

**EXISTING CONDITIONS
FLOODPLAN HEC RAS OUTPUT**

HEC-RAS Plan, exmatchWSEL, River, T,th 25 Reach: bald hill

Reach	River Sta	Profile	Min El.	W.S. Elev	Delta WS	E.G. Elev	Delta EG	Frict. Loss	C & E Loss	Vel Head	Q Left	Q Channel	O Right	Length Chnt	E.G. Slope	Vel Chnl
			(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft/s)	(ft/s)
bald hill	2220	10-YR	190.00	579.70	581.68	582.47	0.79				1.85	190.00	0.39	80.00	0.022266	7.14
bald hill	2220	50-YR	350.00	579.70	582.53	583.60	1.07				1.16	430.15	1.73	80.00	0.018004	8.32
bald hill	2220	100-YR	440.00	579.70	582.94	584.10	1.28				0.96	667.38	12.92	80.00	0.0159836	8.73
bald hill	2220	500-YR	740.00	579.70	584.09	585.37					3.47	712.03	24.51	80.00	0.011940	9.55
bald hill	2300	10-YR	190.00	583.30	583.31	583.70	1.23	1.19	0.04	0.39	0.00	190.00	0.00	80.00	0.010700	5.03
bald hill	2300	50-YR	350.00	584.11	584.66	584.66	1.06	1.01	0.05	0.56	0.00	348.26	1.74	80.00	0.009395	6.00
bald hill	2300	100-YR	440.00	584.45	584.45	585.10	0.99	0.94	0.05	0.84	0.10	494.55	5.35	80.00	0.009056	6.48
bald hill	2300	500-YR	740.00	585.29	585.29	586.25	0.88	0.85	0.03	0.96	3.47	712.03	24.51	80.00	0.009478	8.00
bald hill	2400	10-YR	190.00	583.30	584.76	583.42	1.72	1.51	0.06	0.66	0.13	190.00	0.20	100.00	0.022819	6.51
bald hill	2400	50-YR	350.00	585.43	585.39	586.39	1.73	1.32	0.12	0.86	0.13	349.87	0.20	100.00	0.019955	7.87
bald hill	2400	100-YR	440.00	585.75	586.75	586.86	1.76	1.26	0.14	1.11	0.56	438.58	0.87	100.00	0.018705	8.46
bald hill	2400	500-YR	740.00	586.30	586.70	588.19	1.94	1.21	0.16	1.49	4.60	728.24	7.16	100.00	0.015983	9.89
bald hill	2500	10-YR	190.00	586.30	588.20	588.84	3.42	3.40	0.00	0.64	0.04	190.00	0.00	150.00	0.022567	6.44
bald hill	2500	50-YR	350.00	588.87	588.87	588.76	3.37	3.02	0.01	0.89	0.04	350.00	0.00	150.00	0.020402	7.56
bald hill	2500	100-YR	440.00	588.30	589.17	589.19	3.33	2.87	0.01	1.02	0.04	438.95	0.00	150.00	0.019601	8.11
bald hill	2500	500-YR	740.00	590.06	590.06	591.42	3.22	2.41	0.01	1.30	4.89	734.57	0.54	150.00	0.016192	9.39
bald hill	2600	10-YR	190.00	593.95	593.95	594.61	5.77	5.57	0.01	0.66	31.81	158.19		250.00	0.022744	7.13
bald hill	2600	50-YR	350.00	594.73	594.73	595.28	5.52	4.29	0.03	0.55	106.74	243.23	0.03	250.00	0.015534	7.07
bald hill	2600	100-YR	440.00	595.01	595.01	595.53	5.33	3.93	0.05	0.52	160.14	279.59	0.27	250.00	0.013774	7.14
bald hill	2600	500-YR	740.00	595.45	595.45	596.10	4.69	3.79	0.07	0.65	338.30	400.17	1.53	250.00	0.015654	8.67
bald hill	2990	10-YR	190.00	593.10	596.07	596.32	1.71	1.67	0.04	0.25	0.00	190.00	0.00	190.00	0.004729	4.02
bald hill	2990	50-YR	350.00	596.68	596.68	597.19	1.91	1.91	0.00	0.50	0.15	350.00	0.00	190.00	0.007467	5.70
bald hill	2990	100-YR	440.00	593.10	596.90	597.58	2.05	2.01	0.05	0.67	0.15	438.85	0.00	190.00	0.006958	6.59
bald hill	2990	500-YR	740.00	595.10	597.56	598.77	2.66	2.50	0.17	1.21	7.80	731.83	0.37	190.00	0.012283	8.88
bald hill	3085	10-YR	190.00	594.00	596.55	597.10	0.78	0.69	0.09	0.55	0.00	190.00	0.00	95.00	0.012811	5.96
bald hill	3085	50-YR	350.00	594.00	597.36	598.24	1.05	0.94	0.11	0.87	0.14	349.86	0.14	95.00	0.013811	7.50
bald hill	3085	100-YR	440.00	594.00	597.70	598.76	1.18	1.07	0.12	1.07	0.06	430.11	0.84	95.00	0.014434	8.29
bald hill	3085	500-YR	740.00	594.00	598.64	600.23	1.46	1.28	0.11	1.59	6.50	724.78	8.72	95.00	0.014804	10.21
bald hill	3135	10-YR	190.00	594.50	597.24	597.62	0.52	0.51	0.02	0.38	0.00	190.00	0.00	50.00	0.005281	4.97
bald hill	3135	50-YR	350.00	594.50	598.20	598.75	0.52	0.48	0.03	0.55	1.25	348.09	0.66	50.00	0.007098	5.96
bald hill	3135	100-YR	440.00	594.50	598.65	599.28	0.52	0.47	0.04	0.63	3.58	434.52	1.90	50.00	0.006723	6.41
bald hill	3135	500-YR	740.00	594.50	599.96	600.74	0.50	0.42	0.08	0.77	34.94	684.30	10.76	50.00	0.005503	7.28
bald hill	3200	10-YR	190.00	594.70	597.77	597.94	0.32	0.30	0.02	0.17	0.00	190.00	0.00	65.00	0.002963	3.34
bald hill	3200	50-YR	350.00	594.70	598.80	599.07	0.32	0.29	0.03	0.27	0.08	349.80	0.12	65.00	0.003086	4.17
bald hill	3200	100-YR	440.00	594.70	599.28	599.59	0.31	0.28	0.03	0.31	2.02	436.42	1.56	65.00	0.002964	4.51
bald hill	3200	500-YR	740.00	594.70	600.61	601.01	0.28	0.24	0.04	0.40	25.45	695.86	18.70	65.00	0.002623	5.24
bald hill	3300	10-YR	190.00	595.00	598.07	598.31	0.37	0.35	0.02	0.24	0.00	190.00	0.00	100.00	0.004491	3.92
bald hill	3300	50-YR	350.00	595.00	599.11	599.45	0.36	0.35	0.02	0.34	0.18	349.56	0.26	100.00	0.004234	4.70
bald hill	3300	100-YR	440.00	595.00	599.56	599.96	0.37	0.34	0.02	0.39	1.34	436.01	2.65	100.00	0.004021	5.05
bald hill	3300	500-YR	740.00	595.00	600.85	601.34	0.33	0.30	0.03	0.48	14.49	694.14	31.37	100.00	0.003431	5.80

Plan: exmatchWSEL Trib 25 bald hill RS: 2220 Profile: 10-YR

E.G. Elev. (ft)	582.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.79	Wt. n-Val		0.040	
W.S. Elev (ft)	581.68	Reach Len. (ft)			
Crit W.S. (ft)	581.68	Flow Area (sq ft)		26.62	
E.G. Slope (ft/ft)	0.022266	Area (sq ft)		26.62	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	17.05	Top Width (ft)		17.05	
Vel Total (ft/s)	7.14	Avg Vel (ft/s)		7.14	
Max Chl Dpth (ft)	1.98	Hydr Depth (ft)		1.56	
Conv. Total (cfs)	1273.3	Conv. (cfs)		1273.3	
Length Wid. (ft)		Wetted Per. (ft)		16.22	
Min Ch El (ft)	579.70	Shear (lb/sq ft)		2.03	
Alpha	1.00	Stream Power (lb/ft s)		14.49	
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: exmatchWSEL Trib 25 bald hill RS: 2220 Profile: 50-YR

E.G. Elev. (ft)	583.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.07	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	582.53	Reach Len. (ft)			
Crit W.S. (ft)	582.53	Flow Area (sq ft)	2.25	41.80	0.49
E.G. Slope (ft/ft)	0.018004	Area (sq ft)	2.25	41.80	0.49
Q Total (cfs)	350.00	Flow (cfs)	1.85	347.75	0.39
Top Width (ft)	28.35	Top Width (ft)	8.49	18.00	1.86
Vel Total (ft/s)	7.86	Avg Vel (ft/s)	0.62	8.32	0.80
Max Chl Dpth (ft)	2.83	Hydr Depth (ft)	0.27	2.32	0.27
Conv. Total (cfs)	2608.4	Conv. (cfs)	13.8	2591.7	2.9
Length Wid. (ft)		Wetted Per. (ft)	8.50	19.38	1.93
Min Ch El (ft)	579.70	Shear (lb/sq ft)	0.30	2.42	0.29
Alpha	1.11	Stream Power (lb/ft s)	0.24	20.16	0.23
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: exmatchWSEL Trib 25 bald hill RS: 2220 Profile: 100-YR

E.G. Elev. (ft)	584.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.16	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	582.94	Reach Len. (ft)			
Crit W.S. (ft)	582.94	Flow Area (sq ft)	7.14	49.26	1.56
E.G. Slope (ft/ft)	0.015936	Area (sq ft)	7.14	49.26	1.56
Q Total (cfs)	440.00	Flow (cfs)	8.12	430.15	1.73
Top Width (ft)	36.43	Top Width (ft)	15.12	18.00	3.31
Vel Total (ft/s)	7.59	Avg Vel (ft/s)	1.14	8.73	1.11
Max Chl Dpth (ft)	3.24	Hydr Depth (ft)	0.47	2.74	0.47
Conv. Total (cfs)	3465.5	Conv. (cfs)	64.3	3407.5	13.7
Length Wid. (ft)		Wetted Per. (ft)	15.15	19.38	3.44
Min Ch El (ft)	579.70	Shear (lb/sq ft)	0.47	2.53	0.46
Alpha	1.29	Stream Power (lb/ft s)	0.53	22.08	0.50
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: exmatchWSEL Trib 25 bald hill RS: 2220 Profile: 500-YR

E.G. Elev. (ft)	585.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.28	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	584.09	Reach Len. (ft)			
Crit W.S. (ft)	584.09	Flow Area (sq ft)	36.20	69.91	8.49
E.G. Slope (ft/ft)	0.011940	Area (sq ft)	36.20	69.91	8.49
Q Total (cfs)	740.00	Flow (cfs)	59.70	667.38	12.92
Top Width (ft)	65.87	Top Width (ft)	35.29	18.00	12.58
Vel Total (ft/s)	6.46	Avg Vel (ft/s)	1.65	9.55	1.52
Max Chl Dpth (ft)	4.39	Hydr Depth (ft)	1.03	3.88	0.67
Conv. Total (cfs)	6772.2	Conv. (cfs)	546.3	6107.6	118.2
Length Wid. (ft)		Wetted Per. (ft)	35.35	19.38	12.95
Min Ch El (ft)	579.70	Shear (lb/sq ft)	0.76	2.69	0.49
Alpha	1.98	Stream Power (lb/ft s)	1.26	25.66	0.74
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

Plan: exmatchWSEL Trib 25 bald hill RS: 2300 Profile: 10-YR

E.G. Elev (ft)	583.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val		0.040	
W.S. Elev (ft)	583.31	Reach Len. (ft)	80.00	80.00	80.00
Crit W.S. (ft)		Flow Area (sq ft)		37.81	
E.G. Slope (ft/ft)	0.010700	Area (sq ft)		37.81	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	24.50	Top Width (ft)		24.50	
Vel Total (ft/s)	5.03	Avg Vel. (ft/s)		5.03	
Max Ch Dpth (ft)	2.01	Hydr. Depth (ft)		1.54	
Conv. Total (cfs)	1836.8	Conv. (cfs)		1836.8	
Length-Wtd. (ft)	80.00	Wated Par. (ft)		25.28	
Min Ch El. (ft)	581.30	Shear (lb/sq ft)		1.00	
Alpha	1.00	Stream Power (lb/ft s)		5.02	
Frcn Loss (ft)	1.19	Cum Volume (acre-ft)		0.06	
C & E Loss (ft)	0.04	Cum SA (acres)		0.04	

