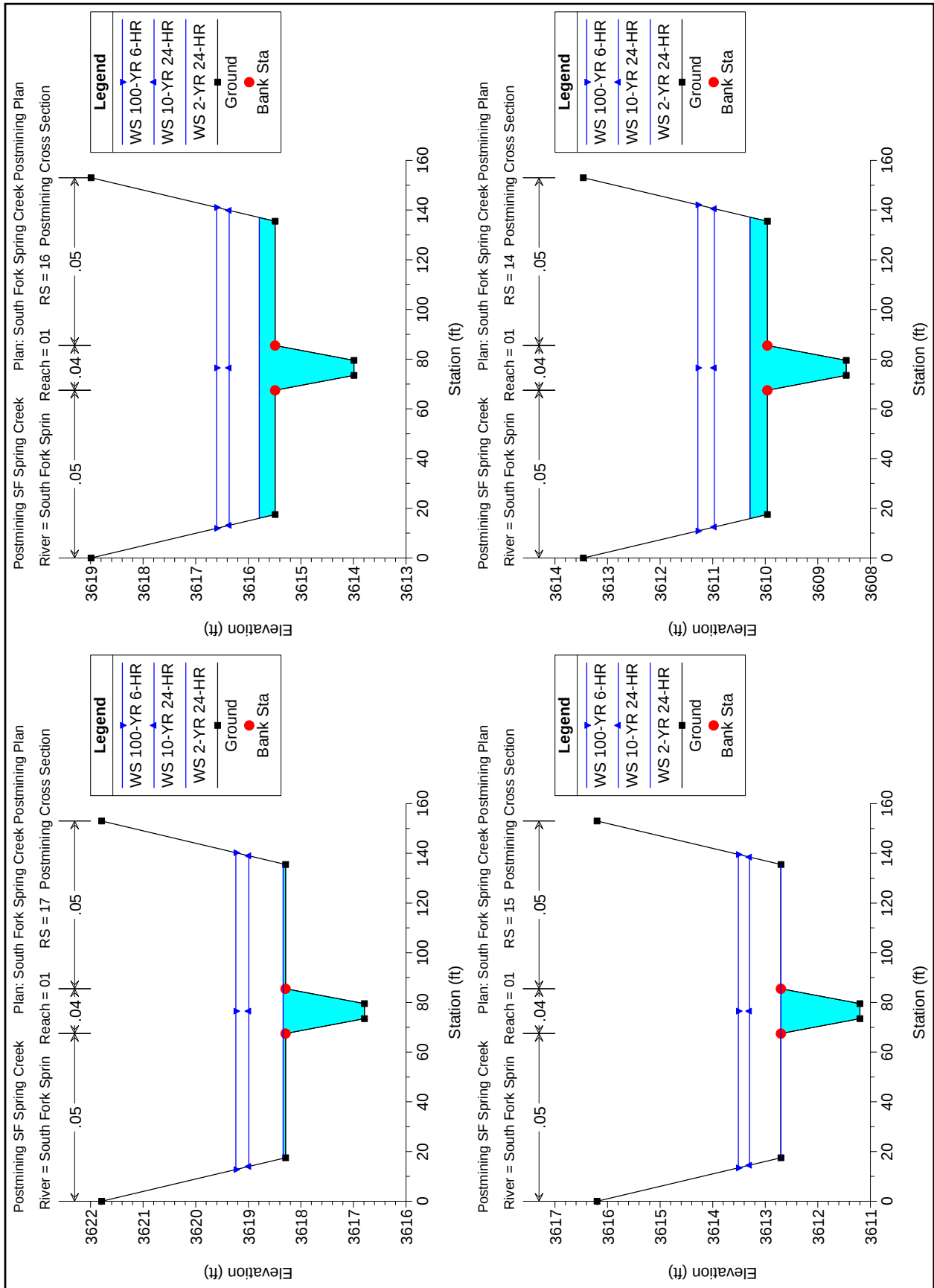


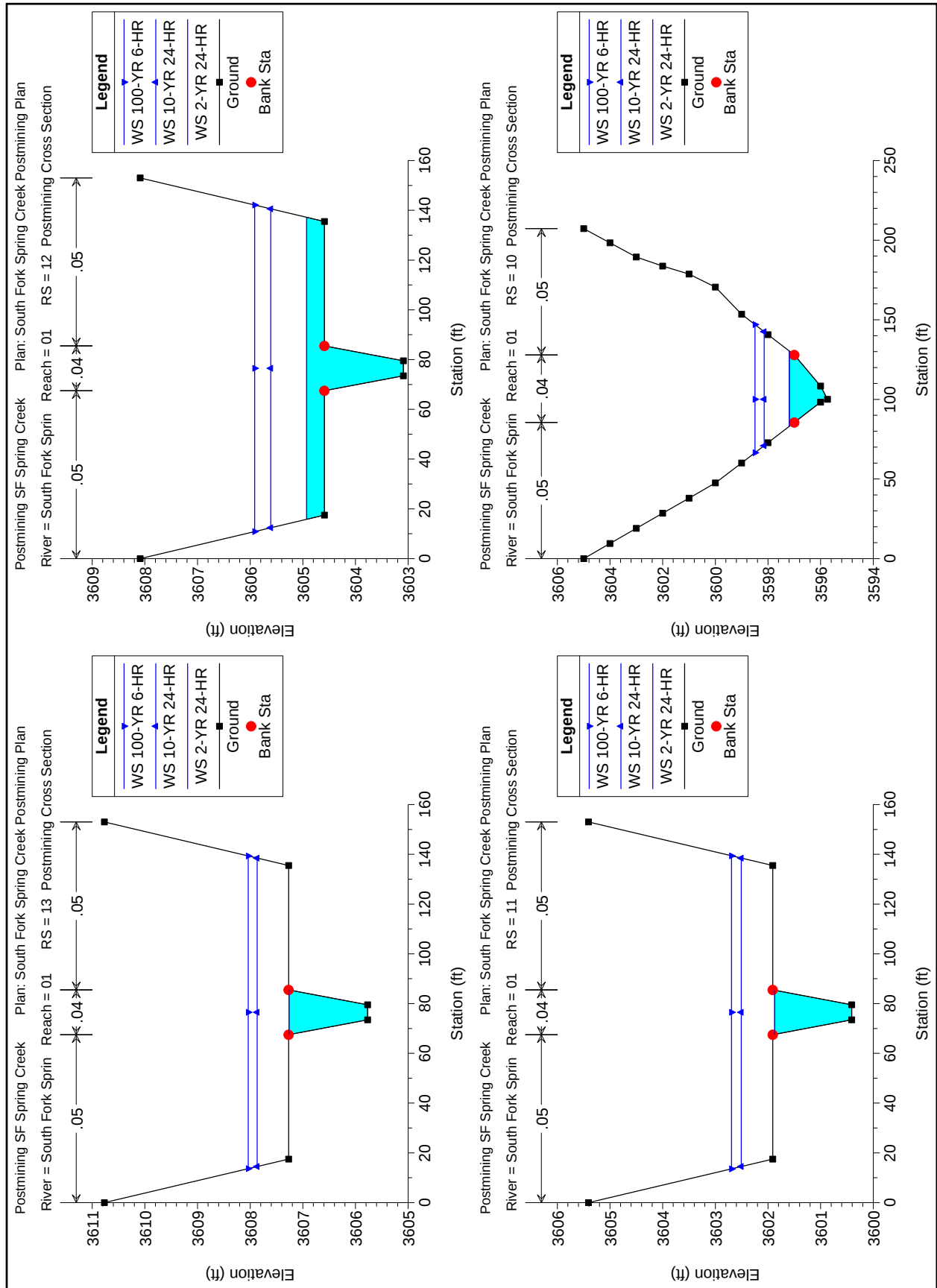


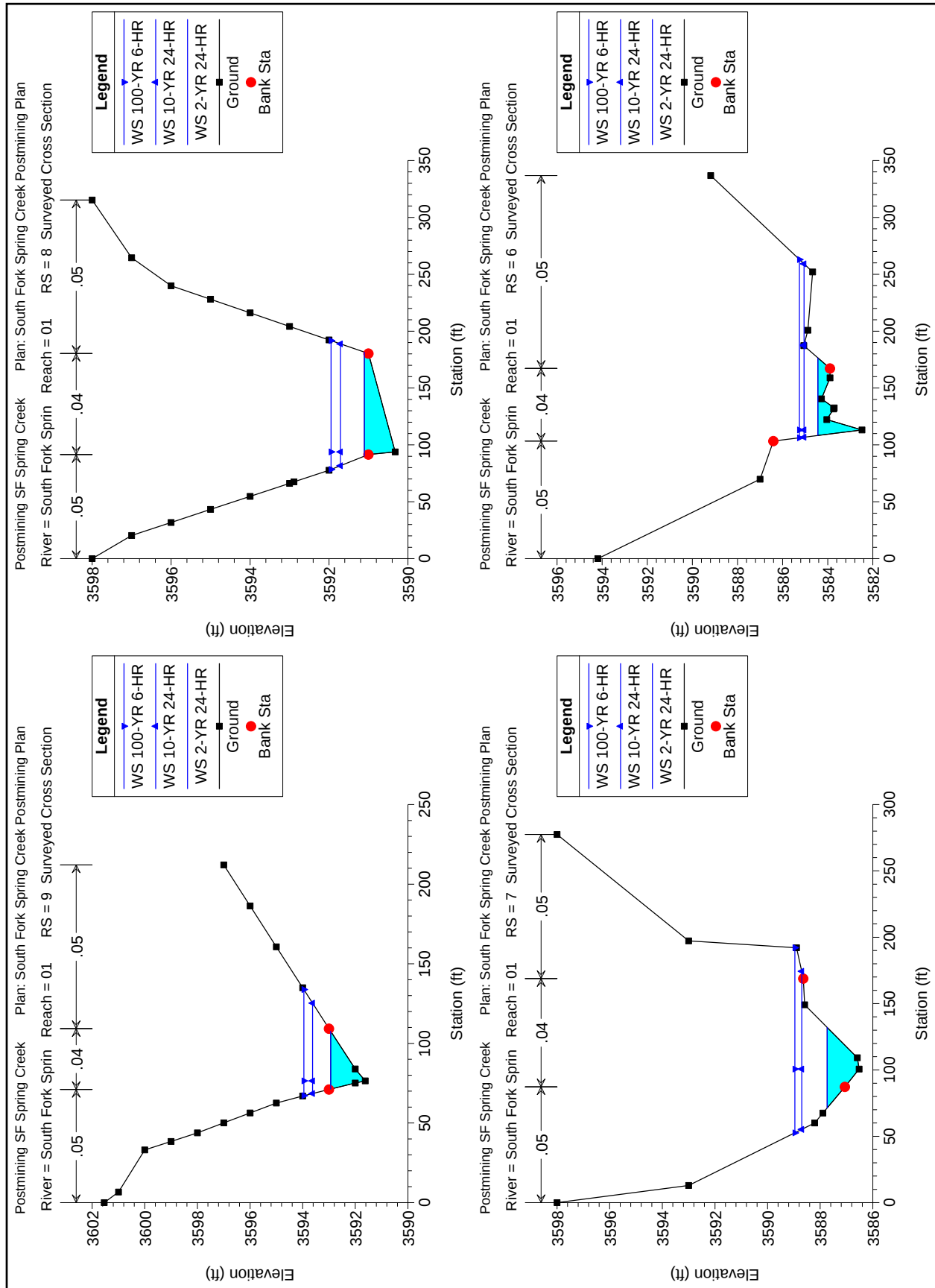


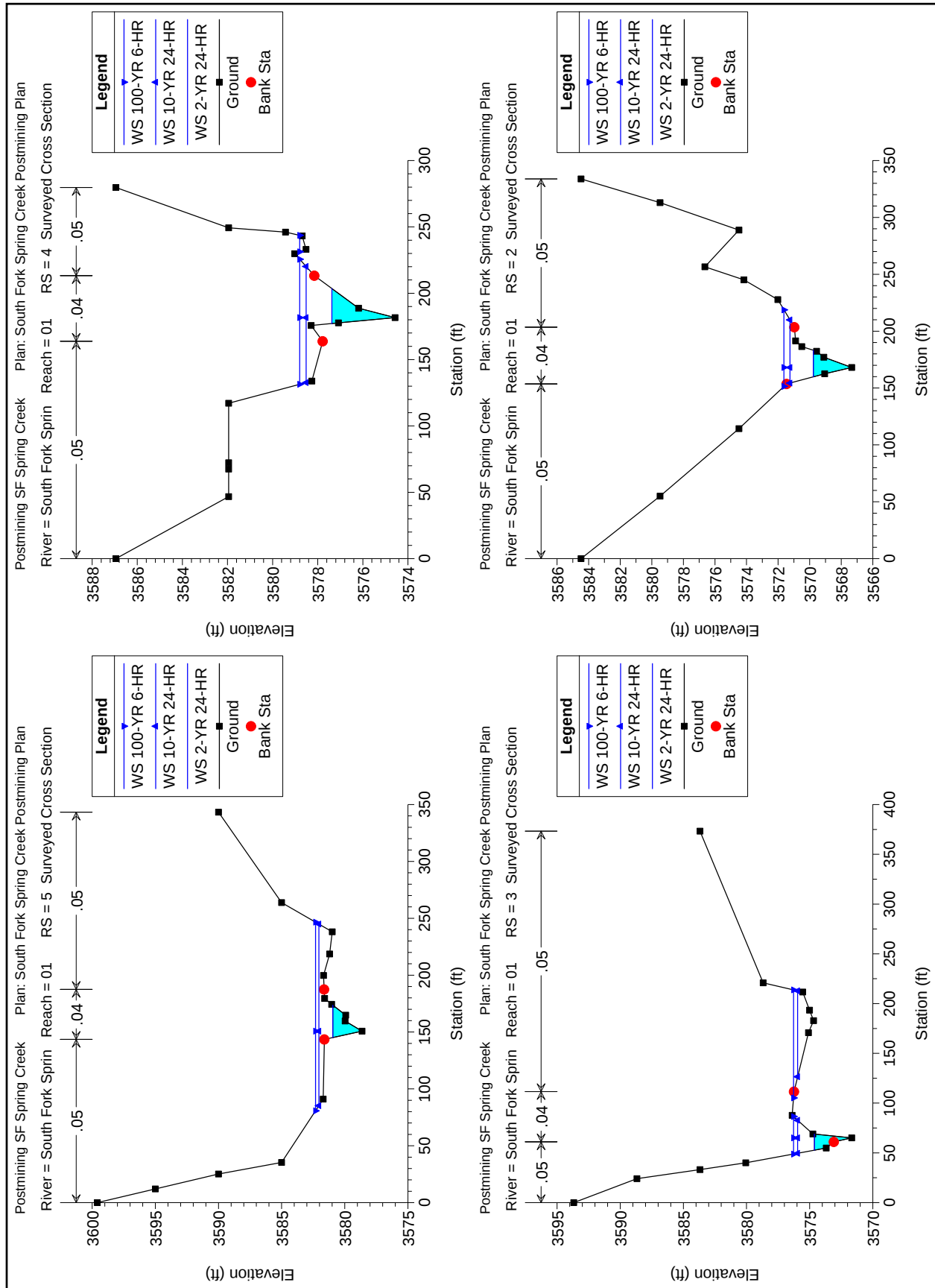


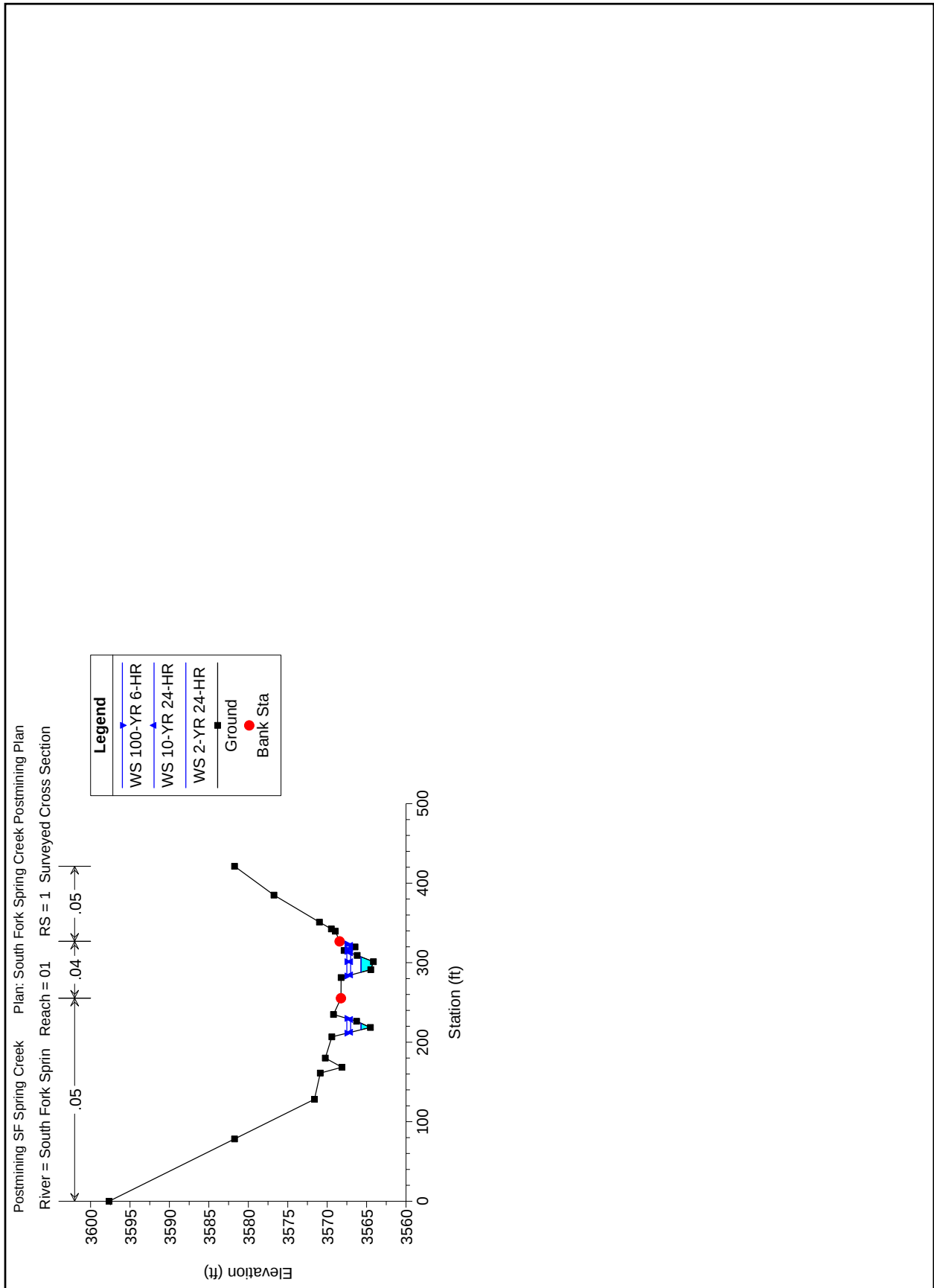












ATTACHMENT J-2

POSTMINE HEC-RAS RESULTS

Pearson Creek Drainage

**Pearson Creek Station 0 through 33
South Fork Pearson Creek Station 34 through 48**

HEC-RAS Plan: PostminingPC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Ch1
SFPC	1	48	2yr-24hr	31.14	3669.68	3670.37		3670.56	0.020	3.54	8.79	15.5	0.83
SFPC	1	48	10yr-24hr	165.49	3669.68	3671.46	3671.46	3671.73	0.010	4.56	53.33	111.1	0.69
SFPC	1	48	100yr-6hr	296.19	3669.68	3671.74	3671.74	3672.07	0.011	5.45	86.1	122.3	0.75
SFPC	1	47	2yr-24hr	31.14	3662.7	3663.53		3663.65	0.010	2.83	11.01	16.6	0.61
SFPC	1	47	10yr-24hr	165.49	3662.7	3664.48	3664.48	3664.75	0.010	4.56	53.33	111.1	0.69
SFPC	1	47	100yr-6hr	296.19	3662.7	3664.76	3664.76	3665.09	0.011	5.45	86.1	122.3	0.75
SFPC	1	46	2yr-24hr	36.83	3655.61	3656.37		3656.58	0.020	3.73	9.89	16.1	0.84
SFPC	1	46	10yr-24hr	188.64	3655.61	3657.45	3657.45	3657.73	0.010	4.71	60.41	113.6	0.69
SFPC	1	46	100yr-6hr	339.37	3655.61	3657.74	3657.74	3658.09	0.012	5.71	94.83	125.2	0.77
SFPC	1	45	2yr-24hr	36.83	3648.57	3649.47		3649.61	0.010	3	12.28	17.2	0.63
SFPC	1	45	10yr-24hr	188.64	3648.57	3650.41	3650.41	3650.69	0.010	4.71	60.41	113.6	0.69
SFPC	1	45	100yr-6hr	339.37	3648.57	3650.7	3650.7	3651.05	0.012	5.71	94.83	125.2	0.77
SFPC	1	44	2yr-24hr	36.83	3642.04	3642.83		3643.02	0.017	3.56	10.33	16.3	0.79
