

**TABLE B.3  
RESULTS OF HYDRAULIC MODEL PEER REVIEW  
WEST CREEK**

REACH	RIVER STATION	PROFILE	CONDITION 2 - ULTIMATE FUTURE CONDITIONS W/SWM BUT NO EMBANKMENT STORAGE							
			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	1728	2yr	0.14	298.95	0.07	0.14	298.93	0.08	-0.02	0.01
West Creek	1728	5yr	0.80	299.09	0.16	0.80	299.07	0.18	-0.02	0.02
West Creek	1728	10yr	1.98	299.22	0.25	1.98	299.18	0.29	-0.04	0.04
West Creek	1728	25yr	3.01	299.30	0.30	3.01	299.25	0.34	-0.05	0.04
West Creek	1728	50yr	3.36	299.34	0.30	3.36	299.29	0.35	-0.05	0.05
West Creek	1728	100yr	5.44	299.44	0.39	5.44	299.38	0.44	-0.06	0.05
West Creek	1728	REG	7.00	299.50	0.44	7.00	299.44	0.50	-0.06	0.06
West Creek	1687	2yr	0.21	298.94	0.10	0.21	298.92	0.12	-0.02	0.02
West Creek	1687	5yr	1.01	299.08	0.19	1.01	299.05	0.23	-0.03	0.04
West Creek	1687	10yr	2.42	299.20	0.29	2.42	299.15	0.35	-0.05	0.06
West Creek	1687	25yr	3.79	299.28	0.36	3.79	299.22	0.43	-0.06	0.07
West Creek	1687	50yr	4.59	299.32	0.39	4.59	299.25	0.47	-0.07	0.08
West Creek	1687	100yr	6.88	299.41	0.46	6.88	299.34	0.55	-0.07	0.09
West Creek	1687	REG	8.62	299.47	0.51	8.62	299.39	0.61	-0.08	0.10
West Creek	1588	2yr	0.21	298.89	0.27	0.21	298.82	0.75	-0.07	0.48
West Creek	1588	5yr	1.01	299.00	0.44	1.01	298.92	0.92	-0.08	0.48
West Creek	1588	10yr	2.42	299.08	0.64	2.42	298.99	1.09	-0.09	0.45
West Creek	1588	25yr	3.79	299.15	0.78	3.79	299.04	1.25	-0.11	0.47
West Creek	1588	50yr	4.59	299.18	0.84	4.59	299.06	1.34	-0.12	0.50
West Creek	1588	100yr	6.88	299.25	1.01	6.88	299.12	1.55	-0.13	0.54
West Creek	1588	REG	8.62	299.27	1.18	8.62	299.16	1.68	-0.11	0.50
West Creek	1514	2yr	0.35	298.20	0.76	0.35	298.22	0.28	0.02	-0.48
West Creek	1514	5yr	1.34	298.24	1.10	1.34	298.29	0.34	0.05	-0.76
West Creek	1514	10yr	3.25	298.29	1.30	3.25	298.36	0.38	0.07	-0.92
West Creek	1514	25yr	5.18	298.32	1.43	5.18	298.41	0.41	0.09	-1.02
West Creek	1514	50yr	6.28	298.33	1.51	6.28	298.43	0.41	0.10	-1.10
West Creek	1514	100yr	9.61	298.37	1.63	9.61	298.50	0.42	0.13	-1.21
West Creek	1514	REG	12.30	298.42	1.44	12.30	298.54	0.43	0.12	-1.01
West Creek	1415	2yr	0.35	297.13	0.25	0.35	297.09	0.32	-0.04	0.07
West Creek	1415	5yr	1.34	297.28	0.46	1.34	297.22	0.58	-0.06	0.12