Plan: exmatchWSEL Trib 25 bald hill RS: 2300 Profile: 50-YR

E.G. Elev (ft)	584.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.56	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	584.11	Reach Len. (ft)	80.00	80.00	80.00
Crit W.S. (ft)		Flow Area (sq ft)	0.01	58.08	2.53
E.G. Slope (ft/ft)	0.009395	Area (sq ft)	0.01	58.08	2.53
Q Total (cfs)	350.00	Flow (cfs)	0.00	348.26	1.74
Top Width (ft)	33.85	Top Width (ft)	0.21	26.00	7.64
Vel Total (ft/s)	5.77	Avg Vel. (ft/s)	0.19	6.00	0.69
Max Ch Dpth (ft)	2.81	Hydr. Depth (ft)	0.05	2.23	0.33
Conv. Total (cfs)	3611.0	Conv. (cfs)	0.0	3593.0	18.0
Length-Wtd. (ft)	80.00	Wated Par. (ft)	0.24	27.02	7.67
Min Ch El. (ft)	581.30	Shear (lb/sq ft)	0.03	1.26	0.19
Alpha	1.07	Stream Power (lb/ft s)	0.01	7.56	0.13
Frcn Loss (ft)	1.01	Cum Volume (acre-ft)	0.00	0.09	0.00
C & E Loss (ft)	0.05	Cum SA (acres)	0.01	0.04	0.01

Plan: exmatchWSEL Trib 25 bald hill RS: 2300 Profile: 100-YR

E.G. Elev (ft)	585.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.64	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	584.45	Reach Len. (ft)	80.00	80.00	80.00
Crit W.S. (ft)		Flow Area (sq ft)	0.20	67.06	5.53
E.G. Slope (ft/ft)	0.009056	Area (sq ft)	0.20	67.06	5.53
Q Total (cfs)	440.00	Flow (cfs)	0.10	434.55	5.35
Top Width (ft)	36.62	Top Width (ft)	0.90	26.00	9.71
Vel Total (ft/s)	6.04	Avg Vel. (ft/s)	0.49	6.48	0.97
Max Ch Dpth (ft)	3.15	Hydr. Depth (ft)	0.23	2.58	0.57
Conv. Total (cfs)	4623.7	Conv. (cfs)	1.0	4566.4	56.2
Length-Wtd. (ft)	80.00	Wated Par. (ft)	1.01	27.02	9.77
Min Ch El. (ft)	581.30	Shear (lb/sq ft)	0.11	1.40	0.32
Alpha	1.14	Stream Power (lb/ft s)	0.06	9.09	0.31
Frcn Loss (ft)	0.94	Cum Volume (acre-ft)	0.01	0.11	0.01
C & E Loss (ft)	0.05	Cum SA (acres)	0.01	0.04	0.01

Plan: exmatchWSEL Trib 25 bald hill RS: 2300 Profile: 500-YR

E.G. Elev (ft)	586.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.96	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	585.29	Reach Len. (ft)	80.00	80.00	80.00
Crit W.S. (ft)	584.82	Flow Area (sq ft)	6.29	88.96	15.71
E.G. Slope (ft/ft)	0.009478	Area (sq ft)	6.29	88.96	15.71
Q Total (cfs)	740.00	Flow (cfs)	3.47	712.03	24.51
Top Width (ft)	66.36	Top Width (ft)	28.47	26.00	13.88
Vel Total (ft/s)	6.67	Avg Vel. (ft/s)	0.55	8.00	1.56
Max Ch Dpth (ft)	3.99	Hydr. Depth (ft)	0.24	3.42	1.13
Conv. Total (cfs)	7600.9	Conv. (cfs)	35.6	7313.5	251.7
Length-Wtd. (ft)	80.00	Wated Par. (ft)	26.72	27.02	14.03
Min Ch El. (ft)	581.30	Shear (lb/sq ft)	0.14	1.95	0.66
Alpha	1.39	Stream Power (lb/ft s)	0.08	15.59	1.03
Frcn Loss (ft)	0.85	Cum Volume (acre-ft)	0.04	0.15	0.02
C & E Loss (ft)	0.03	Cum SA (acres)	0.06	0.04	0.02

Plan: exmatchWSEL Trib 25 bald hill RS: 2400 Profile: 10-YR

E.G. Elev. (ft)	585.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt'n-Val		0.040	
W.S. Elev. (ft)	584.76	Reach Len. (ft)	100.00	100.00	100.00
Crit. W.S. (ft)	584.76	Flow Area (sq ft)		29.19	
E.G. Slope (ft/ft)	0.022819	Area (sq ft)		29.19	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	22.41	Top Width (ft)		22.41	
Vel Total (ft/s)	6.51	Avg. Vel. (ft/s)		6.51	
Max Chl Dpth (ft)	1.46	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	1257.8	Conv. (cfs)		1257.8	
Length Wid. (ft)	100.00	Wetted Per. (ft)		23.37	
Min Ch El (ft)	583.30	Shear (lb/sq ft)		1.78	
Alpha	1.00	Stream Power (lb/ft s)		11.58	
Frc'n Loss (ft)	1.51	Cum Volume (acre-ft)		0.14	
C & E Loss (ft)	0.08	Cum SA (acres)		0.09	

Plan: exmatchWSEL Trib 25 bald hill RS: 2400 Profile: 50-YR

E.G. Elev. (ft)	586.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.96	Wt'n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	585.43	Reach Len. (ft)	100.00	100.00	100.00
Crit. W.S. (ft)	585.43	Flow Area (sq ft)	0.18	44.44	0.28
E.G. Slope (ft/ft)	0.019865	Area (sq ft)	0.18	44.44	0.28
Q Total (cfs)	350.00	Flow (cfs)	0.13	349.67	0.20
Top Width (ft)	25.15	Top Width (ft)	0.86	23.00	1.29
Vel Total (ft/s)	7.79	Avg. Vel. (ft/s)	0.70	7.87	0.73
Max Chl Dpth (ft)	2.13	Hydr. Depth (ft)	0.22	1.93	0.22
Conv. Total (cfs)	2483.3	Conv. (cfs)	0.9	2480.9	1.4
Length Wid. (ft)	100.00	Wetted Per. (ft)	0.96	24.12	1.36
Min Ch El (ft)	583.30	Shear (lb/sq ft)	0.24	2.28	0.25
Alpha	1.02	Stream Power (lb/ft s)	0.17	17.98	0.18
Frc'n Loss (ft)	1.32	Cum Volume (acre-ft)	0.00	0.21	0.01
C & E Loss (ft)	0.12	Cum SA (acres)	0.01	0.10	0.02

Plan: exmatchWSEL Trib 25 bald hill RS: 2400 Profile: 100-YR

E.G. Elev. (ft)	586.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.11	Wt'n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	585.75	Reach Len. (ft)	100.00	100.00	100.00
Crit. W.S. (ft)	585.75	Flow Area (sq ft)	0.57	51.84	0.85
E.G. Slope (ft/ft)	0.018705	Area (sq ft)	0.57	51.84	0.85
Q Total (cfs)	440.00	Flow (cfs)	0.56	438.58	0.87
Top Width (ft)	26.76	Top Width (ft)	1.50	23.00	2.25
Vel Total (ft/s)	8.26	Avg. Vel. (ft/s)	0.98	8.48	1.02
Max Chl Dpth (ft)	2.45	Hydr. Depth (ft)	0.98	2.25	0.38
Conv. Total (cfs)	3217.2	Conv. (cfs)	4.1	3206.8	6.3
Length Wid. (ft)	100.00	Wetted Per. (ft)	1.68	24.12	2.38
Min Ch El (ft)	583.30	Shear (lb/sq ft)	0.39	2.51	0.42
Alpha	1.05	Stream Power (lb/ft s)	0.39	21.23	0.43
Frc'n Loss (ft)	1.28	Cum Volume (acre-ft)	0.01	0.24	0.01
C & E Loss (ft)	0.14	Cum SA (acres)	0.02	0.10	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 2400 Profile: 500-YR

E.G. Elev. (ft)	588.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.49	Wt'n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	586.70	Reach Len. (ft)	100.00	100.00	100.00
Crit. W.S. (ft)	586.70	Flow Area (sq ft)	3.02	73.67	4.58
E.G. Slope (ft/ft)	0.015983	Area (sq ft)	3.02	73.67	4.58
Q Total (cfs)	740.00	Flow (cfs)	4.60	726.24	7.16
Top Width (ft)	32.56	Top Width (ft)	3.75	23.00	5.80
Vel Total (ft/s)	9.11	Avg. Vel. (ft/s)	1.52	9.89	1.56
Max Chl Dpth (ft)	3.40	Hydr. Depth (ft)	0.80	3.20	0.79
Conv. Total (cfs)	5853.3	Conv. (cfs)	36.4	5760.3	56.6
Length Wid. (ft)	100.00	Wetted Per. (ft)	4.12	24.12	6.05
Min Ch El (ft)	583.30	Shear (lb/sq ft)	0.73	3.05	0.76
Alpha	1.16	Stream Power (lb/ft s)	1.11	30.12	1.18
Frc'n Loss (ft)	1.21	Cum Volume (acre-ft)	0.05	0.33	0.05
C & E Loss (ft)	0.16	Cum SA (acres)	0.09	0.10	0.05

Plan: exmatchWSEL Trib 25 bald hill RS: 2550 Profile: 10-YR

E.G. Elev (ft)	588.84	Element	Left CB	Channel	Right CB
Vel Head (ft)	0.64	Wt. n-Val		0.040	
W.S. Elev (ft)	588.20	Reach Len. (ft)	150.00	150.00	150.00
Crit W.S. (ft)	588.20	Flow Area (sq ft)		29.49	
E.G. Slope (ft/ft)	0.022567	Area (sq ft)		29.49	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	23.26	Top Width (ft)		23.26	
Vel Total (ft/s)	6.44	Avg Vel. (ft/s)		6.44	
Max Chl Dpth (ft)	1.90	Hydr. Depth (ft)		1.27	
Conv. Total (cfs)	1264.8	Conv. (cfs)		1264.8	
Length Wid. (ft)	150.00	Wetted Per. (ft)		23.78	
Min Ch El (ft)	586.30	Shear (lb/sq ft)		1.75	
Alpha	1.00	Stream Power (lb/ft s)		11.26	
Frctn Loss (ft)	3.40	Cum Volume (acre-ft)		0.24	
C & E Loss (ft)	0.00	Cum SA (acres)		0.17	

Plan: exmatchWSEL Trib 25 bald hill RS: 2550 Profile: 50-YR

E.G. Elev (ft)	589.76	Element	Left CB	Channel	Right CB
Vel Head (ft)	0.89	Wt. n-Val		0.040	
W.S. Elev (ft)	588.87	Reach Len. (ft)	150.00	150.00	150.00
Crit W.S. (ft)	588.87	Flow Area (sq ft)		46.29	
E.G. Slope (ft/ft)	0.020402	Area (sq ft)		46.29	
Q Total (cfs)	350.00	Flow (cfs)		350.00	
Top Width (ft)	26.41	Top Width (ft)		26.41	
Vel Total (ft/s)	7.56	Avg Vel. (ft/s)		7.56	
Max Chl Dpth (ft)	2.57	Hydr. Depth (ft)		1.75	
Conv. Total (cfs)	2450.3	Conv. (cfs)		2450.3	
Length Wid. (ft)	150.00	Wetted Per. (ft)		27.22	
Min Ch El (ft)	586.30	Shear (lb/sq ft)		2.17	
Alpha	1.00	Stream Power (lb/ft s)		16.38	
Frctn Loss (ft)	3.02	Cum Volume (acre-ft)	0.00	0.37	0.01
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	0.18	0.02

Plan: exmatchWSEL Trib 25 bald hill RS: 2550 Profile: 100-YR

E.G. Elev (ft)	590.19	Element	Left CB	Channel	Right CB
Vel Head (ft)	1.02	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	589.17	Reach Len. (ft)	150.00	150.00	150.00
Crit W.S. (ft)	589.17	Flow Area (sq ft)	0.10	54.25	0.01
E.G. Slope (ft/ft)	0.019601	Area (sq ft)	0.10	54.25	0.01
Q Total (cfs)	440.00	Flow (cfs)	0.04	439.95	0.00
Top Width (ft)	28.36	Top Width (ft)	1.19	27.00	0.17
Vel Total (ft/s)	8.09	Avg Vel. (ft/s)	0.40	8.11	0.32
Max Chl Dpth (ft)	2.87	Hydr. Depth (ft)	0.09	2.01	0.09
Conv. Total (cfs)	3142.8	Conv. (cfs)	0.3	3142.5	0.0
Length Wid. (ft)	150.00	Wetted Per. (ft)	1.20	27.86	0.24
Min Ch El (ft)	586.30	Shear (lb/sq ft)	0.10	2.38	0.07
Alpha	1.00	Stream Power (lb/ft s)	0.04	19.33	0.02
Frctn Loss (ft)	2.87	Cum Volume (acre-ft)	0.01	0.43	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	0.18	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 2550 Profile: 500-YR