SFPC	1	44	10yr-24hr	188.64	3642.04	3643.88	3643.88	3644.16	0.010	4.71	60.49	113.7	0.69
SFPC	1	44	100yr-6hr	339.37	3642.04	3644.17	3644.17	3644.52	0.012	5.71	94.83	125.2	0.77
SFPC	1	43	2yr-24hr	36.83	3635.69	3636.61		3636.75	0.010	2.91	12.65	17.4	0.6
SFPC	1	43	10yr-24hr	188.64	3635.69	3637.53	3637.53	3637.81	0.010	4.71	60.49	113.7	0.69
SFPC	1	43	100yr-6hr	339.37	3635.69	3637.82	3637.82	3638.17	0.012	5.71	94.83	125.2	0.77
SFPC	1	42	2yr-24hr	36.83	3629.42	3630.2		3630.4	0.018	3.6	10.24	16.2	0.8
SFPC	1	42	10yr-24hr	188.64	3629.42	3631.26	3631.26	3631.54	0.010	4.71	60.49	113.7	0.69
SFPC	1	42	100yr-6hr	339.37	3629.42	3631.55	3631.55	3631.9	0.012	5.71	94.83	125.2	0.77
SFPC	1	41	2yr-24hr	36.83	3623.14	3624.08		3624.2	0.009	2.87	12.85	17.5	0.59
SFPC	1	41	10yr-24hr	188.64	3623.14	3624.98	3624.98	3625.26	0.010	4.71	60.41	113.6	0.69
SFPC	1	41	100yr-6hr	339.37	3623.14	3625.27	3625.27	3625.62	0.012	5.71	94.83	125.2	0.77
SFPC	1	40	2yr-24hr	36.83	3617.83	3618.68		3618.84	0.013	3.21	11.46	16.8	0.69
SFPC	1	40	10yr-24hr	188.64	3617.83	3619.67	3619.67	3619.95	0.010	4.71	60.49	113.7	0.69
SFPC	1	40	100yr-6hr	339.37	3617.83	3619.96	3619.96	3620.31	0.012	5.7	94.89	125.2	0.77
SFPC	1	39	2yr-24hr	36.83	3613.48	3614.53		3614.62	0.006	2.47	14.9	18.4	0.48
SFPC	1	39	10yr-24hr	188.64	3613.48	3615.37	3615.32	3615.6	0.008	4.39	65.83	115.5	0.64
SFPC	1	39	100yr-6hr	339.37	3613.48	3615.72	3615.61	3615.98	0.008	4.99	109.36	129.7	0.65
SFPC	1	38	2yr-24hr	36.83	3609.13	3609.95	3609.81	3610.13	0.015	3.4	10.82	16.5	0.74
SFPC	1	38	10yr-24hr	188.64	3609.13	3610.98	3610.97	3611.25	0.010	4.64	61.66	114.1	0.68
