

Appendix B

Water Surface Profiles

With Levee Failure Points

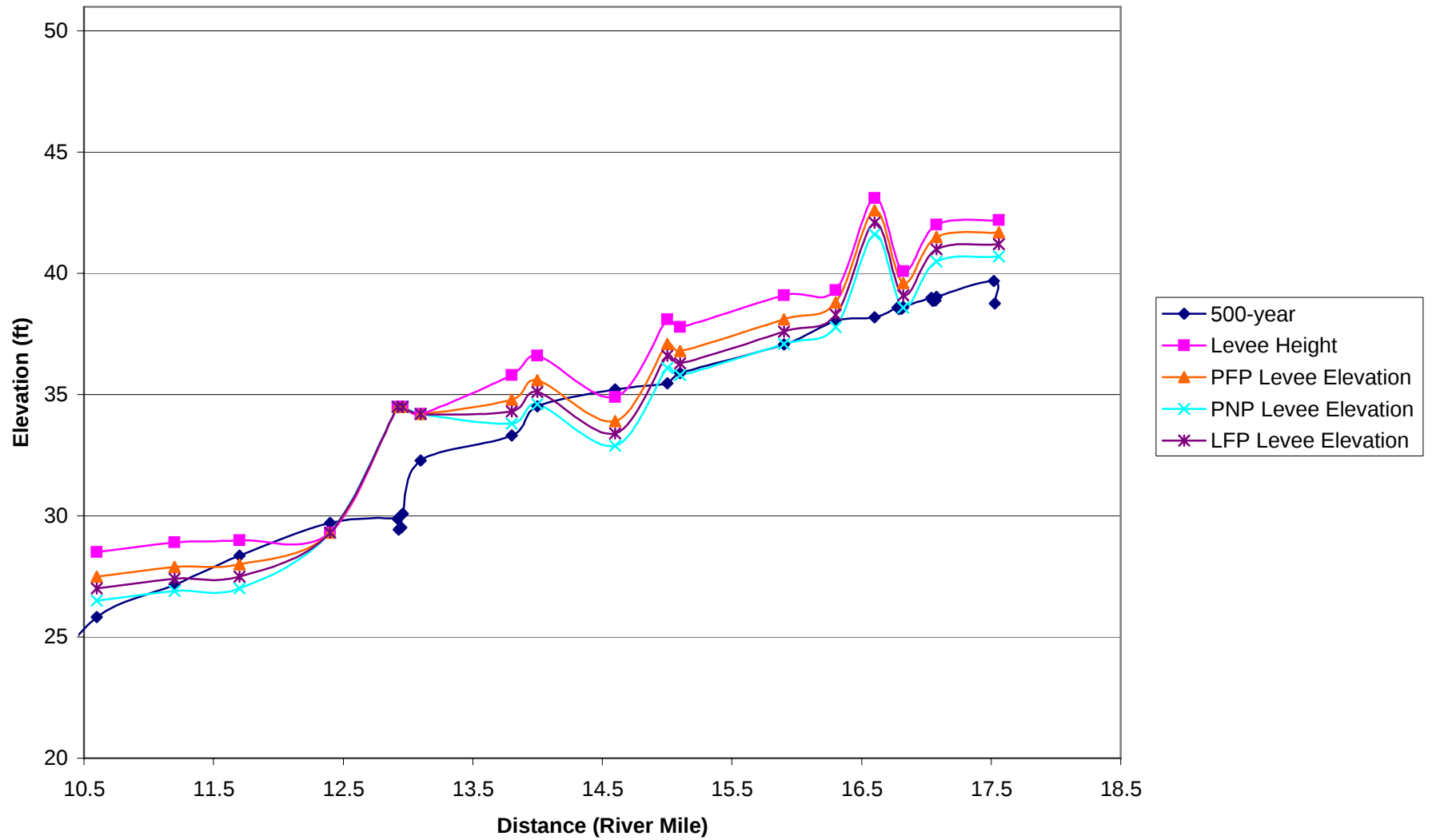
and

Different Debris Loading

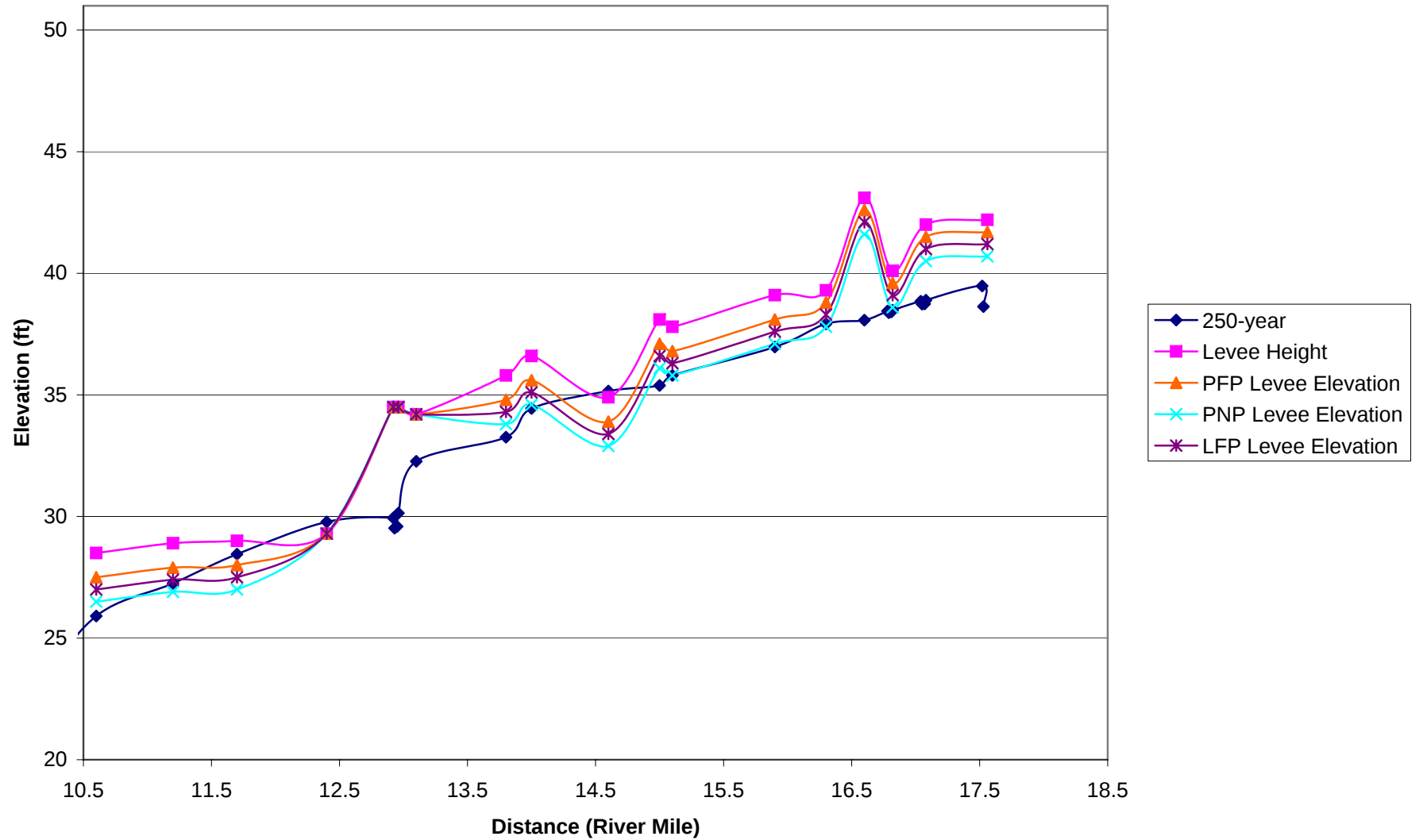
Scenarios

**Mainstem
Skagit River
Water Surface Profiles
With
Levee Failure Points**

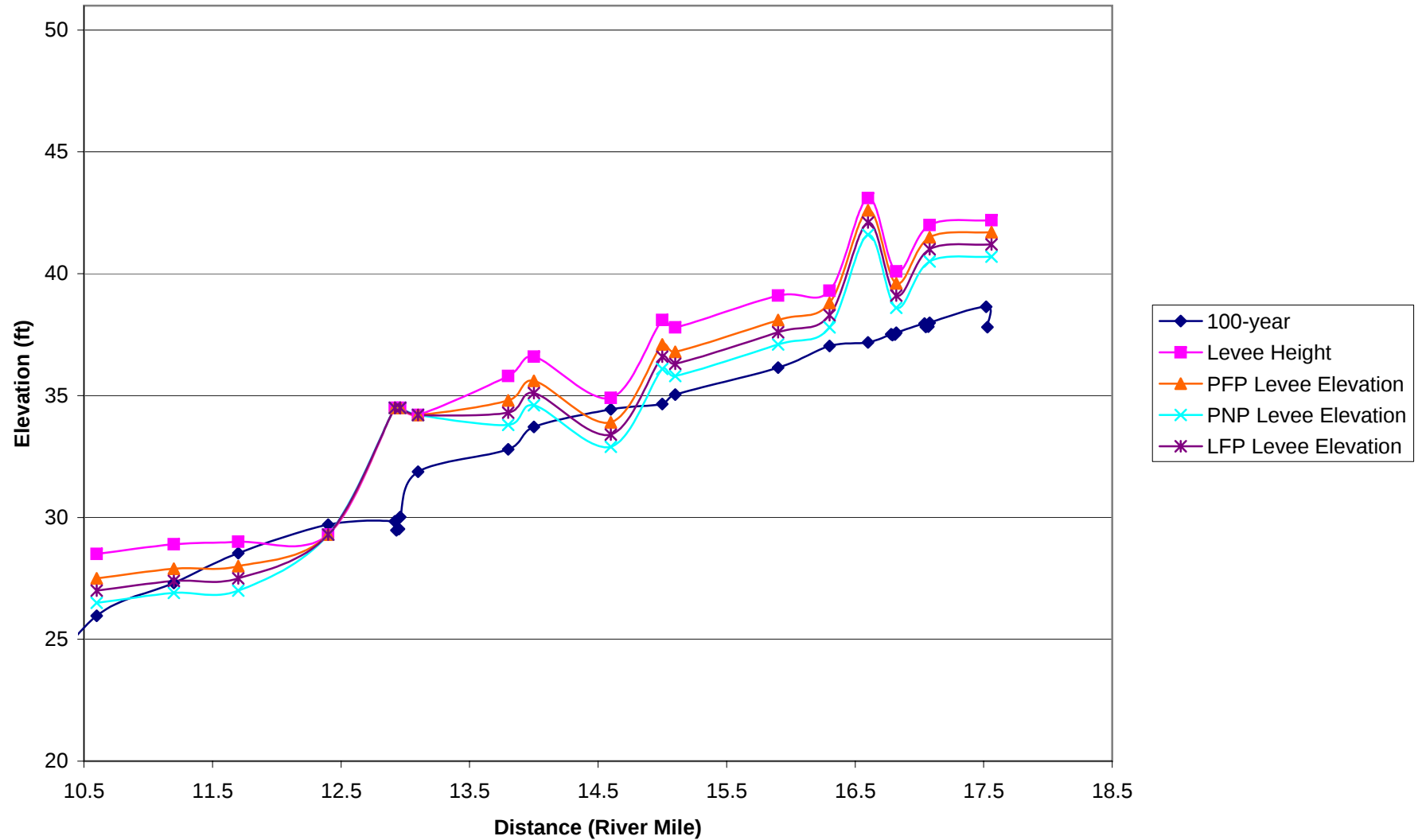
500-year WS vs. Left Bank Levee Heights



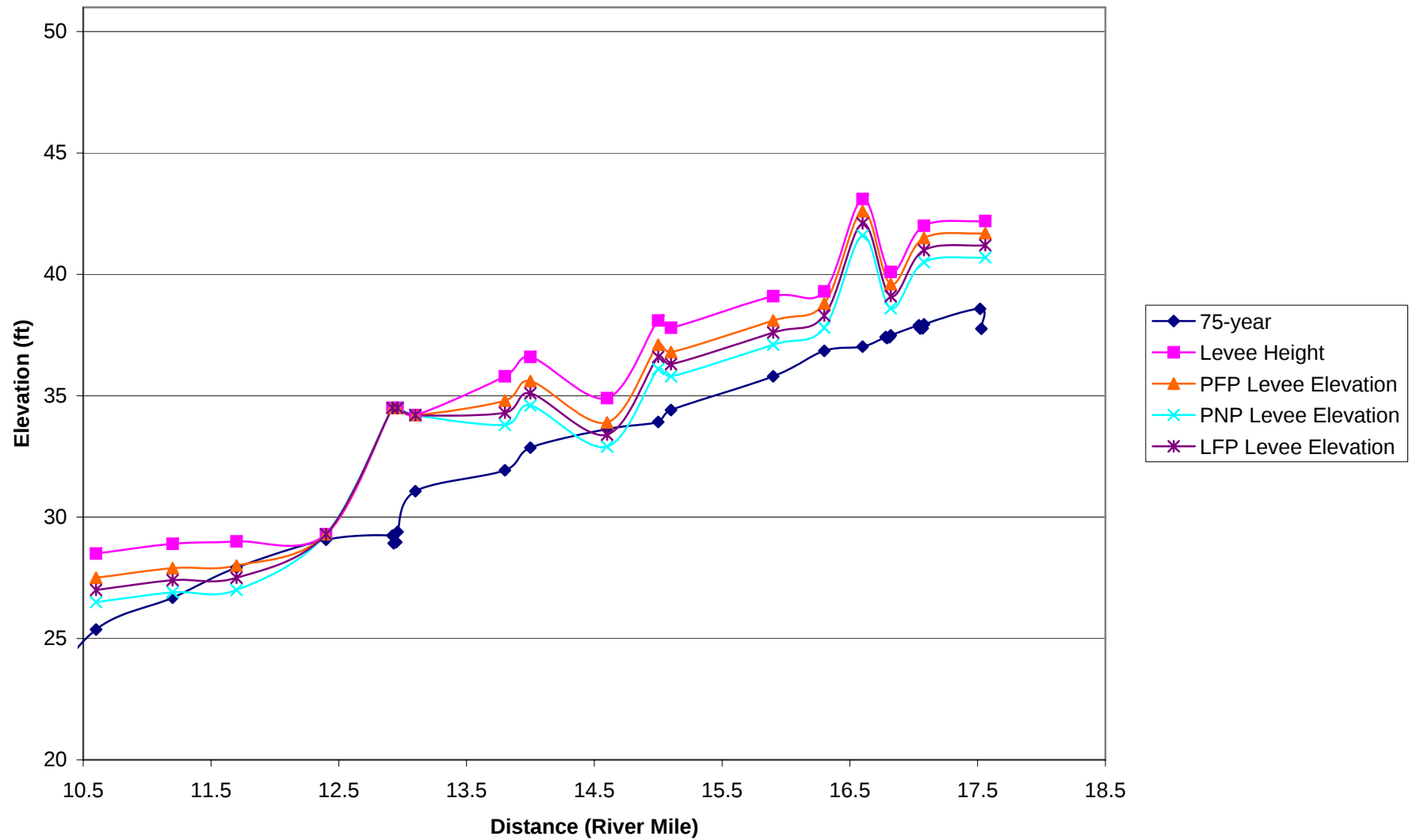
250-year WS vs. Left Bank Levee Heights



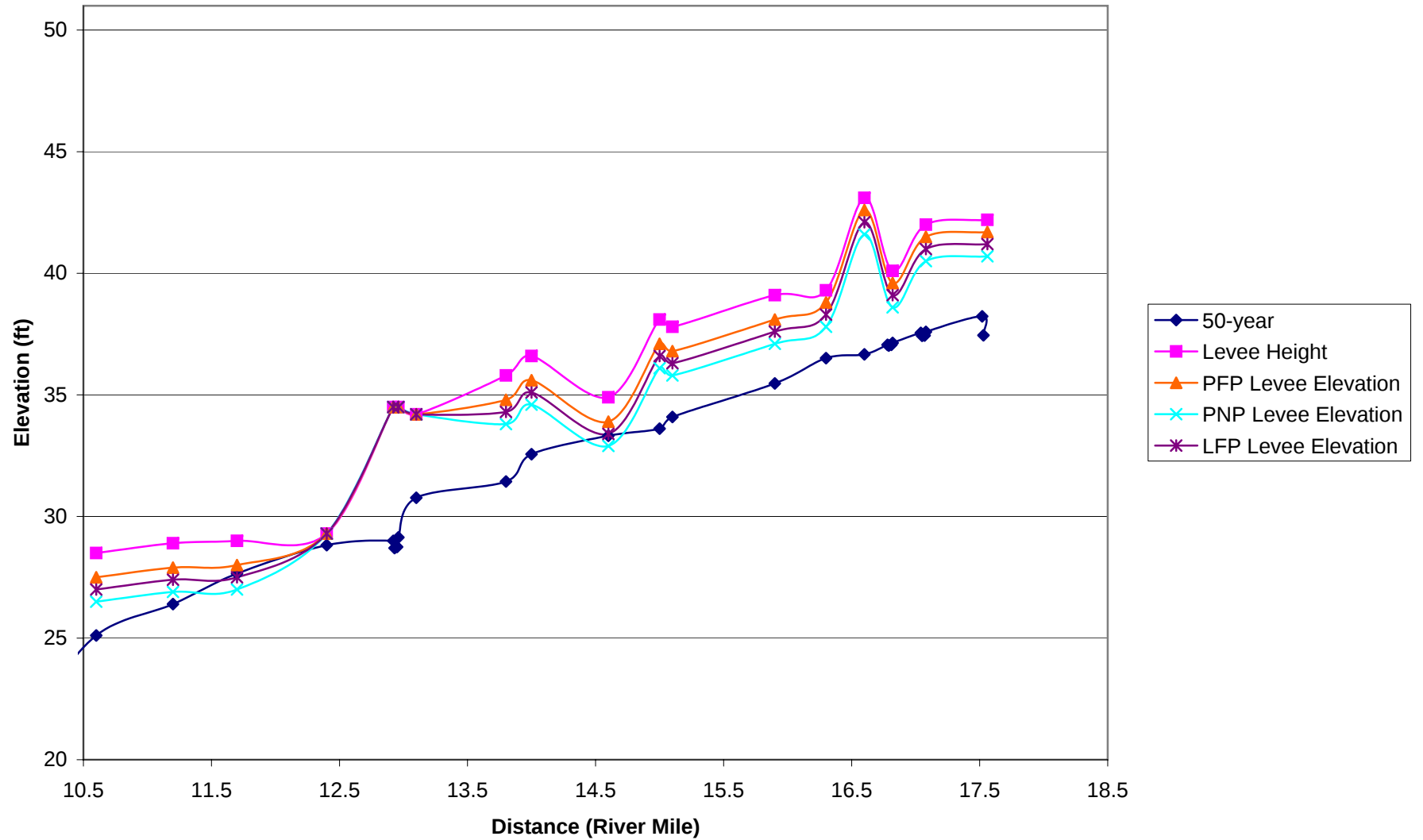
100-year WS vs. Left Bank Levee Heights



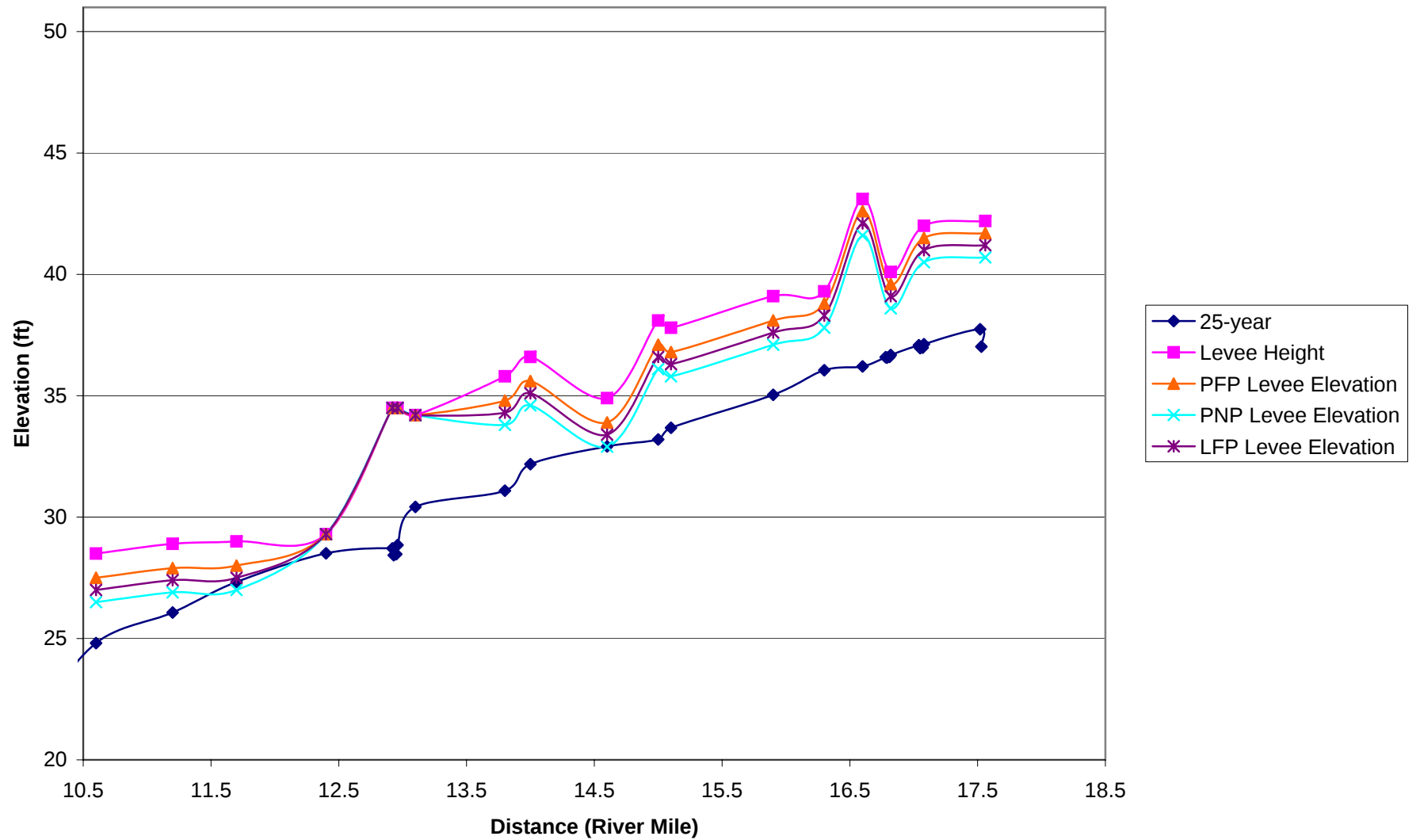
75-year WS vs. Left Bank Levee Heights



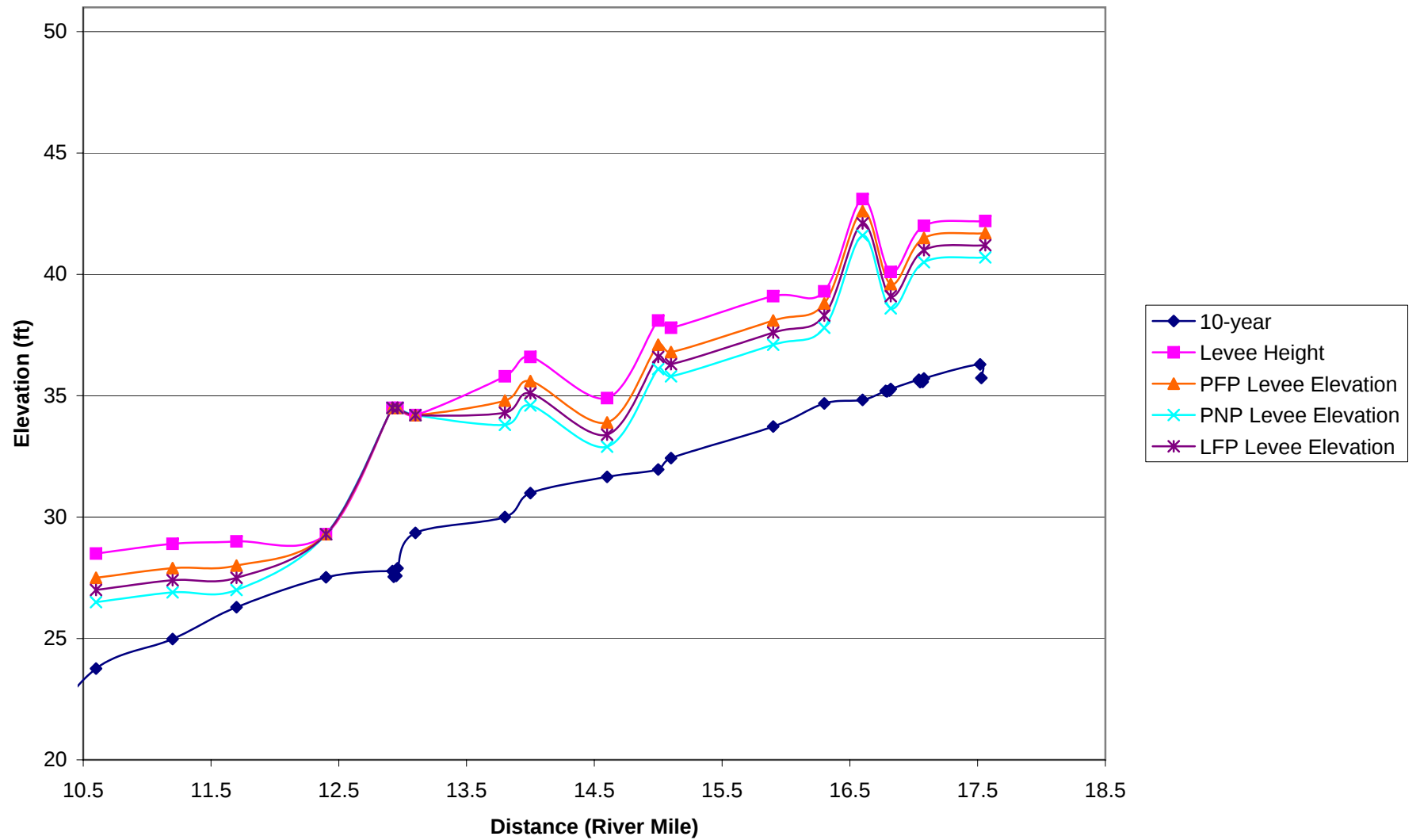
50-year WS vs. Left Bank Levee Heights



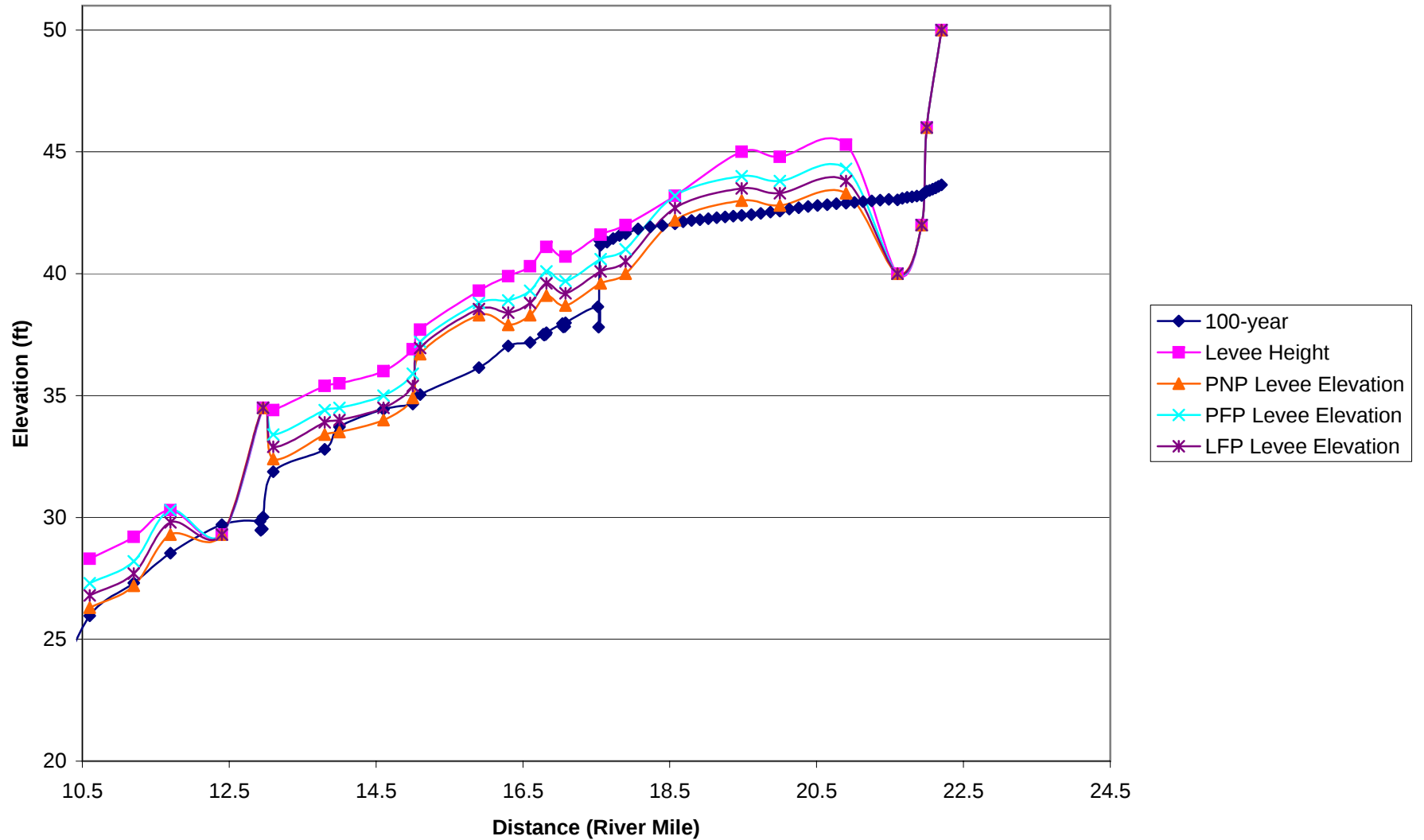
25-year WS vs. Left Bank Levee Heights



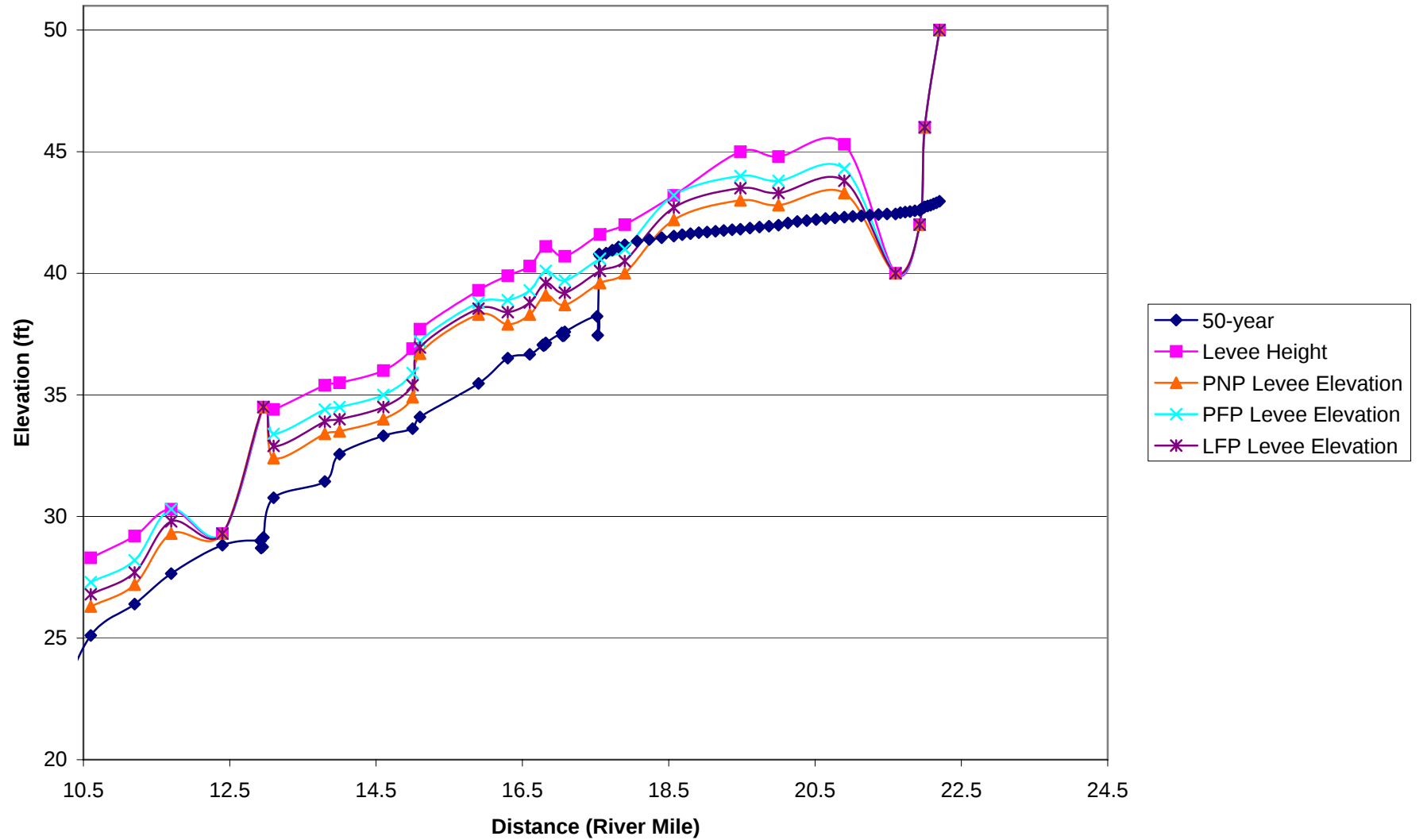
10-year WS vs. Left Bank Levee Heights



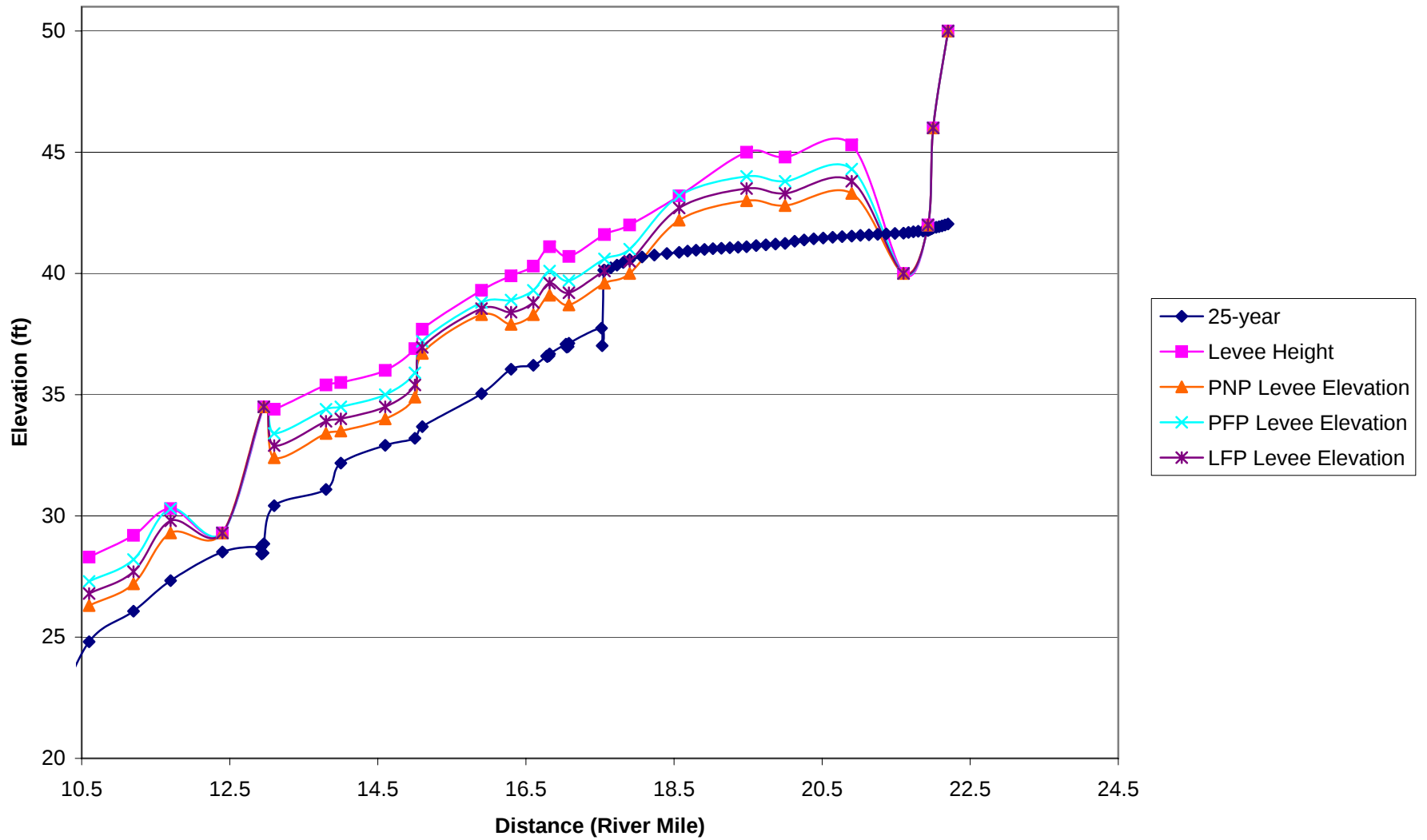
100-year WS vs. Right Bank Levee Heights



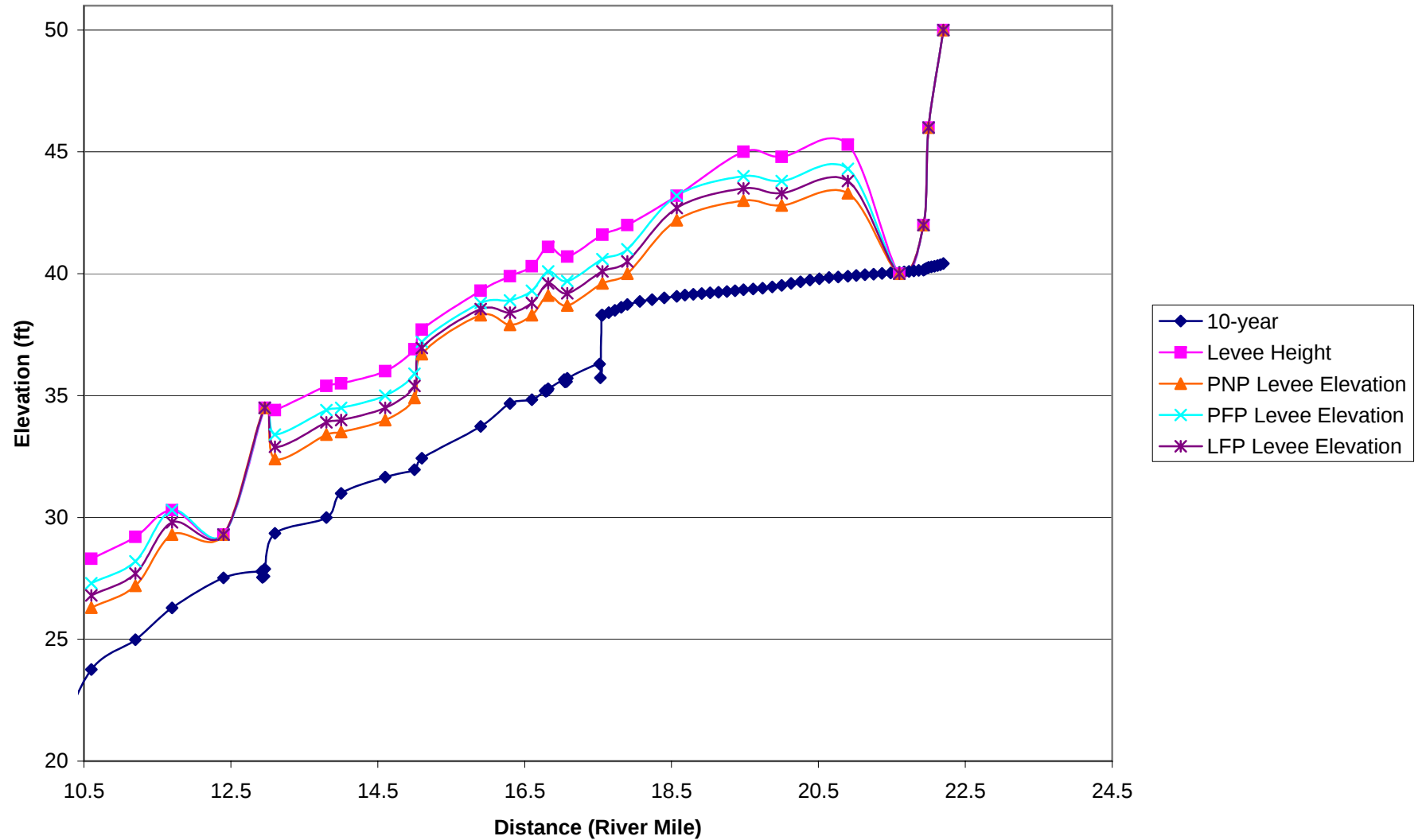
50-year WS vs. Right Bank Levee Heights



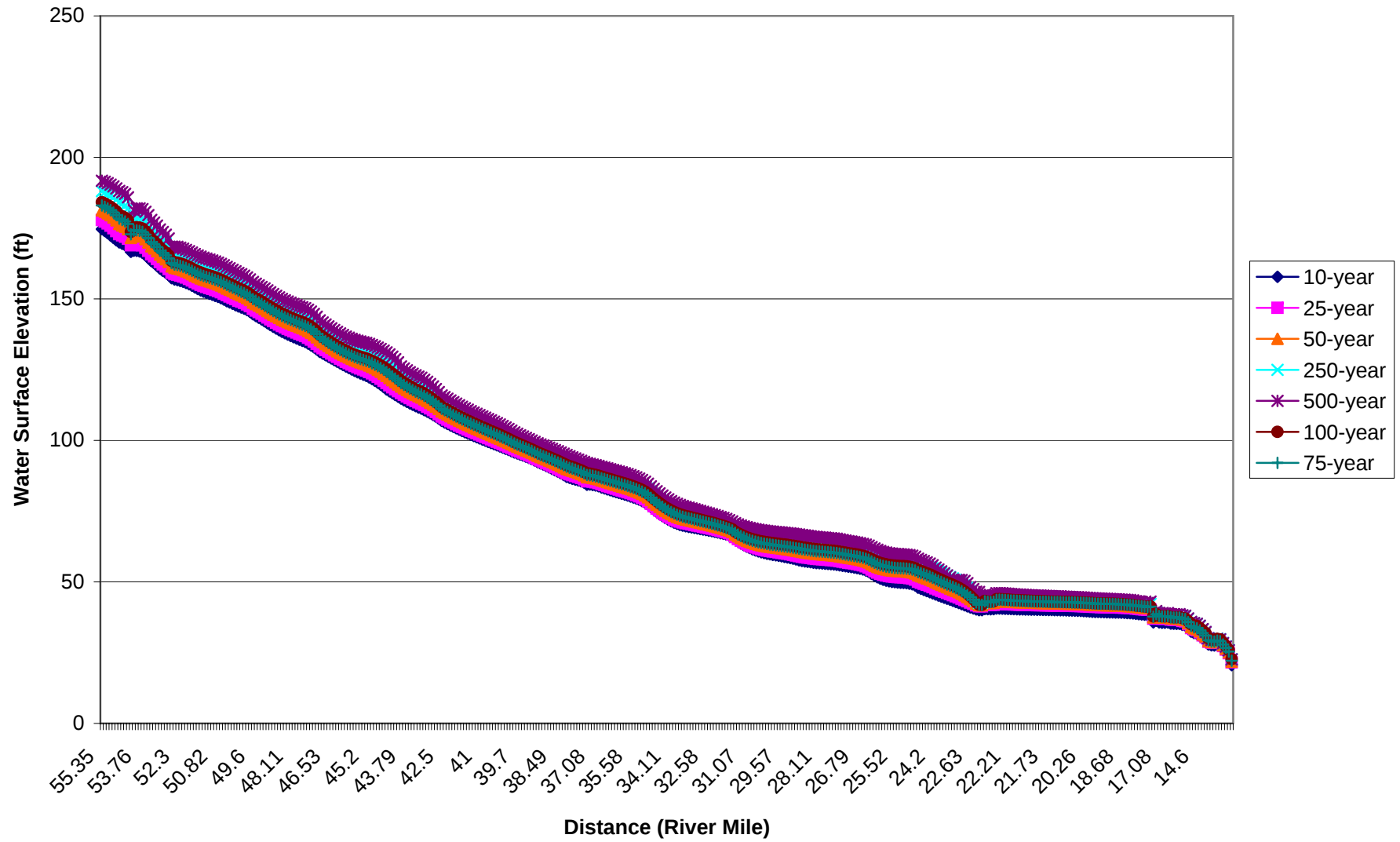
25-year WS vs.Right Bank Levee Heights



10-year WS vs. Right Bank Levee Heights



Mainstem Water Surface Profiles



X-sec	10-year	25-year	50-year	75-year	100-year	250-year	500-year
55.35	174.66	177.88	181.33	183.03	184.17	188.05	191.77
55.233	174	177.31	180.83	182.54	183.7	187.62	191.38
55.117	173.26	176.66	180.25	181.99	183.16	187.12	190.92
55	172.42	175.88	179.57	181.35	182.54	186.55	190.38
54.883	171.55	174.96	178.76	180.59	181.78	185.88	189.76
54.767	170.72	173.94	177.76	179.61	180.87	185.08	189.03
54.65	169.96	172.9	176.5	178.39	179.69	184.05	188.15
54.513	169.47	172.44	175.97	177.85	179.19	183.62	187.72
54.375	169.01	171.95	175.48	177.37	178.68	183.06	187.13
54.238	168.41	171.26	174.67	176.49	177.75	181.97	185.89
54.1	166.63	168.94	171.55	172.85	173.71	176.15	177.98
53.988	167.04	169.56	172.53	174.08	175.14	178.48	181.36