E.G. Elev (ft)	591.42	Element	Left CB	Channel	Right CB
Vel Head (ft)	1.36	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	590.06	Reach Len. (ft)	150.00	150.00	150.00
Crit W.S. (ft)	590.06	Flow Area (sq ft)	3.91	78.22	0.56
E.G. Slope (ft/ft)	0.016132	Area (sq ft)	3.91	78.22	0.56
Q Total (cfs)	740.00	Flow (cfs)	4.89	734.57	0.54
Top Width (ft)	35.29	Top Width (ft)	7.17	27.00	1.12
Vel Total (ft/s)	8.95	Avg Vel. (ft/s)	1.25	9.39	0.96
Max Chl Dpth (ft)	3.76	Hydr. Depth (ft)	0.55	2.90	0.50
Conv. Total (cfs)	5826.3	Conv. (cfs)	38.5	5783.5	4.3
Length Wid. (ft)	150.00	Wetted Per. (ft)	7.25	27.86	1.54
Min Ch El (ft)	586.30	Shear (lb/sq ft)	0.54	2.83	0.37
Alpha	1.09	Stream Power (lb/ft s)	0.68	26.56	0.35
Frctn Loss (ft)	2.41	Cum Volume (acre-ft)	0.06	0.59	0.05
C & E Loss (ft)	0.01	Cum SA (acres)	0.11	0.18	0.06

Plan: exmatchWSEL Trib 25 bald hill RS: 2800 Profile: 10-YR

E.G. Elev. (ft)	594.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	WLn-Val	0.100	0.040	
W.S. Elev (ft)	593.95	Reach Len. (ft)	200.00	250.00	250.00
Crit W.S. (ft)	593.95	Flow Area (sq ft)	19.60	22.18	
E.G. Slope (ft/ft)	0.022744	Area (sq ft)	19.60	22.18	
Q Total (cfs)	190.00	Flow (cfs)	31.81	158.19	
Top Width (ft)	45.95	Top Width (ft)	31.69	14.26	
Vel Total (ft/s)	4.55	Avg Vel. (ft/s)	1.62	7.13	
Max Chl Dpth (ft)	2.75	Hydr Depth (ft)	0.62	1.55	
Conv. Total (cfs)	1259.8	Conv. (cfs)	210.9	1048.9	
Length Wid. (ft)	245.81	Wetted Per. (ft)	31.82	15.44	
Min Ch El (ft)	591.20	Shear (lb/sq ft)	0.87	2.04	
Alpha	2.07	Stream Power (lb/ft s)	1.42	14.55	
Frcin Loss (ft)	5.57	Cum Volume (acre-ft)	0.05	0.99	
C & E Loss (ft)	0.01	Cum SA (acres)	0.07	0.28	

Plan: exmatchWSEL Trib 25 bald hill RS: 2800 Profile: 50-YR

E.G. Elev. (ft)	595.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	WLn-Val	0.100	0.040	0.100
W.S. Elev (ft)	594.73	Reach Len. (ft)	200.00	250.00	250.00
Crit W.S. (ft)	594.73	Flow Area (sq ft)	70.96	34.40	0.08
E.G. Slope (ft/ft)	0.015534	Area (sq ft)	70.96	34.40	0.08
Q Total (cfs)	350.00	Flow (cfs)	106.74	243.23	0.03
Top Width (ft)	114.07	Top Width (ft)	96.70	16.67	0.70
Vel Total (ft/s)	3.32	Avg Vel. (ft/s)	1.50	7.07	0.42
Max Chl Dpth (ft)	3.53	Hydr Depth (ft)	0.73	2.06	0.11
Conv. Total (cfs)	2808.2	Conv. (cfs)	856.4	1951.5	0.3
Length Wid. (ft)	242.38	Wetted Per. (ft)	96.93	18.23	0.73
Min Ch El (ft)	591.20	Shear (lb/sq ft)	0.71	1.83	0.10
Alpha	3.22	Stream Power (lb/ft s)	1.07	12.94	0.04
Frcin Loss (ft)	4.29	Cum Volume (acre-ft)	0.17	0.60	0.01
C & E Loss (ft)	0.03	Cum SA (acres)	0.23	0.81	0.02

Plan: exmatchWSEL Trib 25 bald hill RS: 2800 Profile: 100-YR

E.G. Elev. (ft)	595.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.52	WLn-Val	0.100	0.040	0.100
W.S. Elev (ft)	595.01	Reach Len. (ft)	200.00	250.00	250.00
Crit W.S. (ft)	595.01	Flow Area (sq ft)	100.93	39.14	0.40
E.G. Slope (ft/ft)	0.013774	Area (sq ft)	100.93	39.14	0.40
Q Total (cfs)	440.00	Flow (cfs)	160.14	279.59	0.27
Top Width (ft)	134.59	Top Width (ft)	116.02	17.00	1.56
Vel Total (ft/s)	3.13	Avg Vel. (ft/s)	1.59	7.14	0.68
Max Chl Dpth (ft)	3.81	Hydr Depth (ft)	0.87	2.30	0.25
Conv. Total (cfs)	3749.1	Conv. (cfs)	1364.5	2382.3	2.3
Length Wid. (ft)	240.90	Wetted Per. (ft)	116.29	18.66	1.64
Min Ch El (ft)	591.20	Shear (lb/sq ft)	0.75	1.80	0.21
Alpha	3.40	Stream Power (lb/ft s)	1.18	12.89	0.14
Frcin Loss (ft)	3.93	Cum Volume (acre-ft)	0.24	0.69	0.02
C & E Loss (ft)	0.05	Cum SA (acres)	0.29	0.31	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 2800 Profile: 500-YR

E.G. Elev. (ft)	598.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.65	WLn-Val	0.100	0.040	0.100
W.S. Elev (ft)	595.45	Reach Len. (ft)	200.00	250.00	250.00
Crit W.S. (ft)	595.45	Flow Area (sq ft)	152.86	46.70	1.40
E.G. Slope (ft/ft)	0.015654	Area (sq ft)	152.86	46.70	1.40
Q Total (cfs)	740.00	Flow (cfs)	338.30	400.17	1.53
Top Width (ft)	137.29	Top Width (ft)	117.36	17.00	2.93
Vel Total (ft/s)	3.68	Avg Vel. (ft/s)	2.21	8.57	1.10
Max Chl Dpth (ft)	4.25	Hydr Depth (ft)	1.30	2.75	0.48
Conv. Total (cfs)	5914.5	Conv. (cfs)	2703.9	3198.4	12.3
Length Wid. (ft)	238.41	Wetted Per. (ft)	117.70	18.66	3.08
Min Ch El (ft)	591.20	Shear (lb/sq ft)	1.27	2.45	0.44
Alpha	3.09	Stream Power (lb/ft s)	2.81	20.96	0.49
Frcin Loss (ft)	3.79	Cum Volume (acre-ft)	0.42	0.95	0.06
C & E Loss (ft)	0.07	Cum SA (acres)	0.40	0.31	0.07

Plan: exmatchWSEL Trib 25 bald hill RS: 2990 Profile: 10-YR

E.G. Elev. (ft)	596.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val		0.040	
W.S. Elev. (ft)	596.07	Reach Len. (ft)	150.00	190.00	190.00
Chl W.S. (ft)		Flow Area (sq ft)		47.24	
E.G. Slope (ft/ft)	0.004729	Area (sq ft)		47.24	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	22.39	Top Width (ft)		22.39	
Vel Total (ft/s)	4.02	Avg. Vel. (ft/s)		4.02	
Max Chl Dpth (ft)	2.97	Hydr. Depth (ft)		2.11	
Conv. Total (cfs)	2763.0	Conv. (cfs)		2763.0	
Length Wid. (ft)	186.65	Wetted Per. (ft)		23.91	
Min Ch El. (ft)	593.10	Shear (lb/sq ft)		0.58	
Alpha	1.00	Stream Power (lb/ft s)		2.35	
Frctn Loss (ft)	1.67	Cum Volume (acre-ft)	0.08	0.54	
C & E Loss (ft)	0.04	Cum SA (acres)	0.13	0.36	

Plan: exmatchWSEL Trib 25 bald hill RS: 2990 Profile: 50-YR

E.G. Elev. (ft)	597.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.50	Wt. n-Val		0.040	
W.S. Elev. (ft)	596.68	Reach Len. (ft)	150.00	190.00	190.00
Chl W.S. (ft)		Flow Area (sq ft)		61.42	
E.G. Slope (ft/ft)	0.007407	Area (sq ft)		61.42	
Q Total (cfs)	350.00	Flow (cfs)		350.00	
Top Width (ft)	23.85	Top Width (ft)		23.85	
Vel Total (ft/s)	5.70	Avg. Vel. (ft/s)		5.70	
Max Chl Dpth (ft)	3.58	Hydr. Depth (ft)		2.58	
Conv. Total (cfs)	4066.6	Conv. (cfs)		4066.6	
Length Wid. (ft)	183.90	Wetted Per. (ft)		25.82	
Min Ch El. (ft)	593.10	Shear (lb/sq ft)		1.10	
Alpha	1.00	Stream Power (lb/ft s)		6.27	
Frctn Loss (ft)	1.91	Cum Volume (acre-ft)	0.29	0.81	0.01
C & E Loss (ft)	0.00	Cum SA (acres)	0.40	0.39	0.02

Plan: exmatchWSEL Trib 25 bald hill RS: 2990 Profile: 100-YR

E.G. Elev. (ft)	597.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.67	Wt. n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	596.90	Reach Len. (ft)	150.00	190.00	190.00
Chl W.S. (ft)		Flow Area (sq ft)	0.49	66.75	0.01
E.G. Slope (ft/ft)	0.008958	Area (sq ft)	0.49	66.75	0.01
Q Total (cfs)	440.00	Flow (cfs)	0.15	439.85	0.00
Top Width (ft)	28.94	Top Width (ft)	4.77	24.00	0.17
Vel Total (ft/s)	6.54	Avg. Vel. (ft/s)	0.31	6.59	0.18
Max Chl Dpth (ft)	3.80	Hydr. Depth (ft)	0.10	2.78	0.05
Conv. Total (cfs)	4648.8	Conv. (cfs)	1.6	4647.2	0.0
Length Wid. (ft)	182.71	Wetted Per. (ft)	4.77	26.02	0.20
Min Ch El. (ft)	593.10	Shear (lb/sq ft)	0.06	1.43	0.02
Alpha	1.01	Stream Power (lb/ft s)	0.02	9.45	0.00
Frctn Loss (ft)	2.01	Cum Volume (acre-ft)	0.42	0.92	0.02
C & E Loss (ft)	0.05	Cum SA (acres)	0.50	0.40	0.04

Plan: exmatchWSEL Trib 25 bald hill RS: 2990 Profile: 500-YR

E.G. Elev. (ft)	598.77	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.21	Wt. n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	597.56	Reach Len. (ft)	150.00	190.00	190.00
Chl W.S. (ft)	597.27	Flow Area (sq ft)	8.20	82.41	0.48
E.G. Slope (ft/ft)	0.012283	Area (sq ft)	8.20	82.41	0.48
Q Total (cfs)	740.00	Flow (cfs)	7.80	731.83	0.37
Top Width (ft)	43.95	Top Width (ft)	18.69	24.00	1.26
Vel Total (ft/s)	8.12	Avg. Vel. (ft/s)	0.95	8.88	0.78
Max Chl Dpth (ft)	4.46	Hydr. Depth (ft)	0.44	3.43	0.38
Conv. Total (cfs)	6676.9	Conv. (cfs)	70.3	6603.2	3.3
Length Wid. (ft)	180.65	Wetted Per. (ft)	18.71	26.02	1.47
Min Ch El. (ft)	593.10	Shear (lb/sq ft)	0.34	2.43	0.25
Alpha	1.18	Stream Power (lb/ft s)	0.32	21.57	0.19
Frctn Loss (ft)	2.50	Cum Volume (acre-ft)	0.70	1.23	0.06
C & E Loss (ft)	0.17	Cum SA (acres)	0.63	0.40	0.08

Plan: exmatchWSEL Trib 25 bald hill RS: 3085 Profile: 10-YR

E.G. Elev. (ft)	597.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val		0.040	
W.S. Elev. (ft)	596.55	Reach Len. (ft)	95.00	95.00	95.00
Chl W.S. (ft)		Flow Area (sq ft)		31.90	
E.G. Slope (ft/ft)	0.012811	Area (sq ft)		31.90	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	17.28	Top Width (ft)		17.28	
Vel Total (ft/s)	5.96	Avg Vel (ft/s)		5.96	
Max Chl Dpth (ft)	2.55	Hydr. Depth (ft)		1.85	
Conv. Total (cfs)	1691.9	Conv. (cfs)		1691.9	
Length Wtd. (ft)	95.00	Wetted Per. (ft)		18.70	
Min Ch El (ft)	594.00	Shear (lb/sq ft)		1.34	
Alpha	1.00	Stream Power (lb/ft.s)		8.00	
Frcn Loss (ft)	0.69	Cum Volume (acre-ft)	0.08	0.62	
C & E Loss (ft)	0.09	Cum SA (acres)	0.13	0.40	

