

Appendix 2 – Water Quality Modeling
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Table VI.Appendix.2-1
Watershed pollutant loading (PLOAD) results for Painter Creek watershed
Existing conditions calibrated to 4.5 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
PC-1	449.0	111.21	125.03	37.37	75.09	0.08	0.17	409.26	620.80	0.91	1.38	12293	17609	27	39
PC-2	261.3	56.69	70.15	19.20	55.66	0.07	0.21	250.58	441.56	0.96	1.69	8100	13884	31	53
PC-3	151.5	36.63	36.66	3.88	4.61	0.03	0.03	94.84	118.01	0.63	0.78	1946	2938	13	19
PC-4	757.8	289.70	294.84	105.65	128.3	0.14	0.17	1094.74	1295.69	1.44	1.71	34661	40532	46	53
PC-5	157.0	67.53	68.81	6.64	7.2	0.04	0.05	147.84	163.69	0.94	1.04	1954	2795	12	18
PC-6	197.3	122.22	128.85	91.33	98.99	0.46	0.50	700.03	794.70	3.55	4.03	33347	38066	169	193
PC-7	154.7	83.62	93.73	66.62	69.75	0.43	0.45	499.29	565.45	3.23	3.66	20090	25714	130	166
PC-8	1067.8	642.60	645.21	134.88	141.32	0.13	0.13	1440.17	1592.07	1.35	1.49	22020	26469	21	25
PC-9	582.9	286.23	302.95	166.01	215.69	0.28	0.37	1277.14	1553.34	2.19	2.66	41331	46064	71	79
PC-10	63.5	24.03	25.80	22.99	31.13	0.36	0.49	152.43	205.50	2.40	3.23	7142	7311	112	115
PC-11	705.7	259.87	268.29	158.74	209.04	0.22	0.30	1365.37	1705.03	1.93	2.42	54975	56846	78	81
PC-12	56.0	16.03	18.59	13.62	20.63	0.24	0.37	103.71	138.24	1.85	2.47	5200	5643	93	101
PC-13	338.4	122.32	130.66	98.85	126.34	0.29	0.37	759.36	913.24	2.24	2.70	31128	33083	92	98
PC-14	100.4	26.96	30.19	16.13	25.18	0.16	0.25	137.98	185.39	1.37	1.85	5017	6194	50	62
PC-15	50.5	16.90	17.95	14.98	18.10	0.30	0.36	109.81	125.59	2.17	2.49	4693	5129	93	102
PC-16	577.5	213.21	229.51	95.33	137.11	0.17	0.24	899.65	1200.43	1.56	2.08	32528	39648	56	69

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
PC-17	283.6	71.06	74.97	40.42	55.12	0.14	0.19	413.18	500.15	1.46	1.76	15732	16613	55	59
PC-18	344.0	64.75	67.18	38.36	42.52	0.11	0.12	464.24	591.11	1.35	1.72	15972	16456	46	48
PC-19	105.7	29.22	29.22	20.67	20.60	0.20	0.19	209.79	302.09	1.99	2.86	7626	7687	72	73
PC-20	356.9	101.24	107.42	61.55	80.50	0.17	0.23	650.86	904.77	1.82	2.53	23155	25504	65	71
PC-21	1175.8	355.21	374.88	251.46	302.24	0.21	0.26	1915.04	2306.59	1.63	1.96	60259	67553	51	57
PC-22	195.4	60.89	64.96	32.91	49.14	0.17	0.25	348.98	385.36	1.79	1.97	11298	11877	58	61
PC-23	30.6	9.52	10.33	5.30	8.46	0.17	0.28	48.71	65.02	1.59	2.13	1749	1971	57	64
PC-24	174.8	39.75	47.84	28.04	52.43	0.16	0.30	241.57	359.69	1.38	2.06	9264	12167	53	70
PC-25	267.1	77.76	100.51	36.51	84.91	0.14	0.32	354.00	647.16	1.33	2.42	13071	22461	49	84
PC-26	47.4	24.27	25.16	23.05	27.09	0.49	0.57	150.97	184.24	3.18	3.89	7036	7269	148	153
Total	8653	3209	3390	1590	2087			14240	17865			481588	557483		

Table IV.Appendix.2-2
Watershed pollutant loading (PLOAD) results for Dutch Lake watershed
Existing conditions calibrated to 4.4 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
DL-1	152.4	36.58	42.75	16.07	31.97	0.11	0.21	187.64	258.36	1.23	1.70	6362	8207	42	54
DL-2	139.1	32.72	33.76	13.82	21.56	0.10	0.15	135.14	181.78	0.97	1.31	5449	5724	39	41
DL-3	608.7	143.22	161.96	68.95	124.13	0.11	0.20	715.11	1003.14	1.17	1.65	26019	32478	43	53
DL-4	217.2	51.52	59.13	17.70	40.21	0.08	0.19	194.88	333.46	0.90	1.53	6992	11010	32	51
DL-5	624.4	376.79	391.56	98.12	135.74	0.16	0.22	1153.16	1388.58	1.85	2.22	27906	35195	45	56
DL-6	96.5	45.85	47.91	31.31	34.42	0.32	0.36	197.26	273.73	2.04	2.84	8855	14838	92	154
DL-7	49.4	11.04	17.41	8.48	19.14	0.17	0.39	63.02	131.50	1.28	2.66	2554	4747	52	96
Total	1888	698	754	254	407			2646	3571			84138	112200		