53.875	167	169.57	172.62	174.23	175.34	178.9	181.97
53.763	166.76	169.36	172.43	174.06	175.18	178.83	182
53.65	166.29	168.92	172.05	173.7	174.83	178.49	181.73
53.533	165.44	168.04	171.11	172.73	173.86	177.52	180.78
53.417	164.48	167	169.98	171.53	172.62	176.27	179.6
53.3	163.38	165.78	168.59	170.04	171.04	174.48	177.91
53.183	162.63	165.02	167.85	169.34	170.37	173.76	176.97
53.067	161.76	164.09	166.88	168.34	169.37	172.78	175.93
52.95	160.72	162.99	165.67	167.05	168.06	171.39	174.53
52.85	159.95	162.18	164.85	166.24	167.23	170.52	173.65
52.75	159.25	161.44	164.03	165.4	166.37	169.59	172.69
52.65	158.48	160.58	163.07	164.38	165.29	168.38	171.35
52.55	157.33	159.24	161.48	162.65	163.45	166.06	168.42
52.4	156.88	158.74	160.96	162.12	162.97	165.78	168.47
52.3	156.66	158.55	160.8	162	162.84	165.69	168.39
52.2	156.36	158.25	160.51	161.7	162.55	165.38	168.1
52.1	156.02	157.9	160.15	161.35	162.19	165.02	167.73
52	155.64	157.52	159.76	160.94	161.78	164.61	167.32
51.9	155.2	157.06	159.3	160.48	161.33	164.15	166.86
51.8	154.64	156.51	158.76	159.95	160.8	163.63	166.35
51.66	154.07	155.96	158.22	159.42	160.26	163.1	165.83
51.52	153.52	155.45	157.73	158.93	159.78	162.62	165.35
51.38	153.02	154.99	157.29	158.49	159.34	162.2	164.93
51.24	152.57	154.57	156.9	158.1	158.96	161.82	164.56
51.1	152.17	154.21	156.55	157.76	158.62	161.5	164.24
51.007	151.82	153.88	156.23	157.45	158.31	161.18	163.92
50.914	151.46	153.53	155.89	157.11	157.98	160.85	163.58
50.821	151.08	153.17	155.53	156.76	157.62	160.49	163.22
50.729	150.69	152.78	155.15	156.38	157.24	160.1	162.83
50.636	150.25	152.36	154.73	155.95	156.81	159.67	162.39
50.543	149.77	151.88	154.26	155.47	156.34	159.19	161.89
50.45	149.22	151.32	153.7	154.91	155.78	158.63	161.33
50.35	148.74	150.85	153.22	154.44	155.3	158.14	160.82
50.25	148.27	150.37	152.73	153.95	154.8	157.63	160.3
50.15	147.8	149.89	152.22	153.44	154.29	157.11	159.76
50.05	147.33	149.4	151.71	152.91	153.77	156.56	159.19