SFPC	1	38	100yr-6hr	339.37	3609.13	3611.28	3611.26	3611.61	0.011	5.54	97.96	126.2	0.74
SFPC	1	37	2yr-24hr	36.83	3604.78	3605.87		3605.95	0.005	2.36	15.6	18.7	0.46
SFPC	1	37	10yr-24hr	188.64	3604.78	3606.65	3606.62	3606.9	0.009	4.53	63.33	114.7	0.66
SFPC	1	37	100yr-6hr	339.37	3604.78	3606.98	3606.91	3607.27	0.010	5.27	103.2	127.8	0.7
SFPC	1	36	2yr-24hr	36.83	3600.43	3601.19	3601.11	3601.4	0.019	3.72	9.91	16.1	0.83
SFPC	1	36	10yr-24hr	188.64	3600.43	3602.27	3602.27	3602.55	0.010	4.71	60.41	113.6	0.69
SFPC	1	36	100yr-6hr	339.37	3600.43	3602.56	3602.56	3602.91	0.012	5.71	94.83	125.2	0.77
SFPC	1	35	2yr-24hr	36.83	3596.08	3597.22		3597.29	0.004	2.23	16.52	19.1	0.42
SFPC	1	35	10yr-24hr	188.64	3596.08	3597.96	3597.92	3598.2	0.009	4.44	65.04	115.3	0.64
SFPC	1	35	100yr-6hr	339.37	3596.08	3598.31	3598.21	3598.57	0.009	5.07	107.62	129.2	0.66
SFPC	1	34	2yr-24hr	36.83	3591.72	3592.4	3592.4	3592.68	0.029	4.25	8.67	15.5	1

HEC-RAS Plan: PostminingPC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
SFPC	1	34	10yr-24hr	188.64	3591.72	3593.56	3593.56	3593.84	0.010	4.71	60.41	113.6	0.69
SFPC	1	34	100yr-6hr	339.37	3591.72	3593.85	3593.85	3594.2	0.012	5.71	94.83	125.2	0.77
PC	1	33	2yr-24hr	5.88	3840.76	3841.21	3841.1	3841.24	0.010	1.47	3.99	16.5	0.53
PC	1	33	10yr-24hr	54.3	3840.76	3841.8	3841.63	3841.92	0.014	2.81	19.3	37.9	0.7
PC	1	33	100yr-6hr	108.98	3840.76	3842.05	3841.94	3842.25	0.016	3.61	30.32	46.4	0.77
PC	1	32	2yr-24hr	5.88	3830.99	3831.19	3831.19	3831.24	0.059	1.92	3.07	31.3	1.08
PC	1	32	10yr-24hr	54.3	3830.99	3831.49	3831.49	3831.65	0.035	3.18	17.08	55.5	1.01