Plan: exmatchWSEL Trib 25 bald hill RS: 3085 Profile: 50-YR

E.G. Elev. (ft)	598.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.87	Wt. n-Val		0.040	0.100
W.S. Elev. (ft)	597.36	Reach Len. (ft)	95.00	95.00	95.00
Chl W.S. (ft)	597.06	Flow Area (sq ft)		46.62	0.26
E.G. Slope (ft/ft)	0.013811	Area (sq ft)		46.62	0.26
Q Total (cfs)	350.00	Flow (cfs)		349.86	0.14
Top Width (ft)	20.26	Top Width (ft)		18.81	1.44
Vel Total (ft/s)	7.47	Avg Vel (ft/s)		7.50	0.55
Max Chl Dpth (ft)	3.36	Hydr. Depth (ft)		2.48	0.18
Conv. Total (cfs)	2978.3	Conv. (cfs)		2977.0	1.2
Length Wtd. (ft)	95.00	Wetted Per. (ft)		20.68	1.49
Min Ch El (ft)	594.00	Shear (lb/sq ft)		1.94	0.15
Alpha	1.01	Stream Power (lb/ft.s)		14.58	0.08
Frcn Loss (ft)	0.94	Cum Volume (acre-ft)	0.29	0.92	0.01
C & E Loss (ft)	0.11	Cum SA (acres)	0.40	0.44	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 3085 Profile: 100-YR

E.G. Elev. (ft)	598.76	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.07	Wt. n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	597.70	Reach Len. (ft)	95.00	95.00	95.00
Chl W.S. (ft)	597.45	Flow Area (sq ft)	0.15	52.96	0.97
E.G. Slope (ft/ft)	0.014434	Area (sq ft)	0.15	52.96	0.97
Q Total (cfs)	440.00	Flow (cfs)	0.06	439.11	0.84
Top Width (ft)	23.34	Top Width (ft)	1.56	19.00	2.78
Vel Total (ft/s)	8.14	Avg Vel (ft/s)	0.38	8.29	0.86
Max Chl Dpth (ft)	3.70	Hydr. Depth (ft)	0.10	2.79	0.35
Conv. Total (cfs)	3662.4	Conv. (cfs)	0.5	3654.9	7.0
Length Wtd. (ft)	95.00	Wetted Per. (ft)	1.57	20.92	2.87
Min Ch El (ft)	594.00	Shear (lb/sq ft)	0.09	2.28	0.30
Alpha	1.04	Stream Power (lb/ft.s)	0.03	18.92	0.26
Frcn Loss (ft)	1.07	Cum Volume (acre-ft)	0.42	1.06	0.02
C & E Loss (ft)	0.12	Cum SA (acres)	0.51	0.45	0.04

Plan: exmatchWSEL Trib 25 bald hill RS: 3085 Profile: 500-YR

E.G. Elev. (ft)	600.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.59	Wt. n-Val	0.100	0.040	0.100
W.S. Elev. (ft)	598.64	Reach Len. (ft)	95.00	95.00	95.00
Chl W.S. (ft)	598.64	Flow Area (sq ft)	5.24	71.00	6.45
E.G. Slope (ft/ft)	0.014804	Area (sq ft)	5.24	71.00	6.45
Q Total (cfs)	740.00	Flow (cfs)	6.50	724.78	8.72
Top Width (ft)	37.96	Top Width (ft)	9.16	19.00	9.80
Vel Total (ft/s)	8.95	Avg Vel (ft/s)	1.24	10.21	1.35
Max Chl Dpth (ft)	4.64	Hydr. Depth (ft)	0.57	3.74	0.66
Conv. Total (cfs)	5081.9	Conv. (cfs)	53.4	5956.8	71.7
Length Wtd. (ft)	95.00	Wetted Per. (ft)	9.23	20.92	9.96
Min Ch El (ft)	594.00	Shear (lb/sq ft)	0.52	3.14	0.60
Alpha	1.27	Stream Power (lb/ft.s)	0.65	32.03	0.81
Frcn Loss (ft)	1.28	Cum Volume (acre-ft)	0.71	1.40	0.07
C & E Loss (ft)	0.11	Cum SA (acres)	0.66	0.45	0.09

Plan: exmatchWSEL Trib 25 bald hill RS: 3135 Profile: 10-YR

E.G. Elev (ft)	597.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	W/Ln-Val		0.040	
W.S. Elev (ft)	597.24	Reach Len. (ft)	50.00	50.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)		38.26	
E.G. Slope (ft/ft)	0.008281	Area (sq ft)		38.26	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	20.38	Top Width (ft)		20.38	
Vel Total (ft/s)	4.97	Avg Vel (ft/s)		4.97	
Max Ch Dpth (ft)	2.74	Hydr Depth (ft)		1.88	
Conv. Total (cfs)	2088.0	Conv. (cfs)		2088.0	
Length Wid. (ft)	50.00	Wetted Per. (ft)		21.48	
Min Ch El (ft)	594.50	Shear (lb/sq ft)		0.92	
Alpha	1.00	Stream Power (lb/ft s)		4.57	
Frotn Loss (ft)	0.51	Cum Volume (acre-ft)	0.08	0.66	
C & E Loss (ft)	0.02	Cum SA (acres)	0.13	0.42	

Plan: exmatchWSEL Trib 25 bald hill RS: 3135 Profile: 50-YR

E.G. Elev (ft)	598.75	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	W/Ln-Val	0.100	0.040	0.100
W.S. Elev (ft)	598.20	Reach Len. (ft)	50.00	50.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)	1.88	58.36	0.95
E.G. Slope (ft/ft)	0.007098	Area (sq ft)	1.88	58.36	0.95
Q Total (cfs)	350.00	Flow (cfs)	1.25	348.08	0.66
Top Width (ft)	27.92	Top Width (ft)	4.80	21.00	2.12
Vel Total (ft/s)	5.72	Avg Vel (ft/s)	0.67	5.96	0.70
Max Ch Dpth (ft)	3.70	Hydr Depth (ft)	0.39	2.78	0.45
Conv. Total (cfs)	4154.2	Conv. (cfs)	14.9	4131.4	7.9
Length Wid. (ft)	50.00	Wetted Per. (ft)	4.86	22.19	2.30
Min Ch El (ft)	594.50	Shear (lb/sq ft)	0.17	1.17	0.18
Alpha	1.08	Stream Power (lb/ft s)	0.11	6.95	0.13
Frotn Loss (ft)	0.48	Cum Volume (acre-ft)	0.29	0.98	0.01
C & E Loss (ft)	0.03	Cum SA (acres)	0.40	0.46	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 3135 Profile: 100-YR

E.G. Elev (ft)	599.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.63	W/Ln-Val	0.100	0.040	0.100
W.S. Elev (ft)	598.65	Reach Len. (ft)	50.00	50.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)	4.61	67.77	2.14
E.G. Slope (ft/ft)	0.006723	Area (sq ft)	4.61	67.77	2.14
Q Total (cfs)	440.00	Flow (cfs)	3.58	434.52	1.90
Top Width (ft)	33.14	Top Width (ft)	8.97	21.00	3.17
Vel Total (ft/s)	5.90	Avg Vel (ft/s)	0.78	6.41	0.89
Max Ch Dpth (ft)	4.15	Hydr Depth (ft)	0.51	3.23	0.67
Conv. Total (cfs)	5366.3	Conv. (cfs)	43.7	5299.5	23.1
Length Wid. (ft)	50.00	Wetted Per. (ft)	9.07	22.19	3.45
Min Ch El (ft)	594.50	Shear (lb/sq ft)	0.21	1.28	0.26
Alpha	1.16	Stream Power (lb/ft s)	0.17	8.22	0.23
Frotn Loss (ft)	0.47	Cum Volume (acre-ft)	0.42	1.12	0.02
C & E Loss (ft)	0.04	Cum SA (acres)	0.51	0.47	0.05

Plan: exmatchWSEL Trib 25 bald hill RS: 3135 Profile: 500-YR

E.G. Elev (ft)	600.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.77	W/Ln-Val	0.100	0.040	0.100
W.S. Elev (ft)	599.96	Reach Len. (ft)	50.00	50.00	50.00
Crit W.S. (ft)		Flow Area (sq ft)	30.84	95.33	9.55
E.G. Slope (ft/ft)	0.005503	Area (sq ft)	30.84	95.33	9.55
Q Total (cfs)	740.00	Flow (cfs)	34.94	694.30	10.76
Top Width (ft)	59.26	Top Width (ft)	29.45	21.00	8.80
Vel Total (ft/s)	5.45	Avg Vel (ft/s)	1.13	7.28	1.13
Max Ch Dpth (ft)	5.46	Hydr Depth (ft)	1.05	4.54	1.08
Conv. Total (cfs)	9975.6	Conv. (cfs)	471.0	9359.5	145.1
Length Wid. (ft)	50.00	Wetted Per. (ft)	29.59	22.19	9.25
Min Ch El (ft)	594.50	Shear (lb/sq ft)	0.36	1.48	0.35
Alpha	1.88	Stream Power (lb/ft s)	0.41	10.75	0.40
Frotn Loss (ft)	0.42	Cum Volume (acre-ft)	0.73	1.50	0.08
C & E Loss (ft)	0.08	Cum SA (acres)	0.68	0.47	0.10

Plan: exmatchWSEL Trib 25 bald hill RS: 3200 Profile: 10-YR

E.G. Elev (ft)	597.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val		0.040	
W.S. Elev (ft)	597.77	Reach Len. (ft)	65.00	65.00	65.00
Crit W.S. (ft)		Flow Area (sq ft)		56.93	
E.G. Slope (ft/ft)	0.002863	Area (sq ft)		56.93	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	24.61	Top Width (ft)		24.61	
Vel Total (ft/s)	3.34	Avg. Vel. (ft/s)		3.34	
Max Chl Dpth (ft)	3.07	Hydr. Depth (ft)		2.31	
Conv. Total (cfs)	3550.9	Conv. (cfs)		3550.9	
Length Wid. (ft)	65.00	Wetted Per. (ft)		26.16	
Min Ch El (ft)	594.70	Shear (lb/sq ft)		0.99	
Alpha	1.00	Stream Power (lb/ft s)		1.30	
Frc'n Loss (ft)	0.80	Cum Volume (acre-ft)	0.08	0.73	
C & E Loss (ft)	0.02	Cum SA (acres)	0.13	0.46	

Plan: exmatchWSEL Trib 25 bald hill RS: 3200 Profile: 50-YR

E.G. Elev (ft)	599.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	598.80	Reach Len. (ft)	65.00	65.00	65.00
Crit W.S. (ft)		Flow Area (sq ft)	0.44	83.85	0.53
E.G. Slope (ft/ft)	0.003066	Area (sq ft)	0.44	83.85	0.53
Q Total (cfs)	350.00	Flow (cfs)	0.08	349.80	0.12
Top Width (ft)	35.03	Top Width (ft)	4.46	27.00	3.58
Vel Total (ft/s)	4.13	Avg. Vel. (ft/s)	0.18	4.17	0.23
Max Chl Dpth (ft)	4.10	Hydr. Depth (ft)	0.10	3.11	0.15
Conv. Total (cfs)	6321.3	Conv. (cfs)	1.4	6317.7	2.2
Length Wid. (ft)	65.00	Wetted Per. (ft)	4.46	29.03	3.59
Min Ch El (ft)	594.70	Shear (lb/sq ft)	0.02	0.55	0.03
Alpha	1.02	Stream Power (lb/ft s)	0.00	2.91	0.01
Frc'n Loss (ft)	0.29	Cum Volume (acre-ft)	0.29	1.09	0.01
C & E Loss (ft)	0.03	Cum SA (acres)	0.41	0.50	0.03

Plan: exmatchWSEL Trib 25 bald hill RS: 3200 Profile: 100-YR

E.G. Elev (ft)	599.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	599.28	Reach Len. (ft)	65.00	65.00	65.00
Crit W.S. (ft)		Flow Area (sq ft)	4.73	96.73	3.49
E.G. Slope (ft/ft)	0.002964	Area (sq ft)	4.73	96.73	3.49
Q Total (cfs)	440.00	Flow (cfs)	2.02	436.42	1.56
Top Width (ft)	47.78	Top Width (ft)	12.30	27.00	8.48
Vel Total (ft/s)	4.19	Avg. Vel. (ft/s)	0.43	4.51	0.45
Max Chl Dpth (ft)	4.58	Hydr. Depth (ft)	0.38	3.58	0.41
Conv. Total (cfs)	8081.9	Conv. (cfs)	37.1	8016.1	28.6
Length Wid. (ft)	65.00	Wetted Per. (ft)	12.32	29.03	8.51
Min Ch El (ft)	594.70	Shear (lb/sq ft)	0.07	0.62	0.08
Alpha	1.15	Stream Power (lb/ft s)	0.03	2.78	0.03
Frc'n Loss (ft)	0.28	Cum Volume (acre-ft)	0.43	1.25	0.02
C & E Loss (ft)	0.03	Cum SA (acres)	0.53	0.50	0.05