49.96	146.95	149.01	151.3	152.5	153.34	156.11	158.72
49.87	146.53	148.57	150.85	152.03	152.87	155.61	158.19
49.78	146.06	148.04	150.31	151.48	152.32	155.04	157.59
49.69	145.45	147.41	149.63	150.82	151.65	154.35	156.89
49.6	144.57	146.5	148.72	149.92	150.74	153.46	156
49.5	143.95	145.89	148.17	149.37	150.21	152.89	155.39
49.4	143.35	145.36	147.64	148.81	149.65	152.31	154.8
49.3	142.78	144.78	147.05	148.22	149.05	151.74	154.23
49.2	142.09	144.1	146.4	147.62	148.46	151.19	153.7
49.075	141.43	143.44	145.73	146.96	147.8	150.52	153.02
48.95	140.78	142.79	145.09	146.31	147.16	149.87	152.36
48.825	140.16	142.16	144.47	145.69	146.54	149.25	151.73
48.7	139.55	141.55	143.87	145.08	145.95	148.64	151.12
48.575	138.96	140.97	143.29	144.51	145.37	148.06	150.53
48.45	138.39	140.41	142.74	143.95	144.81	147.51	149.98
48.338	137.89	139.93	142.27	143.49	144.35	147.06	149.52
48.225	137.41	139.46	141.81	143.03	143.89	146.61	149.08
48.113	136.93	138.99	141.36	142.59	143.45	146.17	148.65
48	136.47	138.54	140.92	142.15	143.01	145.75	148.23
47.888	136.03	138.1	140.49	141.73	142.59	145.34	147.83
47.775	135.59	137.67	140.07	141.31	142.17	144.94	147.44
47.663	135.18	137.26	139.66	140.91	141.78	144.56	147.07
47.55	134.77	136.85	139.27	140.52	141.39	144.19	146.71
47.41	134.21	136.28	138.7	139.97	140.85	143.65	146.17
47.27	133.59	135.64	138.02	139.3	140.19	142.97	145.51
47.13	132.92	134.93	137.27	138.51	139.36	142.2	144.68
46.99	132.15	134.12	136.41	137.61	138.45	141.21	143.71
46.85	131.29	133.19	135.39	136.54	137.34	139.93	142.4
46.744	130.69	132.57	134.73	135.85	136.62	139.15	141.67
46.639	130.13	131.95	134.06	135.14	135.92	138.44	140.96
46.533	129.56	131.33	133.39	134.47	135.23	137.78	140.28
46.428	128.98	130.72	132.73	133.8	134.55	137.12	139.61
46.322	128.4	130.1	132.1	133.14	133.89	136.48	138.98
46.217	127.81	129.49	131.48	132.52	133.3	135.87	138.39
46.111	127.24	128.89	130.87	131.95	132.72	135.28	137.82
46.006	126.67	128.33	130.33	131.4	132.17	134.73	137.26
45.9	126.11	127.79	129.8	130.88	131.64	134.19	136.69
45.8	125.58	127.27	129.31	130.39	131.16	133.74	136.27
45.7	125.07	126.78	128.84	129.94	130.71	133.33	135.88
45.6	124.57	126.31	128.39	129.51	130.3	132.95	135.53
45.5	124.1	125.86	127.98	129.11	129.92	132.6	135.22
45.4	123.64	125.44	127.6	128.75	129.57	132.29	134.94
45.3	123.21	125.05	127.25	128.42	129.26	132.02	134.7
45.2	122.81	124.68	126.93	128.14	128.98	131.78	134.48
45.1	122.29	124.2	126.5	127.72	128.58	131.4	134.12
45	121.71	123.68	126.01	127.26	128.13	130.99	133.71
44.9	121.07	123.11	125.49	126.76	127.65	130.55	133.26
44.8	120.4	122.49	124.92	126.2	127.11	130.06	132.79
44.7	119.68	121.79	124.29	125.6	126.51	129.5	132.3
44.6	118.87	121.03	123.59	124.93	125.87	128.9	131.73
44.5	118.02	120.21	122.82	124.17	125.14	128.22	131.1

44.38	117.36	119.49	122.07	123.43	124.4	127.5	130.39
44.26	116.71	118.77	121.31	122.66	123.61	126.71	129.61
44.14	116.07	118.07	120.53	121.87	122.8	125.84	128.7
44.02	115.44	117.4	119.78	121.06	121.95	124.85	127.59
43.9	114.79	116.73	119.04	120.25	121.08	123.73	126.15
43.793	114.21	116.12	118.4	119.59	120.41	123.02	125.43
43.686	113.64	115.53	117.78	118.95	119.76	122.35	124.75
43.579	113.1	114.97	117.19	118.34	119.14	121.72	124.11
43.471	112.58	114.43	116.62	117.77	118.56	121.13	123.54
43.364	112.09	113.92	116.09	117.23	118.03	120.61	123.02
43.257	111.64	113.45	115.61	116.74	117.54	120.13	122.54
43.15	111.21	113	115.16	116.31	117.11	119.7	122.12
43.057	110.7	112.46	114.57	115.7	116.5	119.05	121.43
42.964	110.17	111.9	113.97	115.07	115.85	118.37	120.71
42.871	109.61	111.31	113.33	114.41	115.16	117.63	119.93
42.779	109.01	110.68	112.66	113.71	114.44	116.84	119.08
42.686	108.38	110.01	111.94	112.95	113.67	115.99	118.16
42.593	107.69	109.27	111.15	112.14	112.81	115.01	117.1
42.5	106.9	108.44	110.26	111.2	111.86	113.93	115.87
42.383	106.36	107.88	109.7	110.64	111.29	113.37	115.31
42.267	105.83	107.33	109.13	110.07	110.72	112.79	114.72
42.15	105.3	106.79	108.57	109.51	110.16	112.21	114.12
42.033	104.8	106.26	108.02	108.97	109.61	111.64	113.55
41.917	104.3	105.74	107.49	108.43	109.07	111.09	112.98
41.8	103.81	105.24	106.97	107.9	108.54	110.55	112.43
41.683	103.34	104.76	106.47	107.38	108.02	110.02	111.89
41.567	102.87	104.29	105.98	106.87	107.52	109.5	111.36
41.45	102.42	103.82	105.5	106.38	107.02	109	110.85
41.333	101.99	103.38	105.03	105.91	106.53	108.5	110.35
41.217	101.56	102.94	104.58	105.45	106.06	108.02	109.87
41.1	101.14	102.51	104.14	105	105.6	107.55	109.41
41	100.72	102.08	103.69	104.54	105.13	107.09	108.95
40.9	100.3	101.65	103.25	104.09	104.68	106.64	108.49
40.8	99.89	101.22	102.81	103.63	104.24	106.18	108.03
40.7	99.48	100.79	102.36	103.19	103.79	105.73	107.56
40.6	99.07	100.37	101.92	102.75	103.34	105.27	107.09
40.5	98.67	99.95	101.48	102.3	102.89	104.81	106.62
40.4	98.26	99.53	101.04	101.86	102.44	104.33	106.13
40.3	97.85	99.1	100.6	101.4	101.98	103.85	105.63
40.2	97.45	98.66	100.15	100.94	101.51	103.36	105.12
40.1	97.04	98.22	99.69	100.47	101.04	102.86	104.59
40	96.62	97.78	99.21	99.98	100.54	102.33	104.04
39.9	96.19	97.33	98.72	99.48	100.02	101.78	103.45
39.8	95.75	96.86	98.21	98.95	99.47	101.19	102.83
39.7	95.37	96.46	97.79	98.51	99.02	100.71	102.33
39.6	95	96.06	97.36	98.07	98.58	100.25	101.84
39.5	94.63	95.66	96.94	97.63	98.14	99.78	101.37
39.4	94.24	95.25	96.51	97.2	97.7	99.32	100.9
39.3	93.83	94.83	96.07	96.75	97.25	98.86	100.43
39.2	93.39	94.38	95.61	96.29	96.79	98.39	99.95
39.1	92.91	93.88	95.12	95.8	96.3	97.91	99.47

39	92.34	93.33	94.59	95.26	95.77	97.4	98.98
38.915	91.89	92.88	94.16	94.85	95.36	97	98.6
38.83	91.42	92.44	93.74	94.43	94.94	96.6	98.21
38.745	90.95	91.98	93.3	94	94.52	96.2	97.81
38.66	90.46	91.52	92.86	93.57	94.09	95.79	97.41
38.575	89.95	91.05	92.41	93.12	93.65	95.37	97.01
38.49	89.44	90.56	91.94	92.67	93.2	94.94	96.59
38.405	88.91	90.06	91.47	92.21	92.75	94.51	96.17
38.32	88.36	89.54	90.97	91.73	92.28	94.06	95.74
38.235	87.77	88.99	90.46	91.24	91.8	93.6	95.3
38.15	87.13	88.41	89.93	90.73	91.3	93.13	94.85
38.034	86.76	88.04	89.56	90.34	90.91	92.74	94.43
37.919	86.44	87.72	89.22	90	90.55	92.35	94.03
37.803	86.17	87.42	88.89	89.65	90.19	91.96	93.63
37.687	85.88	87.1	88.52	89.27	89.81	91.56	93.23
37.571	85.55	86.72	88.12	88.85	89.39	91.14	92.82
37.456	85.08	86.25	87.65	88.38	88.91	90.71	92.43
37.34	84.32	85.54	87	87.81	88.38	90.27	92.03
37.212	84.41	85.56	86.94	87.69	88.23	90.04	91.76
37.084	84.26	85.4	86.75	87.49	88.02	89.8	91.5
36.956	84.07	85.19	86.53	87.27	87.79	89.56	91.25
36.828	83.81	84.93	86.27	87	87.53	89.29	90.99
36.7	83.38	84.51	85.88	86.62	87.16	88.96	90.67
36.588	83.04	84.19	85.57	86.32	86.87	88.68	90.4
36.477	82.71	83.87	85.26	86.02	86.57	88.4	90.13
36.365	82.39	83.56	84.95	85.73	86.28	88.12	89.86
36.253	82.07	83.25	84.65	85.43	85.99	87.84	89.58
36.141	81.76	82.94	84.35	85.13	85.69	87.55	89.3
36.029	81.45	82.63	84.05	84.83	85.4	87.26	89.01
35.918	81.15	82.32	83.74	84.53	85.1	86.97	88.72
35.806	80.83	82	83.43	84.22	84.79	86.66	88.41
35.694	80.51	81.68	83.1	83.9	84.47	86.34	88.09
35.582	80.18	81.35	82.77	83.56	84.13	86	87.74
35.471	79.82	81	82.41	83.21	83.77	85.64	87.37
35.359	79.44	80.62	82.03	82.82	83.38	85.25	86.97
35.247	79.04	80.2	81.6	82.39	82.95	84.81	86.52
35.135	78.58	79.74	81.13	81.91	82.47	84.31	86.02
35.024	78.05	79.19	80.57	81.35	81.9	83.74	85.42
34.912	77.38	78.51	79.89	80.65	81.21	83.03	84.7
34.8	76.44	77.58	78.96	79.72	80.28	82.09	83.75
34.685	75.6	76.74	78.12	78.88	79.43	81.23	82.88
34.569	74.79	75.93	77.3	78.06	78.61	80.4	82.05
34.454	74.01	75.15	76.53	77.29	77.83	79.61	81.26
34.339	73.27	74.42	75.8	76.56	77.1	78.86	80.51
34.223	72.59	73.74	75.12	75.88	76.41	78.17	79.82
34.108	71.97	73.12	74.5	75.25	75.79	77.53	79.18
33.992	71.41	72.55	73.94	74.68	75.22	76.95	78.59
33.877	70.93	72.06	73.44	74.18	74.71	76.43	78.06
33.762	70.52	71.64	73	73.74	74.27	75.97	77.6
33.646	70.16	71.28	72.63	73.36	73.88	75.56	77.19
33.531	69.87	70.98	72.31	73.03	73.54	75.21	76.83

33.415	69.64	70.73	72.04	72.75	73.26	74.91	76.52
33.3	69.45	70.52	71.82	72.51	73.02	74.66	76.26
33.18	69.25	70.31	71.58	72.26	72.76	74.38	75.97
33.06	69.06	70.1	71.34	72.02	72.51	74.1	75.67
32.94	68.88	69.89	71.11	71.77	72.26	73.83	75.38
32.82	68.69	69.68	70.88	71.53	72	73.55	75.09
32.7	68.5	69.47	70.64	71.28	71.75	73.28	74.8
32.58	68.31	69.26	70.41	71.03	71.49	73	74.51
32.46	68.11	69.04	70.17	70.78	71.24	72.72	74.21
32.34	67.91	68.82	69.92	70.53	70.97	72.43	73.91
32.22	67.69	68.59	69.67	70.26	70.7	72.14	73.6
32.1	67.46	68.34	69.4	69.98	70.41	71.84	73.29
31.992	67.22	68.08	69.11	69.68	70.1	71.51	72.95
31.883	66.98	67.81	68.82	69.37	69.79	71.17	72.61
31.775	66.72	67.53	68.5	69.04	69.45	70.82	72.25
31.667	66.41	67.2	68.13	68.67	69.07	70.42	71.85
31.558	65.98	66.74	67.65	68.18	68.57	69.94	71.39
31.45	65.07	65.83	66.82	67.37	67.79	69.25	70.78
31.323	64.31	65.12	66.15	66.74	67.18	68.73	70.34
31.196	63.61	64.49	65.56	66.19	66.66	68.28	69.95
31.069	63	63.91	65.04	65.69	66.19	67.89	69.62
30.942	62.46	63.38	64.58	65.25	65.77	67.55	69.33
30.815	61.97	62.92	64.18	64.87	65.41	67.25	69.07
30.689	61.53	62.51	63.82	64.54	65.09	66.99	68.84
30.562	61.14	62.15	63.5	64.25	64.81	66.75	68.64
30.435	60.79	61.83	63.22	63.99	64.56	66.55	68.46
30.308	60.47	61.55	62.97	63.76	64.35	66.36	68.29
30.181	60.2	61.3	62.75	63.56	64.15	66.2	68.14
30.054	59.95	61.09	62.56	63.38	63.98	66.05	68.01
29.927	59.74	60.9	62.39	63.22	63.83	65.92	67.88
29.8	59.56	60.74	62.24	63.08	63.7	65.8	67.77
29.722	59.39	60.59	62.1	62.96	63.58	65.69	67.67
29.644	59.21	60.43	61.97	62.83	63.45	65.59	67.57
29.567	59.03	60.27	61.83	62.7	63.33	65.48	67.47
29.489	58.84	60.11	61.69	62.57	63.2	65.37	67.37
29.411	58.64	59.93	61.54	62.42	63.07	65.25	67.27
29.333	58.42	59.74	61.38	62.28	62.93	65.13	67.16
29.256	58.19	59.54	61.21	62.12	62.78	65	67.04
29.178	57.92	59.32	61.02	61.95	62.62	64.87	66.91
29.1	57.62	59.08	60.82	61.77	62.44	64.72	66.78
28.95	57.41	58.87	60.62	61.58	62.25	64.54	66.61
28.8	57.24	58.71	60.46	61.41	62.09	64.38	66.45
28.65	57.09	58.55	60.3	61.26	61.93	64.24	66.31
28.5	56.95	58.41	60.15	61.11	61.79	64.1	66.17
28.35	56.81	58.27	60.02	60.97	61.66	63.97	66.03
28.2	56.67	58.13	59.88	60.84	61.52	63.84	65.91
28.111	56.6	58.06	59.81	60.76	61.44	63.76	65.81
28.023	56.53	57.98	59.72	60.68	61.36	63.68	65.72
27.934	56.45	57.9	59.64	60.59	61.27	63.59	65.64
27.846	56.36	57.81	59.55	60.51	61.19	63.5	65.55
27.757	56.27	57.72	59.46	60.41	61.09	63.41	65.45

27.669	56.15	57.61	59.35	60.31	60.99	63.31	65.35
27.58	56.02	57.48	59.23	60.19	60.87	63.2	65.25
27.445	55.85	57.31	59.05	60.01	60.69	63.01	65.05
27.31	55.69	57.14	58.88	59.83	60.51	62.83	64.83
27.175	55.53	56.98	58.7	59.65	60.33	62.64	64.63
27.04	55.37	56.81	58.53	59.47	60.14	62.45	64.42
26.957	55.23	56.67	58.39	59.33	60	62.3	64.27
26.874	55.07	56.51	58.22	59.16	59.84	62.14	64.1
26.791	54.88	56.32	58.04	58.98	59.65	61.95	63.91
26.709	54.66	56.1	57.83	58.77	59.44	61.75	63.69
26.626	54.38	55.84	57.57	58.52	59.2	61.51	63.45
26.543	54.03	55.5	57.27	58.21	58.9	61.24	63.17
26.46	53.55	55.03	56.87	57.84	58.54	60.92	62.84
26.355	52.85	54.37	56.27	57.25	57.97	60.39	62.28
26.25	52.22	53.78	55.74	56.74	57.48	59.93	61.79
26.145	51.65	53.29	55.29	56.31	57.06	59.53	61.35
26.04	51.16	52.87	54.92	55.95	56.71	59.21	60.96
25.935	50.77	52.53	54.62	55.66	56.43	58.92	60.62
25.83	50.45	52.27	54.38	55.43	56.2	58.68	60.37
25.725	50.21	52.06	54.19	55.25	56.01	58.5	60.17
25.62	50.02	51.9	54.05	55.1	55.86	58.36	60.03
25.515	49.89	51.78	53.93	54.99	55.75	58.25	59.91
25.41	49.78	51.69	53.85	54.9	55.67	58.18	59.83
25.305	49.71	51.63	53.79	54.85	55.61	58.12	59.76
25.2	49.66	51.58	53.75	54.8	55.57	58.08	59.7
25.1	49.55	51.49	53.66	54.71	55.48	57.99	59.61
25	49.4	51.35	53.52	54.58	55.34	57.86	59.48
24.9	49.16	51.14	53.32	54.37	55.14	57.66	59.26
24.8	48.77	50.8	52.99	54.05	54.82	57.32	58.9
24.7	47.98	50.07	52.37	53.44	54.23	56.76	58.22
24.6	47.56	49.7	51.99	53.08	53.86	56.38	57.76
24.5	47.15	49.33	51.63	52.7	53.47	55.97	57.35
24.4	46.75	48.96	51.25	52.31	53.07	55.59	56.93
24.3	46.35	48.57	50.84	51.89	52.64	55.21	56.47
24.2	45.95	48.15	50.39	51.42	52.17	54.77	55.92
24.1	45.55	47.69	49.87	50.89	51.63	54.14	55.04
23.971	45.17	47.28	49.42	50.43	51.16	53.65	54.39
23.843	44.8	46.87	48.98	49.98	50.69	53.17	53.73
23.714	44.43	46.48	48.54	49.53	50.23	52.68	53.04
23.586	44.06	46.09	48.12	49.09	49.77	52.2	52.3
23.457	43.69	45.7	47.69	48.65	49.32	51.73	51.56
23.329	43.31	45.31	47.27	48.22	48.88	51.26	50.78
23.2	42.92	44.92	46.85	47.79	48.44	50.79	49.95
23.086	42.53	44.5	46.36	47.28	47.9	50.21	50.75
22.971	42.14	44.07	45.83	46.72	47.31	49.55	50.65
22.857	41.75	43.62	45.25	46.09	46.64	48.78	50.35
22.743	41.37	43.16	44.62	45.39	45.88	47.88	49.56
22.629	40.99	42.7	43.94	44.61	45	46.77	48.17
22.514	40.63	42.22	43.19	43.72	43.98	45.34	47.45
22.4	40.27	41.72	42.38	42.73	42.82	43.41	46.56
22.39	40.03	41.39	41.81	42.02	41.96	42.59	46.43

22.38	40	41.36	41.75	41.94	41.86	42.53	44.93
22.3	40.43	41.95	42.73	43.13	43.27	43.98	45.45
22.29	40.36	41.85	42.57	42.94	43.05	43.62	45.22
22.28	40.35	41.83	42.54	42.9	43	43.55	45.16
22.27	40.38	41.87	42.61	42.99	43.11	43.72	45.17
22.258	40.6	42.21	43.16	43.66	43.88	44.91	46.01
22.247	40.6	42.22	43.18	43.69	43.92	44.99	46.06
22.235	40.57	42.19	43.14	43.65	43.87	44.94	46.01
22.223	40.52	42.15	43.09	43.59	43.81	44.86	45.93
22.212	40.48	42.1	43.03	43.53	43.74	44.77	45.84
22.2	40.42	42.04	42.96	43.45	43.65	44.67	45.74
22.16	40.37	42	42.9	43.39	43.58	44.59	45.65
22.12	40.34	41.96	42.85	43.33	43.52	44.51	45.57
22.08	40.3	41.93	42.8	43.28	43.47	44.44	45.5
22.04	40.28	41.9	42.77	43.24	43.42	44.39	45.45
22	40.26	41.88	42.73	43.21	43.39	44.34	45.39
21.983	40.23	41.85	42.7	43.17	43.34	44.29	45.34
21.965	40.21	41.83	42.67	43.13	43.3	44.23	45.29
21.948	40.18	41.8	42.63	43.09	43.26	44.18	45.23
21.93	40.15	41.77	42.59	43.05	43.21	44.12	45.18
21.864	40.14	41.75	42.57	43.03	43.19	44.09	45.16
21.798	40.12	41.74	42.54	43	43.16	44.06	45.13
21.732	40.1	41.72	42.52	42.97	43.13	44.02	45.09
21.666	40.08	41.69	42.49	42.94	43.09	43.97	45.05
21.6	40.05	41.66	42.44	42.89	43.03	43.9	44.98
21.483	40.03	41.65	42.44	42.9	43.05	43.93	44.96
21.367	40.01	41.63	42.42	42.88	43.02	43.9	44.92
21.25	39.98	41.61	42.39	42.85	42.99	43.87	44.88
21.133	39.96	41.59	42.36	42.82	42.96	43.84	44.83
21.017	39.93	41.57	42.34	42.79	42.93	43.8	44.78
20.9	39.9	41.54	42.31	42.76	42.9	43.76	44.72
20.771	39.87	41.52	42.28	42.74	42.87	43.73	44.69
20.643	39.84	41.49	42.25	42.71	42.83	43.69	44.64
20.514	39.79	41.46	42.21	42.67	42.8	43.65	44.59
20.386	39.74	41.43	42.17	42.63	42.76	43.61	44.54
20.257	39.67	41.38	42.13	42.59	42.71	43.56	44.48
20.129	39.6	41.33	42.07	42.53	42.65	43.5	44.41
20	39.52	41.24	41.98	42.46	42.57	43.43	44.32
19.87	39.46	41.21	41.94	42.42	42.53	43.38	44.27
19.74	39.41	41.18	41.9	42.37	42.48	43.33	44.2
19.61	39.38	41.15	41.86	42.33	42.43	43.27	44.14
19.48	39.34	41.1	41.81	42.29	42.39	43.23	44.09
19.366	39.3	41.08	41.79	42.26	42.36	43.2	44.06
19.253	39.27	41.06	41.76	42.23	42.33	43.16	44.02
19.139	39.24	41.04	41.73	42.2	42.3	43.12	43.97
19.025	39.22	41.02	41.7	42.17	42.26	43.08	43.92
18.911	39.19	40.99	41.67	42.13	42.22	43.04	43.87
18.798	39.16	40.96	41.63	42.09	42.18	42.99	43.8
18.684	39.12	40.92	41.59	42.04	42.13	42.92	43.72
18.57	39.07	40.87	41.53	41.98	42.05	42.83	43.68
18.403	39.01	40.82	41.46	41.9	41.98	42.8	43.66