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WEST CREEK**

REACH	RIVER STATION	PROFILE	CONDITION 2 - ULTIMATE FUTURE CONDITIONS W/SWM BUT NO EMBANKMENT STORAGE							
			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	1415	10yr	3.25	297.43	0.68	3.25	297.35	0.85	-0.08	0.17
West Creek	1415	25yr	5.18	297.53	0.84	5.18	297.45	1.02	-0.08	0.18
West Creek	1415	50yr	6.28	297.57	0.91	6.28	297.49	1.10	-0.08	0.19
West Creek	1415	100yr	9.61	297.69	1.10	9.61	297.61	1.30	-0.08	0.20
West Creek	1415	REG	12.30	297.71	1.36	12.30	297.69	1.42	-0.02	0.06
West Creek	1322	2yr	0.35	296.86	0.71	0.35	296.89	0.46	0.03	-0.25
West Creek	1322	5yr	1.34	296.94	0.94	1.34	296.97	0.65	0.03	-0.29
West Creek	1322	10yr	3.25	297.01	1.15	3.25	297.05	0.87	0.04	-0.28
West Creek	1322	25yr	5.18	297.06	1.32	5.18	297.11	1.03	0.05	-0.29
West Creek	1322	50yr	6.28	297.08	1.40	6.28	297.13	1.10	0.05	-0.30
West Creek	1322	100yr	9.61	297.15	1.58	9.61	297.21	1.26	0.06	-0.32
West Creek	1322	REG	12.30	297.31	1.21	12.30	297.34	1.12	0.03	-0.09
West Creek	1229	2yr	0.35	296.04	0.24	0.35	296.03	0.26	-0.01	0.02
West Creek	1229	5yr	1.34	296.20	0.43	1.34	296.19	0.45	-0.01	0.02
West Creek	1229	10yr	3.25	296.38	0.64	3.25	296.37	0.65	-0.01	0.01
West Creek	1229	25yr	5.18	296.51	0.77	5.18	296.51	0.78	0.00	0.01
West Creek	1229	50yr	6.28	296.58	0.83	6.28	296.58	0.83	0.00	0.00
West Creek	1229	100yr	9.61	296.93	0.76	9.61	296.93	0.76	0.00	0.00
West Creek	1229	REG	12.30	297.26	0.67	12.30	297.26	0.67	0.00	0.00
West Creek	1152	2yr	0.35	295.82	0.92	0.35	295.82	0.89	0.00	-0.03
West Creek	1152	5yr	1.34	296.00	0.80	1.34	296.00	0.80	0.00	0.00
West Creek	1152	10yr	3.25	296.19	0.94	3.25	296.19	0.94	0.00	0.00
West Creek	1152	25yr	5.18	296.33	1.05	5.18	296.33	1.04	0.00	-0.01
West Creek	1152	50yr	6.28	296.40	1.10	6.28	296.40	1.10	0.00	0.00
West Creek	1152	100yr	9.61	296.87	0.83	9.61	296.86	0.83	-0.01	0.00
West Creek	1152	REG	12.30	297.23	0.72	12.30	297.23	0.73	0.00	0.01
West Creek	1067	2yr	0.35	295.61	0.30	0.35	295.60	0.31	-0.01	0.01
West Creek	1067	5yr	1.34	295.80	0.54	1.34	295.80	0.54	0.00	0.00
West Creek	1067	10yr	3.25	296.01	0.77	3.25	296.01	0.77	0.00	0.00
West Creek	1067	25yr	5.18	296.16	0.92	5.18	296.16	0.92	0.00	0.00

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			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	1067	50yr	6.28	296.24	0.99	6.28	296.24	0.98	0.00	-0.01
West Creek	1067	100yr	9.61	296.83	0.71	9.61	296.83	0.71	0.00	0.00
West Creek	1067	REG	12.30	297.21	0.64	12.30	297.21	0.64	0.00	0.00
West Creek	982	2yr	0.35	295.44	0.49	0.35	295.45	0.47	0.01	-0.02
West Creek	982	5yr	1.34	295.61	0.77	1.34	295.61	0.74	0.00	-0.03
West Creek	982	10yr	3.25	295.78	1.10	3.25	295.78	1.10	0.00	0.00
West Creek	982	25yr	5.18	295.89	1.36	5.18	295.90	1.32	0.01	-0.04
West Creek	982	50yr	6.28	295.97	1.41	6.28	295.99	1.36	0.02	-0.05
West Creek	982	100yr	9.61	296.79	0.77	9.61	296.79	0.78	0.00	0.01
West Creek	982	REG	12.30	297.18	0.72	12.30	297.18	0.72	0.00	0.00
West Creek	909	2yr	0.35	295.20	0.40	0.35	295.16	0.55	-0.04	0.15
West Creek	909	5yr	1.34	295.40	0.53	1.34	295.33	0.71	-0.07	0.18
West Creek	909	10yr	3.25	295.57	0.70	3.25	295.53	0.81	-0.04	0.11
West Creek	909	25yr	5.18	295.74	0.76	5.18	295.70	0.82	-0.04	0.06
West Creek	909	50yr	6.28	295.88	0.71	6.28	295.85	0.75	-0.03	0.04
West Creek	909	100yr	9.61	296.79	0.39	9.61	296.78	0.40	-0.01	0.01
West Creek	909	REG	12.30	297.18	0.38	12.30	297.18	0.38	0.00	0.00
West Creek	805	2yr	0.35	294.49	1.29	0.35	294.57	0.82	0.08	-0.47
West Creek	805	5yr	1.34	294.72	1.68	1.34	294.87	1.04	0.15	-0.64
West Creek	805	10yr	3.25	295.10	1.45	3.25	295.18	1.26	0.08	-0.19
West Creek	805	25yr	5.18	295.47	1.29	5.18	295.48	1.27	0.01	-0.02
West Creek	805	50yr	6.28	295.70	1.18	6.28	295.70	1.18	0.00	0.00
West Creek	805	100yr	9.61	296.77	0.66	9.61	296.76	0.67	-0.01	0.01
West Creek	805	REG	12.30	297.17	0.57	12.30	297.17	0.57	0.00	0.00
West Creek	731	2yr	0.34	293.80	0.54	0.34	293.80	0.54	0.00	0.00
West Creek	731	5yr	1.27	294.23	0.91	1.27	294.23	0.91	0.00	0.00
West Creek	731	10yr	3.18	294.81	1.10	3.18	294.81	1.10	0.00	0.00
West Creek	731	25yr	5.19	295.33	1.09	5.19	295.34	0.96	0.01	-0.13
West Creek	731	50yr	6.28	295.60	1.08	6.28	295.62	0.87	0.02	-0.21
West Creek	731	100yr	9.63	296.71	0.95	9.63	296.74	0.57	0.03	-0.38