Table IV.Appendix.2-3
Watershed pollutant loading (PLOAD) results for Langdon Lake watershed
Existing conditions calibrated to 4.4 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
LL-1	119.5	37.22	40.50	3.50	15.05	0.03	0.13	73.32	140.22	0.61	1.17	1122	3719	9	31
LL-2	74.7	5.81	9.41	2.19	11.47	0.03	0.15	21.44	75.46	0.29	1.01	753	2532	10	34
LL-3	313.7	84.20	104.48	29.80	66.32	0.10	0.21	308.48	521.55	0.98	1.66	8559	15050	27	48
LL-4	77.2	17.13	19.85	11.50	17.79	0.15	0.23	90.17	127.23	1.17	1.65	3652	4505	47	58
LL-5	470.2	239.14	254.01	101.12	115.02	0.22	0.24	895.13	1044.39	1.90	2.22	25208	33105	54	70
Total	1055	384	428	148	226			1389	1909			39293	58912		

Table IV.Appendix.2-4
Watershed pollutant loading (PLOAD) results for Six Mile Creek watershed
Existing conditions calibrated to 4.2 inches mean annual runoff

ubshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SMC-1	1199.7	484.77	533.65	124.87	206.46	0.10	0.17	1819.22	2173.12	1.52	1.81	45411	55142	38	46
SMC-2	393.0	152.70	159.20	23.04	27.95	0.06	0.07	476.19	551.23	1.21	1.40	10129	12805	26	33
SMC-3	94.3	15.09	16.06	5.90	6.38	0.06	0.07	98.09	104.16	1.04	1.10	3041	3516	32	37
SMC-4	237.9	40.52	76.89	22.81	70.67	0.10	0.30	329.95	543.67	1.39	2.29	10614	19038	45	80
SMC-5	965.1	397.38	487.50	111.76	222.04	0.12	0.23	1420.37	2142.02	1.47	2.22	37961	66419	39	69
SMC-6	105.4	29.09	39.82	13.42	33.05	0.13	0.31	177.50	250.66	1.68	2.38	5375	7666	51	73
SMC-7	265.1	119.34	139.09	16.35	49.24	0.06	0.19	402.06	515.98	1.52	1.95	7607	11883	29	45
SMC-8	200.7	72.36	75.42	56.40	69.54	0.28	0.35	442.41	562.42	2.20	2.80	16790	21557	84	107
SMC-9	130.0	61.53	63.35	35.80	42.42	0.28	0.33	293.55	353.27	2.26	2.72	10053	12244	77	94
SMC-10	58.1	35.31	39.27	10.66	17.65	0.18	0.30	120.37	155.43	2.07	2.68	3134	4221	54	73
SMC-11	385.7	116.96	154.37	56.89	98.15	0.15	0.25	616.21	871.84	1.60	2.26	21487	33721	56	87
SMC-12	180.0	79.26	91.12	73.22	99.42	0.41	0.55	532.95	709.38	2.96	3.94	20518	25452	114	141
SMC-13	71.4	32.88	33.90	31.08	33.10	0.44	0.46	217.89	241.42	3.05	3.38	7942	8659	111	121
SMC-14	578.0	344.85	346.57	97.28	102.13	0.17	0.18	1072.81	1136.61	1.86	1.97	30424	34778	53	60
SMC-15	145.7	39.33	39.33	6.84	7.65	0.05	0.05	177.02	178.88	1.22	1.23	4172	4211	29	29
SMC-16	42.6	7.44	7.56	0.66	0.67	0.02	0.02	21.90	31.14	0.51	0.73	626	1397	15	33

ubshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SMC-17	46.4	22.07	22.07	2.10	2.10	0.05	0.05	64.01	103.34	1.38	2.22	2332	6316	50	136
SMC-18	791.1	272.52	290.80	27.62	62.76	0.03	0.08	784.69	946.69	0.99	1.20	15393	23717	19	30
SMC-19	76.7	7.53	7.53	2.54	3.68	0.03	0.05	46.72	50.87	0.61	0.66	1385	1823	18	24
SMC-20	180.7	55.42	55.42	6.20	6.48	0.03	0.04	167.80	186.88	0.93	1.03	3365	4703	19	26
SMC-21	83.3	13.38	13.37	0.87	0.87	0.01	0.01	41.31	44.10	0.50	0.53	789	867	9	10
SMC-22	523.6	352.20	353.70	70.62	69.89	0.13	0.13	913.17	956.03	1.74	1.83	18459	20769	35	40
SMC-23	84.6	10.78	10.78	1.11	1.11	0.01	0.01	24.43	24.44	0.29	0.29	360	360	4	4
SMC-24	138.9	67.70	67.70	2.36	2.36	0.02	0.02	130.93	130.93	0.94	0.94	944	944	7	7
SMC-25	118.3	22.94	22.94	4.54	5.43	0.04	0.05	103.22	109.41	0.87	0.92	2646	3117	22	26
SMC-26	70.7	16.61	21.76	12.05	22.23	0.17	0.31	131.09	165.01	1.85	2.33	4808	5746	68	81
SMC-27	361.7	240.02	242.63	32.37	37.07	0.09	0.10	605.52	648.13	1.67	1.79	11186	14779	31	41
SMC-28	163.4	83.27	84.72	15.63	19.68	0.10	0.12	261.89	281.07	1.60	1.72	5722	6715	35	41
SMC-29	328.6	208.51	208.56	10.36	13.50	0.03	0.04	418.84	453.50	1.27	1.38	4308	6564	13	20
SMC-30	127.3	58.76	58.76	2.35	2.35	0.02	0.02	105.01	110.34	0.82	0.87	728	1328	6	10
SMC-31	236.1	38.20	38.21	4.38	4.38	0.02	0.02	119.84	128.53	0.51	0.54	2490	3326	11	14
SMC-32	532.9	121.44	129.53	56.18	67.58	0.11	0.13	806.98	927.00	1.51	1.74	24623	26337	46	49
SMC-33	89.2	16.42	16.77	13.70	15.49	0.15	0.17	163.32	192.07	1.83	2.15	6026	5796	68	65
SMC-34	164.4	35.72	43.07	31.78	47.05	0.19	0.29	358.35	361.32	2.18	2.20	12500	12501	76	76

ubshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SMC-35	121.2	29.30	29.34	21.43	24.65	0.18	0.20	173.26	229.23	1.43	1.89	6799	6286	56	52
SMC-36	312.4	123.53	123.52	13.91	15.88	0.04	0.05	302.54	328.72	0.97	1.05	5465	6286	17	20
SMC-37	345.8	158.02	158.01	6.30	6.32	0.02	0.02	291.83	296.02	0.84	0.86	1870	2101	5	6
SMC-38	126.8	22.65	22.65	15.20	14.41	0.12	0.11	173.16	225.28	1.37	1.78	6255	6556	49	52
SMC-39	191.3	32.12	32.11	11.72	11.75	0.06	0.06	212.13	216.33	1.11	1.13	6047	6074	32	32
SMC-40	164.7	33.90	39.10	20.12	27.89	0.12	0.17	215.57	270.72	1.31	1.64	8381	9620	51	58
SMC-41	584.1	101.15	101.47	37.35	36.52	0.06	0.06	544.05	687.53	0.93	1.18	17134	19485	29	33
SMC-42	153.2	24.43	24.62	9.18	9.89	0.06	0.06	114.73	132.25	0.75	0.86	3633	3681	24	24
SMC-43	406.2	83.84	83.84	31.96	32.46	0.08	0.08	397.56	554.90	0.98	1.37	12468	14179	31	35
SMC-44	136.0	23.57	24.23	3.88	6.31	0.03	0.05	79.04	92.51	0.58	0.68	2162	2887	16	21
SMC-45	72.7	8.73	8.73	0.72	0.72	0.01	0.01	23.96	23.95	0.33	0.33	405	405	6	6
SMC-46	48.3	8.09	8.09	0.62	0.62	0.01	0.01	24.24	24.75	0.50	0.51	439	453	9	9
SMC-47	823.4	404.87	405.12	33.12	35.30	0.04	0.04	860.04	991.04	1.04	1.20	11376	13821	14	17
SMC-48	96.7	21.96	21.96	7.60	8.10	0.08	0.08	74.28	138.05	0.77	1.43	2562	3508	26	36
SMC-49	199.8	27.42	37.18	11.37	31.87	0.06	0.16	163.96	240.21	0.82	1.20	5055	7771	25	39
SMC-50	30.4	7.25	8.45	4.77	7.15	0.16	0.24	38.35	52.97	1.26	1.74	1704	2243	56	74
SMC-51	26.3	3.56	6.46	2.50	5.95	0.10	0.23	33.69	42.19	1.28	1.60	1180	1856	45	71
SMC-52	49.4	14.24	22.59	5.47	13.56	0.11	0.27	68.94	117.88	1.40	2.39	2489	5834	50	118

ubshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SMC-53	245.6	41.67	47.93	33.76	41.24	0.14	0.17	395.18	490.18	1.61	2.00	14197	16164	58	66
SMC-54	251.8	45.13	50.01	22.18	28.39	0.09	0.11	311.63	376.89	1.24	1.50	9618	10330	38	41
SMC-55	688.1	117.95	151.35	56.12	107.89	0.08	0.16	768.46	1066.57	1.12	1.55	22628	31418	33	46
SMC-56	142.2	26.20	44.28	18.89	45.68	0.13	0.32	204.48	319.80	1.44	2.25	7401	11024	52	78
SMC-57	28.2	9.69	10.21	11.83	11.94	0.42	0.42	77.46	79.84	2.74	2.83	2579	2928	91	104
SMC-58	48.0	19.46	21.17	18.55	20.47	0.39	0.43	123.19	142.42	2.56	2.96	5881	6651	122	138
SMC-59	215.8	37.48	77.40	21.48	74.35	0.10	0.34	241.69	553.65	1.12	2.57	9136	20074	42	93
SMC-60	80.6	32.09	39.07	26.06	31.09	0.32	0.39	191.20	231.68	2.37	2.88	9376	13122	116	163
SMC-61	566.4	213.58	238.09	50.17	80.92	0.09	0.14	700.30	991.48	1.24	1.75	20306	30090	36	53
SMC-62	215.5	91.13	102.59	86.60	109.44	0.40	0.51	611.94	784.88	2.84	3.64	24534	27691	114	128
SMC-63	120.2	44.72	48.54	42.29	48.52	0.35	0.40	297.09	345.61	2.47	2.88	11767	13408	98	112
SMC-64	33.9	9.35	9.57	8.15	9.41	0.24	0.28	58.04	66.90	1.71	1.97	2294	2231	68	66
SMC-65	119.4	20.80	32.21	12.63	31.05	0.11	0.26	138.17	222.26	1.16	1.86	5126	8256	43	69
SMC-66	1211.2	282.44	360.70	83.28	220.54	0.07	0.18	1318.61	1982.50	1.09	1.64	40870	62615	34	52
Total	17026	5793	6382	1713	2621			22694	28660			634485	837465		