18.235	38.94	40.76	41.39	41.85	41.92	42.74	43.6
18.068	38.86	40.68	41.32	41.76	41.84	42.64	43.48
17.9	38.74	40.57	41.17	41.58	41.64	42.39	43.19
17.815	38.62	40.45	41.08	41.52	41.57	42.31	43.11
17.73	38.5	40.34	40.95	41.38	41.44	42.15	42.92
17.645	38.4	40.23	40.83	41.25	41.3	41.98	42.73
17.56	38.3	40.13	40.72	41.13	41.17	41.82	42.54
17.55	38.3	40.13	40.79	41.27	41.35	42.23	43.04
17.53	35.73	37.02	37.45	37.76	37.81	38.63	38.76
17.52	36.29	37.74	38.23	38.58	38.64	39.48	39.69
17.08	35.71	37.12	37.59	37.94	37.99	38.89	39.03
17.07	35.57	36.98	37.44	37.78	37.83	38.74	38.88
17.05	35.56	36.96	37.43	37.77	37.82	38.73	38.87
17.04	35.66	37.08	37.55	37.9	37.95	38.85	39
16.82	35.28	36.68	37.14	37.49	37.58	38.48	38.62
16.81	35.21	36.6	37.06	37.41	37.51	38.41	38.54
16.79	35.18	36.57	37.03	37.38	37.48	38.38	38.52
16.78	35.2	36.59	37.06	37.42	37.52	38.45	38.59
16.6	34.83	36.21	36.67	37.02	37.18	38.07	38.2
16.3	34.68	36.05	36.51	36.85	37.04	37.92	38.05
15.9	33.73	35.04	35.47	35.8	36.15	36.97	37.08
15.1	32.43	33.68	34.09	34.41	35.04	35.8	35.88
15	31.96	33.2	33.61	33.92	34.65	35.39	35.46
14.6	31.66	32.91	33.32	33.63	34.43	35.16	35.22
14	30.99	32.18	32.56	32.86	33.71	34.44	34.52
13.8	30	31.09	31.44	31.93	32.8	33.26	33.32
13.1	29.35	30.42	30.77	31.07	31.88	32.27	32.28
12.96	27.89	28.85	29.14	29.39	30.02	30.14	30.08
12.95	27.58	28.47	28.75	28.97	29.53	29.59	29.51
12.93	27.54	28.43	28.7	28.92	29.47	29.52	29.44
12.92	27.78	28.71	29	29.24	29.84	29.94	29.87
12.4	27.52	28.51	28.82	29.07	29.7	29.78	29.7
11.7	26.29	27.33	27.65	27.92	28.53	28.45	28.36
11.2	24.98	26.07	26.4	26.68	27.31	27.25	27.15
10.6	23.76	24.81	25.11	25.37	25.96	25.91	25.82
10.1	20.6	21.54	21.85	22.14	22.73	22.69	22.63

North Fork

9.24	20.6	21.54	21.85	22.14	22.73	22.69	22.63
8.749	19.9	20.87	21.19	21.49	22.09	22.05	22
8.41	19.33	20.28	20.59	20.89	21.47	21.43	21.4
8.147	18.41	19.33	19.61	19.92	20.45	20.42	20.41
7.732	17.18	18.07	18.34	18.66	19.11	19.09	19.13
7.469	16.13	16.95	17.2	17.52	17.88	17.87	17.95
7.017	15.61	16.39	16.65	17	17.34	17.32	17.43
6.715	14.78	15.41	15.66	16.03	16.29	16.28	16.45
6.376	14.2	14.71	14.96	15.37	15.56	15.6	15.77
6.225	13.93	14.39	14.65	15.06	15.22	15.3	15.46
6.035	13.36	13.67	13.92	14.36	14.47	14.6	14.73
5.846	12.93	13.13	13.38	13.85	13.99	14.09	14.19
5.356	10.91	10.43	11.23	11.45	11.53	11.33	11.38

Right Bank					Left Bank				
X-Sec	Levee Height	PNP Levee	PFP Levee	LFP Levee	X-sec	Levee Height	PFP Levee		
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)		Elevation (ft)	Elevation (ft)		
22.2	50	50	50	50					
22	46	46	46	46					
21.93	42	42	42	42					
21.6	40	40	40	40					
20.9	45.3	43.3	44.3	43.8					
20	44.8	42.8	43.8	43.3					
19.48	45	43	44	43.5					
18.57	43.2	42.2	43.2	42.7					
17.9	42	40	41	40.5					
17.56	41.6	39.6	40.6	40.1					
17.08	40.7	38.7	39.7	39.2					
16.82	41.1	39.1	40.1	39.6					
16.6	40.3	38.3	39.3	38.8					
16.3	39.9	37.9	38.9	38.4					
15.9	39.3	38.3	38.8	38.55					
15.1	37.7	36.7	37.2	36.95					
15	36.9	34.9	35.9	35.4					
14.6	36	34	35	34.5					
14	35.5	33.5	34.5	34					
13.8	35.4	33.4	34.4	33.9					
13.1	34.4	32.4	33.4	32.9					
12.96	34.5	34.5	34.5	34.5					
12.4	29.3	29.3	29.3	29.3					
11.7	30.3	29.3	30.3	29.8					
11.2	29.2	27.2	28.2	27.7					
10.6	28.3	26.3	27.3	26.8					
NFork									
885	25.3	23.3	24.3	23.8					
829	24.8	22.8	23.8	23.3					
810	24.7	23.7	24.2	23.95					
790	24.2	23.2	23.7	23.45					
733	22.6	21.6	22.1	21.85					
720	21.7	19.7	20.7	20.2					
660	20.1	18.1	19.1	18.6					
620	20.1	18.1	19.1	18.6					
580									
570									
550									
522									
475	12.4	9.4	10.4	9.9					
450	13.1	10.1	11.1	10.6					
SFork									
925	24.3	22.3	23.3	22.8					
875	25.6	23.6	24.6	24.1					
780	23.3	21.3	22.3	21.8					

Left Bank				
X-sec	Levee Height	PFP Levee		
	Elevation (ft)	Elevation (ft)		
17.56	42.2	41.7		
17.08	42	41.5		
16.82	40.1	39.6		
16.6	43.1	42.6		
16.3	39.3	38.8		
15.9	39.1	38.1		
15.1	37.8	36.8		
15	38.1	37.1		
14.6	34.9	33.9		
14	36.6	35.6		
13.8	35.8	34.8		
13.1	34.2	34.2		
12.96	34.5	34.5		
12.92	34.5	34.5		
12.4	29.3	29.3		
11.7	29	28		
11.2	28.9	27.9		
10.6	28.5	27.5		
NFork				
885	24.9	23.9		
829	23.8	22.8		
810	23.2	22.2		
790	24	23		
733	21.5	20.5		
720	20.5	19.5		
660	20.3	19.3		
620	19.4	18.4		
580	18	17		
570	16.6	15.6		
550	18	17		
522	15.8	14.8		
475	15.1	14.6		
450	14.5	13.5		
SFork				
925	27	26		
875	24.2	23.2		
780	23.1	22.1		
695	19.8	18.8		
630	19.3	18.3		
580	20.2	19.2		
525	17.9	16.9		
465	15	14		

695	21.2	19.2	20.2	19.7
630	19.6	17.6	18.6	18.1
580	18.8	16.8	17.8	17.3
525	16	13	14.5	13.75
465	13.4	11.4	12.4	11.9

	Point (50%)
PNP Levee	LFP Levee
Elevation	Elevation
(ft)	(ft)

40.7	41.2
40.5	41
38.6	39.1
41.6	42.1
37.8	38.3
37.1	37.6
35.8	36.3
36.1	36.6
32.9	33.4
34.6	35.1
33.8	34.3
34.2	34.2
34.5	34.5
34.5	34.5
29.3	29.3
27	27.5
26.9	27.4
26.5	27

22.9	23.4
21.8	22.3
21.2	21.7
22	22.5
19.5	20
18.5	19
18.3	18.8
17.4	17.9
16	16.5
14.6	15.1
16	16.5
13.8	14.3
13.1	13.85
12.5	13

25	25.5
22.2	22.7
21.1	21.6
17.8	18.3
17.3	17.8
18.2	18.7
15.9	16.4
13	13.5

North Fork

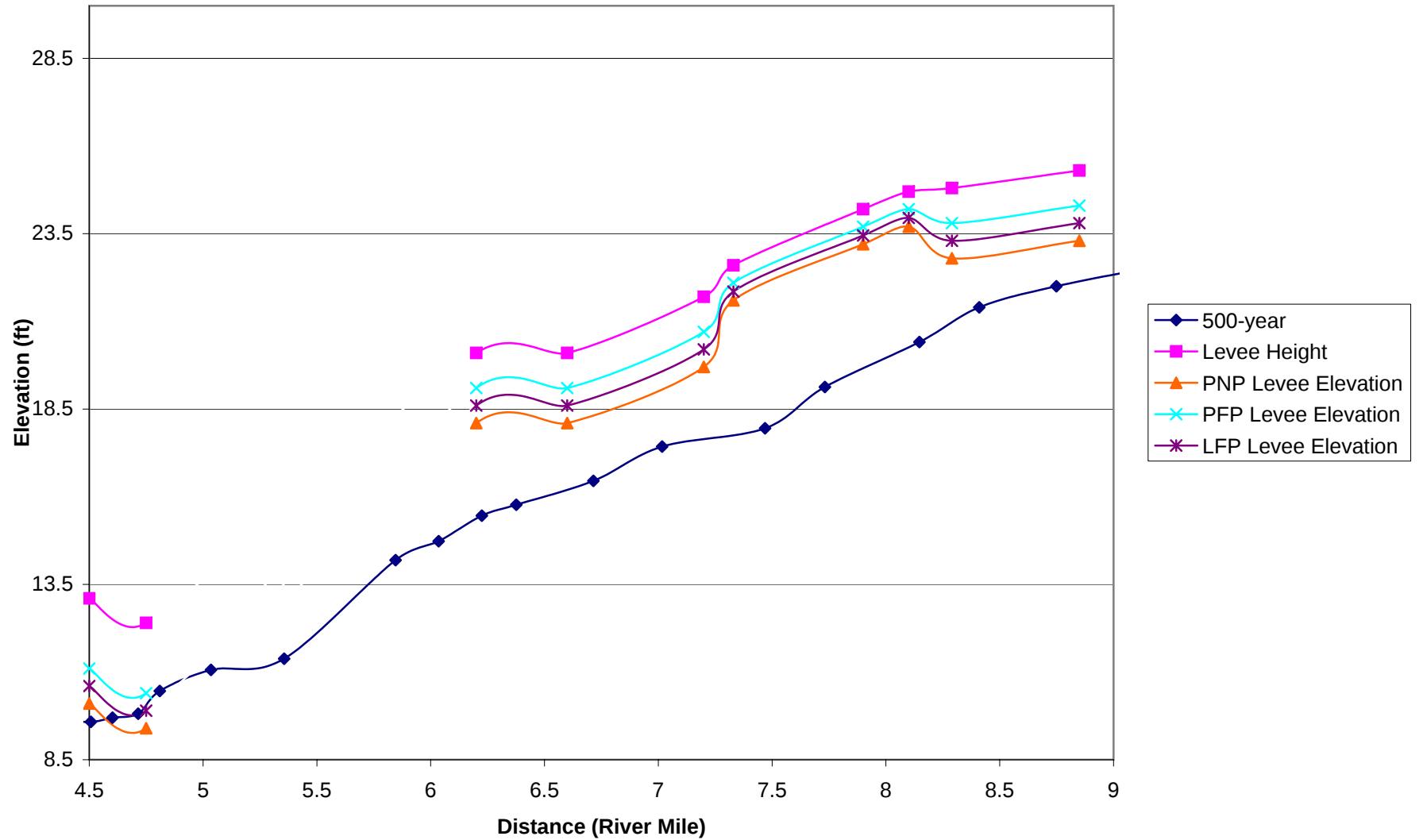
Skagit River

Water Surface Profiles

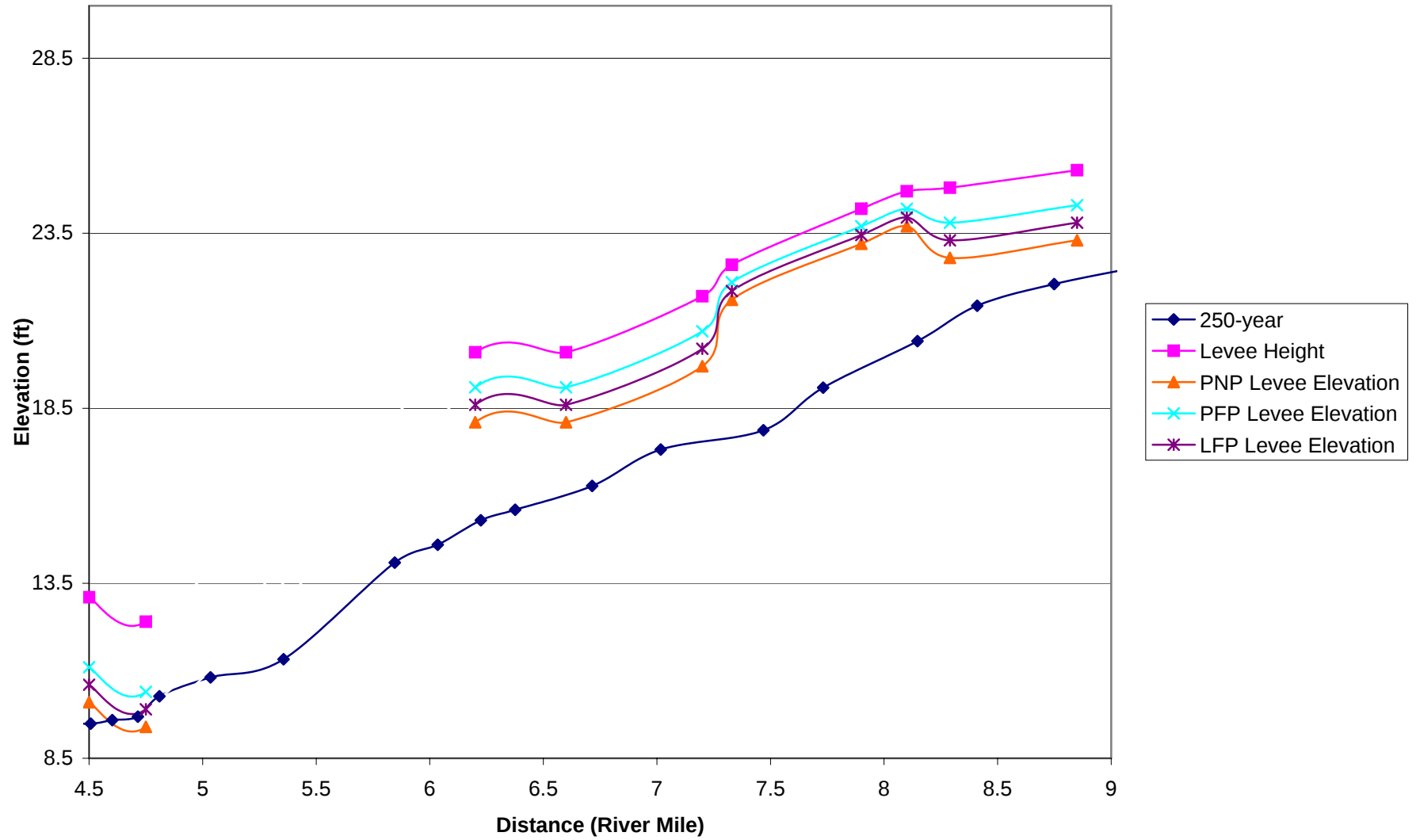
With

Levee Failure Points

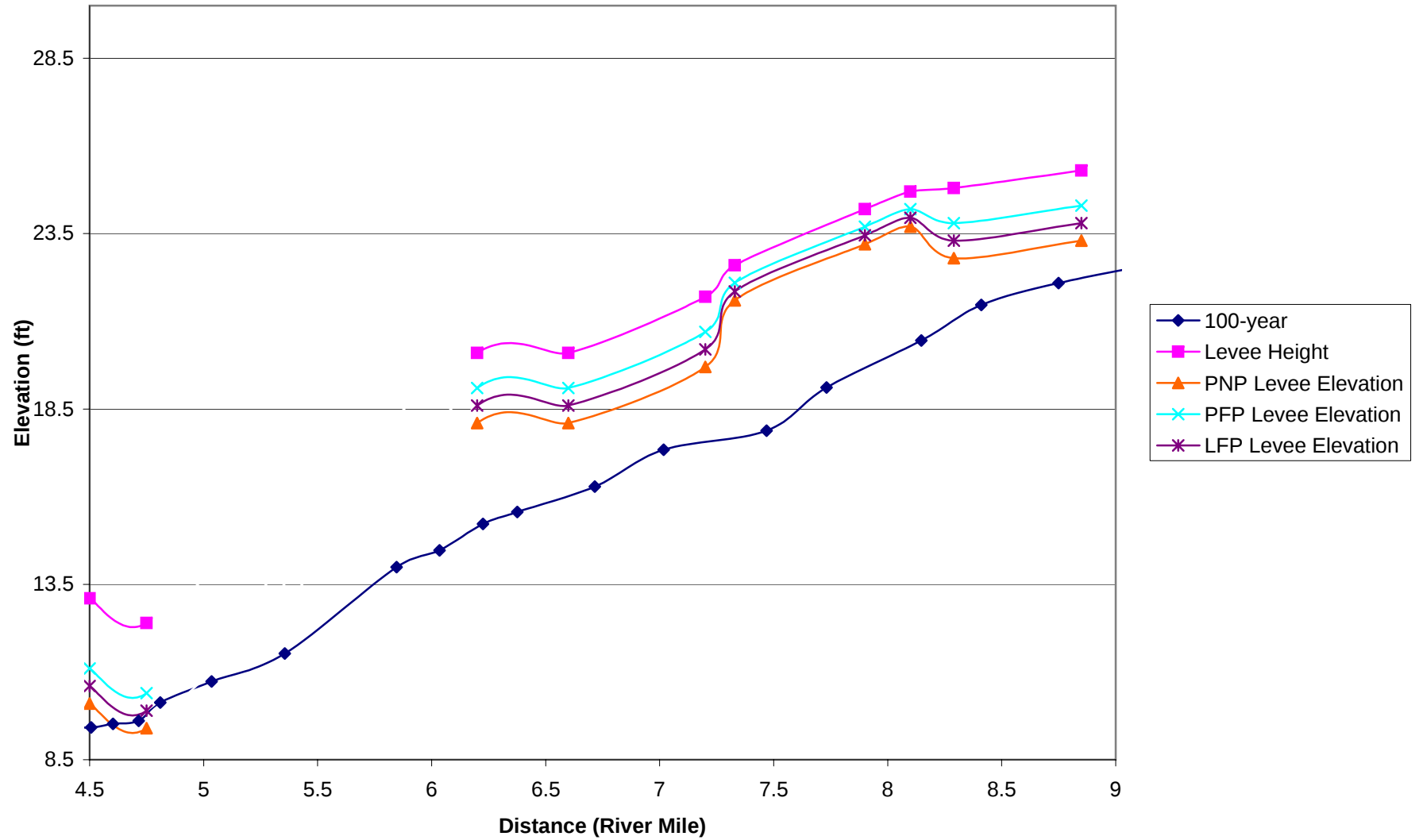
500-year WS vs. NF Right Bank Levee Heights



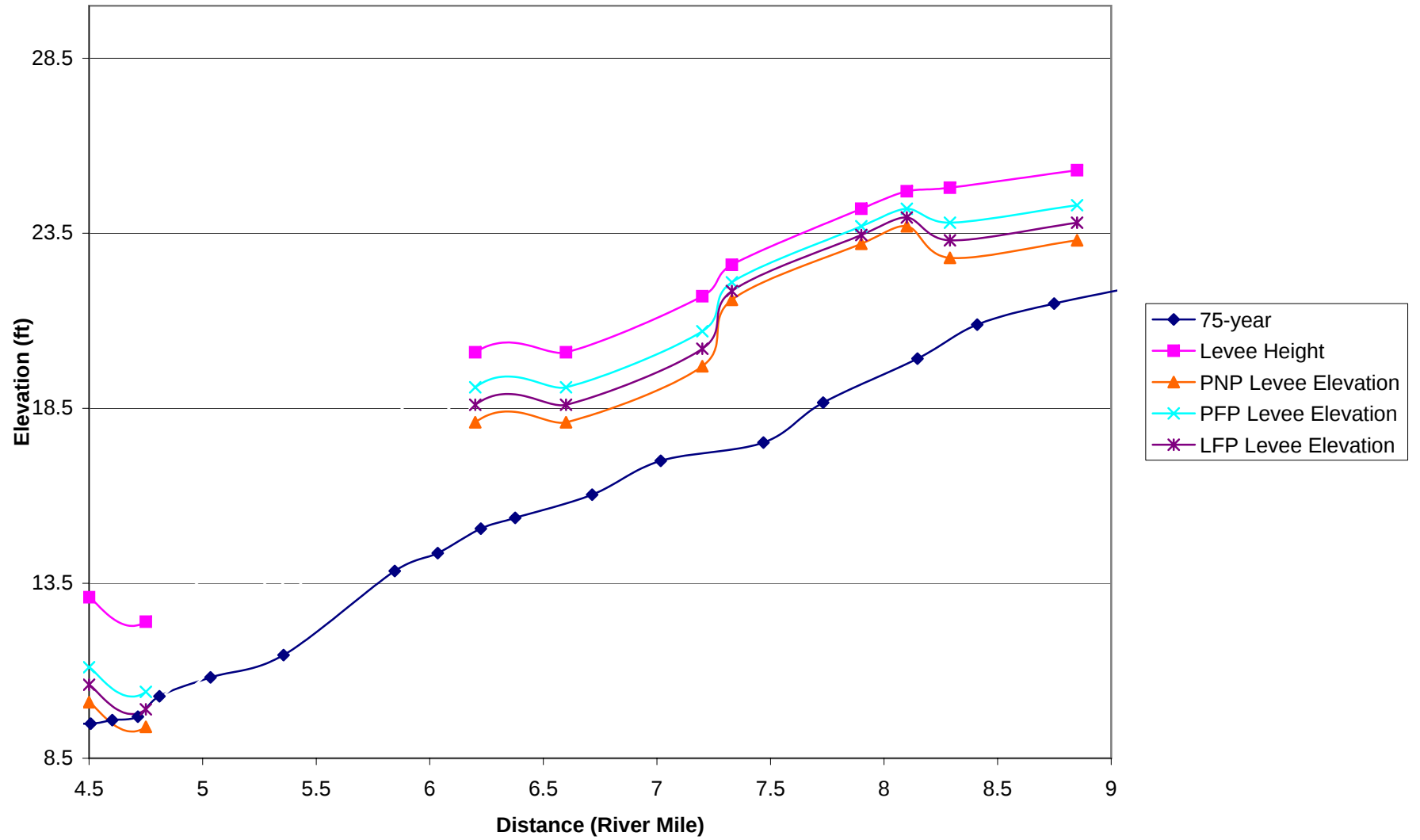
250-year WS vs. NF Right Bank Levee Heights