PC	1	32	100yr-6hr	108.98	3830.99	3831.69	3831.69	3831.91	0.031	3.81	28.58	64.2	1.01
PC	1	31	2yr-24hr	5.88	3813.63	3813.9	3813.84	3813.96	0.019	2	2.95	12.1	0.71
PC	1	31	10yr-24hr	54.3	3813.63	3814.5	3814.49	3814.83	0.026	4.65	11.68	16.9	0.99
PC	1	31	100yr-6hr	108.98	3813.63	3814.92	3814.92	3815.4	0.025	5.6	19.46	20.3	1.01
PC	1	30	2yr-24hr	5.88	3800.22	3800.43	3800.43	3800.53	0.040	2.53	2.32	11.7	1
PC	1	30	10yr-24hr	54.3	3800.22	3801.08	3801.08	3801.42	0.027	4.73	11.48	16.8	1.01
PC	1	30	100yr-6hr	108.98	3800.22	3801.5	3801.5	3801.99	0.025	5.61	19.41	20.3	1.01
PC	1	29	2yr-24hr	5.88	3785.9	3786.11	3786.11	3786.21	0.040	2.53	2.32	11.7	1
PC	1	29	10yr-24hr	54.3	3785.9	3786.76	3786.76	3787.1	0.027	4.73	11.48	16.8	1.01
PC	1	29	100yr-6hr	108.98	3785.9	3787.19	3787.19	3787.67	0.024	5.59	19.5	20.3	1
PC	1	28	2yr-24hr	5.88	3771.59	3771.8	3771.8	3771.9	0.040	2.53	2.32	11.7	1
PC	1	28	10yr-24hr	54.3	3771.59	3772.45	3772.45	3772.79	0.027	4.73	11.48	16.8	1.01
PC	1	28	100yr-6hr	108.98	3771.59	3772.88	3772.88	3773.36	0.025	5.6	19.46	20.3	1.01
PC	1	27	2yr-24hr	5.88	3757.28	3757.49	3757.49	3757.59	0.040	2.53	2.32	11.7	1
PC	1	27	10yr-24hr	54.3	3757.28	3758.14	3758.14	3758.48	0.027	4.73	11.48	16.8	1.01
PC	1	27	100yr-6hr	108.98	3757.28	3758.56	3758.56	3759.05	0.025	5.61	19.42	20.3	1.01
PC	1	26	2yr-24hr	5.88	3742.96	3743.17	3743.17	3743.27	0.040	2.53	2.32	11.7	1
PC	1	26	10yr-24hr	54.3	3742.96	3743.82	3743.82	3744.16	0.027	4.73	11.48	16.8	1.01
PC	1	26	100yr-6hr	108.98	3742.96	3744.25	3744.25	3744.73	0.024	5.6	19.47	20.3	1.01
