

**Rate and Volume Summary Table**

**TYPE II DESIGN STORM USING DEC RAINFALL DATA**

The Windham Mountain Sporting Club

Sept. 5, 2013

DESIGN POINT #	Areas (Ac.)		TYPE II DESIGN STORM USING DEC RAINFALL DATA					
			1 YEAR, 3.0"		10 YEAR, 5.0"		100 YEAR, 7.5"	
			PEAK	VOLUME	PEAK	VOLUME	PEAK	VOLUME
			cfs	af	cfs	af	cfs	af
1	55.51	PRE	41.49	3.82	124.10	10.30	243.62	19.87
	72.47	POST	30.81	5.59	102.14	14.27	240.69	26.93
1a	15.82	PRE	10.43	1.07	31.42	2.90	61.91	5.61
	16.48	POST	1.51	1.40	11.52	3.41	60.97	6.33
2	29.88	PRE	19.16	2.01	57.69	5.47	113.93	10.60
	31.10	POST	16.09	2.96	48.99	6.89	110.88	12.48
2a	3.22	PRE	3.67	0.22	10.51	0.59	20.30	1.14
	1.27	POST	1.51	0.09	4.33	0.23	8.36	0.45
2b	26.04	PRE	22.11	1.75	65.57	4.77	128.23	9.24
	4.69	POST	6.25	0.34	17.25	0.89	32.75	1.71
3	14.75	PRE	12.91	0.99	38.06	2.70	74.35	5.23
	2.42	POST	3.30	0.16	9.25	0.44	72.87	2.34
4	23.61	PRE	18.66	1.59	55.40	4.33	108.55	8.38
	32.80	POST	8.03	2.83	33.77	6.86	84.61	11.19
5	32.80	PRE	26.77	2.21	79.27	6.01	155.54	11.64
	25.19	POST	26.72	1.77	78.73	4.71	153.71	9.05
6	3.34	PRE	3.65	0.21	10.87	0.59	21.29	1.16
	2.08	POST	2.14	0.21	7.83	0.47	16.00	0.85
7	4.53	PRE	5.79	0.29	16.61	0.80	32.33	1.57
	2.43	POST	3.05	0.15	8.85	0.43	17.18	0.84
8	41.93	PRE	34.51	2.82	103.65	7.68	204.07	14.88
	53.38	POST	10.63	4.45	59.89	10.92	195.62	20.37
9	27.84	PRE	26.06	1.99	74.27	5.29	143.05	10.14
	29.88	POST	16.72	2.73	51.01	6.48	116.30	11.83
11	163.61	PRE	100.24	11.93	295.27	31.47	575.75	60.07
	168.03	POST	92.59	13.31	277.74	33.76	567.32	63.48
11.1	33.06	PRE	16.57	2.23	50.41	6.06	99.84	11.73
	35.27	POST	16.38	2.43	49.64	6.58	98.26	12.72
11.2	56.55	PRE	29.50	3.81	90.37	10.36	179.46	20.07
	57.34	POST	28.51	4.09	90.08	10.86	178.43	20.85
11.3	58.62	PRE	29.88	3.95	91.71	10.74	182.13	20.80
	58.92	POST	28.87	4.20	91.11	11.16	180.64	21.42
11.4	8.83	PRE	6.93	0.60	20.59	1.62	40.37	3.13
	14.03	POST	1.36	1.56	4.73	3.35	33.29	5.93
11.5	2.05	PRE	2.05	0.16	5.67	0.40	10.77	0.77
	1.65	POST	1.51	0.17	4.52	0.38	9.46	0.68
11.6	21.18	PRE	16.23	1.43	48.35	3.88	94.84	7.52
	5.54	POST	4.73	0.45	14.41	1.12	31.31	2.10
11.7	28.44	PRE	22.38	1.98	66.06	5.31	129.11	10.23
	28.30	POST	19.44	2.11	62.41	5.49	129.00	10.43
12	15.71	PRE	7.46	1.06	23.23	2.88	46.03	5.57
	19.29	POST	6.79	1.55	22.34	3.90	44.79	7.31
TOTAL	458.60	PRE						
ACRES	461.49	POST						