Plan: exmatchWSEL Trib 25 bald hill RS: 3200 Profile: 500-YR

E.G. Elev (ft)	601.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	600.61	Reach Len. (ft)	65.00	65.00	65.00
Crit W.S. (ft)		Flow Area (sq ft)	33.11	132.74	22.62
E.G. Slope (ft/ft)	0.002623	Area (sq ft)	33.11	132.74	22.62
Q Total (cfs)	740.00	Flow (cfs)	25.45	695.86	18.70
Top Width (ft)	79.44	Top Width (ft)	32.57	27.00	19.87
Vel Total (ft/s)	3.93	Avg. Vel. (ft/s)	0.77	5.24	0.83
Max Chl Dpth (ft)	5.91	Hydr. Depth (ft)	1.02	4.92	1.14
Conv. Total (cfs)	14447.9	Conv. (cfs)	496.8	13586.0	365.0
Length Wid. (ft)	65.00	Wetted Per. (ft)	32.64	29.03	19.99
Min Ch El (ft)	594.70	Shear (lb/sq ft)	0.17	0.75	0.19
Alpha	1.68	Stream Power (lb/ft s)	0.13	3.93	0.15
Frc'n Loss (ft)	0.24	Cum Volume (acre-ft)	0.78	1.67	0.10
C & E Loss (ft)	0.04	Cum SA (acres)	0.73	0.50	0.12

Plan: exmatchWSEL Trib 25 bald hill RS: 3300 Profile: 10-YR

E.G. Elev (ft)	598.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val		0.040	
W.S. Elev (ft)	598.07	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)		Flow Area (sq ft)		48.51	
E.G. Slope (ft/ft)	0.004491	Area (sq ft)		48.51	
Q Total (cfs)	190.00	Flow (cfs)		190.00	
Top Width (ft)	23.41	Top Width (ft)		23.41	
Vel Total (ft/s)	3.92	Avg Vel (ft/s)		3.92	
Max Chl Dpth (ft)	3.07	Hydr. Depth (ft)		2.07	
Conv. Total (cfs)	2835.3	Conv. (cfs)		2835.3	
Length Wtd. (ft)	100.00	Wetted Per. (ft)		24.58	
Min Ch El (ft)	595.00	Shear (lb/sq ft)		0.55	
Alpha	1.00	Stream Power (lb/ft s)		2.17	
Frctn Loss (ft)	0.35	Cum Volume (acre-ft)	0.08	0.86	
C & E Loss (ft)	0.02	Cum SA (acres)	0.13	0.51	

Plan: exmatchWSEL Trib 25 bald hill RS: 3300 Profile: 50-YR

E.G. Elev (ft)	599.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	599.11	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)		Flow Area (sq ft)	0.55	74.45	0.91
E.G. Slope (ft/ft)	0.004234	Area (sq ft)	0.55	74.45	0.91
Q Total (cfs)	350.00	Flow (cfs)	0.18	349.56	0.26
Top Width (ft)	34.43	Top Width (ft)	2.74	26.00	5.89
Vel Total (ft/s)	4.61	Avg Vel (ft/s)	0.33	4.70	0.29
Max Chl Dpth (ft)	4.11	Hydr. Depth (ft)	0.20	2.86	0.16
Conv. Total (cfs)	5378.7	Conv. (cfs)	2.8	5371.9	4.0
Length Wtd. (ft)	100.00	Wetted Per. (ft)	2.77	27.50	5.70
Min Ch El (ft)	595.00	Shear (lb/sq ft)	0.05	0.72	0.04
Alpha	1.04	Stream Power (lb/ft s)	0.02	3.36	0.01
Frctn Loss (ft)	0.36	Cum Volume (acre-ft)	0.29	1.27	0.01
C & E Loss (ft)	0.02	Cum SA (acres)	0.42	0.56	0.04

Plan: exmatchWSEL Trib 25 bald hill RS: 3300 Profile: 100-YR

E.G. Elev (ft)	599.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	599.56	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)		Flow Area (sq ft)	2.54	86.34	5.19
E.G. Slope (ft/ft)	0.004021	Area (sq ft)	2.54	86.34	5.19
Q Total (cfs)	440.00	Flow (cfs)	1.34	436.01	2.65
Top Width (ft)	44.95	Top Width (ft)	5.94	26.00	13.01
Vel Total (ft/s)	4.68	Avg Vel (ft/s)	0.59	5.05	0.51
Max Chl Dpth (ft)	4.56	Hydr. Depth (ft)	0.43	3.32	0.40
Conv. Total (cfs)	6939.2	Conv. (cfs)	21.2	6876.3	41.7
Length Wtd. (ft)	100.00	Wetted Per. (ft)	6.00	27.50	13.03
Min Ch El (ft)	595.00	Shear (lb/sq ft)	0.11	0.79	0.10
Alpha	1.16	Stream Power (lb/ft s)	0.06	3.98	0.05
Frctn Loss (ft)	0.34	Cum Volume (acre-ft)	0.43	1.46	0.03
C & E Loss (ft)	0.02	Cum SA (acres)	0.55	0.56	0.08

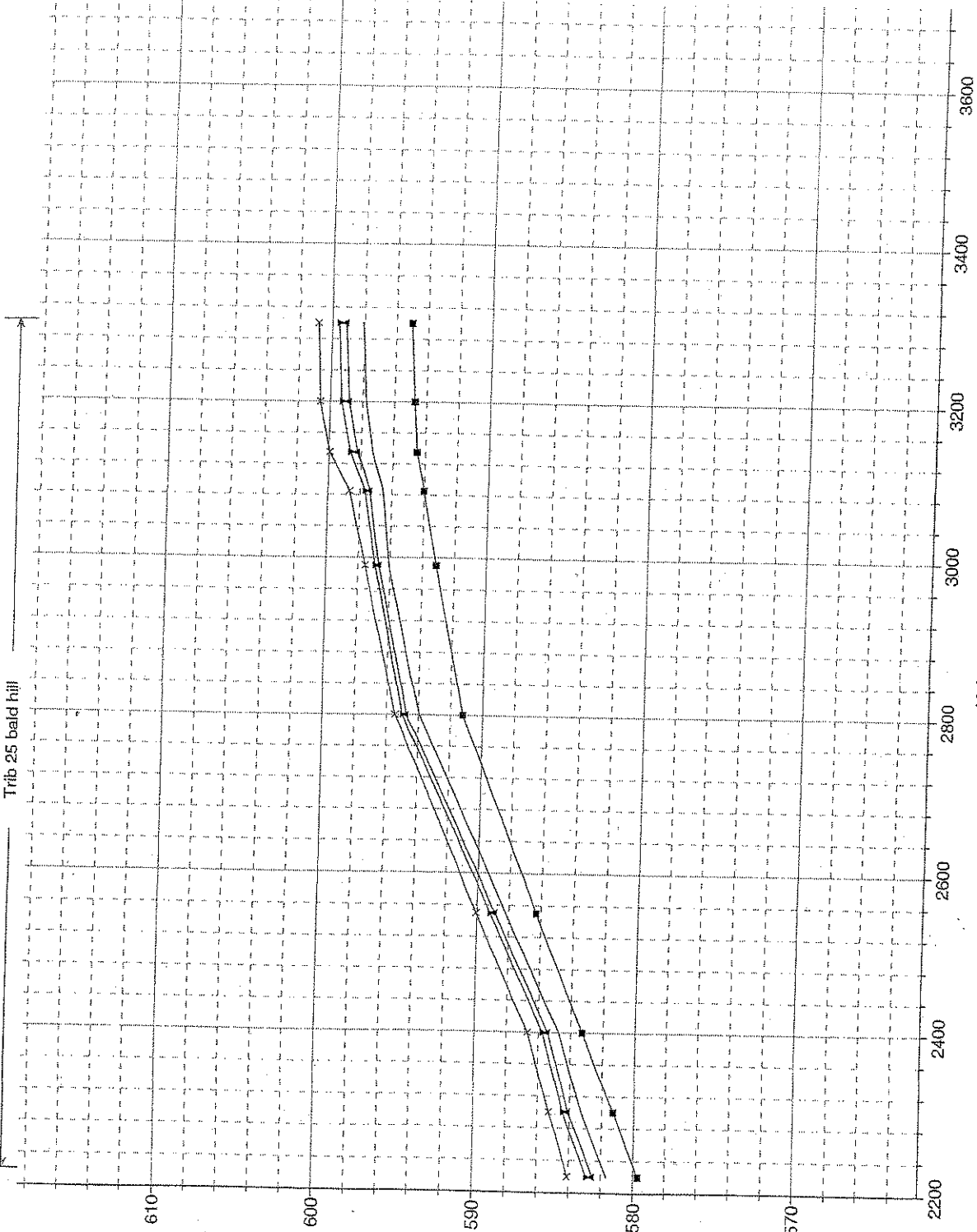
Plan: exmatchWSEL Trib 25 bald hill RS: 3300 Profile: 500-YR

E.G. Elev (ft)	601.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val	0.100	0.040	0.100
W.S. Elev (ft)	600.85	Reach Len. (ft)	100.00	100.00	100.00
Crit W.S. (ft)		Flow Area (sq ft)	17.34	119.68	33.96
E.G. Slope (ft/ft)	0.003431	Area (sq ft)	17.34	119.68	33.96
Q Total (cfs)	740.00	Flow (cfs)	14.49	694.14	31.37
Top Width (ft)	75.29	Top Width (ft)	18.30	26.00	30.99
Vel Total (ft/s)	4.33	Avg Vel (ft/s)	0.84	5.80	0.92
Max Chl Dpth (ft)	5.85	Hydr. Depth (ft)	0.95	4.60	1.10
Conv. Total (cfs)	12633.6	Conv. (cfs)	247.4	11850.7	535.5
Length Wtd. (ft)	100.00	Wetted Per. (ft)	18.43	27.50	31.06
Min Ch El (ft)	595.00	Shear (lb/sq ft)	0.20	0.93	0.23
Alpha	1.69	Stream Power (lb/ft s)	0.17	5.41	0.22
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.84	1.96	0.17
C & E Loss (ft)	0.03	Cum SA (acres)	0.79	0.56	0.18