Table IV.Appendix.2-5
Watershed pollutant loading (PLOAD) results for Long Lake Creek watershed
Existing conditions calibrated to 4.7 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
LLC-1	295.4	163.36	169.05	27.43	45.73	0.09	0.15	441.59	530.05	1.49	1.79	9936	10397	34	35
LLC-2	266.6	76.94	81.29	18.99	39.72	0.07	0.15	258.85	367.35	0.97	1.38	7606	10040	29	38
LLC-3	212.9	51.08	59.22	33.52	57.50	0.16	0.27	283.03	427.96	1.33	2.01	12042	14293	57	67
LLC-4	267.8	77.62	87.73	28.44	56.12	0.11	0.21	323.10	475.72	1.21	1.78	10752	14056	40	52
LLC-5	174.1	46.37	50.95	11.62	24.87	0.07	0.14	151.42	229.28	0.87	1.32	4143	6058	24	35
LLC-6	375.5	119.23	126.81	42.57	66.38	0.11	0.18	446.32	564.09	1.19	1.50	13192	15842	35	42
LLC-7	199.4	54.26	61.40	27.15	46.86	0.14	0.24	284.42	379.76	1.43	1.90	10401	11698	52	59
LLC-8	577.6	152.89	170.05	83.62	136.78	0.14	0.24	797.67	1092.86	1.38	1.89	28698	33912	50	59
LLC-9	172.9	43.28	47.61	30.62	45.53	0.18	0.26	233.96	335.22	1.35	1.94	9575	11054	55	64
LLC-10	463.4	221.92	234.85	90.00	143.47	0.19	0.31	790.24	1149.40	1.71	2.48	25867	33029	56	71
LLC-11	419.4	116.65	126.59	69.01	103.79	0.16	0.25	607.21	802.12	1.45	1.91	24556	25244	59	60
LLC-12	169.7	48.04	55.36	24.90	44.39	0.15	0.26	229.89	323.30	1.35	1.90	8464	9980	50	59
LLC-13	107.6	15.43	17.85	7.76	14.99	0.07	0.14	64.00	108.17	0.59	1.00	2252	3335	21	31
LLC-14	60.0	8.55	9.18	4.77	6.29	0.08	0.10	36.59	46.92	0.61	0.78	1366	1744	23	29
LLC-15	36.2	13.15	13.87	10.30	12.54	0.28	0.35	71.69	87.24	1.98	2.41	2842	3200	79	88
LLC-16	78.3	23.69	26.01	13.10	20.41	0.17	0.26	114.36	164.08	1.46	2.09	4750	5802	61	74
LLC-17	61.3	10.78	10.88	5.13	5.39	0.08	0.09	44.86	51.01	0.73	0.83	1762	1835	29	30
LLC-18	108.1	27.50	28.94	17.43	24.70	0.16	0.23	141.16	188.97	1.31	1.75	5846	5969	54	55