PC	1	25	2yr-24hr	5.88	3728.65	3728.86	3728.86	3728.96	0.040	2.53	2.32	11.7	1
PC	1	25	10yr-24hr	54.3	3728.65	3729.51	3729.51	3729.85	0.027	4.73	11.48	16.8	1.01
PC	1	25	100yr-6hr	108.98	3728.65	3729.94	3729.94	3730.42	0.025	5.6	19.46	20.3	1.01
PC	1	24	2yr-24hr	5.88	3714.36	3714.6		3714.68	0.028	2.25	2.62	11.9	0.84
PC	1	24	10yr-24hr	54.3	3714.36	3715.28	3715.22	3715.57	0.021	4.31	12.61	17.4	0.89
PC	1	24	100yr-6hr	108.98	3714.36	3715.64	3715.64	3716.13	0.025	5.61	19.41	20.3	1.01
PC	1	23	2yr-24hr	5.88	3705.66	3705.97		3706.01	0.012	1.71	3.44	12.5	0.57
PC	1	23	10yr-24hr	54.3	3705.66	3706.68		3706.9	0.015	3.79	14.32	18.1	0.75
PC	1	23	100yr-6hr	108.98	3705.66	3707.2	3706.95	3707.49	0.012	4.32	27.58	82.2	0.71
PC	1	22	2yr-24hr	5.88	3699.41	3699.71		3699.76	0.013	1.77	3.32	12.4	0.6
PC	1	22	10yr-24hr	54.3	3699.41	3700.52		3700.7	0.011	3.4	15.96	18.9	0.65
PC	1	22	100yr-6hr	108.98	3699.41	3700.91	3700.7	3701.23	0.013	4.52	24.31	80.2	0.76
PC	1	21	2yr-24hr	5.88	3693.18	3693.49		3693.53	0.012	1.7	3.46	12.5	0.57
PC	1	21	10yr-24hr	54.3	3693.18	3694.19		3694.42	0.015	3.83	14.19	18.1	0.76
PC	1	21	100yr-6hr	108.98	3693.18	3694.73	3694.46	3695.01	0.011	4.3	27.99	82.5	0.71
PC	1	20	2yr-24hr	5.88	3686.92	3687.22		3687.26	0.014	1.78	3.3	12.4	0.61
PC	1	20	10yr-24hr	54.3	3686.92	3688.03		3688.21	0.010	3.37	16.1	18.9	0.64

HEC-RAS Plan: PostminingPC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
PC	1	20	100yr-6hr	108.98	3686.92	3688.42	3688.21	3688.74	0.014	4.56	23.92	22.0	0.77
PC	1	19	2yr-24hr	5.88	3680.63	3680.94		3680.98	0.012	1.7	3.45	12.5	0.57
PC	1	19	10yr-24hr	54.3	3680.63	3681.63		3681.86	0.016	3.9	13.93	18.0	0.78