**Rate and Volume Summary Table**

**CUSTON RAINFALL DISTRIBUTION USING LOCAL RAIN DATA**

The Windham Mountain Sporting Club

Sept. 5, 2013

DESIGN POINT #	Areas (Ac.)		CUSTON RAINFALL DISTRIBUTION USING LOCAL RAIN DATA					
			1 YEAR, 2.37"		10 YEAR, 4.24"		100 YEAR, 7.61"	
			PEAK	VOLUME	PEAK	VOLUME	PEAK	VOLUME
			cfs	af	cfs	af	cfs	af
1	55.51	PRE	12.01	1.83	60.60	6.90	160.44	19.11
	72.47	POST	10.17	2.99	49.43	9.96	150.86	26.26
1a	15.82	PRE	3.08	0.52	15.19	1.97	40.23	5.45
	16.48	POST	0.55	0.80	3.45	2.46	33.62	6.23
2	29.88	PRE	5.87	0.98	28.91	3.72	76.69	10.29
	31.10	POST	4.49	1.75	18.95	4.96	67.80	12.16
2a	3.22	PRE	0.82	0.10	4.41	0.38	11.99	1.08
	1.27	POST	0.44	0.05	2.04	0.17	5.15	0.45
2b	26.04	PRE	5.37	0.79	29.35	3.09	79.09	8.73
	4.69	POST	1.60	0.17	7.30	0.61	18.47	1.66
3	14.75	PRE	3.02	0.45	16.52	1.75	44.54	4.94
	2.42	POST	82.00	0.08	3.98	0.30	26.58	1.43
4	23.61	PRE	5.16	0.78	25.50	2.94	67.16	8.13
	32.80	POST	2.32	1.64	13.59	4.96	54.68	11.92
5	32.80	PRE	7.70	1.08	37.92	4.08	100.11	11.29
	25.19	POST	7.23	0.92	34.93	3.29	91.62	8.91
6	3.34	PRE	0.38	0.07	3.90	0.33	11.76	1.00
	2.08	POST	0.23	0.11	1.91	0.31	8.30	0.77
7	4.53	PRE	0.53	0.10	5.50	0.44	16.46	1.35
	2.43	POST	0.28	0.05	2.94	0.24	8.80	0.72
8	41.93	PRE	8.83	1.30	46.48	5.05	126.39	14.16
	53.38	POST	3.56	2.50	22.34	7.73	106.10	19.87
9	27.84	PRE	5.84	0.84	32.09	3.31	86.33	9.33
	29.88	POST	4.08	1.59	20.22	4.66	62.97	11.58
11	163.61	PRE	33.07	6.03	153.37	21.65	397.26	58.41
	168.03	POST	28.62	7.11	137.78	23.65	378.22	61.95
11.1	33.06	PRE	5.81	1.09	28.41	4.11	75.76	11.38
	35.27	POST	5.93	1.18	28.59	4.42	75.97	12.19
11.2	56.55	PRE	10.06	1.86	49.77	7.03	133.10	19.47
	57.34	POST	9.76	2.05	47.57	7.40	129.65	20.10
11.3	58.62	PRE	10.30	1.93	50.88	7.29	136.03	20.18
	58.92	POST	9.96	2.11	48.44	7.60	131.92	20.66
11.4	8.83	PRE	2.34	0.32	10.58	1.15	27.06	3.12
	14.03	POST	0.60	1.03	2.48	2.63	21.56	6.10
11.5	2.05	PRE	0.68	0.08	2.85	0.28	7.06	0.74
	1.65	POST	0.45	0.10	1.77	0.28	4.95	0.67
11.6	21.18	PRE	4.63	0.70	22.95	2.63	60.46	7.29
	5.54	POST	1.52	0.26	6.55	0.82	17.67	2.10
11.7	28.44	PRE	6.60	0.98	31.64	3.62	82.48	9.92
	28.30	POST	4.74	1.10	26.18	3.82	74.79	10.18
12	15.71	PRE	2.47	0.52	11.94	1.95	31.93	5.41
	19.29	POST	2.19	0.85	10.03	3.69	30.76	7.18
TOTAL	458.60	PRE						
ACRES	461.49	POST						