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			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	731	REG	13.40	297.15	0.62	13.40	297.15	0.62	0.00	0.00
West Creek	713		Culvert			Culvert			0.00	0.00
West Creek	695	2yr	0.34	293.03	1.09	0.34	293.05	1.00	0.02	-0.09
West Creek	695	5yr	1.27	293.20	1.45	1.27	293.20	1.43	0.00	-0.02
West Creek	695	10yr	3.18	293.38	1.85	3.18	293.38	1.85	0.00	0.00
West Creek	695	25yr	5.19	293.51	2.17	5.19	293.51	2.16	0.00	-0.01
West Creek	695	50yr	6.28	293.58	2.31	6.28	293.58	2.28	0.00	-0.03
West Creek	695	100yr	9.63	293.76	2.67	9.63	293.75	2.66	-0.01	-0.01
West Creek	695	REG	13.40	293.93	2.99	13.40	293.93	2.96	0.00	-0.03
West Creek	676	2yr	0.34	292.56	1.11	0.34	292.55	1.20	-0.01	0.09
West Creek	676	5yr	1.27	292.71	1.58	1.27	292.72	1.50	0.01	-0.08
West Creek	676	10yr	3.18	292.85	2.14	3.18	292.88	1.87	0.03	-0.27
West Creek	676	25yr	5.19	292.93	2.57	5.19	292.99	2.15	0.06	-0.42
West Creek	676	50yr	6.28	292.97	2.78	6.28	293.02	2.35	0.05	-0.43
West Creek	676	100yr	9.63	293.05	3.32	9.63	293.15	2.64	0.10	-0.68
West Creek	676	REG	13.40	293.14	3.81	13.40	293.25	3.03	0.11	-0.78
West Creek	635	2yr	0.34	290.86	1.33	0.34	290.87	1.11	0.01	-0.22
West Creek	635	5yr	1.27	290.96	1.80	1.27	290.98	1.56	0.02	-0.24
West Creek	635	10yr	3.19	291.06	2.29	3.19	291.08	2.16	0.02	-0.13
West Creek	635	25yr	5.21	291.15	2.64	5.21	291.15	2.61	0.00	-0.03
West Creek	635	50yr	6.31	291.19	2.79	6.31	291.19	2.79	0.00	0.00
West Creek	635	100yr	9.70	291.29	3.23	9.70	291.28	3.29	-0.01	0.06
West Creek	635	REG	13.50	291.38	3.66	13.50	291.37	3.74	-0.01	0.08
West Creek	549	2yr	0.34	288.27	0.82	0.34	288.26	0.87	-0.01	0.05
West Creek	549	5yr	1.27	288.36	1.08	1.27	288.35	1.20	-0.01	0.12
West Creek	549	10yr	3.19	288.37	2.43	3.19	288.45	1.43	0.08	-1.00
West Creek	549	25yr	5.21	288.52	1.56	5.21	288.50	1.71	-0.02	0.15
West Creek	549	50yr	6.31	288.54	1.72	6.31	288.53	1.76	-0.01	0.04
West Creek	549	100yr	9.70	288.60	2.11	9.70	288.59	2.12	-0.01	0.01