Existing Conditions Floodplain Model

Trib 25 bald hill

Legend	
WS 500-YR	—x—
WS 100-YR	—▲—
WS 50-YR	—□—
WS 10-YR	—■—
Ground	—

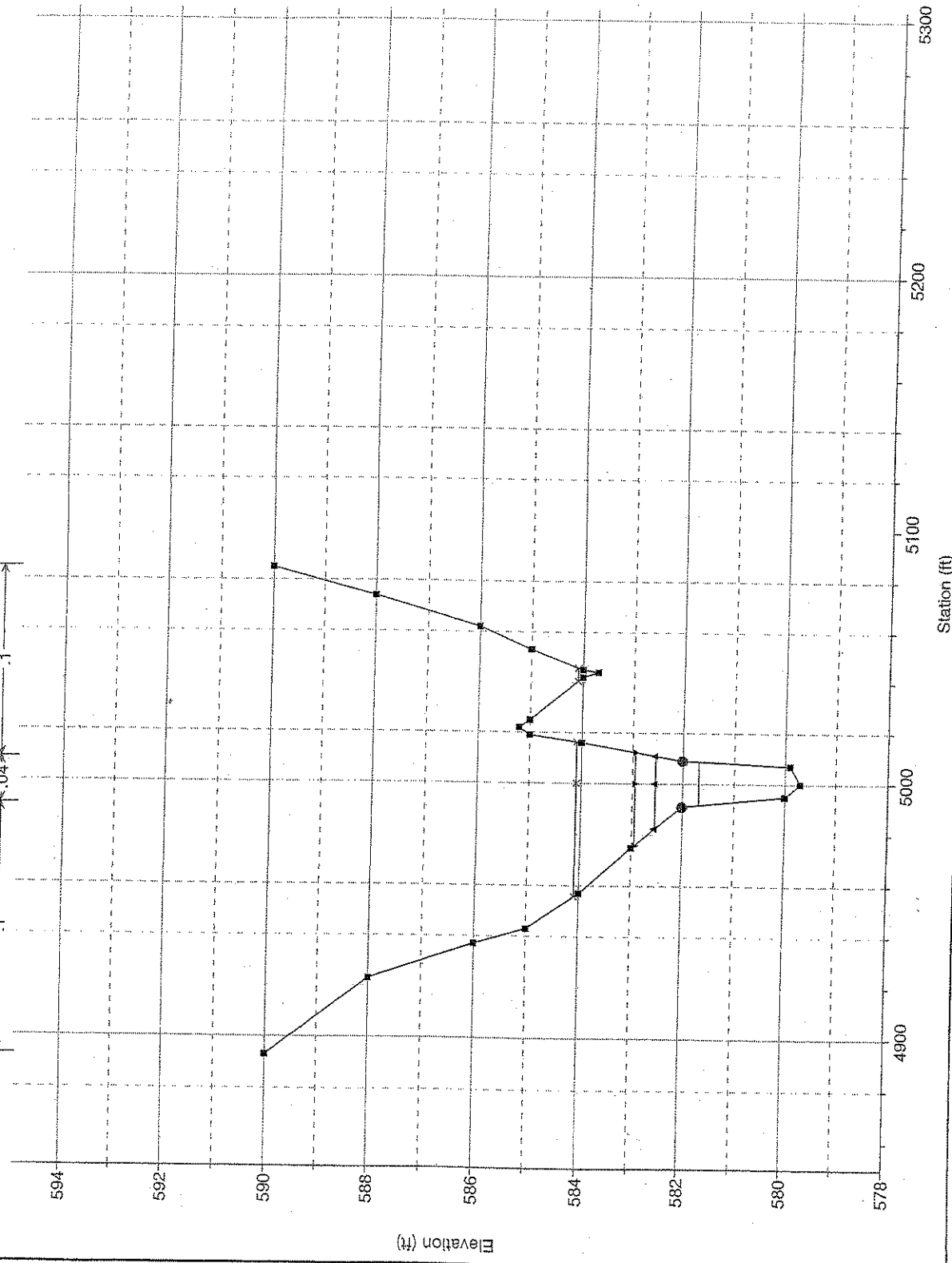


1 in Horiz. = 200 ft 1 in Vert. = 10 ft

RS = 2220 Existing Conditions Floodplain Model



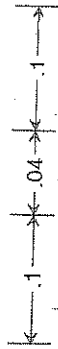
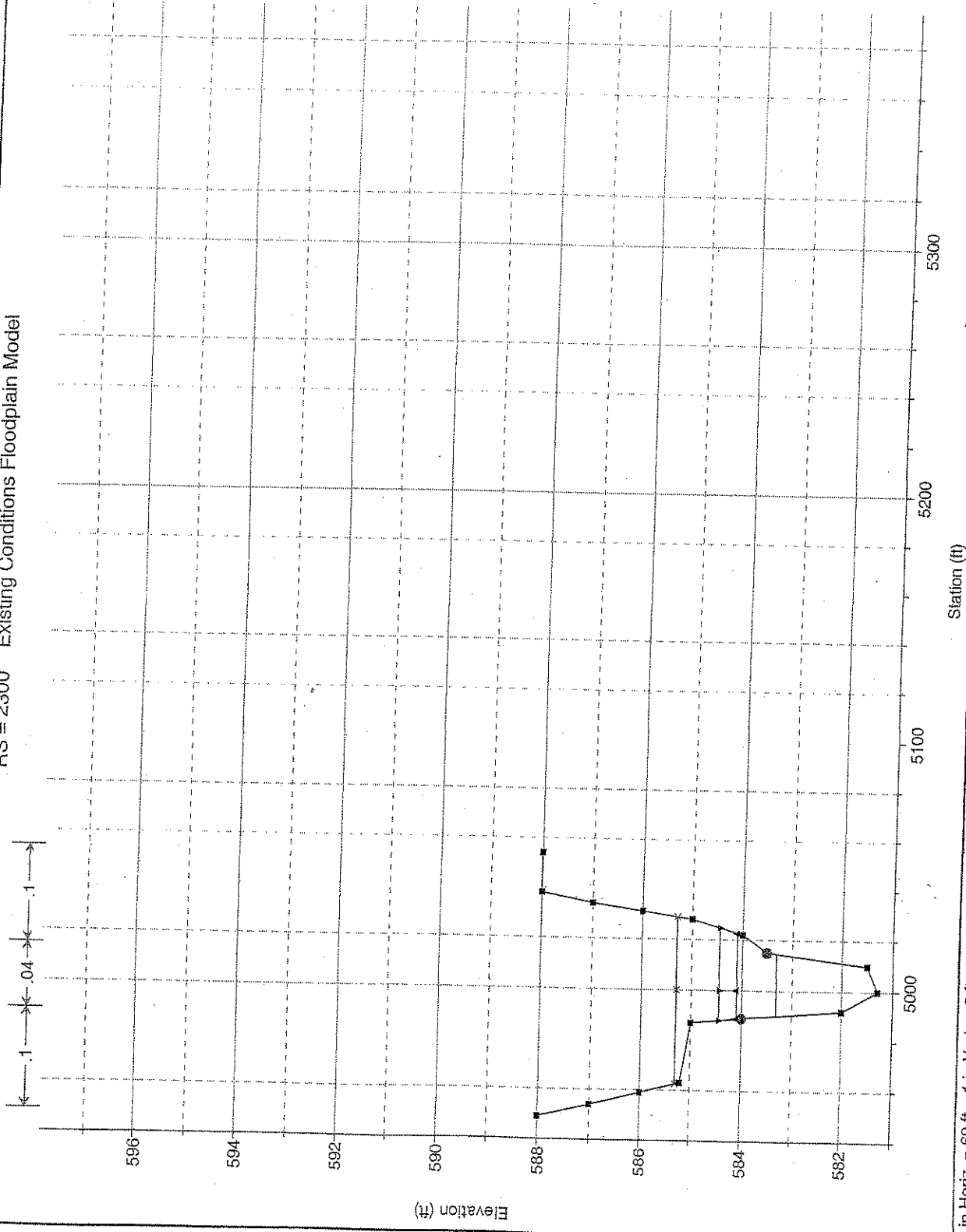
Legend	
WS 500-YR	▲
WS 100-YR	▼
WS 50-YR	◆
WS 10-YR	■
Ground	●
Bank Sta	⊙



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 2300 Existing Conditions Floodplain Model

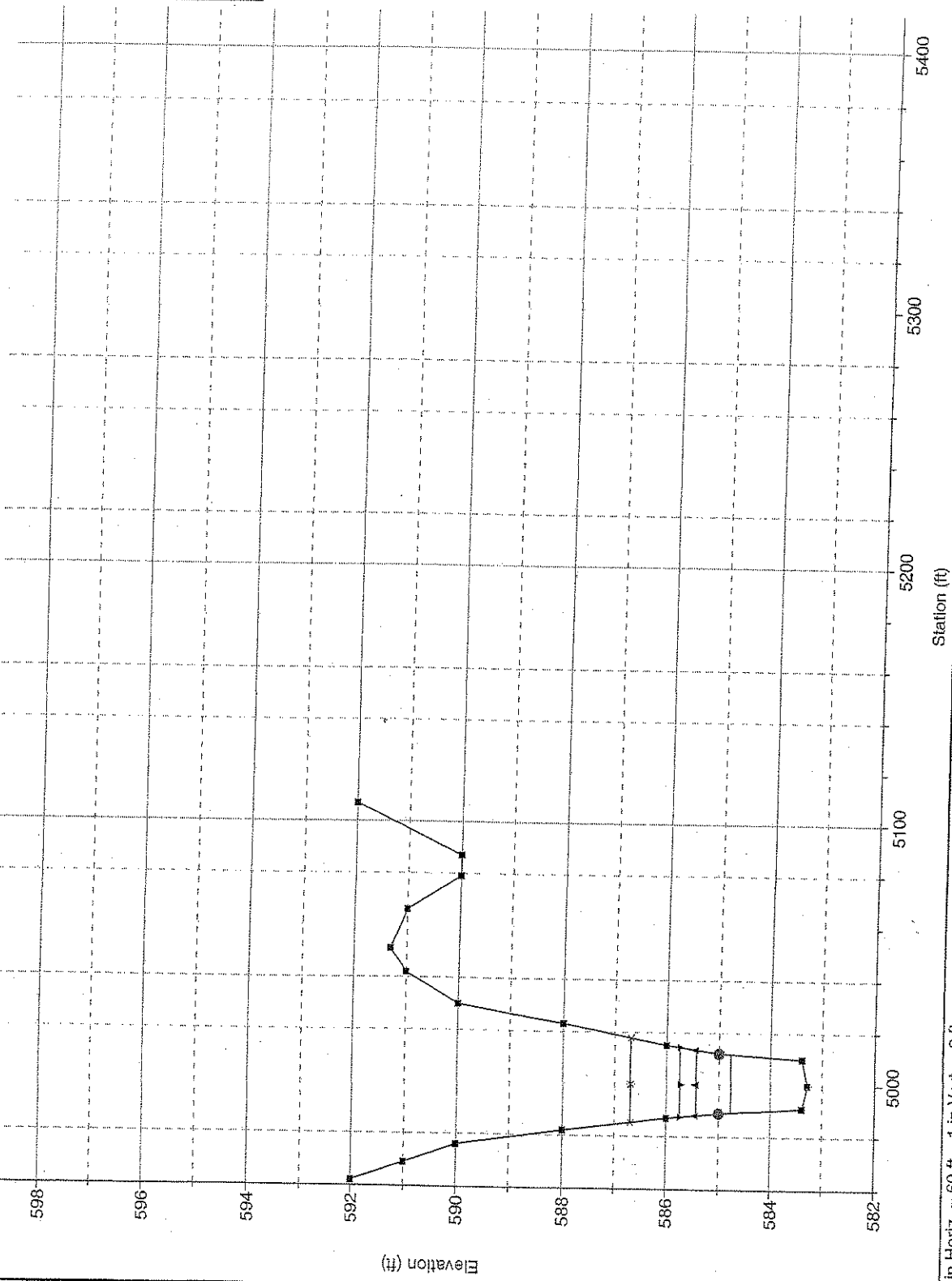
Legend	
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—	WS 100-YR
—	WS 50-YR
—	WS 10-YR
—	Ground
●	Bank Sta



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 2400 Existing Conditions Floodplain Model

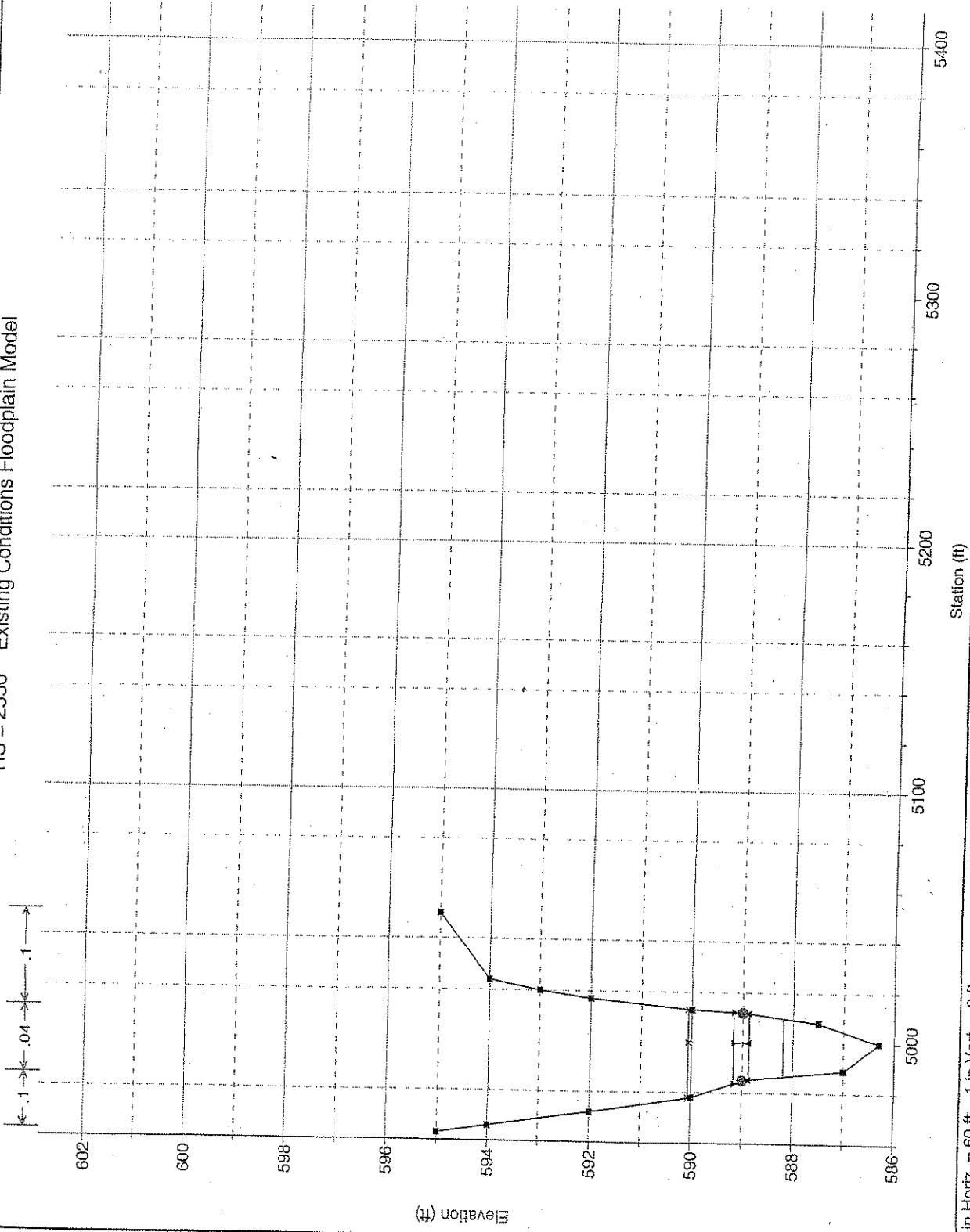
Legend	
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WS 100-YR	↑
WS 50-YR	↓
WS 10-YR	•
Ground	—
Bank Sta	⊙