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
LLC-19	141.4	26.76	32.78	17.23	35.81	0.12	0.25	131.85	246.37	0.93	1.74	5971	8370	42	59
LLC-20	123.1	72.19	73.11	74.72	72.62	0.61	0.59	510.40	515.40	4.15	4.19	16860	18065	137	147
LLC-21	475.6	293.53	297.98	144.40	160.79	0.30	0.34	1215.94	1329.87	2.56	2.80	35782	36905	75	78
LLC-22	104.3	31.59	33.88	28.37	36.30	0.27	0.35	200.75	250.19	1.93	2.40	9174	9490	88	91
LLC-23	143.7	57.99	58.77	28.93	36.07	0.20	0.25	249.81	295.19	1.74	2.05	8966	8270	62	58
LLC-24	180.4	46.57	48.12	23.41	33.37	0.13	0.18	186.35	252.55	1.03	1.40	7823	8217	43	46
LLC-25	158.9	67.59	71.93	42.26	52.82	0.27	0.33	348.03	410.98	2.19	2.59	12452	14146	78	89
LLC-26	173.1	56.35	71.85	33.96	51.74	0.20	0.30	262.60	440.41	1.52	2.54	12893	20581	74	119
LLC-27	30.7	28.99	34.14	22.46	25.94	0.73	0.84	164.09	208.21	5.34	6.77	10261	12159	334	396
LLC-28	9.2	3.74	4.34	2.63	2.96	0.29	0.32	17.30	24.73	1.88	2.69	1015	1366	110	148
LLC-29	40.8	19.95	37.19	14.17	28.01	0.35	0.69	113.46	228.41	2.78	5.60	6213	13060	152	320
LLC-30	29.2	34.04	36.19	25.99	27.65	0.89	0.95	204.24	221.90	7.00	7.60	11907	12868	408	441
LLC-31	36.1	11.53	11.79	10.80	12.74	0.30	0.35	74.35	87.92	2.06	2.44	3067	2989	85	83
LLC-32	28.6	11.24	16.46	11.16	15.70	0.39	0.55	75.64	123.43	2.65	4.32	2721	5172	95	181
LLC-33	10.8	6.31	6.30	6.37	7.27	0.59	0.67	44.94	50.55	4.15	4.67	1534	1825	142	169
LLC-34	85.2	38.29	38.45	37.77	39.92	0.44	0.47	253.14	278.05	2.97	3.26	10267	10981	120	129
LLC-35	38.7	47.38	48.63	36.76	38.27	0.95	0.99	292.80	300.61	7.57	7.78	16649	17222	431	445
LLC-36	23.9	21.13	21.17	19.71	18.42	0.82	0.77	135.34	138.50	5.66	5.79	6769	7340	283	307
LLC-37	31.0	17.11	19.93	14.04	16.77	0.45	0.54	99.73	118.48	3.22	3.82	5466	6814	176	220
LLC-38	23.9	21.63	21.94	16.29	16.47	0.68	0.69	121.03	122.73	5.07	5.14	7518	7833	315	328

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
LLC-39	47.9	27.63	27.63	29.25	28.40	0.61	0.59	206.59	213.51	4.32	4.46	7491	8174	157	171
LLC-40	126.9	28.72	30.35	16.56	19.03	0.13	0.15	143.57	160.16	1.13	1.26	4317	5237	34	41
LLC-41	741.4	548.05	553.92	139.54	152.60	0.19	0.21	1560.26	1673.19	2.10	2.26	36815	41526	50	56
LLC-42	105.5	35.65	38.36	27.08	31.90	0.26	0.30	206.47	239.59	1.96	2.27	6611	8677	63	82
LLC-43	59.2	31.39	32.44	19.47	20.57	0.33	0.35	158.33	171.13	2.67	2.89	6010	6826	101	115
LLC-44	87.8	24.32	24.75	16.02	22.88	0.18	0.26	127.55	166.22	1.45	1.89	5161	5221	59	59
LLC-45	47.7	13.78	14.49	9.93	13.97	0.21	0.29	76.00	98.78	1.59	2.07	2962	3420	62	72
LLC-46	141.5	40.96	43.97	7.94	20.99	0.06	0.15	120.40	196.53	0.85	1.39	2888	5150	20	36
LLC-47	169.6	68.00	69.18	52.55	61.59	0.31	0.36	391.86	465.93	2.31	2.75	13262	15743	78	93
LLC-48	170.1	82.58	85.66	86.67	96.87	0.51	0.57	574.85	666.85	3.38	3.92	22818	23704	134	139
LLC-49	59.2	22.79	23.83	12.55	16.42	0.21	0.28	113.95	140.30	1.93	2.37	4250	4637	72	78
LLC-50	158.0	67.15	67.15	41.77	47.56	0.26	0.30	354.80	409.46	2.25	2.59	13612	13533	86	86
LLC-51	123.0	60.90	61.32	45.14	46.33	0.35	0.36	347.35	375.22	2.67	2.89	13226	13598	102	105
LLC-52	142.0	108.68	108.71	26.47	28.42	0.19	0.20	420.30	436.78	2.96	3.08	11033	10784	78	76
LLC-53	94.1	86.08	87.13	11.94	15.38	0.13	0.16	191.49	215.26	2.04	2.29	3140	3581	33	38
Total	8215	3431	3631	1701	2248			15016	18597			530952	610973		

Table IV.Appendix.2-6
Watershed pollutant loading (PLOAD) results for Gleason Lake Creek watershed
Existing conditions calibrated to 4.7 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
GLC-1	283.2	104.62	105.12	113.17	109.04	0.40	0.38	762.74	761.15	2.69	2.69	26562	28115	94	99
GLC-2	101.4	41.21	41.22	32.98	32.46	0.33	0.32	235.92	246.86	2.33	2.43	8118	8339	80	82
GLC-3	341.5	115.84	116.08	124.40	122.46	0.36	0.36	842.41	852.89	2.47	2.50	27754	30213	81	88
GLC-4	303.7	135.16	160.10	89.82	109.74	0.30	0.36	686.03	859.98	2.26	2.83	31543	44161	104	145
GLC-5	406.4	143.92	144.58	137.86	133.75	0.34	0.33	1008.37	1039.26	2.48	2.56	39090	42407	96	104
GLC-6	205.9	79.18	79.71	82.58	82.09	0.40	0.40	553.15	580.90	2.69	2.82	21312	24857	103	121
GLC-7	345.1	135.60	137.58	120.54	120.07	0.35	0.35	873.24	911.10	2.53	2.64	31453	33965	91	98
GLC-8	157.7	39.27	40.32	35.07	37.66	0.22	0.24	226.28	267.45	1.43	1.70	8638	11534	55	73
GLC-9	460.1	228.07	232.68	117.98	127.41	0.26	0.28	980.22	1069.01	2.13	2.32	34283	38491	75	84
GLC-10	45.3	21.63	22.33	18.56	21.23	0.41	0.47	160.45	167.77	3.55	3.71	7156	7087	158	157
GLC-11	123.7	50.66	51.74	42.98	44.89	0.35	0.36	312.86	330.22	2.53	2.67	14773	15906	119	129
HL-1	332.0	138.53	141.50	133.42	133.46	0.40	0.40	938.47	969.58	2.83	2.92	35670	39530	107	119
HL-2	204.9	73.16	78.20	45.22	53.66	0.22	0.26	358.47	421.66	1.75	2.06	11278	13165	55	64
HL-3	41.8	11.05	11.05	11.80	11.37	0.28	0.27	80.22	82.05	1.92	1.96	2654	2984	63	71
HL-4	157.8	62.09	62.20	58.28	56.02	0.37	0.36	418.02	419.25	2.65	2.66	13357	13996	85	89
HL-5	254.4	101.56	102.74	84.53	90.23	0.33	0.35	606.32	675.08	2.38	2.65	23831	27631	94	109