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			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	549	REG	13.50	288.65	2.45	13.50	288.66	2.42	0.01	-0.03
West Creek	463	2yr	0.34	285.49	1.02	0.34	285.50	0.93	0.01	-0.09
West Creek	463	5yr	1.27	285.58	1.73	1.27	285.60	1.52	0.02	-0.21
West Creek	463	10yr	3.19	285.78	1.78	3.19	285.73	2.14	-0.05	0.36
West Creek	463	25yr	5.21	285.79	2.82	5.21	285.82	2.55	0.03	-0.27
West Creek	463	50yr	6.31	285.84	2.93	6.31	285.86	2.74	0.02	-0.19
West Creek	463	100yr	9.70	285.97	3.25	9.70	285.98	3.17	0.01	-0.08
West Creek	463	REG	13.50	286.07	3.55	13.50	286.07	3.59	0.00	0.04
West Creek	354	2yr	0.34	280.79	1.47	0.34	280.80	1.30	0.01	-0.17
West Creek	354	5yr	1.27	280.94	1.94	1.27	280.95	1.87	0.01	-0.07
West Creek	354	10yr	3.19	280.97	4.29	3.19	281.08	2.50	0.11	-1.79
West Creek	354	25yr	5.21	281.13	3.17	5.21	281.15	2.95	0.02	-0.22
West Creek	354	50yr	6.31	281.16	3.48	6.31	281.18	3.18	0.02	-0.30
West Creek	354	100yr	9.70	281.23	4.22	9.70	281.28	3.63	0.05	-0.59
West Creek	354	REG	13.50	281.29	4.79	13.50	281.35	4.09	0.06	-0.70
West Creek	282	2yr	0.34	278.97	0.74	0.34	278.97	0.82	0.00	0.08
West Creek	282	5yr	1.27	279.05	1.06	1.27	279.05	1.05	0.00	-0.01
West Creek	282	10yr	3.19	279.14	1.39	3.19	279.12	1.54	-0.02	0.15
West Creek	282	25yr	5.21	279.21	1.67	5.21	279.18	1.87	-0.03	0.20
West Creek	282	50yr	6.31	279.24	1.77	6.31	279.20	2.07	-0.04	0.30
West Creek	282	100yr	9.70	279.33	2.04	9.70	279.28	2.40	-0.05	0.36
West Creek	282	REG	13.50	279.41	2.30	13.50	279.35	2.68	-0.06	0.38
West Creek	267	2yr	0.34	277.01	3.19	0.34	277.16	0.47	0.15	-2.72
West Creek	267	5yr	1.27	277.06	4.24	1.27	277.37	0.77	0.31	-3.47
West Creek	267	10yr	3.19	277.14	4.93	3.19	277.69	1.05	0.55	-3.88
West Creek	267	25yr	5.21	277.23	5.10	5.21	277.96	1.23	0.73	-3.87
West Creek	267	50yr	6.31	277.27	5.19	6.31	278.09	1.30	0.82	-3.89
West Creek	267	100yr	9.70	278.44	1.56	9.70	278.46	1.45	0.02	-0.11
West Creek	267	REG	13.50	278.82	1.65	13.50	278.78	1.53	-0.04	-0.12