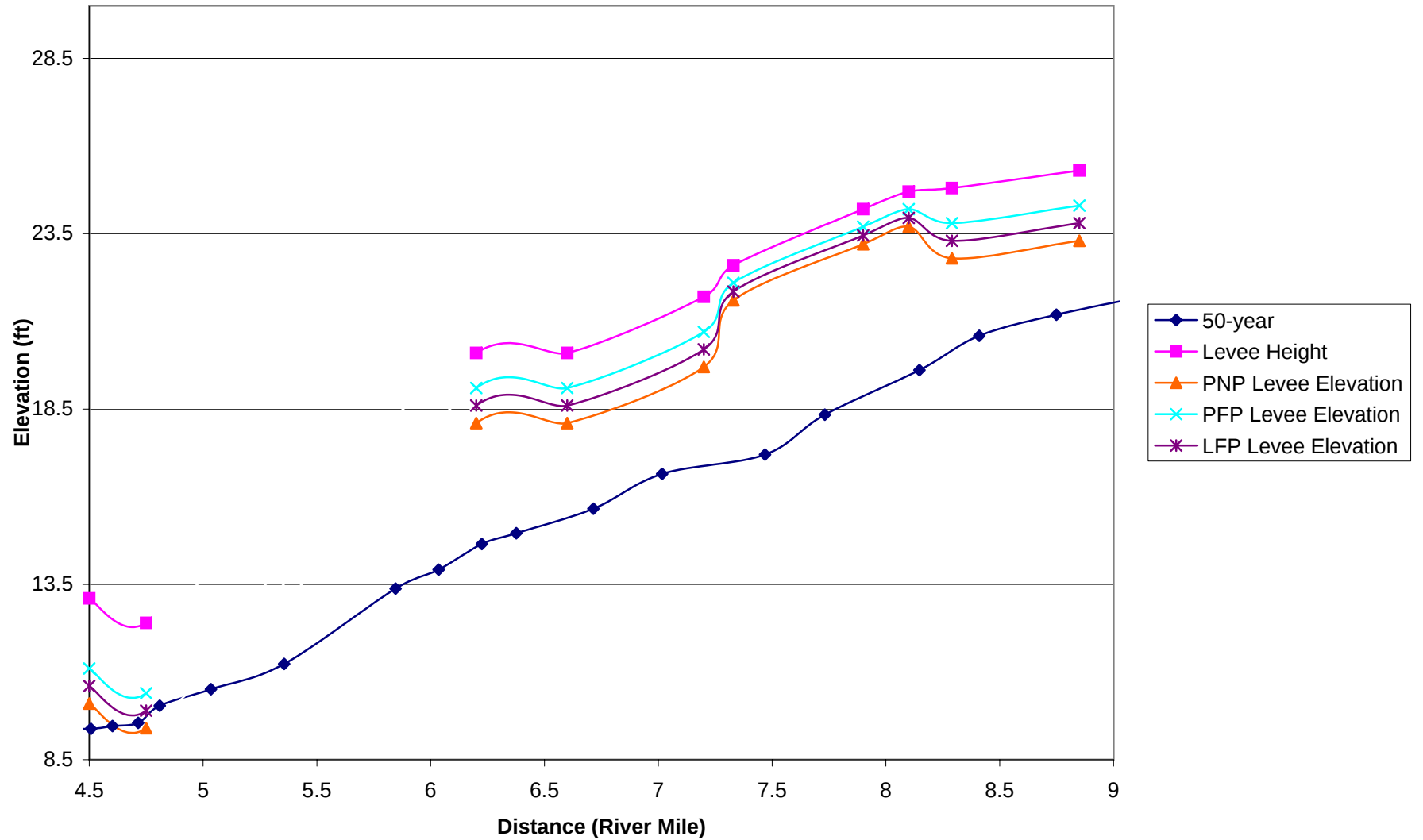
100-year WS vs. NF Right Bank Levee Heights



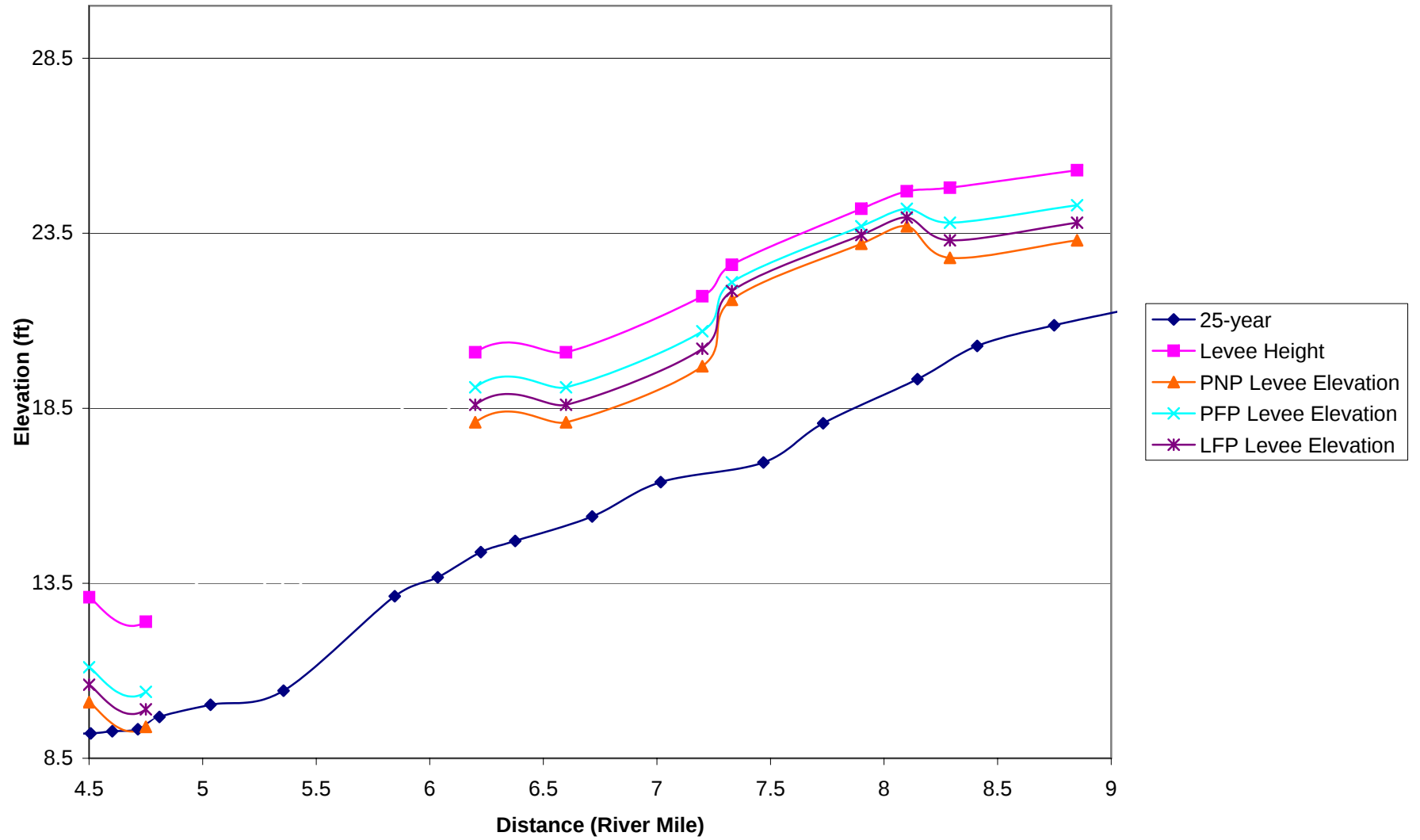
75-year WS vs. NF Right Bank Levee Heights



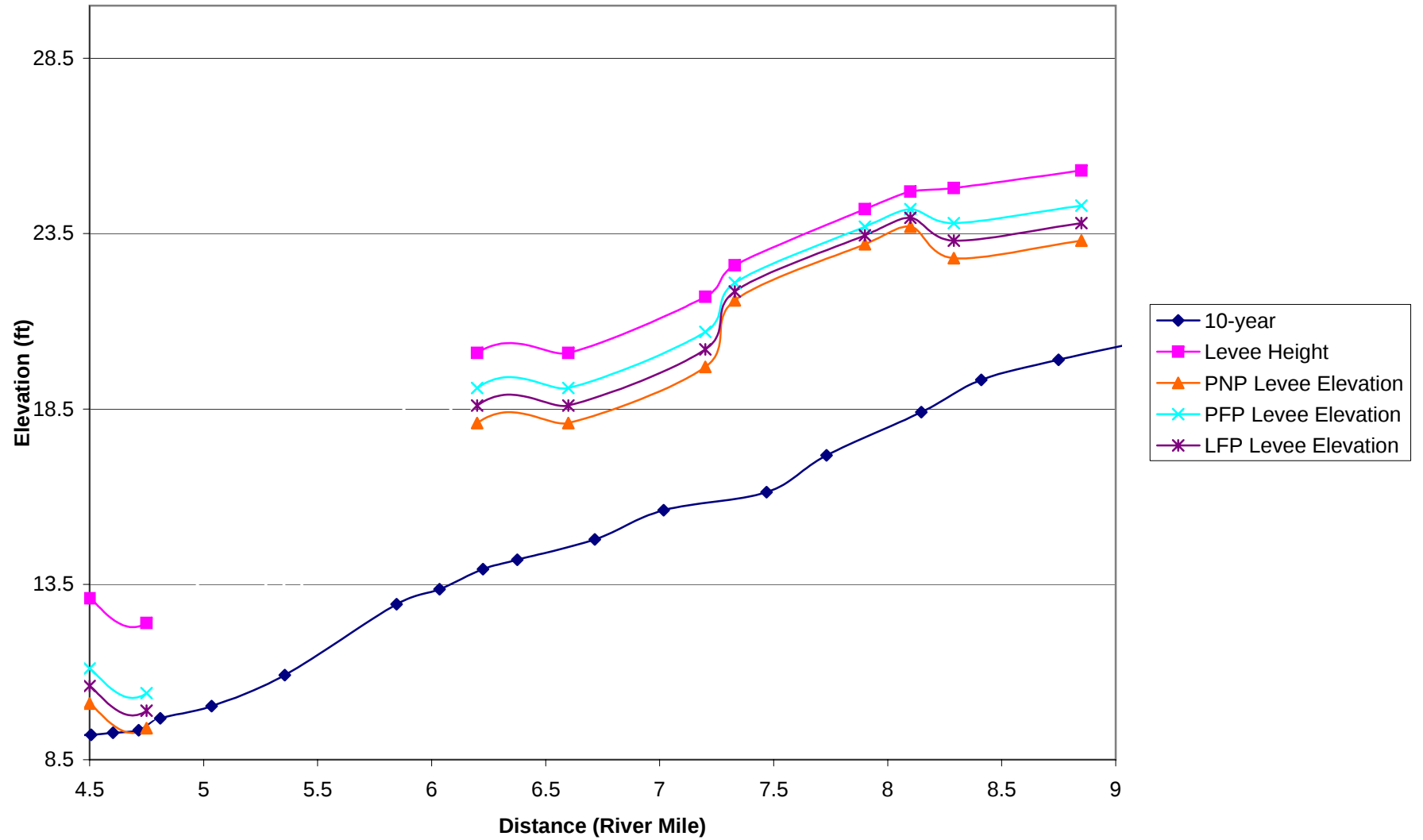
50-year WS vs. NF Right Bank Levee Heights



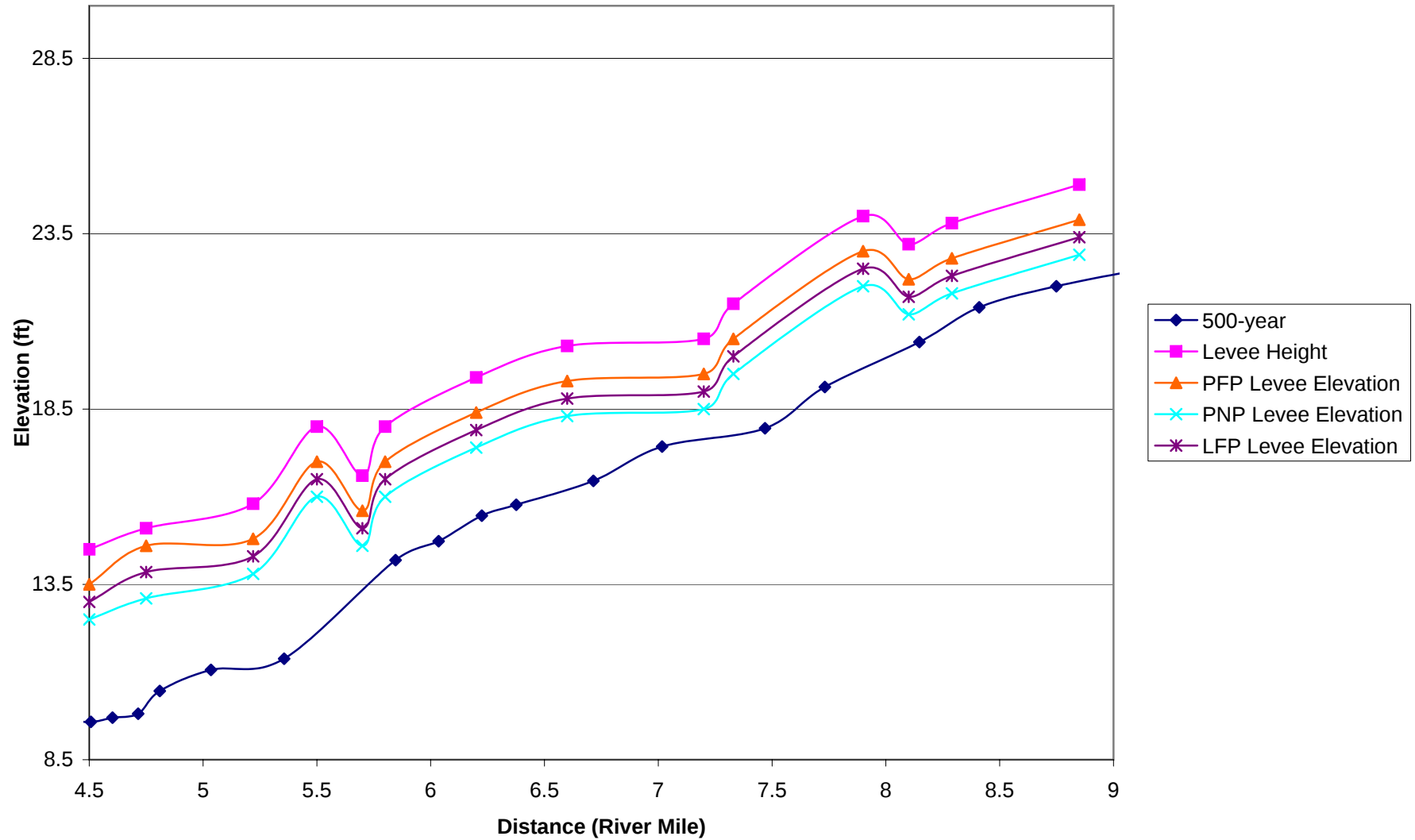
25-year WS vs. NF Right Bank Levee Heights



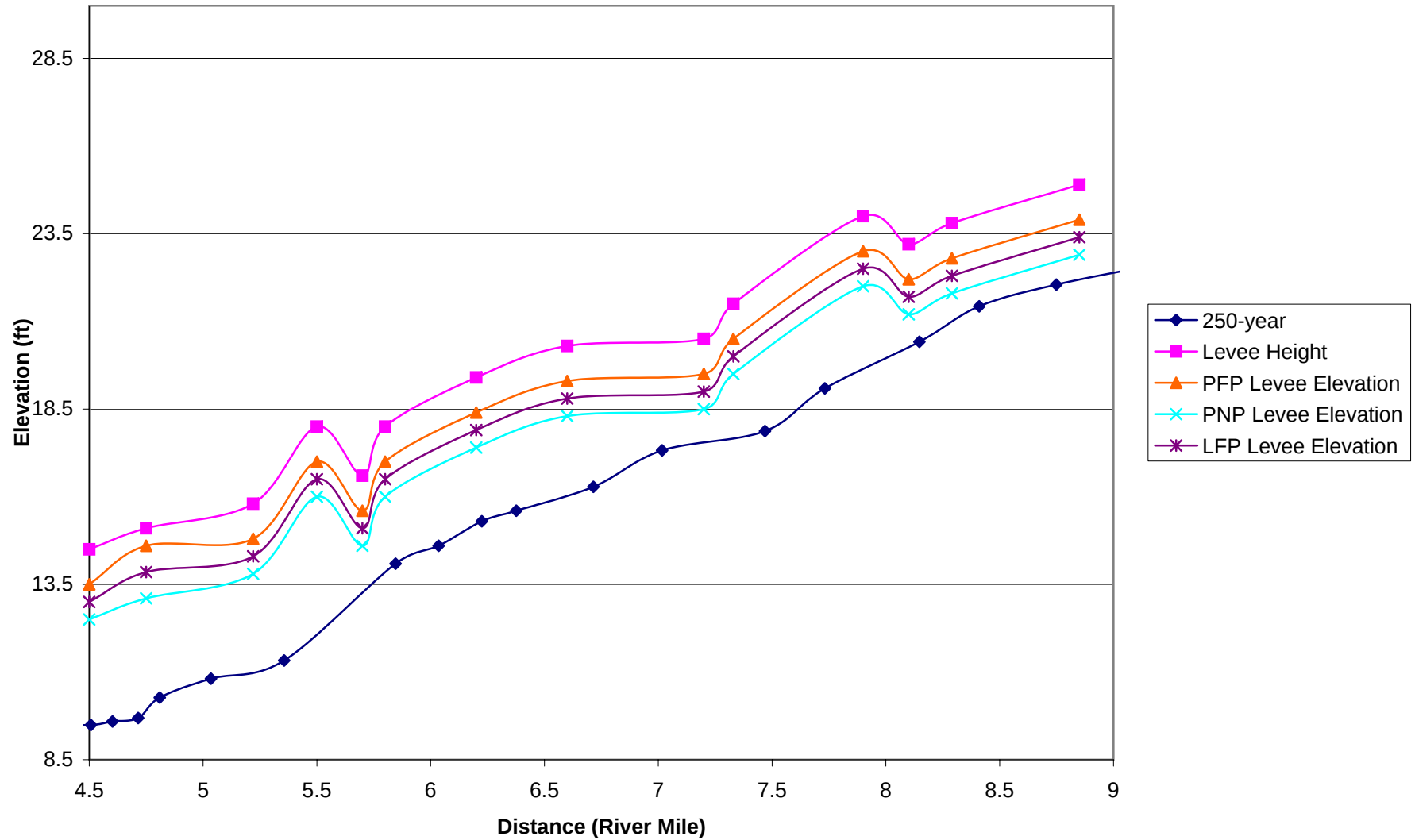
10-year WS vs. NF Right Bank Levee Heights



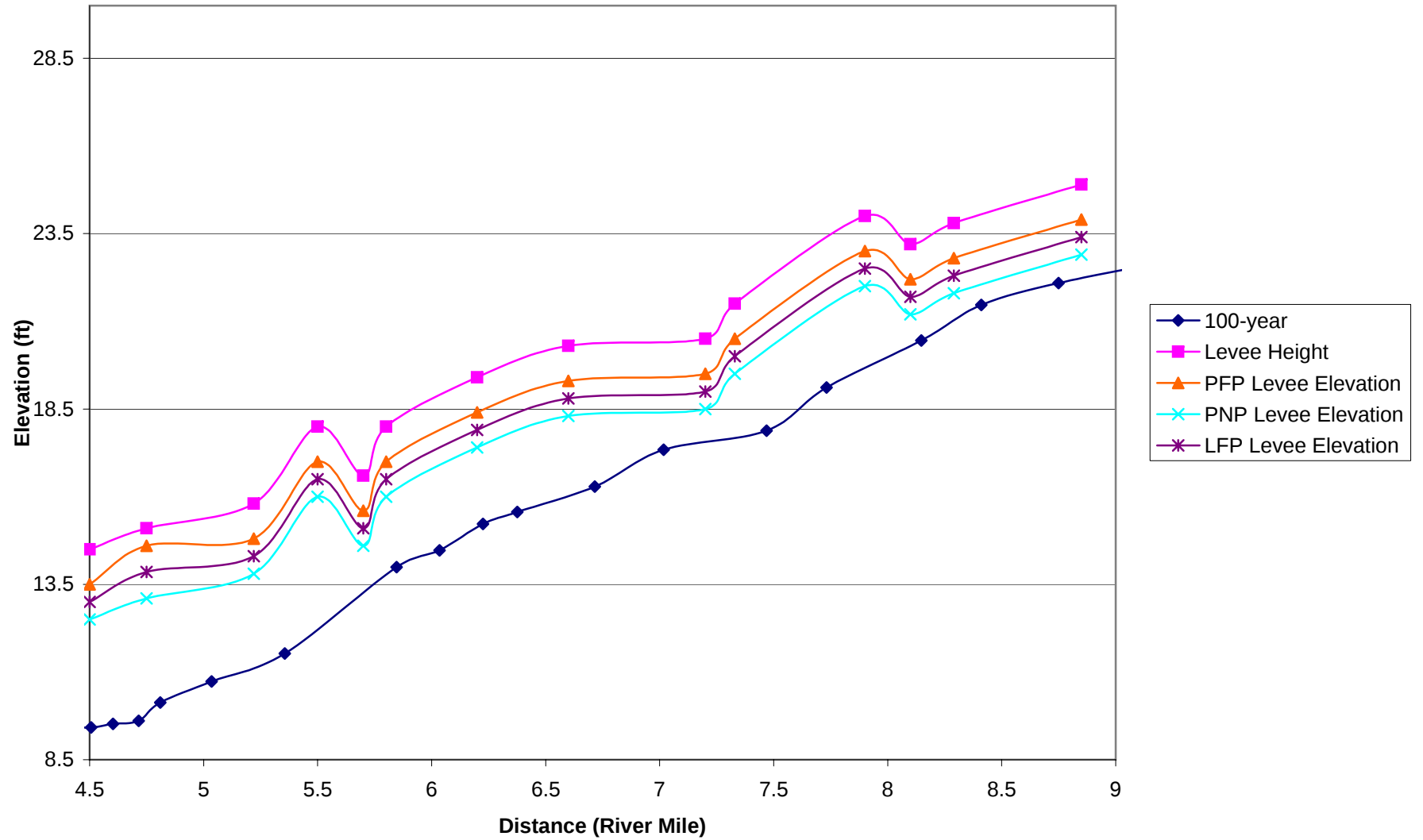
500-year WS vs. NF Left Bank Levee Heights