PC	1	19	100yr-6hr	108.98	3680.63	3682.18	3681.91	3682.46	0.011	4.29	28.03	82.5	0.71
PC	1	18	2yr-24hr	5.88	3674.42	3674.72		3674.77	0.013	1.77	3.32	12.4	0.6
PC	1	18	10yr-24hr	54.3	3674.42	3675.55		3675.72	0.010	3.3	16.44	19.1	0.63
PC	1	18	100yr-6hr	108.98	3674.42	3675.92	3675.71	3676.24	0.014	4.53	24.18	80.1	0.76
PC	1	17	2yr-24hr	14.33	3668.22	3668.74		3668.82	0.011	2.29	6.26	14.2	0.61
PC	1	17	10yr-24hr	89.5	3668.22	3669.59	3669.37	3669.87	0.013	4.24	21.13	20.9	0.74
PC	1	17	100yr-6hr	174.56	3668.22	3670.03	3670.03	3670.34	0.011	4.8	51.11	95.5	0.71
PC	1	16	2yr-24hr	14.33	3662	3662.49		3662.58	0.014	2.43	5.89	13.9	0.66
PC	1	16	10yr-24hr	89.5	3662	3663.41		3663.67	0.012	4.07	22.01	21.3	0.7
PC	1	16	100yr-6hr	174.56	3662	3663.81	3663.81	3664.12	0.011	4.8	51.04	95.4	0.72
PC	1	15	2yr-24hr	14.33	3656.48	3657.04		3657.11	0.009	2.11	6.79	14.5	0.54
PC	1	15	10yr-24hr	89.5	3656.48	3657.93		3658.17	0.010	3.89	22.99	21.6	0.67
PC	1	15	100yr-6hr	174.56	3656.48	3658.31	3658.29	3658.6	0.010	4.64	53.51	96.7	0.68
PC	1	14	2yr-24hr	14.33	3651.3	3651.81		3651.89	0.012	2.35	6.1	14.1	0.63
PC	1	14	10yr-24hr	89.5	3651.3	3652.75		3652.99	0.010	3.9	22.96	21.6	0.67
PC	1	14	100yr-6hr	174.56	3651.3	3653.11	3653.11	3653.42	0.011	4.78	51.42	95.6	0.71
PC	1	13	2yr-24hr	14.33	3646.15	3646.71		3646.78	0.009	2.08	6.88	14.5	0.53
PC	1	13	10yr-24hr	89.5	3646.15	3647.61	3647.3	3647.84	0.010	3.87	23.1	21.7	0.66
PC	1	13	100yr-6hr	174.56	3646.15	3647.99	3647.96	3648.27	0.010	4.62	53.7	96.8	0.68
PC	1	12	2yr-24hr	14.33	3641.02	3641.52		3641.61	0.013	2.37	6.05	14.0	0.64