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 2550 Existing Conditions Floodplain Model

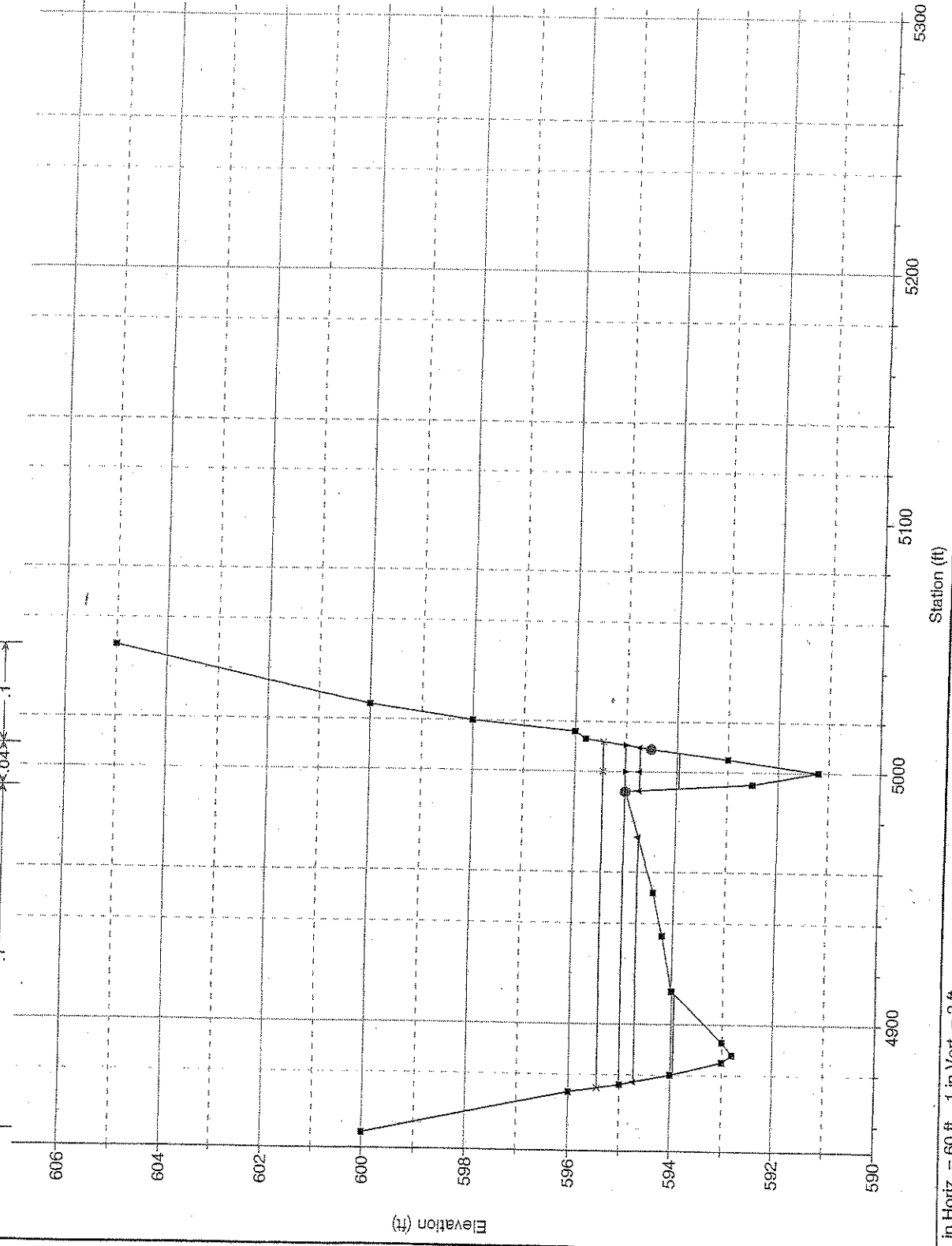
Legend	
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WS 100-YR	▼
WS 50-YR	◆
WS 10-YR	■
Ground	—
Bank Sta	●



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 2800 Existing Conditions Floodplain Model

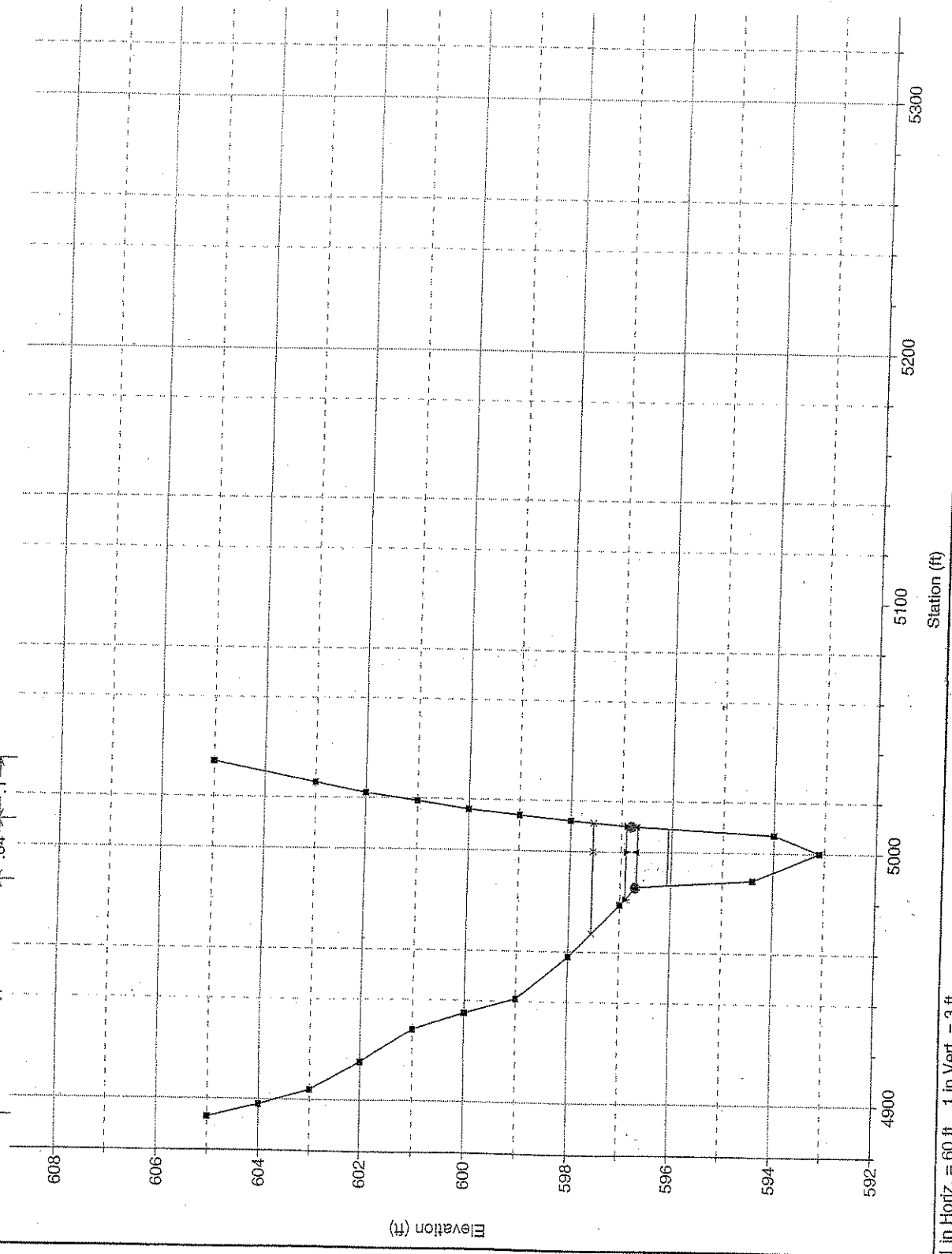
Legend	
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—▲—	WS 100-YR
—●—	WS 50-YR
—■—	WS 10-YR
—	Ground
●	Bank Sta



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 2990 Existing Conditions Floodplain Model

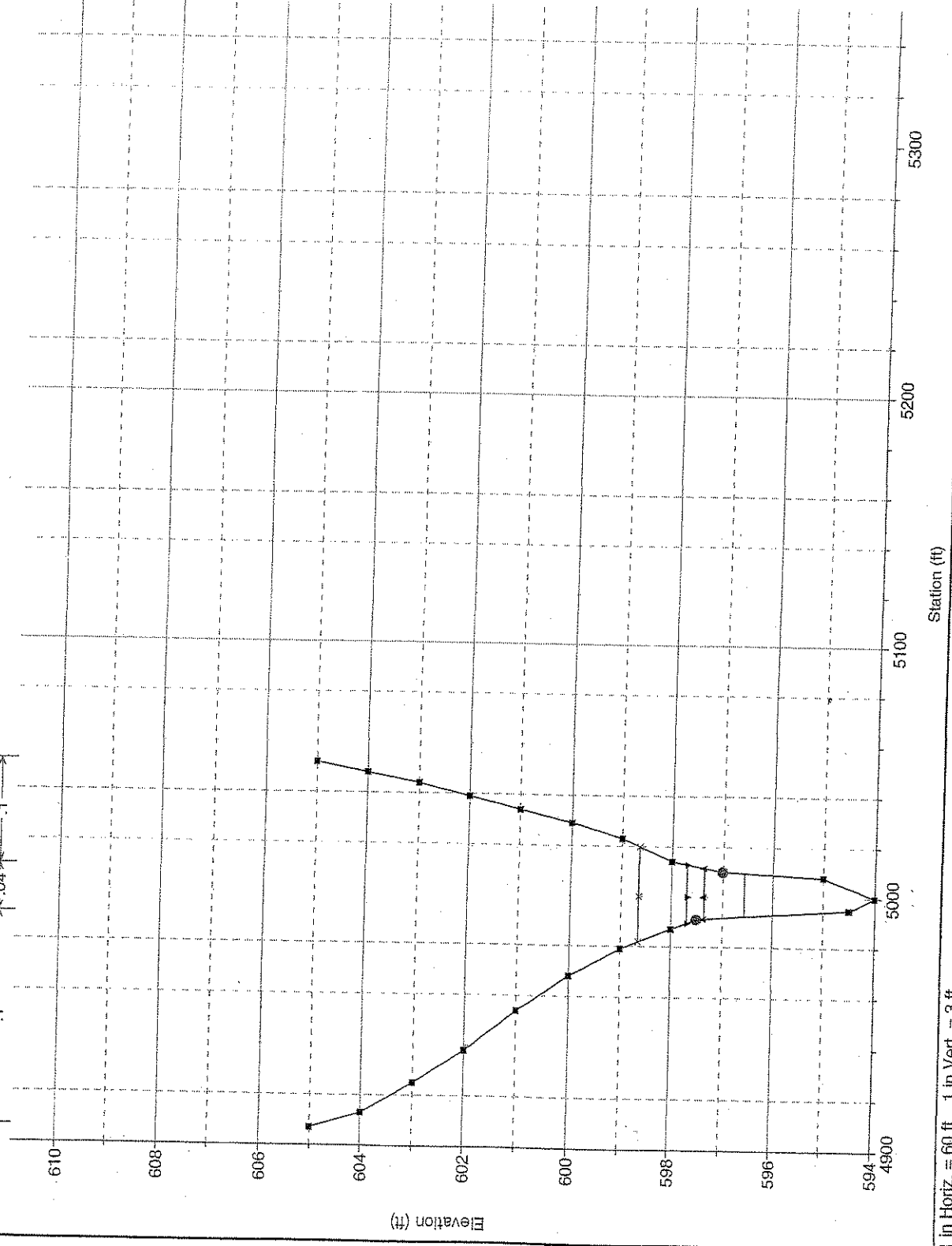
Legend	
—x—	WS 500-YR
—v—	WS 100-YR
—▲—	WS 50-YR
—■—	WS 10-YR
—	Ground
●	Bank Sta