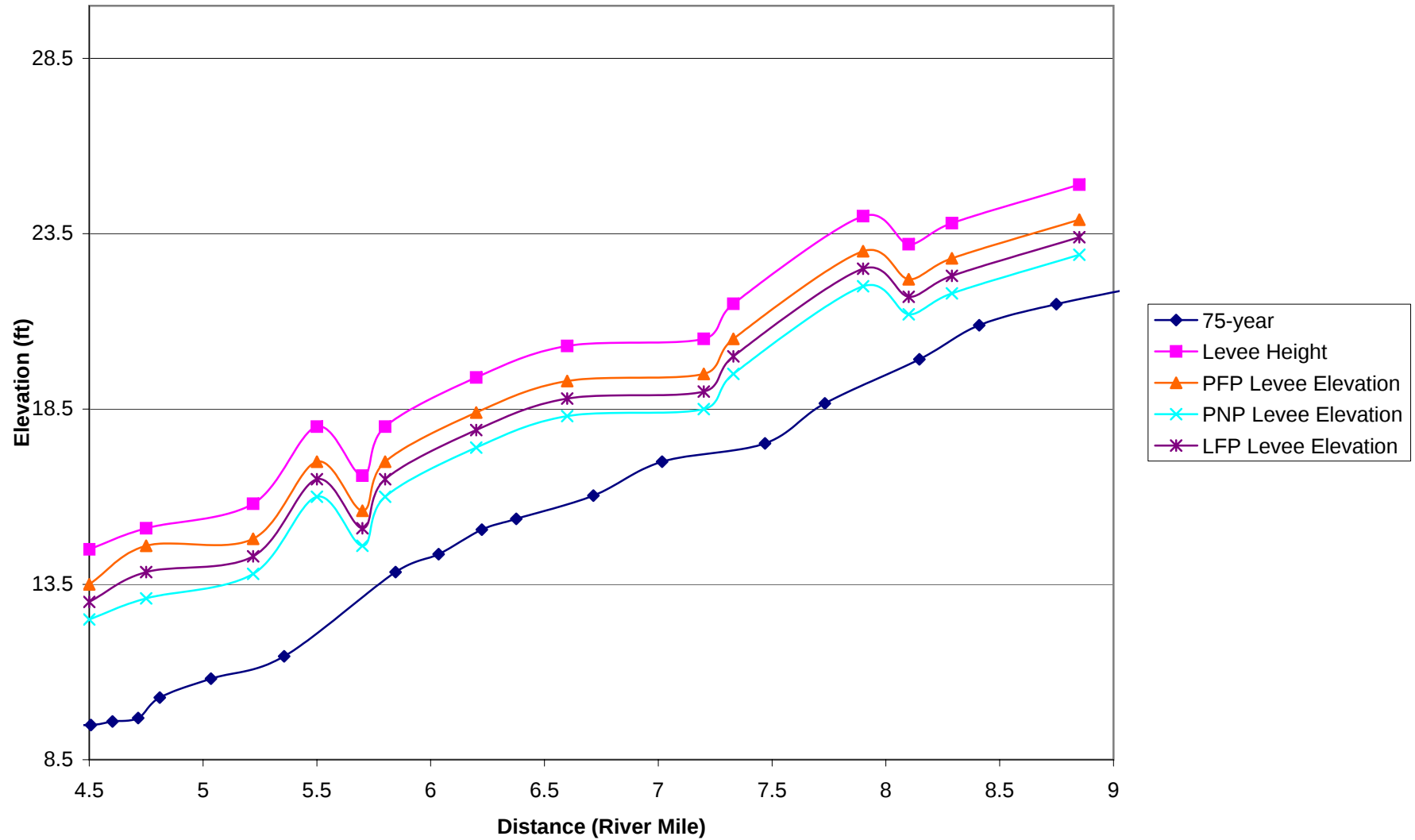
250-year WS vs. NF Left Bank Levee Heights



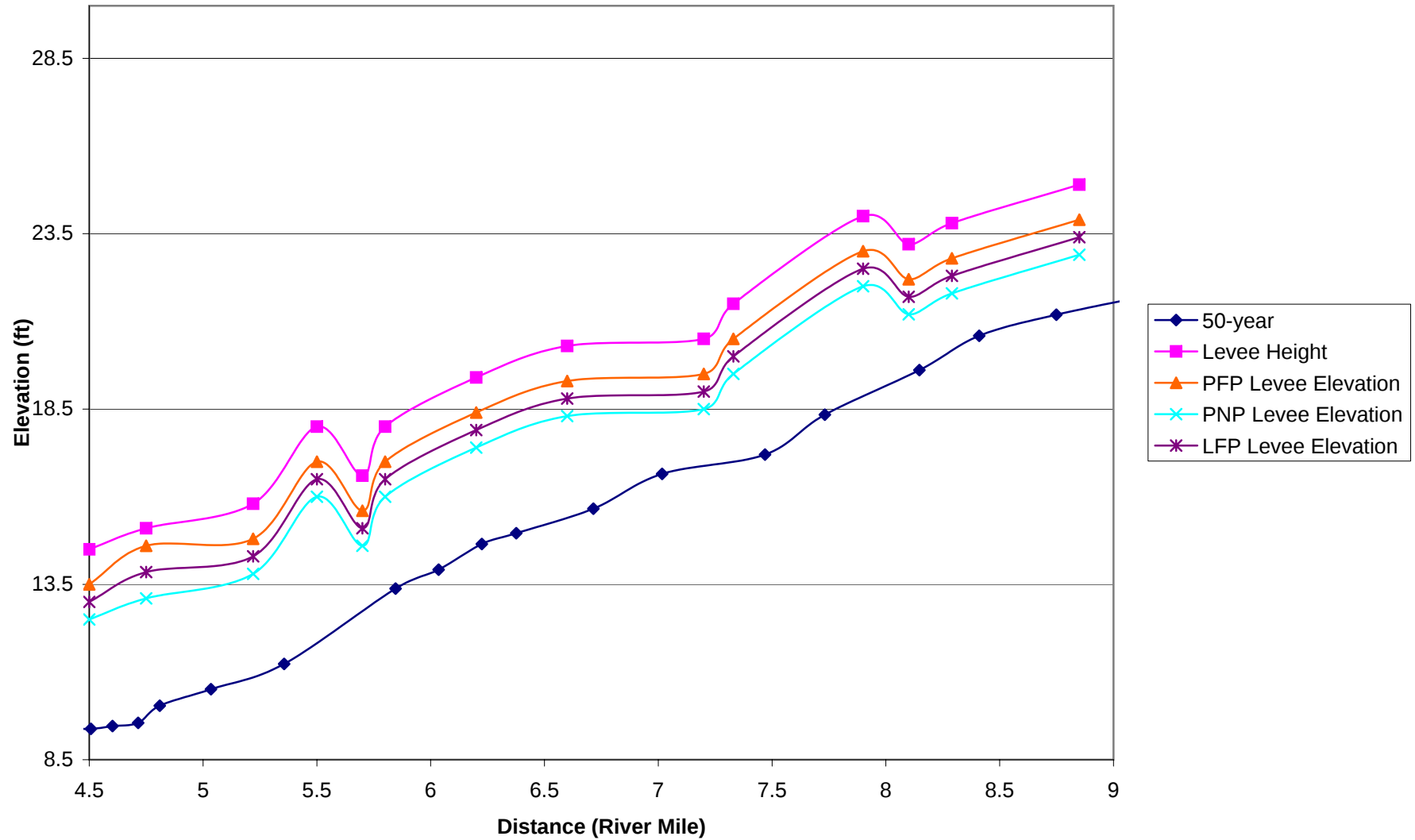
100-year WS vs. NF Left Bank Levee Heights



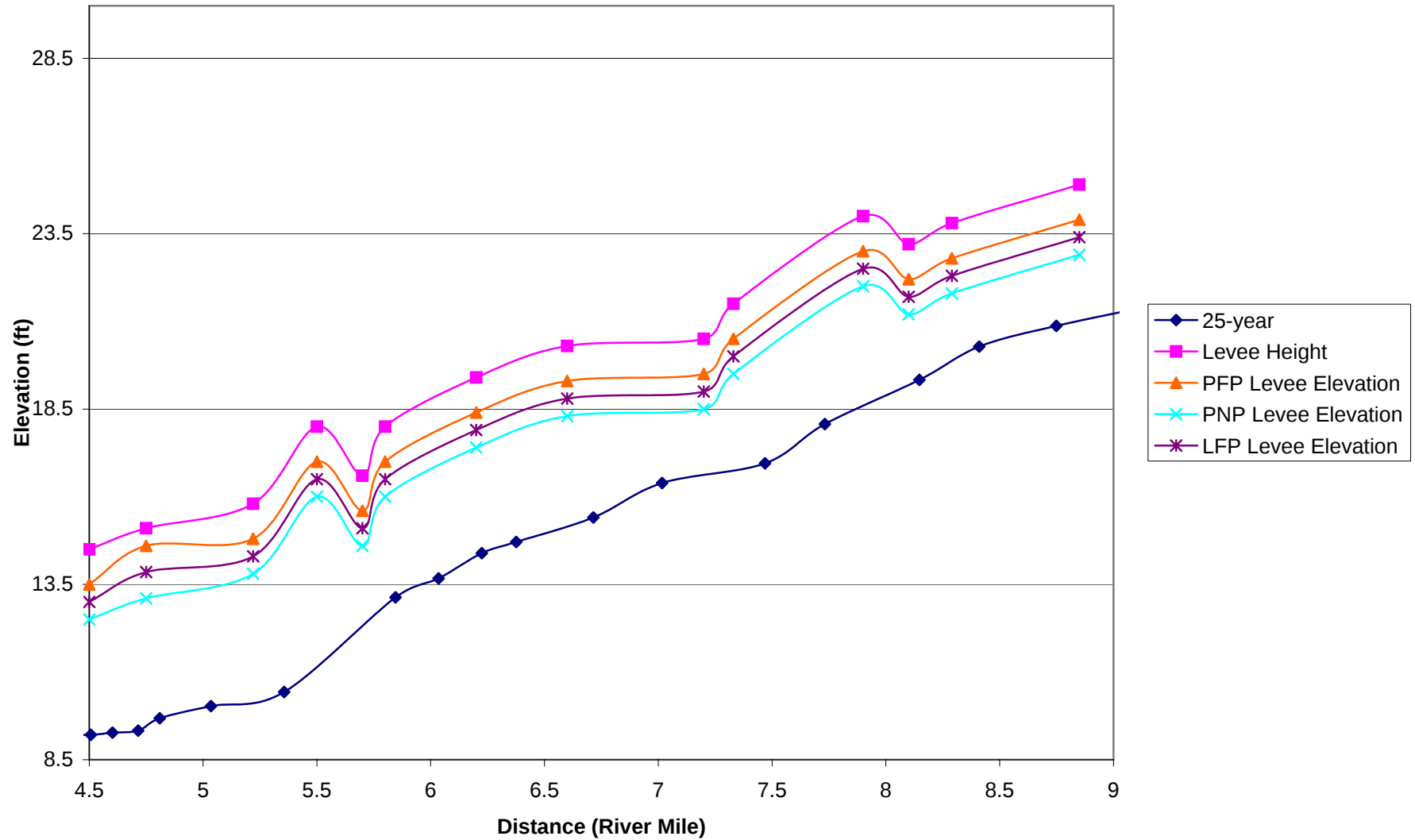
75-year WS vs. NF Left Bank Levee Heights



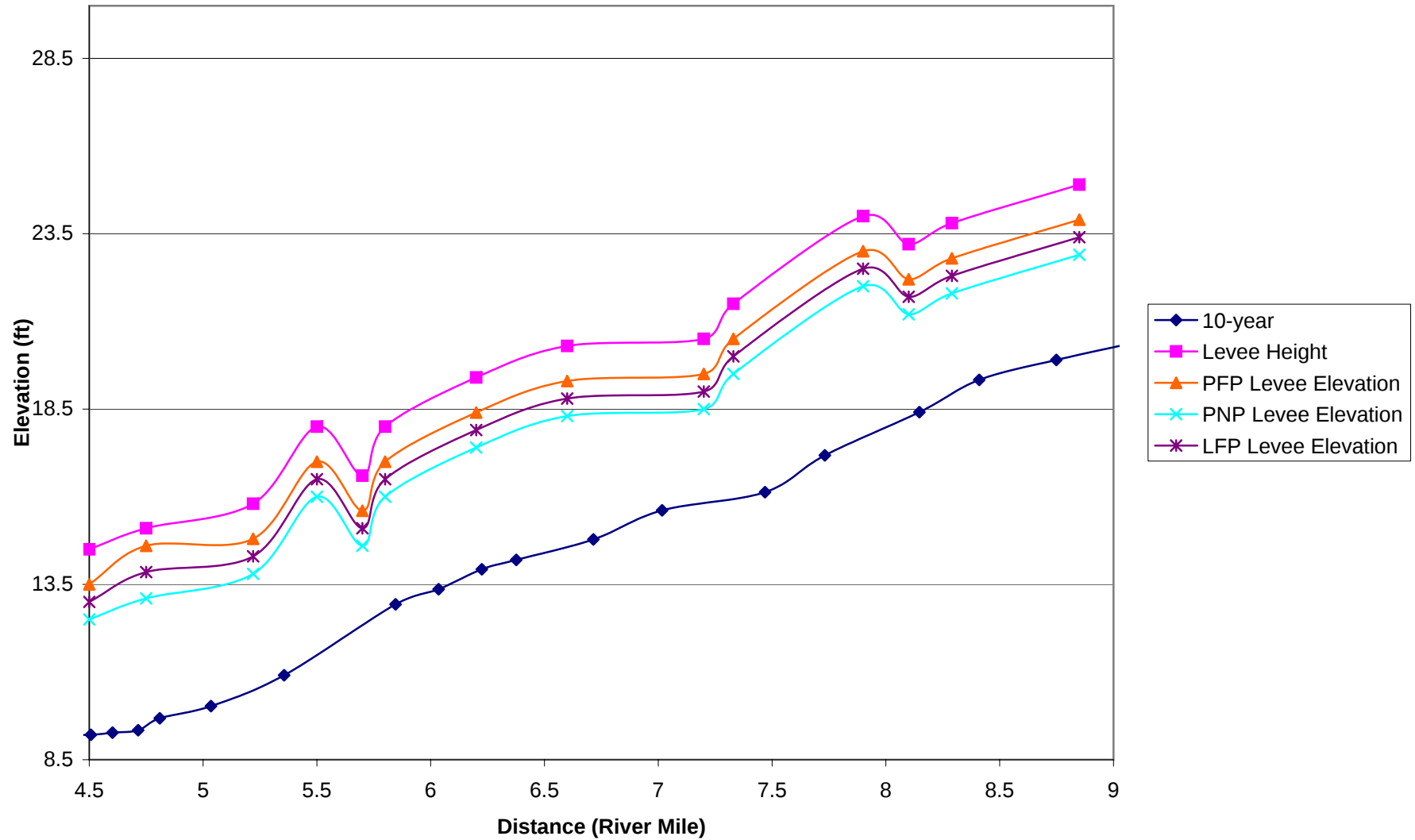
50-year WS vs. NF Left Bank Levee Heights



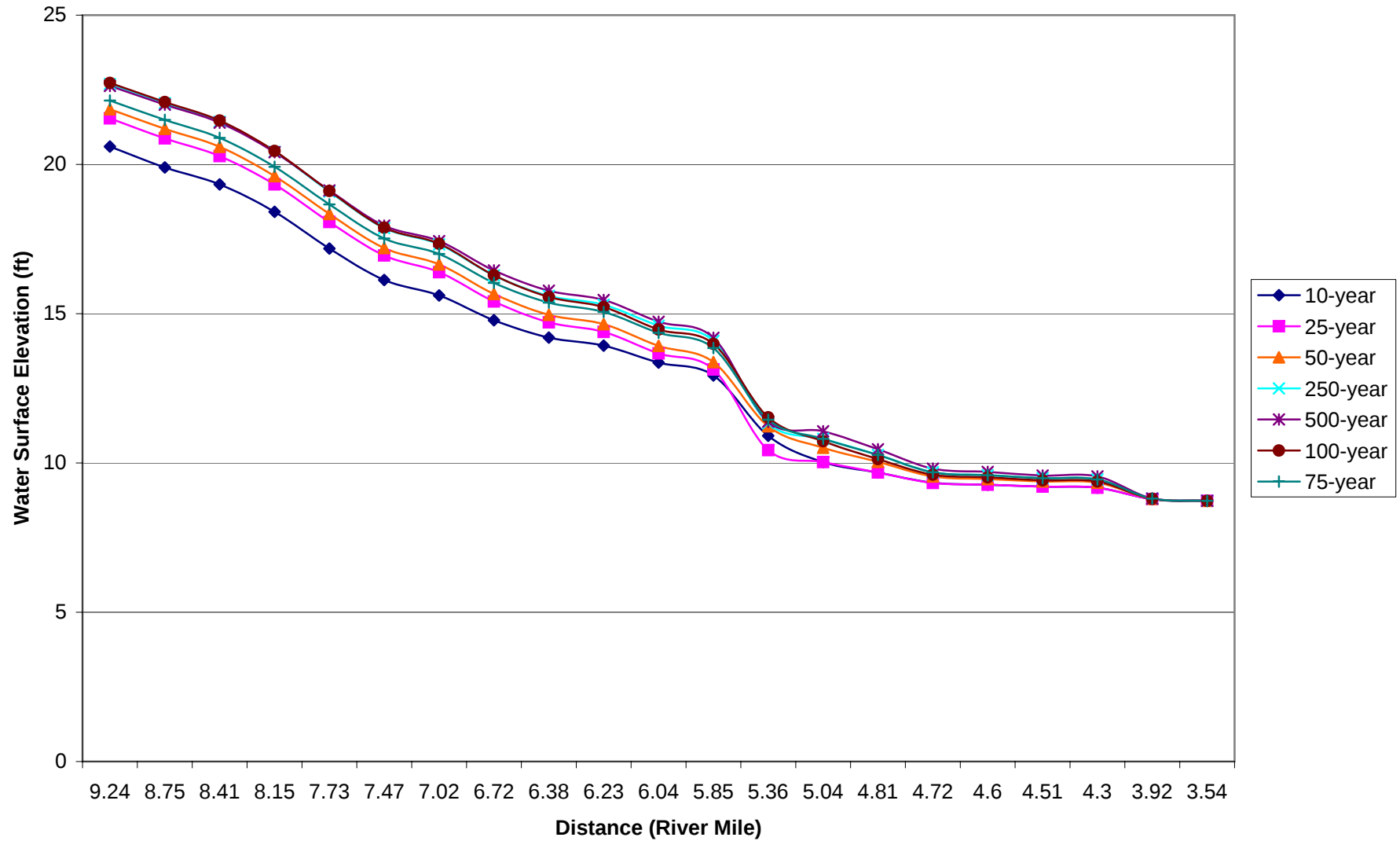
25-year WS vs. NF Left Bank Levee Heights



10-year WS vs. NF Left Bank Levee Heights



North Fork Mainstem Water Surface Profiles



X-sec	10-year	25-year	50-year	75-year	100-year	250-year	500-year
55.35	174.66	177.88	181.33	183.03	184.17	188.05	191.77
55.233	174	177.31	180.83	182.54	183.7	187.62	191.38
55.117	173.26	176.66	180.25	181.99	183.16	187.12	190.92
55	172.42	175.88	179.57	181.35	182.54	186.55	190.38
54.883	171.55	174.96	178.76	180.59	181.78	185.88	189.76
54.767	170.72	173.94	177.76	179.61	180.87	185.08	189.03
54.65	169.96	172.9	176.5	178.39	179.69	184.05	188.15
54.513	169.47	172.44	175.97	177.85	179.19	183.62	187.72
54.375	169.01	171.95	175.48	177.37	178.68	183.06	187.13
54.238	168.41	171.26	174.67	176.49	177.75	181.97	185.89
54.1	166.63	168.94	171.55	172.85	173.71	176.15	177.98
53.988	167.04	169.56	172.53	174.08	175.14	178.48	181.36
53.875	167	169.57	172.62	174.23	175.34	178.9	181.97
53.763	166.76	169.36	172.43	174.06	175.18	178.83	182
53.65	166.29	168.92	172.05	173.7	174.83	178.49	181.73
53.533	165.44	168.04	171.11	172.73	173.86	177.52	180.78
53.417	164.48	167	169.98	171.53	172.62	176.27	179.6
53.3	163.38	165.78	168.59	170.04	171.04	174.48	177.91
53.183	162.63	165.02	167.85	169.34	170.37	173.76	176.97
53.067	161.76	164.09	166.88	168.34	169.37	172.78	175.93
52.95	160.72	162.99	165.67	167.05	168.06	171.39	174.53
52.85	159.95	162.18	164.85	166.24	167.23	170.52	173.65
52.75	159.25	161.44	164.03	165.4	166.37	169.59	172.69
52.65	158.48	160.58	163.07	164.38	165.29	168.38	171.35
52.55	157.33	159.24	161.48	162.65	163.45	166.06	168.42
52.4	156.88	158.74	160.96	162.12	162.97	165.78	168.47
52.3	156.66	158.55	160.8	162	162.84	165.69	168.39
52.2	156.36	158.25	160.51	161.7	162.55	165.38	168.1
52.1	156.02	157.9	160.15	161.35	162.19	165.02	167.73
52	155.64	157.52	159.76	160.94	161.78	164.61	167.32
51.9	155.2	157.06	159.3	160.48	161.33	164.15	166.86
51.8	154.64	156.51	158.76	159.95	160.8	163.63	166.35
51.66	154.07	155.96	158.22	159.42	160.26	163.1	165.83
51.52	153.52	155.45	157.73	158.93	159.78	162.62	165.35
51.38	153.02	154.99	157.29	158.49	159.34	162.2	164.93
51.24	152.57	154.57	156.9	158.1	158.96	161.82	164.56
51.1	152.17	154.21	156.55	157.76	158.62	161.5	164.24
51.007	151.82	153.88	156.23	157.45	158.31	161.18	163.92
50.914	151.46	153.53	155.89	157.11	157.98	160.85	163.58
50.821	151.08	153.17	155.53	156.76	157.62	160.49	163.22
50.729	150.69	152.78	155.15	156.38	157.24	160.1	162.83
50.636	150.25	152.36	154.73	155.95	156.81	159.67	162.39
50.543	149.77	151.88	154.26	155.47	156.34	159.19	161.89
50.45	149.22	151.32	153.7	154.91	155.78	158.63	161.33
50.35	148.74	150.85	153.22	154.44	155.3	158.14	160.82
50.25	148.27	150.37	152.73	153.95	154.8	157.63	160.3
50.15	147.8	149.89	152.22	153.44	154.29	157.11	159.76
50.05	147.33	149.4	151.71	152.91	153.77	156.56	159.19