PC	1	12	10yr-24hr	89.5	3641.02	3642.47		3642.71	0.010	3.9	22.98	21.6	0.67
PC	1	12	100yr-6hr	174.56	3641.02	3642.83	3642.83	3643.14	0.011	4.77	51.6	95.7	0.71
PC	1	11	2yr-24hr	14.33	3635.83	3636.39		3636.46	0.009	2.08	6.89	14.5	0.53
PC	1	11	10yr-24hr	89.5	3635.83	3637.28		3637.52	0.010	3.9	22.95	21.6	0.67
PC	1	11	100yr-6hr	174.56	3635.83	3637.66	3637.64	3637.95	0.010	4.66	53.11	96.5	0.69
PC	1	10	2yr-24hr	14.33	3630.62	3631.12		3631.21	0.013	2.4	5.96	14.0	0.65
PC	1	10	10yr-24hr	89.5	3630.62	3632.07		3632.31	0.010	3.9	22.92	21.6	0.67
PC	1	10	100yr-6hr	174.56	3630.62	3632.43	3632.43	3632.74	0.011	4.78	51.35	95.6	0.71
PC	1	9	2yr-24hr	14.33	3625.44	3626.01		3626.07	0.008	2.05	6.99	14.6	0.52
PC	1	9	10yr-24hr	89.5	3625.44	3626.9		3627.13	0.010	3.88	23.05	21.7	0.66
PC	1	9	100yr-6hr	174.56	3625.44	3627.27	3627.25	3627.56	0.010	4.64	53.51	96.7	0.68
PC	1	8	2yr-24hr	14.33	3620.26	3620.75		3620.84	0.014	2.44	5.88	13.9	0.66
PC	1	8	10yr-24hr	89.5	3620.26	3621.71		3621.95	0.010	3.91	22.88	21.6	0.67
PC	1	8	100yr-6hr	174.56	3620.26	3622.07	3622.07	3622.38	0.011	4.78	51.42	95.6	0.71
PC	1	7	2yr-24hr	14.33	3615.09	3615.67		3615.73	0.008	2.02	7.09	14.6	0.51
PC	1	7	10yr-24hr	89.5	3615.09	3616.55	3616.24	3616.78	0.010	3.87	23.11	21.7	0.66
PC	1	7	100yr-6hr	174.56	3615.09	3616.93	3616.9	3617.21	0.010	4.63	53.6	96.8	0.68
PC	1	6	2yr-24hr	14.33	3609.91	3610.39		3610.49	0.015	2.49	5.77	13.9	0.68
PC	1	6	10yr-24hr	89.5	3609.91	3611.36		3611.59	0.011	3.92	22.82	21.6	0.67
PC	1	6	100yr-6hr	174.56	3609.91	3611.72	3611.72	3612.03	0.011	4.79	51.25	95.5	0.71