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 3085 Existing Conditions Floodplain Model

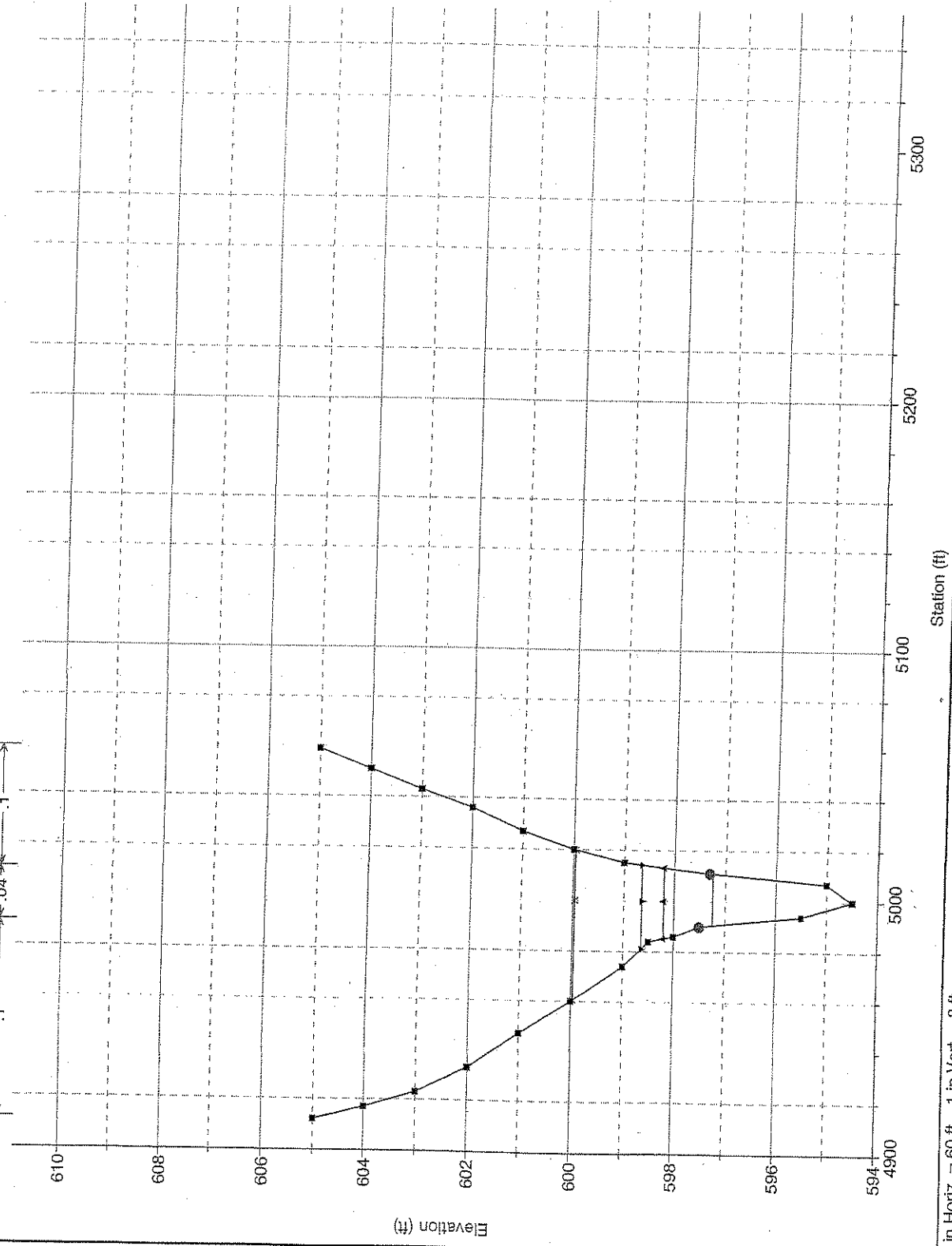
Legend	
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WS 100-YR	▲
WS 50-YR	▲
WS 10-YR	▲
Ground	●
Bank Sta	●



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 3135 Existing Conditions Floodplain Model

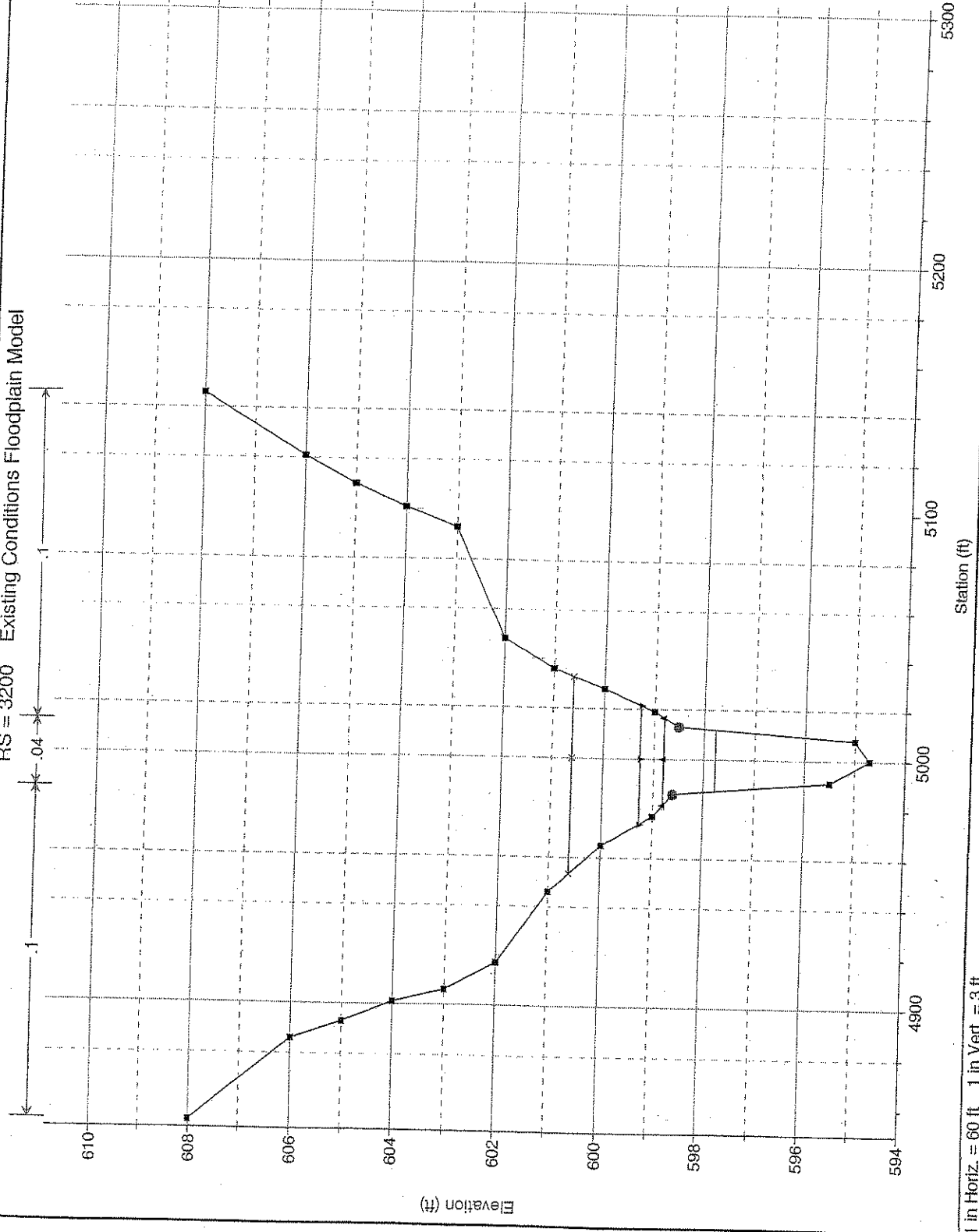
Legend	
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WS 100-YR	▼
WS 50-YR	◆
WS 10-YR	■
Ground	●
Bank Sta	⊙



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 3200 Existing Conditions Floodplain Model

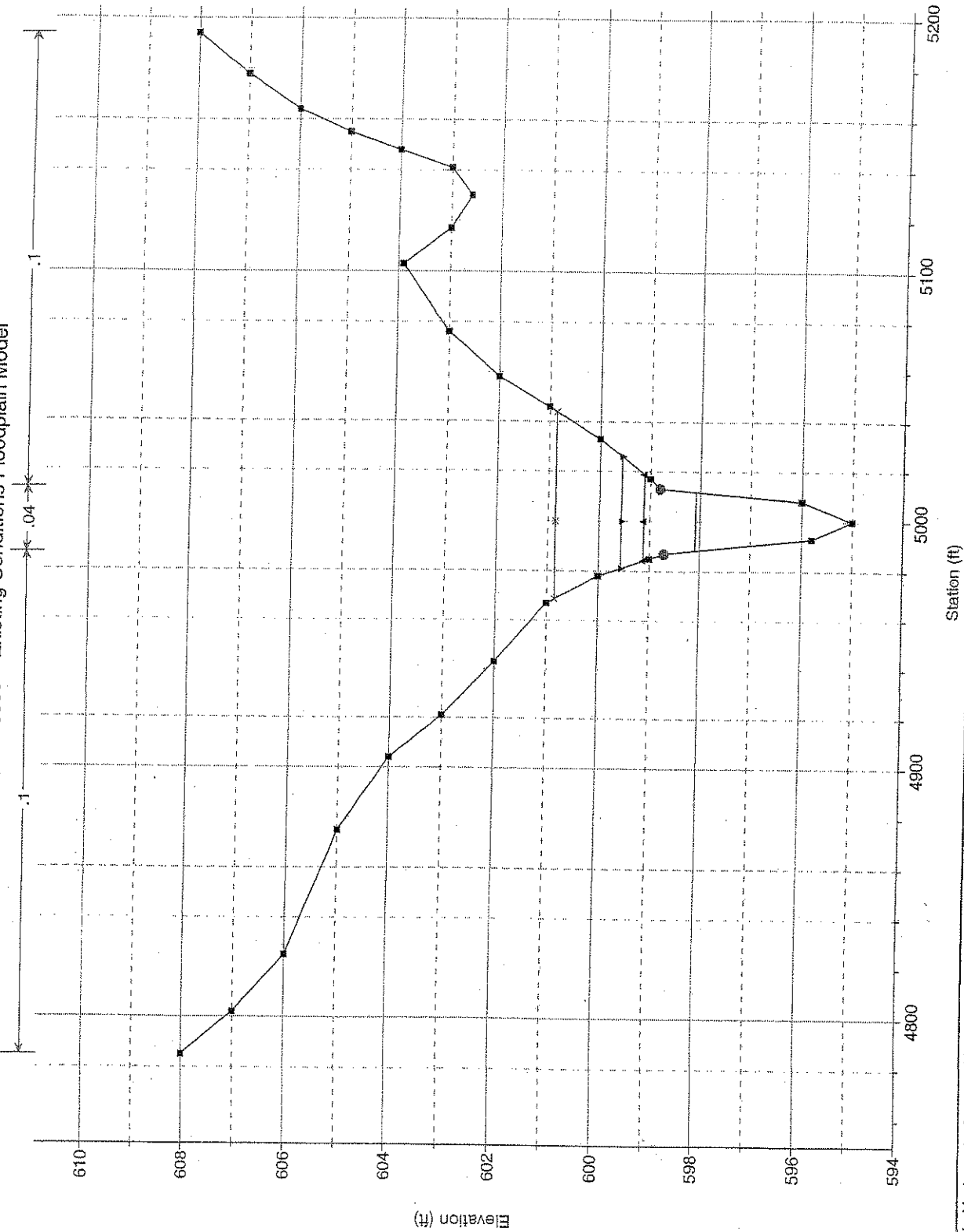
Legend	
WS 500-YR	▲
WS 100-YR	▲
WS 50-YR	▲
WS 10-YR	▲
Ground	●
Bank Sta	●



1 in Horiz. = 60 ft 1 in Vert. = 3 ft

RS = 3300 Existing Conditions Floodplain Model

Legend	
→	WS 500-YR
→	WS 100-YR
→	WS 50-YR
→	WS 10-YR
■	Ground
●	Bank Sta



1 in Horiz. = 60 ft 1 in Vert. = 3 ft