49.96	146.95	149.01	151.3	152.5	153.34	156.11	158.72
49.87	146.53	148.57	150.85	152.03	152.87	155.61	158.19
49.78	146.06	148.04	150.31	151.48	152.32	155.04	157.59
49.69	145.45	147.41	149.63	150.82	151.65	154.35	156.89
49.6	144.57	146.5	148.72	149.92	150.74	153.46	156
49.5	143.95	145.89	148.17	149.37	150.21	152.89	155.39
49.4	143.35	145.36	147.64	148.81	149.65	152.31	154.8
49.3	142.78	144.78	147.05	148.22	149.05	151.74	154.23
49.2	142.09	144.1	146.4	147.62	148.46	151.19	153.7
49.075	141.43	143.44	145.73	146.96	147.8	150.52	153.02
48.95	140.78	142.79	145.09	146.31	147.16	149.87	152.36
48.825	140.16	142.16	144.47	145.69	146.54	149.25	151.73
48.7	139.55	141.55	143.87	145.08	145.95	148.64	151.12
48.575	138.96	140.97	143.29	144.51	145.37	148.06	150.53
48.45	138.39	140.41	142.74	143.95	144.81	147.51	149.98
48.338	137.89	139.93	142.27	143.49	144.35	147.06	149.52
48.225	137.41	139.46	141.81	143.03	143.89	146.61	149.08
48.113	136.93	138.99	141.36	142.59	143.45	146.17	148.65
48	136.47	138.54	140.92	142.15	143.01	145.75	148.23
47.888	136.03	138.1	140.49	141.73	142.59	145.34	147.83
47.775	135.59	137.67	140.07	141.31	142.17	144.94	147.44
47.663	135.18	137.26	139.66	140.91	141.78	144.56	147.07
47.55	134.77	136.85	139.27	140.52	141.39	144.19	146.71
47.41	134.21	136.28	138.7	139.97	140.85	143.65	146.17
47.27	133.59	135.64	138.02	139.3	140.19	142.97	145.51
47.13	132.92	134.93	137.27	138.51	139.36	142.2	144.68
46.99	132.15	134.12	136.41	137.61	138.45	141.21	143.71
46.85	131.29	133.19	135.39	136.54	137.34	139.93	142.4
46.744	130.69	132.57	134.73	135.85	136.62	139.15	141.67
46.639	130.13	131.95	134.06	135.14	135.92	138.44	140.96
46.533	129.56	131.33	133.39	134.47	135.23	137.78	140.28
46.428	128.98	130.72	132.73	133.8	134.55	137.12	139.61
46.322	128.4	130.1	132.1	133.14	133.89	136.48	138.98
46.217	127.81	129.49	131.48	132.52	133.3	135.87	138.39
46.111	127.24	128.89	130.87	131.95	132.72	135.28	137.82
46.006	126.67	128.33	130.33	131.4	132.17	134.73	137.26
45.9	126.11	127.79	129.8	130.88	131.64	134.19	136.69
45.8	125.58	127.27	129.31	130.39	131.16	133.74	136.27
45.7	125.07	126.78	128.84	129.94	130.71	133.33	135.88
45.6	124.57	126.31	128.39	129.51	130.3	132.95	135.53
45.5	124.1	125.86	127.98	129.11	129.92	132.6	135.22
45.4	123.64	125.44	127.6	128.75	129.57	132.29	134.94
45.3	123.21	125.05	127.25	128.42	129.26	132.02	134.7
45.2	122.81	124.68	126.93	128.14	128.98	131.78	134.48
45.1	122.29	124.2	126.5	127.72	128.58	131.4	134.12
45	121.71	123.68	126.01	127.26	128.13	130.99	133.71
44.9	121.07	123.11	125.49	126.76	127.65	130.55	133.26
44.8	120.4	122.49	124.92	126.2	127.11	130.06	132.79
44.7	119.68	121.79	124.29	125.6	126.51	129.5	132.3
44.6	118.87	121.03	123.59	124.93	125.87	128.9	131.73
44.5	118.02	120.21	122.82	124.17	125.14	128.22	131.1

44.38	117.36	119.49	122.07	123.43	124.4	127.5	130.39
44.26	116.71	118.77	121.31	122.66	123.61	126.71	129.61
44.14	116.07	118.07	120.53	121.87	122.8	125.84	128.7
44.02	115.44	117.4	119.78	121.06	121.95	124.85	127.59
43.9	114.79	116.73	119.04	120.25	121.08	123.73	126.15
43.793	114.21	116.12	118.4	119.59	120.41	123.02	125.43
43.686	113.64	115.53	117.78	118.95	119.76	122.35	124.75
43.579	113.1	114.97	117.19	118.34	119.14	121.72	124.11
43.471	112.58	114.43	116.62	117.77	118.56	121.13	123.54
43.364	112.09	113.92	116.09	117.23	118.03	120.61	123.02
43.257	111.64	113.45	115.61	116.74	117.54	120.13	122.54
43.15	111.21	113	115.16	116.31	117.11	119.7	122.12
43.057	110.7	112.46	114.57	115.7	116.5	119.05	121.43
42.964	110.17	111.9	113.97	115.07	115.85	118.37	120.71
42.871	109.61	111.31	113.33	114.41	115.16	117.63	119.93
42.779	109.01	110.68	112.66	113.71	114.44	116.84	119.08
42.686	108.38	110.01	111.94	112.95	113.67	115.99	118.16
42.593	107.69	109.27	111.15	112.14	112.81	115.01	117.1
42.5	106.9	108.44	110.26	111.2	111.86	113.93	115.87
42.383	106.36	107.88	109.7	110.64	111.29	113.37	115.31
42.267	105.83	107.33	109.13	110.07	110.72	112.79	114.72
42.15	105.3	106.79	108.57	109.51	110.16	112.21	114.12
42.033	104.8	106.26	108.02	108.97	109.61	111.64	113.55
41.917	104.3	105.74	107.49	108.43	109.07	111.09	112.98
41.8	103.81	105.24	106.97	107.9	108.54	110.55	112.43
41.683	103.34	104.76	106.47	107.38	108.02	110.02	111.89
41.567	102.87	104.29	105.98	106.87	107.52	109.5	111.36
41.45	102.42	103.82	105.5	106.38	107.02	109	110.85
41.333	101.99	103.38	105.03	105.91	106.53	108.5	110.35
41.217	101.56	102.94	104.58	105.45	106.06	108.02	109.87
41.1	101.14	102.51	104.14	105	105.6	107.55	109.41
41	100.72	102.08	103.69	104.54	105.13	107.09	108.95
40.9	100.3	101.65	103.25	104.09	104.68	106.64	108.49
40.8	99.89	101.22	102.81	103.63	104.24	106.18	108.03
40.7	99.48	100.79	102.36	103.19	103.79	105.73	107.56
40.6	99.07	100.37	101.92	102.75	103.34	105.27	107.09
40.5	98.67	99.95	101.48	102.3	102.89	104.81	106.62
40.4	98.26	99.53	101.04	101.86	102.44	104.33	106.13
40.3	97.85	99.1	100.6	101.4	101.98	103.85	105.63
40.2	97.45	98.66	100.15	100.94	101.51	103.36	105.12
40.1	97.04	98.22	99.69	100.47	101.04	102.86	104.59
40	96.62	97.78	99.21	99.98	100.54	102.33	104.04
39.9	96.19	97.33	98.72	99.48	100.02	101.78	103.45
39.8	95.75	96.86	98.21	98.95	99.47	101.19	102.83
39.7	95.37	96.46	97.79	98.51	99.02	100.71	102.33
39.6	95	96.06	97.36	98.07	98.58	100.25	101.84
39.5	94.63	95.66	96.94	97.63	98.14	99.78	101.37
39.4	94.24	95.25	96.51	97.2	97.7	99.32	100.9
39.3	93.83	94.83	96.07	96.75	97.25	98.86	100.43
39.2	93.39	94.38	95.61	96.29	96.79	98.39	99.95
39.1	92.91	93.88	95.12	95.8	96.3	97.91	99.47

39	92.34	93.33	94.59	95.26	95.77	97.4	98.98
38.915	91.89	92.88	94.16	94.85	95.36	97	98.6
38.83	91.42	92.44	93.74	94.43	94.94	96.6	98.21
38.745	90.95	91.98	93.3	94	94.52	96.2	97.81
38.66	90.46	91.52	92.86	93.57	94.09	95.79	97.41
38.575	89.95	91.05	92.41	93.12	93.65	95.37	97.01
38.49	89.44	90.56	91.94	92.67	93.2	94.94	96.59
38.405	88.91	90.06	91.47	92.21	92.75	94.51	96.17
38.32	88.36	89.54	90.97	91.73	92.28	94.06	95.74
38.235	87.77	88.99	90.46	91.24	91.8	93.6	95.3
38.15	87.13	88.41	89.93	90.73	91.3	93.13	94.85
38.034	86.76	88.04	89.56	90.34	90.91	92.74	94.43
37.919	86.44	87.72	89.22	90	90.55	92.35	94.03
37.803	86.17	87.42	88.89	89.65	90.19	91.96	93.63
37.687	85.88	87.1	88.52	89.27	89.81	91.56	93.23
37.571	85.55	86.72	88.12	88.85	89.39	91.14	92.82
37.456	85.08	86.25	87.65	88.38	88.91	90.71	92.43
37.34	84.32	85.54	87	87.81	88.38	90.27	92.03
37.212	84.41	85.56	86.94	87.69	88.23	90.04	91.76
37.084	84.26	85.4	86.75	87.49	88.02	89.8	91.5
36.956	84.07	85.19	86.53	87.27	87.79	89.56	91.25
36.828	83.81	84.93	86.27	87	87.53	89.29	90.99
36.7	83.38	84.51	85.88	86.62	87.16	88.96	90.67
36.588	83.04	84.19	85.57	86.32	86.87	88.68	90.4
36.477	82.71	83.87	85.26	86.02	86.57	88.4	90.13
36.365	82.39	83.56	84.95	85.73	86.28	88.12	89.86
36.253	82.07	83.25	84.65	85.43	85.99	87.84	89.58
36.141	81.76	82.94	84.35	85.13	85.69	87.55	89.3
36.029	81.45	82.63	84.05	84.83	85.4	87.26	89.01
35.918	81.15	82.32	83.74	84.53	85.1	86.97	88.72
35.806	80.83	82	83.43	84.22	84.79	86.66	88.41
35.694	80.51	81.68	83.1	83.9	84.47	86.34	88.09
35.582	80.18	81.35	82.77	83.56	84.13	86	87.74
35.471	79.82	81	82.41	83.21	83.77	85.64	87.37
35.359	79.44	80.62	82.03	82.82	83.38	85.25	86.97
35.247	79.04	80.2	81.6	82.39	82.95	84.81	86.52
35.135	78.58	79.74	81.13	81.91	82.47	84.31	86.02
35.024	78.05	79.19	80.57	81.35	81.9	83.74	85.42
34.912	77.38	78.51	79.89	80.65	81.21	83.03	84.7
34.8	76.44	77.58	78.96	79.72	80.28	82.09	83.75
34.685	75.6	76.74	78.12	78.88	79.43	81.23	82.88
34.569	74.79	75.93	77.3	78.06	78.61	80.4	82.05
34.454	74.01	75.15	76.53	77.29	77.83	79.61	81.26
34.339	73.27	74.42	75.8	76.56	77.1	78.86	80.51
34.223	72.59	73.74	75.12	75.88	76.41	78.17	79.82
34.108	71.97	73.12	74.5	75.25	75.79	77.53	79.18
33.992	71.41	72.55	73.94	74.68	75.22	76.95	78.59
33.877	70.93	72.06	73.44	74.18	74.71	76.43	78.06
33.762	70.52	71.64	73	73.74	74.27	75.97	77.6
33.646	70.16	71.28	72.63	73.36	73.88	75.56	77.19
33.531	69.87	70.98	72.31	73.03	73.54	75.21	76.83

33.415	69.64	70.73	72.04	72.75	73.26	74.91	76.52
33.3	69.45	70.52	71.82	72.51	73.02	74.66	76.26
33.18	69.25	70.31	71.58	72.26	72.76	74.38	75.97
33.06	69.06	70.1	71.34	72.02	72.51	74.1	75.67
32.94	68.88	69.89	71.11	71.77	72.26	73.83	75.38
32.82	68.69	69.68	70.88	71.53	72	73.55	75.09
32.7	68.5	69.47	70.64	71.28	71.75	73.28	74.8
32.58	68.31	69.26	70.41	71.03	71.49	73	74.51
32.46	68.11	69.04	70.17	70.78	71.24	72.72	74.21
32.34	67.91	68.82	69.92	70.53	70.97	72.43	73.91
32.22	67.69	68.59	69.67	70.26	70.7	72.14	73.6
32.1	67.46	68.34	69.4	69.98	70.41	71.84	73.29
31.992	67.22	68.08	69.11	69.68	70.1	71.51	72.95
31.883	66.98	67.81	68.82	69.37	69.79	71.17	72.61
31.775	66.72	67.53	68.5	69.04	69.45	70.82	72.25
31.667	66.41	67.2	68.13	68.67	69.07	70.42	71.85
31.558	65.98	66.74	67.65	68.18	68.57	69.94	71.39
31.45	65.07	65.83	66.82	67.37	67.79	69.25	70.78
31.323	64.31	65.12	66.15	66.74	67.18	68.73	70.34
31.196	63.61	64.49	65.56	66.19	66.66	68.28	69.95
31.069	63	63.91	65.04	65.69	66.19	67.89	69.62
30.942	62.46	63.38	64.58	65.25	65.77	67.55	69.33
30.815	61.97	62.92	64.18	64.87	65.41	67.25	69.07
30.689	61.53	62.51	63.82	64.54	65.09	66.99	68.84
30.562	61.14	62.15	63.5	64.25	64.81	66.75	68.64
30.435	60.79	61.83	63.22	63.99	64.56	66.55	68.46
30.308	60.47	61.55	62.97	63.76	64.35	66.36	68.29
30.181	60.2	61.3	62.75	63.56	64.15	66.2	68.14
30.054	59.95	61.09	62.56	63.38	63.98	66.05	68.01
29.927	59.74	60.9	62.39	63.22	63.83	65.92	67.88
29.8	59.56	60.74	62.24	63.08	63.7	65.8	67.77
29.722	59.39	60.59	62.1	62.96	63.58	65.69	67.67
29.644	59.21	60.43	61.97	62.83	63.45	65.59	67.57
29.567	59.03	60.27	61.83	62.7	63.33	65.48	67.47
29.489	58.84	60.11	61.69	62.57	63.2	65.37	67.37
29.411	58.64	59.93	61.54	62.42	63.07	65.25	67.27
29.333	58.42	59.74	61.38	62.28	62.93	65.13	67.16
29.256	58.19	59.54	61.21	62.12	62.78	65	67.04
29.178	57.92	59.32	61.02	61.95	62.62	64.87	66.91
29.1	57.62	59.08	60.82	61.77	62.44	64.72	66.78
28.95	57.41	58.87	60.62	61.58	62.25	64.54	66.61
28.8	57.24	58.71	60.46	61.41	62.09	64.38	66.45
28.65	57.09	58.55	60.3	61.26	61.93	64.24	66.31
28.5	56.95	58.41	60.15	61.11	61.79	64.1	66.17
28.35	56.81	58.27	60.02	60.97	61.66	63.97	66.03
28.2	56.67	58.13	59.88	60.84	61.52	63.84	65.91
28.111	56.6	58.06	59.81	60.76	61.44	63.76	65.81
28.023	56.53	57.98	59.72	60.68	61.36	63.68	65.72
27.934	56.45	57.9	59.64	60.59	61.27	63.59	65.64
27.846	56.36	57.81	59.55	60.51	61.19	63.5	65.55
27.757	56.27	57.72	59.46	60.41	61.09	63.41	65.45

27.669	56.15	57.61	59.35	60.31	60.99	63.31	65.35
27.58	56.02	57.48	59.23	60.19	60.87	63.2	65.25
27.445	55.85	57.31	59.05	60.01	60.69	63.01	65.05
27.31	55.69	57.14	58.88	59.83	60.51	62.83	64.83
27.175	55.53	56.98	58.7	59.65	60.33	62.64	64.63
27.04	55.37	56.81	58.53	59.47	60.14	62.45	64.42
26.957	55.23	56.67	58.39	59.33	60	62.3	64.27
26.874	55.07	56.51	58.22	59.16	59.84	62.14	64.1
26.791	54.88	56.32	58.04	58.98	59.65	61.95	63.91
26.709	54.66	56.1	57.83	58.77	59.44	61.75	63.69
26.626	54.38	55.84	57.57	58.52	59.2	61.51	63.45
26.543	54.03	55.5	57.27	58.21	58.9	61.24	63.17
26.46	53.55	55.03	56.87	57.84	58.54	60.92	62.84
26.355	52.85	54.37	56.27	57.25	57.97	60.39	62.28
26.25	52.22	53.78	55.74	56.74	57.48	59.93	61.79
26.145	51.65	53.29	55.29	56.31	57.06	59.53	61.35
26.04	51.16	52.87	54.92	55.95	56.71	59.21	60.96
25.935	50.77	52.53	54.62	55.66	56.43	58.92	60.62
25.83	50.45	52.27	54.38	55.43	56.2	58.68	60.37
25.725	50.21	52.06	54.19	55.25	56.01	58.5	60.17
25.62	50.02	51.9	54.05	55.1	55.86	58.36	60.03
25.515	49.89	51.78	53.93	54.99	55.75	58.25	59.91
25.41	49.78	51.69	53.85	54.9	55.67	58.18	59.83
25.305	49.71	51.63	53.79	54.85	55.61	58.12	59.76
25.2	49.66	51.58	53.75	54.8	55.57	58.08	59.7
25.1	49.55	51.49	53.66	54.71	55.48	57.99	59.61
25	49.4	51.35	53.52	54.58	55.34	57.86	59.48
24.9	49.16	51.14	53.32	54.37	55.14	57.66	59.26
24.8	48.77	50.8	52.99	54.05	54.82	57.32	58.9
24.7	47.98	50.07	52.37	53.44	54.23	56.76	58.22
24.6	47.56	49.7	51.99	53.08	53.86	56.38	57.76
24.5	47.15	49.33	51.63	52.7	53.47	55.97	57.35
24.4	46.75	48.96	51.25	52.31	53.07	55.59	56.93
24.3	46.35	48.57	50.84	51.89	52.64	55.21	56.47
24.2	45.95	48.15	50.39	51.42	52.17	54.77	55.92
24.1	45.55	47.69	49.87	50.89	51.63	54.14	55.04
23.971	45.17	47.28	49.42	50.43	51.16	53.65	54.39
23.843	44.8	46.87	48.98	49.98	50.69	53.17	53.73
23.714	44.43	46.48	48.54	49.53	50.23	52.68	53.04
23.586	44.06	46.09	48.12	49.09	49.77	52.2	52.3
23.457	43.69	45.7	47.69	48.65	49.32	51.73	51.56
23.329	43.31	45.31	47.27	48.22	48.88	51.26	50.78
23.2	42.92	44.92	46.85	47.79	48.44	50.79	49.95
23.086	42.53	44.5	46.36	47.28	47.9	50.21	50.75
22.971	42.14	44.07	45.83	46.72	47.31	49.55	50.65
22.857	41.75	43.62	45.25	46.09	46.64	48.78	50.35
22.743	41.37	43.16	44.62	45.39	45.88	47.88	49.56
22.629	40.99	42.7	43.94	44.61	45	46.77	48.17
22.514	40.63	42.22	43.19	43.72	43.98	45.34	47.45
22.4	40.27	41.72	42.38	42.73	42.82	43.41	46.56
22.39	40.03	41.39	41.81	42.02	41.96	42.59	46.43

22.38	40	41.36	41.75	41.94	41.86	42.53	44.93
22.3	40.43	41.95	42.73	43.13	43.27	43.98	45.45
22.29	40.36	41.85	42.57	42.94	43.05	43.62	45.22
22.28	40.35	41.83	42.54	42.9	43	43.55	45.16
22.27	40.38	41.87	42.61	42.99	43.11	43.72	45.17
22.258	40.6	42.21	43.16	43.66	43.88	44.91	46.01
22.247	40.6	42.22	43.18	43.69	43.92	44.99	46.06
22.235	40.57	42.19	43.14	43.65	43.87	44.94	46.01
22.223	40.52	42.15	43.09	43.59	43.81	44.86	45.93
22.212	40.48	42.1	43.03	43.53	43.74	44.77	45.84
22.2	40.42	42.04	42.96	43.45	43.65	44.67	45.74
22.16	40.37	42	42.9	43.39	43.58	44.59	45.65
22.12	40.34	41.96	42.85	43.33	43.52	44.51	45.57
22.08	40.3	41.93	42.8	43.28	43.47	44.44	45.5
22.04	40.28	41.9	42.77	43.24	43.42	44.39	45.45
22	40.26	41.88	42.73	43.21	43.39	44.34	45.39
21.983	40.23	41.85	42.7	43.17	43.34	44.29	45.34
21.965	40.21	41.83	42.67	43.13	43.3	44.23	45.29
21.948	40.18	41.8	42.63	43.09	43.26	44.18	45.23
21.93	40.15	41.77	42.59	43.05	43.21	44.12	45.18
21.864	40.14	41.75	42.57	43.03	43.19	44.09	45.16
21.798	40.12	41.74	42.54	43	43.16	44.06	45.13
21.732	40.1	41.72	42.52	42.97	43.13	44.02	45.09
21.666	40.08	41.69	42.49	42.94	43.09	43.97	45.05
21.6	40.05	41.66	42.44	42.89	43.03	43.9	44.98
21.483	40.03	41.65	42.44	42.9	43.05	43.93	44.96
21.367	40.01	41.63	42.42	42.88	43.02	43.9	44.92
21.25	39.98	41.61	42.39	42.85	42.99	43.87	44.88
21.133	39.96	41.59	42.36	42.82	42.96	43.84	44.83
21.017	39.93	41.57	42.34	42.79	42.93	43.8	44.78
20.9	39.9	41.54	42.31	42.76	42.9	43.76	44.72
20.771	39.87	41.52	42.28	42.74	42.87	43.73	44.69
20.643	39.84	41.49	42.25	42.71	42.83	43.69	44.64
20.514	39.79	41.46	42.21	42.67	42.8	43.65	44.59
20.386	39.74	41.43	42.17	42.63	42.76	43.61	44.54
20.257	39.67	41.38	42.13	42.59	42.71	43.56	44.48
20.129	39.6	41.33	42.07	42.53	42.65	43.5	44.41
20	39.52	41.24	41.98	42.46	42.57	43.43	44.32
19.87	39.46	41.21	41.94	42.42	42.53	43.38	44.27
19.74	39.41	41.18	41.9	42.37	42.48	43.33	44.2
19.61	39.38	41.15	41.86	42.33	42.43	43.27	44.14
19.48	39.34	41.1	41.81	42.29	42.39	43.23	44.09
19.366	39.3	41.08	41.79	42.26	42.36	43.2	44.06
19.253	39.27	41.06	41.76	42.23	42.33	43.16	44.02
19.139	39.24	41.04	41.73	42.2	42.3	43.12	43.97
19.025	39.22	41.02	41.7	42.17	42.26	43.08	43.92
18.911	39.19	40.99	41.67	42.13	42.22	43.04	43.87
18.798	39.16	40.96	41.63	42.09	42.18	42.99	43.8
18.684	39.12	40.92	41.59	42.04	42.13	42.92	43.72
18.57	39.07	40.87	41.53	41.98	42.05	42.83	43.68
18.403	39.01	40.82	41.46	41.9	41.98	42.8	43.66

18.235	38.94	40.76	41.39	41.85	41.92	42.74	43.6
18.068	38.86	40.68	41.32	41.76	41.84	42.64	43.48
17.9	38.74	40.57	41.17	41.58	41.64	42.39	43.19
17.815	38.62	40.45	41.08	41.52	41.57	42.31	43.11
17.73	38.5	40.34	40.95	41.38	41.44	42.15	42.92
17.645	38.4	40.23	40.83	41.25	41.3	41.98	42.73
17.56	38.3	40.13	40.72	41.13	41.17	41.82	42.54
17.55	38.3	40.13	40.79	41.27	41.35	42.23	43.04
17.53	35.73	37.02	37.45	37.76	37.81	38.63	38.76
17.52	36.29	37.74	38.23	38.58	38.64	39.48	39.69
17.08	35.71	37.12	37.59	37.94	37.99	38.89	39.03
17.07	35.57	36.98	37.44	37.78	37.83	38.74	38.88
17.05	35.56	36.96	37.43	37.77	37.82	38.73	38.87
17.04	35.66	37.08	37.55	37.9	37.95	38.85	39
16.82	35.28	36.68	37.14	37.49	37.58	38.48	38.62
16.81	35.21	36.6	37.06	37.41	37.51	38.41	38.54
16.79	35.18	36.57	37.03	37.38	37.48	38.38	38.52
16.78	35.2	36.59	37.06	37.42	37.52	38.45	38.59
16.6	34.83	36.21	36.67	37.02	37.18	38.07	38.2
16.3	34.68	36.05	36.51	36.85	37.04	37.92	38.05
15.9	33.73	35.04	35.47	35.8	36.15	36.97	37.08
15.1	32.43	33.68	34.09	34.41	35.04	35.8	35.88
15	31.96	33.2	33.61	33.92	34.65	35.39	35.46
14.6	31.66	32.91	33.32	33.63	34.43	35.16	35.22
14	30.99	32.18	32.56	32.86	33.71	34.44	34.52
13.8	30	31.09	31.44	31.93	32.8	33.26	33.32
13.1	29.35	30.42	30.77	31.07	31.88	32.27	32.28
12.96	27.89	28.85	29.14	29.39	30.02	30.14	30.08
12.95	27.58	28.47	28.75	28.97	29.53	29.59	29.51
12.93	27.54	28.43	28.7	28.92	29.47	29.52	29.44
12.92	27.78	28.71	29	29.24	29.84	29.94	29.87
12.4	27.52	28.51	28.82	29.07	29.7	29.78	29.7
11.7	26.29	27.33	27.65	27.92	28.53	28.45	28.36
11.2	24.98	26.07	26.4	26.68	27.31	27.25	27.15
10.6	23.76	24.81	25.11	25.37	25.96	25.91	25.82
10.1	20.6	21.54	21.85	22.14	22.73	22.69	22.63