HEC-RAS Plan: PostminingPC (Stations shown on Plate J-4)

River	Reach	Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope	Vel (ft/s)	Flow Area (ft2)	TW (ft)	Froude # Chl
PC	1	5	2yr-24hr	14.33	3604.73	3605.31		3605.37	0.008	2	7.18	14.7	0.5
PC	1	5	10yr-24hr	89.5	3604.73	3606.19	3605.88	3606.42	0.010	3.86	23.18	21.7	0.66
PC	1	5	100yr-6hr	174.56	3604.73	3606.57	3606.54	3606.85	0.010	4.63	53.6	96.8	0.68
PC	1	4	2yr-24hr	14.33	3599.54	3600.02		3600.12	0.016	2.54	5.65	13.8	0.7
PC	1	4	10yr-24hr	89.5	3599.54	3600.98		3601.22	0.011	3.94	22.74	21.5	0.67
PC	1	4	100yr-6hr	174.56	3599.54	3601.35	3601.35	3601.66	0.011	4.8	51.11	95.5	0.71
PC	1	3	2yr-24hr	14.33	3594.23	3594.81		3594.88	0.008	1.99	7.2	14.7	0.5
PC	1	3	10yr-24hr	89.5	3594.23	3595.68		3595.92	0.011	3.92	22.83	21.6	0.67
PC	1	3	100yr-6hr	174.56	3594.23	3596.05	3596.04	3596.35	0.010	4.71	52.47	96.2	0.7
PC	1	2	2yr-24hr	14.33	3588.92	3589.39		3589.49	0.017	2.6	5.52	13.7	0.72
PC	1	2	10yr-24hr	89.5	3588.92	3590.36		3590.6	0.011	3.94	22.74	21.5	0.68
PC	1	2	100yr-6hr	174.56	3588.92	3590.73	3590.73	3591.04	0.011	4.8	51.04	95.4	0.72
PC	2	1	2yr-24hr	54.95	3586.47	3587.64		3587.8	0.009	3.19	17.25	19.4	0.6
PC	2	1	10yr-24hr	288.25	3586.47	3588.48	3588.48	3588.77	0.011	5.2	91.88	142.5	0.72
PC	2	1	100yr-6hr	527.67	3586.47	3588.91	3588.77	3589.19	0.009	5.64	156.19	159.6	0.7
PC	2	0	2yr-24hr	54.95	3585.39	3586.39	3586.25	3586.63	0.016	3.93	13.96	18.0	0.79
PC	2	0	10yr-24hr	288.25	3585.39	3587.4	3587.4	3587.69	0.011	5.24	91.15	142.3	0.73
PC	2	0	100yr-6hr	527.67	3585.39	3587.71	3587.71	3588.09	0.013	6.44	136.89	154.7	0.82