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
Total	3765	1482	1527	1249	1286			9043	9654			337473	382380		

Table IV.Appendix.2-7
Watershed pollutant loading (PLOAD) results for Schutz Lake watershed
Existing conditions calibrated to 4.2 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SL-1	312.1	71.44	85.76	52.36	83.36	0.17	0.27	455.05	658.31	1.46	2.11	19875	21615	64	69
SL-2	145.5	27.38	43.04	21.03	38.15	0.14	0.26	182.22	299.24	1.25	2.06	7260	12063	50	83
SL-3	403.9	215.06	221.39	65.27	80.55	0.16	0.20	638.06	831.99	1.58	2.06	19296	23043	48	57
SL-4	107.4	24.52	25.59	6.02	8.56	0.06	0.08	93.69	108.26	0.87	1.01	2540	3292	24	31
Total	969	338	376	145	211			1369	1898			48972	60014		

Table IV.Appendix.2-8
Watershed pollutant loading (PLOAD) results for Lake Virginia watershed
Existing conditions calibrated to 4.3 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
LMC-1	76.4	9.57	9.57	0.92	1.23	0.01	0.02	31.04	34.19	0.41	0.45	636	707	8	9
LMC-2	364.8	50.66	51.19	9.35	14.90	0.03	0.04	169.29	255.93	0.46	0.70	4888	7242	13	20
LMC-3	115.0	23.08	23.08	1.74	4.64	0.02	0.04	66.01	85.04	0.57	0.74	1573	3007	14	26
LMC-4	122.0	15.96	15.96	4.08	5.01	0.03	0.04	63.33	80.69	0.52	0.66	1910	2397	16	20
LMC-5	82.6	10.11	12.13	3.00	4.77	0.04	0.06	36.46	54.07	0.44	0.66	1002	1840	12	22
LMC-6	159.7	47.97	47.95	32.40	33.87	0.20	0.21	225.36	290.29	1.41	1.82	10160	11834	64	74
LMC-7	89.8	41.93	41.93	37.86	36.40	0.42	0.41	258.98	274.09	2.88	3.05	11957	12193	133	136
LMC-8	152.0	23.55	23.55	19.77	27.36	0.13	0.18	141.54	187.55	0.93	1.23	5002	6621	33	44
LMC-9	214.5	63.70	67.90	33.20	45.71	0.15	0.21	276.08	366.01	1.29	1.71	10659	11072	50	52
LMC-10	1700.7	815.25	829.31	173.49	199.11	0.10	.12	2272.14	2547.61	1.34	1.50	47676	57434	28	34
LV-1	215.1	58.12	68.13	19.32	33.96	0.09	0.16	216.71	344.40	1.01	1.60	7469	10211	35	47
LV-2	27.3	3.94	5.44	3.41	6.40	0.12	0.23	22.70	42.32	0.83	1.55	1032	1505	38	55
LV-3	65.0	18.84	20.50	17.70	21.74	0.27	0.33	115.75	153.69	1.78	2.36	5602	6008	86	92
LV-4	173.2	64.42	57.93	47.08	54.84	0.27	0.32	342.18	405.88	1.98	2.34	11167	14943	64	86
LV-5	87.0	17.80	24.79	17.02	26.31	0.20	0.30	118.81	184.48	1.37	2.12	3864	6825	44	78
LV-6	350.6	162.84	164.55	65.04	71.17	0.19	0.20	592.87	645.16	1.69	1.84	16460	17153	47	49
Total	3996	1428	1464	485	587			4949	5951			141057	170992		

Table IV.Appendix.2-9
Watershed pollutant loading (PLOAD) results for Christmas Lake watershed
Existing conditions calibrated to 4.3 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
CL-1	176.7	37.67	37.67	34.08	34.92	0.19	0.20	235.71	256.22	1.33	1.45	8476	9162	48	52
CL-2	46.3	6.92	6.92	5.52	5.44	0.12	0.12	40.15	42.97	0.87	0.93	1403	1553	30	34
CL-3	29.6	8.85	8.85	4.26	3.73	0.14	0.13	35.76	36.01	1.21	1.22	1192	1315	40	44
CL-4	21.8	6.48	6.48	6.03	6.07	0.28	0.28	41.51	43.74	1.90	2.00	1492	1490	68	68
CL-5	467.8	207.59	207.59	45.25	45.37	0.10	0.10	550.53	561.70	1.18	1.20	10599	11085	23	24
Total	742	268	268	95	96			904	941			23164	24605		

Table IV.Appendix.2-10
Watershed pollutant loading (PLOAD) results for Lake Minnetonka and its direct drainage
Existing conditions calibrated to 4.7 inches mean annual runoff.
Figures do not include Lake Minnetonka open water contribution.