North Fork

9.24	20.6	21.54	21.85	22.14	22.73	22.69	22.63
8.749	19.9	20.87	21.19	21.49	22.09	22.05	22
8.41	19.33	20.28	20.59	20.89	21.47	21.43	21.4
8.147	18.41	19.33	19.61	19.92	20.45	20.42	20.41
7.732	17.18	18.07	18.34	18.66	19.11	19.09	19.13
7.469	16.13	16.95	17.2	17.52	17.88	17.87	17.95
7.017	15.61	16.39	16.65	17	17.34	17.32	17.43
6.715	14.78	15.41	15.66	16.03	16.29	16.28	16.45
6.376	14.2	14.71	14.96	15.37	15.56	15.6	15.77
6.225	13.93	14.39	14.65	15.06	15.22	15.3	15.46
6.035	13.36	13.67	13.92	14.36	14.47	14.6	14.73
5.846	12.93	13.13	13.38	13.85	13.99	14.09	14.19
5.356	10.91	10.43	11.23	11.45	11.53	11.33	11.38

Right Bank					Left Bank				
X-Sec	Levee Height	PNP Levee	PFP Levee	LFP Levee	X-sec	Levee Height	PFP Levee		
	(ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)		(ft)	Elevation (ft)		
22.2	50	50	50	50					
22	46	46	46	46					
21.93	42	42	42	42					
21.6	40	40	40	40					
20.9	45.3	43.3	44.3	43.8					
20	44.8	42.8	43.8	43.3					
19.48	45	43	44	43.5					
18.57	43.2	42.2	43.2	42.7					
17.9	42	40	41	40.5					
17.56	41.6	39.6	40.6	40.1					
17.08	40.7	38.7	39.7	39.2					
16.82	41.1	39.1	40.1	39.6					
16.6	40.3	38.3	39.3	38.8					
16.3	39.9	37.9	38.9	38.4					
15.9	39.3	38.3	38.8	38.55					
15.1	37.7	36.7	37.2	36.95					
15	36.9	34.9	35.9	35.4					
14.6	36	34	35	34.5					
14	35.5	33.5	34.5	34					
13.8	35.4	33.4	34.4	33.9					
13.1	34.4	32.4	33.4	32.9					
12.96	34.5	34.5	34.5	34.5					
12.4	29.3	29.3	29.3	29.3					
11.7	30.3	29.3	30.3	29.8					
11.2	29.2	27.2	28.2	27.7					
10.6	28.3	26.3	27.3	26.8					
NFork									
8.85	25.3	23.3	24.3	23.8					
8.29	24.8	22.8	23.8	23.3					
8.1	24.7	23.7	24.2	23.95					
7.9	24.2	23.2	23.7	23.45					
7.33	22.6	21.6	22.1	21.85					
7.2	21.7	19.7	20.7	20.2					
6.6	20.1	18.1	19.1	18.6					
6.2	20.1	18.1	19.1	18.6					
5.8									
5.7									
5.5									
5.22									
4.75	12.4	9.4	10.4	9.9					
4.5	13.1	10.1	11.1	10.6					
SFork									
9.25	24.3	22.3	23.3	22.8					
8.75	25.6	23.6	24.6	24.1					
7.8	23.3	21.3	22.3	21.8					

Left Bank				
X-sec	Levee Height	PFP Levee		
	(ft)	Elevation (ft)		
17.56	42.2	41.7		
17.08	42	41.5		
16.82	40.1	39.6		
16.6	43.1	42.6		
16.3	39.3	38.8		
15.9	39.1	38.1		
15.1	37.8	36.8		
15	38.1	37.1		
14.6	34.9	33.9		
14	36.6	35.6		
13.8	35.8	34.8		
13.1	34.2	34.2		
12.96	34.5	34.5		
12.92	34.5	34.5		
12.4	29.3	29.3		
11.7	29	28		
11.2	28.9	27.9		
10.6	28.5	27.5		
NFork				
8.85	24.9	23.9		
8.29	23.8	22.8		
8.1	23.2	22.2		
7.9	24	23		
7.33	21.5	20.5		
7.2	20.5	19.5		
6.6	20.3	19.3		
6.2	19.4	18.4		
5.8	18	17		
5.7	16.6	15.6		
5.5	18	17		
5.22	15.8	14.8		
4.75	15.1	14.6		
4.5	14.5	13.5		
SFork				
9.25	27	26		
8.75	24.2	23.2		
7.8	23.1	22.1		
6.95	19.8	18.8		
6.3	19.3	18.3		
5.8	20.2	19.2		
5.25	17.9	16.9		
4.65	15	14		

6.95	21.2	19.2	20.2	19.7
6.3	19.6	17.6	18.6	18.1
5.8	18.8	16.8	17.8	17.3
5.25	16	13	14.5	13.75
4.65	13.4	11.4	12.4	11.9

	Point (50%)
PNP Levee	LFP Levee
Elevation	Elevation
(ft)	(ft)

40.7	41.2
40.5	41
38.6	39.1
41.6	42.1
37.8	38.3
37.1	37.6
35.8	36.3
36.1	36.6
32.9	33.4
34.6	35.1
33.8	34.3
34.2	34.2
34.5	34.5
34.5	34.5
29.3	29.3
27	27.5
26.9	27.4
26.5	27

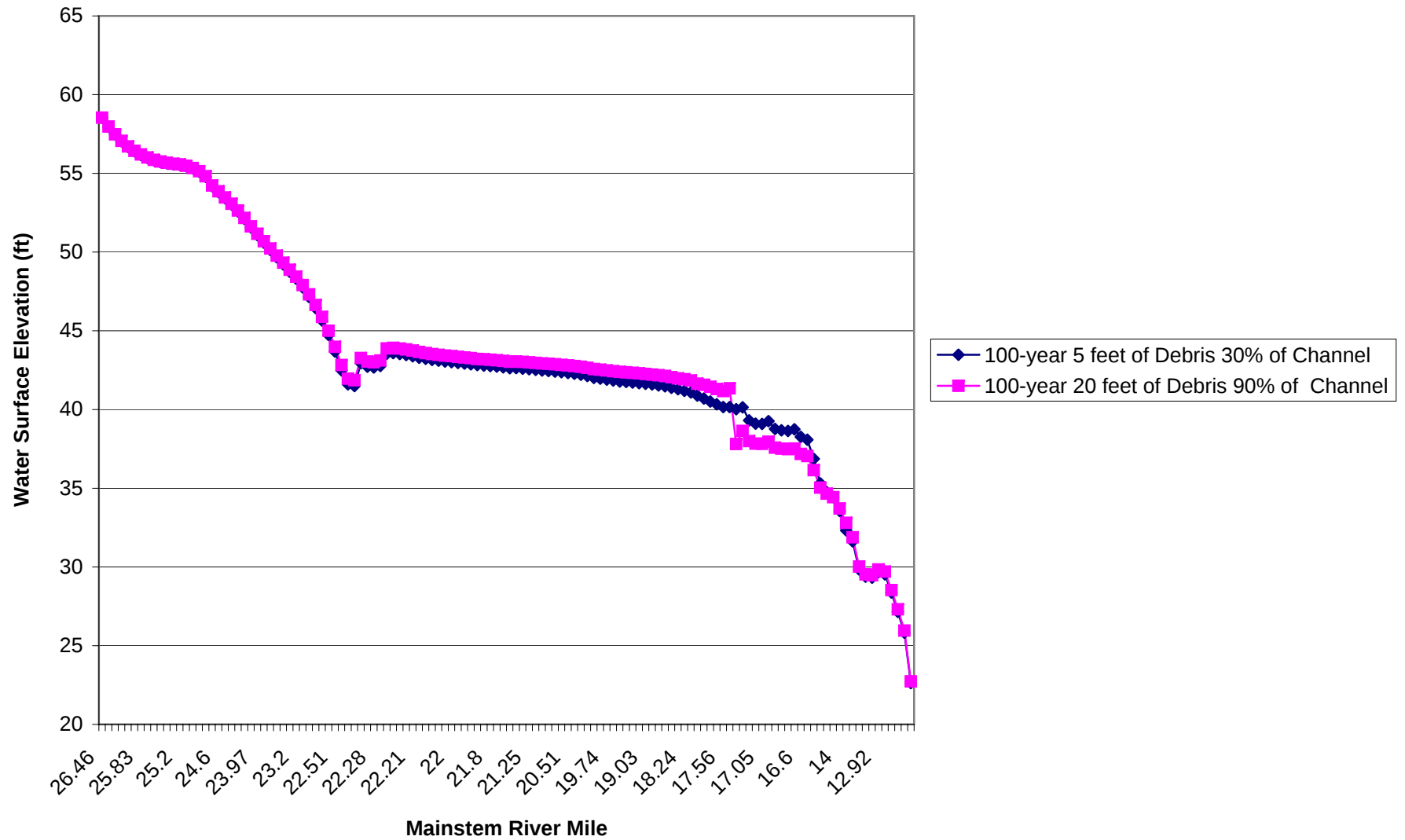
22.9	23.4
21.8	22.3
21.2	21.7
22	22.5
19.5	20
18.5	19
18.3	18.8
17.4	17.9
16	16.5
14.6	15.1
16	16.5
13.8	14.3
13.1	13.85
12.5	13

25	25.5
22.2	22.7
21.1	21.6
17.8	18.3
17.3	17.8
18.2	18.7
15.9	16.4
13	13.5

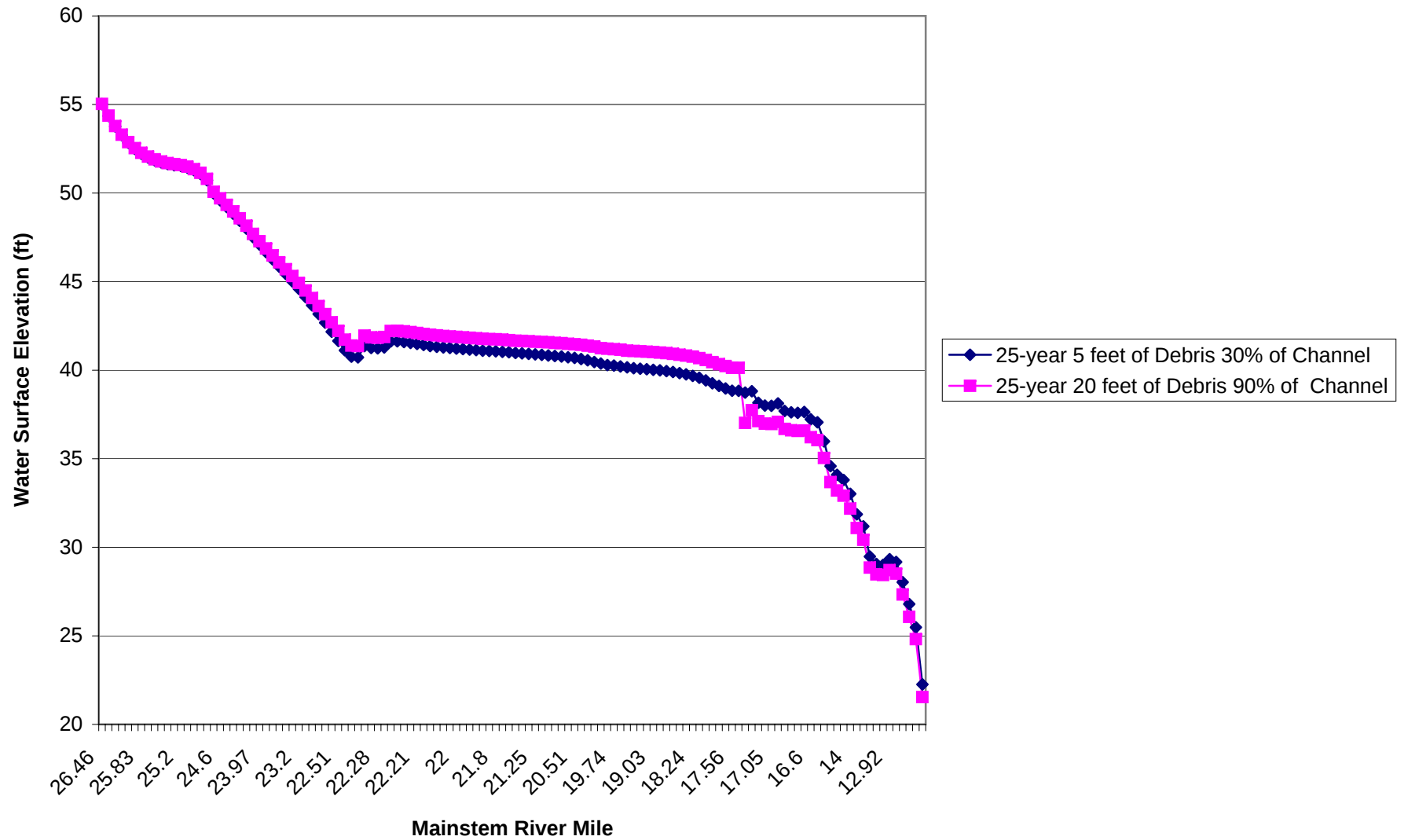
**South Fork
Skagit River
Water Surface Profiles
With
Levee Failure Points**

Varying
Debris Loading
Scenario
Run Results

Comparison of Debris Loading - 100-year Event



Comparison of Debris Loading - 25-year Event



RM	25-year 5 feet of Debris		25-year 20 feet of Debris		Difference	100-year 5 feet of Debris		100-year 20 feet of Debris	
	30% of Channel WS Elev		90% of Channel WS Elev			30% of Channel WS Elev		90% of Channel WS Elev	
26.46		55.02		55.03	0.01		58.52		58.54
26.355		54.35		54.37	0.02		57.95		57.97
26.25		53.76		53.78	0.02		57.46		57.48
26.145		53.26		53.29	0.03		57.04		57.06
26.04		52.84		52.87	0.03		56.68		56.71
25.935		52.49		52.53	0.04		56.4		56.43
25.83		52.22		52.27	0.05		56.17		56.2
25.725		52.01		52.06	0.05		55.98		56.01
25.62		51.85		51.9	0.05		55.83		55.86
25.515		51.73		51.78	0.05		55.72		55.75
25.41		51.64		51.69	0.05		55.64		55.67
25.305		51.57		51.63	0.06		55.58		55.61
25.2		51.53		51.58	0.05		55.54		55.57
25.1		51.43		51.49	0.06		55.45		55.48
25		51.29		51.35	0.06		55.31		55.34
24.9		51.08		51.14	0.06		55.1		55.14
24.8		50.72		50.8	0.08		54.78		54.82
24.7		49.98		50.07	0.09		54.18		54.23
24.6		49.59		49.7	0.11		53.81		53.86
24.5		49.21		49.33	0.12		53.42		53.47
24.4		48.83		48.96	0.13		53.02		53.07
24.3		48.43		48.57	0.14		52.58		52.64
24.2		47.99		48.15	0.16		52.1		52.17
24.1		47.51		47.69	0.18		51.56		51.63
23.971		47.09		47.28	0.19		51.07		51.16
23.843		46.66		46.87	0.21		50.6		50.69
23.714		46.25		46.48	0.23		50.13		50.23
23.586		45.84		46.09	0.25		49.67		49.77
23.457		45.43		45.7	0.27		49.21		49.32
23.329		45.01		45.31	0.3		48.75		48.88
23.2		44.59		44.92	0.33		48.3		48.44
23.086		44.13		44.5	0.37		47.75		47.9
22.971		43.66		44.07	0.41		47.14		47.31
22.857		43.17		43.62	0.45		46.44		46.64
22.743		42.68		43.16	0.48		45.65		45.88
22.629		42.17		42.7	0.53		44.73		45
22.514		41.65		42.22	0.57		43.68		43.98
22.4		41.12		41.72	0.6		42.49		42.82
22.39		40.76		41.39	0.63		41.6		41.96
22.38		40.72		41.36	0.64		41.49		41.86
22.3		41.36		41.95	0.59		42.94		43.27
22.29		41.25		41.85	0.6		42.72		43.05
22.28		41.23		41.83	0.6		42.67		43
22.27		41.28		41.87	0.59		42.77		43.11
22.258		41.62		42.21	0.59		43.54		43.88
22.247		41.63		42.22	0.59		43.58		43.92

22.235	41.59	42.19	0.6	43.53	43.87
22.223	41.54	42.15	0.61	43.46	43.81
22.212	41.48	42.1	0.62	43.38	43.74
22.2	41.42	42.04	0.62	43.29	43.65
22.16	41.36	42	0.64	43.22	43.58
22.12	41.32	41.96	0.64	43.15	43.52
22.08	41.28	41.93	0.65	43.1	43.47
22.04	41.25	41.9	0.65	43.05	43.42
22	41.22	41.88	0.66	43.01	43.39
21.983	41.19	41.85	0.66	42.96	43.34
21.965	41.16	41.83	0.67	42.92	43.3
21.948	41.13	41.8	0.67	42.87	43.26
21.93	41.1	41.77	0.67	42.82	43.21
21.864	41.08	41.75	0.67	42.79	43.19
21.798	41.06	41.74	0.68	42.76	43.16
21.732	41.03	41.72	0.69	42.73	43.13
21.666	41.01	41.69	0.68	42.68	43.09
21.6	40.97	41.66	0.69	42.62	43.03
21.483	40.95	41.65	0.7	42.63	43.05
21.367	40.92	41.63	0.71	42.59	43.02
21.25	40.89	41.61	0.72	42.56	42.99
21.133	40.86	41.59	0.73	42.52	42.96
21.017	40.83	41.57	0.74	42.48	42.93
20.9	40.8	41.54	0.74	42.45	42.9
20.771	40.77	41.52	0.75	42.41	42.87
20.643	40.73	41.49	0.76	42.37	42.83
20.514	40.69	41.46	0.77	42.32	42.8
20.386	40.63	41.43	0.8	42.27	42.76
20.257	40.56	41.38	0.82	42.21	42.71
20.129	40.46	41.33	0.87	42.13	42.65
20	40.37	41.24	0.87	42.01	42.57
19.87	40.29	41.21	0.92	41.96	42.53
19.74	40.26	41.18	0.92	41.9	42.48
19.61	40.21	41.15	0.94	41.84	42.43
19.48	40.16	41.1	0.94	41.78	42.39
19.366	40.11	41.08	0.97	41.75	42.36
19.253	40.08	41.06	0.98	41.71	42.33
19.139	40.05	41.04	0.99	41.67	42.3
19.025	40.02	41.02	1	41.63	42.26
18.911	39.99	40.99	1	41.59	42.22
18.798	39.95	40.96	1.01	41.53	42.18
18.684	39.9	40.92	1.02	41.47	42.13
18.57	39.83	40.87	1.04	41.38	42.05
18.403	39.76	40.82	1.06	41.29	41.98
18.235	39.68	40.76	1.08	41.19	41.92
18.068	39.57	40.68	1.11	41.08	41.84
17.9	39.42	40.57	1.15	40.88	41.64
17.815	39.26	40.45	1.19	40.7	41.57
17.73	39.11	40.34	1.23	40.51	41.44
17.645	38.97	40.23	1.26	40.33	41.3
17.56	38.84	40.13	1.29	40.16	41.17

17.55	38.83	40.13	1.3	40.16	41.35
17.53	38.73	37.02	-1.71	40.02	37.81
17.52	38.81	37.74	-1.07	40.14	38.64
17.08	38.16	37.12	-1.04	39.31	37.99
17.07	38	36.98	-1.02	39.1	37.83
17.05	37.99	36.96	-1.03	39.09	37.82
17.04	38.12	37.08	-1.04	39.26	37.95
16.82	37.7	36.68	-1.02	38.77	37.58
16.81	37.62	36.6	-1.02	38.68	37.51
16.79	37.59	36.57	-1.02	38.64	37.48
16.78	37.64	36.59	-1.05	38.74	37.52
16.6	37.23	36.21	-1.02	38.26	37.18
16.3	37.06	36.05	-1.01	38.08	37.04
15.9	35.98	35.04	-0.94	36.87	36.15
15.1	34.58	33.68	-0.9	35.31	35.04
15	34.09	33.2	-0.89	34.76	34.65
14.6	33.8	32.91	-0.89	34.44	34.43
14	33.02	32.18	-0.84	33.56	33.71
13.8	31.86	31.09	-0.77	32.32	32.8
13.1	31.18	30.42	-0.76	31.63	31.88
12.96	29.48	28.85	-0.63	29.84	30.02
12.95	29.06	28.47	-0.59	29.38	29.53
12.93	29.01	28.43	-0.58	29.32	29.47
12.92	29.33	28.71	-0.62	29.67	29.84
12.4	29.17	28.51	-0.66	29.53	29.7
11.7	28.03	27.33	-0.7	28.38	28.53
11.2	26.79	26.07	-0.72	27.15	27.31
10.6	25.48	24.81	-0.67	25.82	25.96
10.1	22.26	21.54	-0.72	22.63	22.73

North Fork

9.24	22.26	21.54	-0.72	22.63	22.73
8.749	21.61	20.87	-0.74	22.01	22.09
8.41	21.01	20.28	-0.73	21.41	21.47
8.147	20.03	19.33	-0.7	20.43	20.45
7.732	18.74	18.07	-0.67	19.17	19.11
7.469	17.57	16.95	-0.62	18.01	17.88
7.017	17.03	16.39	-0.64	17.5	17.34
6.715	16.03	15.41	-0.62	16.54	16.29
6.376	15.33	14.71	-0.62	15.88	15.56
6.225	15.01	14.39	-0.62	15.61	15.22
6.035	14.26	13.67	-0.59	14.94	14.47
5.846	13.71	13.13	-0.58	14.42	13.99
5.356	10.61	10.43	-0.18	11.8	11.53
5.035	10.07	10.03	-0.04	10.94	10.73
4.81	9.68	9.68	0	10.08	10.13
4.715	9.34	9.33	-0.01	9.25	9.61
4.602	9.27	9.27	0	9.2	9.52
4.507	9.21	9.21	0	9.14	9.42
4.299	9.17	9.17	0	9.11	9.38
3.92	8.79	8.79	0	8.78	8.8

3.541	8.73	8.73	0	8.73	8.73
South Fork					
9.24	22.26	21.54	-0.72	22.63	22.73
8.901	21.61	20.91	-0.7	21.96	22.06
7.939	20.49	19.82	-0.67	20.84	20.94
7.297	18.78	18.17	-0.61	19.1	19.2
6.636	16.14	15.62	-0.52	16.42	16.52
6.183	14.22	13.98	-0.24	14.26	14.44
5.655	12.77	12.61	-0.16	12.69	13.12
4.939	11.74	11.64	-0.1	11.71	12.2
4.147	11.49	11.4	-0.09	11.48	12
3.356	8.82	8.82	0	8.82	8.82
2.598	8.73	8.73	0	8.73	8.73

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