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West Creek	235.5		Culvert			Culvert				
West Creek	204	2yr	0.34	277.00	0.12	0.34	277.00	0.14	0.00	0.02
West Creek	204	5yr	1.27	277.16	0.34	1.27	277.16	0.41	0.00	0.07
West Creek	204	10yr	3.19	277.29	0.69	3.19	277.28	0.88	-0.01	0.19
West Creek	204	25yr	5.21	277.42	0.91	5.21	277.40	1.26	-0.02	0.35
West Creek	204	50yr	6.31	277.51	0.98	6.31	277.47	1.41	-0.04	0.43
West Creek	204	100yr	9.70	277.79	1.04	9.70	277.73	1.73	-0.06	0.69
West Creek	204	REG	13.50	278.37	0.86	13.50	278.30	1.66	-0.07	0.80
West Creek	201	2yr	0.35	277.00	0.12	0.35	277.00	0.12	0.00	0.00
West Creek	201	5yr	1.28	277.16	0.33	1.28	277.16	0.33	0.00	0.00
West Creek	201	10yr	3.16	277.28	0.69	3.16	277.28	0.65	0.00	-0.04
West Creek	201	25yr	5.19	277.40	0.98	5.19	277.41	0.85	0.01	-0.13
West Creek	201	50yr	6.32	277.48	1.10	6.32	277.50	0.89	0.02	-0.21
West Creek	201	100yr	9.77	277.73	1.35	9.77	277.78	0.88	0.05	-0.47
West Creek	201	REG	13.80	278.38	0.37	13.80	278.37	0.38	-0.01	0.01
West Creek	186		Culvert			Culvert			0.00	0.00
West Creek	171	2yr	0.35	277.00	0.12	0.35	277.00	0.13	0.00	0.01
West Creek	171	5yr	1.28	277.16	0.36	1.28	277.15	0.38	-0.01	0.02
West Creek	171	10yr	3.16	277.25	0.79	3.16	277.24	0.84	-0.01	0.05
West Creek	171	25yr	5.19	277.31	1.22	5.19	277.30	1.30	-0.01	0.08
West Creek	171	50yr	6.32	277.34	1.44	6.32	277.34	1.53	0.00	0.09
West Creek	171	100yr	9.77	277.40	2.10	9.77	277.38	2.26	-0.02	0.16
West Creek	171	REG	13.80	277.40	2.96	13.80	277.38	3.21	-0.02	0.25
West Creek	161	2yr	0.35	276.99	0.38	0.35	276.99	0.38	0.00	0.00
West Creek	161	5yr	1.28	277.14	0.66	1.28	277.13	0.67	-0.01	0.01
West Creek	161	10yr	3.16	277.22	1.04	3.16	277.22	1.04	0.00	0.00
West Creek	161	25yr	5.19	277.29	1.19	5.19	277.29	1.19	0.00	0.00
West Creek	161	50yr	6.32	277.34	1.18	6.32	277.34	1.18	0.00	0.00
West Creek	161	100yr	9.77	277.45	1.16	9.77	277.45	1.17	0.00	0.01

**TABLE B.3  
RESULTS OF HYDRAULIC MODEL PEER REVIEW  
WEST CREEK**

REACH	RIVER STATION	PROFILE	CONDITION 2 - ULTIMATE FUTURE CONDITIONS W/SWM BUT NO EMBANKMENT STORAGE							
			PEIL MODEL - MARCH 2004 (West.prj)			TSH REVISED MODEL (WestTSH6.prj)			DIFFERENCE IN RESULTS TSH MODEL VS. PEIL MODEL	
			FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	FLOW RATE (m <sup>3</sup> /s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)	COMPUTED WATER SURFACE ELEVATION (m)	CHANNEL VELOCITY (m/s)
West Creek	161	REG	13.80	277.57	1.15	13.80	277.57	1.15	0.00	0.00
West Creek	127	2yr	0.35	276.90	0.50	0.35	276.90	0.50	0.00	0.00
West Creek	127	5yr	1.28	277.05	0.63	1.28	277.05	0.63	0.00	0.00
West Creek	127	10yr	3.16	277.14	0.60	3.16	277.14	0.61	0.00	0.01
West Creek	127	25yr	5.19	277.25	0.56	5.19	277.25	0.55	0.00	-0.01
West Creek	127	50yr	6.32	277.30	0.54	6.32	277.30	0.54	0.00	0.00
West Creek	127	100yr	9.77	277.42	0.58	9.77	277.42	0.58		
West Creek	127	REG	13.80	277.53	0.63	13.80	277.53	0.63	0.00	0.00
West Creek	57	2yr	0.35	276.32	1.15	0.35	276.32	1.15	0.00	0.00
West Creek	57	5yr	1.28	276.50	1.50	1.28	276.50	1.48	0.00	-0.02
West Creek	57	10yr	3.16	276.70	1.89	3.16	276.70	1.89	0.00	0.00
West Creek	57	25yr	5.19	276.85	2.13	5.19	276.85	2.13	0.00	0.00
West Creek	57	50yr	6.32	276.92	2.23	6.32	276.92	2.23	0.00	0.00
West Creek	57	100yr	9.77	277.15	2.03	9.77	277.15	2.01	0.00	-0.02
West Creek	57	REG	13.80	277.24	2.27	13.80	277.23	2.35	-0.01	0.08