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
CK-LM	204.1	45.20	45.20	49.13	47.86	0.24	0.23	327	336	1.60	1.65	11617	13310	57	65
CRM1-LM	242.7	47.88	47.88	47.53	48.23	0.20	0.20	324	339	1.33	1.40	13106	14034	54	58
CRM2-LM	140.5	31.52	31.22	28.76	27.40	0.20	0.20	210	211	1.50	1.50	7100	7393	51	53
CRS-LM	294.8	42.58	42.58	38.00	37.89	0.13	0.13	276	287	0.94	0.97	9430	10924	32	37
CYB1-LM	119.9	30.32	30.32	35.67	33.47	0.30	0.28	236	232	1.97	1.93	8466	8882	71	74
CYB2-LM	212.9	35.13	35.13	29.25	31.76	0.14	0.15	215	235	1.01	1.10	7430	8626	35	41
EU-LM	189.5	36.39	36.39	40.39	39.13	0.21	0.21	270	275	1.42	1.45	9207	9506	49	50
GB-LM	404.6	182.59	195.54	104.59	116.61	0.26	0.29	384	426	0.95	1.05	24922	31690	62	78
HB-LM	776.3	142.29	186.26	117.71	194.76	0.15	0.25	928	1376	1.20	1.77	33793	47061	44	61
HR-LM	231.7	50.29	51.79	55.47	55.76	0.24	0.24	374	402	1.61	1.73	14375	15757	62	68
JB-LM	563.7	121.74	126.52	127.86	139.05	0.23	0.25	865	965	1.53	1.71	33129	35014	59	62
LB-LM	312.7	63.67	63.66	58.90	56.24	0.19	0.18	419	436	1.34	1.39	14996	16617	48	53
MB-LM	282.9	78.01	79.09	70.13	83.44	0.25	0.29	512	568	1.81	2.01	21165	21438	75	76
NA-LM	461.1	88.02	91.62	84.18	97.64	0.18	0.21	605	683	1.31	1.48	21358	23822	46	52
NL-LM	857.8	106.60	107.04	114.89	114.80	0.13	0.13	769	798	0.90	0.93	27271	28729	32	33
PH-LM	65.7	13.61	14.30	12.91	13.99	0.20	0.21	92	104	1.39	1.59	3407	3686	52	56
PR-LM	141.5	27.01	27.03	28.84	28.17	0.20	0.20	198	202	1.40	1.42	6866	7128	49	50

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
SBL-LM	329.1	77.61	77.62	65.56	64.46	0.20	0.20	247	258	0.75	0.78	10365	11059	31	34
SL-LM	488.9	94.19	96.71	77.60	85.24	0.16	0.17	499	521	1.02	1.07	18891	20046	39	41
SP-LM	334.8	77.25	77.25	79.67	80.39	0.24	0.24	490	549	1.46	1.64	19139	20110	57	60
SA-LM	220.1	36.98	36.98	35.94	36.94	0.16	0.17	571	624	2.59	2.84	26413	29763	120	135
SB-LM	251.1	69.36	71.39	72.75	81.40	0.29	0.32	552	577	2.20	2.30	21435	21983	85	88
TB-LM	410.7	94.58	94.58	89.05	93.20	0.22	0.23	629	683	1.53	1.66	25912	28470	63	69
WA-LM	382.1	92.85	92.85	94.06	90.60	0.25	0.24	656	654	1.72	1.71	26495	27776	69	73
WB-LM	512.8	106.22	106.22	104.74	105.12	0.20	0.20	727	759	1.42	1.48	29858	32770	58	64
WU-LM	812.9	116.63	116.31	105.51	124.69	0.13	0.15	760	857	0.93	1.05	27461	30210	34	37
Total	9041	1863	1936	1720	1880			11807	13021			461991	512494		

**Table IV.Appendix.2-11
Watershed pollutant loading (PLOAD) results for minor watersheds**

Existing conditions calibrated to 4.7 inches mean annual runoff, except for Halsteds 4.2 inches, and Forest Lake 5.0 inches
(See Table IV.K.1-1 for a list of the subwatershed names)

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
BB-1	264.6	29.06	29.06	13.46	16.41	0.05	0.06	125.34	166.57	0.47	0.63	5521	6643	21	25
BB-2	103.5	21.12	21.12	7.81	8.33	0.08	0.08	87.31	95.69	0.84	0.92	2809	2858	27	28
BB-3	52.7	9.54	9.54	8.78	8.21	0.17	0.16	62.09	61.88	1.18	1.18	2142	2399	41	46
BB-4	88.1	14.00	14.00	9.32	11.15	0.11	0.13	73.34	87.57	0.83	0.99	3229	2933	37	33
CLC-1	321.5	186.18	188.58	57.42	66.88	0.18	0.21	588.26	719.83	1.83	2.24	17262	22640	54	70
CLC-2	123.4	41.39	58.14	14.26	29.54	0.12	0.24	180.24	315.51	1.46	2.56	5983	12467	48	101
CLC-3	327.5	88.40	97.00	49.69	75.58	0.15	0.23	415.34	581.21	1.27	1.77	16809	19957	51	61
CLC-4	160.1	50.84	51.82	50.79	59.02	0.32	0.37	354.09	397.70	2.21	2.48	14298	13525	89	84
CLC-5	61.1	20.71	21.47	23.03	25.52	0.38	0.42	155.88	169.28	2.55	2.77	5354	6021	88	99
CRS-1	174.5	35.28	35.28	25.06	25.11	0.14	0.14	190.27	201.24	1.09	1.15	7940	8686	45	50
CRS-2	127.5	23.99	23.99	17.41	17.83	0.14	0.14	138.57	144.25	1.09	1.13	4971	5051	39	40
EU-1	163.5	27.99	27.99	19.59	25.48	0.12	0.16	155.51	193.43	0.95	1.18	5684	7247	35	44
EU-2	217.3	41.21	41.21	42.95	45.36	0.20	0.21	283.42	316.41	1.30	1.46	10847	11088	50	51
EU-3	312.8	79.96	79.96	51.97	53.99	0.17	0.17	441.15	480.15	1.41	1.54	14998	15195	48	49
EU-4	453.0	92.77	93.80	85.14	90.88	0.19	0.20	613.61	671.04	1.35	1.48	22346	23120	49	51
FL-1	295.0	89.52	109.40	55.41	97.21	0.19	0.33	451.50	731.16	1.53	2.48	18657	24268	63	82
FL-2	193.8	47.91	51.74	24.31	36.22	0.13	0.19	207.60	273.01	1.07	1.41	7437	9782	38	50

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
FL-3	455.1	258.07	266.66	135.11	152.46	0.30	0.34	1112.09	1244.71	2.44	2.74	33556	38397	74	84
FR	892.2	351.87	354.31	199.78	232.67	0.22	0.26	1732.91	1967.11	1.94	2.20	62156	62311	70	70
GB-1	145.3	39.16	43.82	20.02	26.03	0.14	0.18	104.84	128.57	0.72	0.88	5065	6717	35	46
GB-2	120.4	53.77	53.77	35.09	36.56	0.29	0.30	152.21	157.13	1.26	1.30	8131	9228	68	77
GL-1	505.3	128.16	128.16	102.87	98.86	0.20	0.20	735.99	768.87	1.46	1.52	27993	30104	55	60
HB-1	128.8	28.91	38.84	16.03	35.58	0.12	0.28	132.79	254.91	1.03	1.98	6079	8780	47	68
HB-2	254.4	25.04	28.39	16.36	23.75	0.06	0.09	216.44	256.13	0.85	1.01	7063	7895	28	31
HB-3	130.1	17.50	22.14	9.89	20.38	0.08	0.16	96.58	150.80	0.74	1.16	3751	5481	29	42
HB-4	138.7	21.15	26.34	8.15	18.82	0.06	0.14	105.77	160.00	0.76	1.15	3732	5165	27	37
HB-5	194.0	30.40	36.12	14.45	26.49	0.07	0.14	158.64	240.12	0.82	1.24	5766	7978	30	41
HB-6	169.3	20.74	26.92	9.36	24.06	0.06	0.14	116.27	181.50	0.69	1.07	3947	5771	23	34
LST-1	190.3	57.17	57.16	42.16	41.08	0.22	0.22	315.53	328.61	1.66	1.73	16426	17806	86	94
LW-1	131.3	21.61	21.61	14.81	15.36	0.11	0.12	114.44	119.66	0.87	0.91	3679	3947	28	30
ML-1	95.5	21.51	21.51	17.70	16.91	0.19	0.18	125.24	132.02	1.31	1.38	4866	5062	51	53
MP-1	44.5	15.37	16.00	7.75	8.81	0.17	0.20	79.80	86.41	1.79	1.94	2179	2410	49	54
PL-1	190.8	50.34	50.34	29.73	21.32	0.16	0.11	246.30	292.58	1.29	1.53	9422	12022	49	63
PL-2	204.4	58.85	58.85	34.55	17.14	0.17	0.08	289.77	336.44	1.42	1.65	11541	12368	56	61
PL-3	165.8	88.21	88.20	58.57	63.99	0.35	0.39	467.37	543.78	2.82	3.28	21679	25723	131	155
PL-4	214.6	104.65	104.65	71.01	76.16	0.33	0.35	564.98	607.30	2.63	2.83	19873	21025	93	98
RB-1	229.1	113.31	113.76	100.55	92.64	0.44	0.40	721.61	741.85	3.15	3.24	27739	31671	121	138

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
RB-2	131.1	48.86	48.86	46.00	37.55	0.35	0.29	315.72	314.56	2.41	2.40	11491	13845	88	106
RB-3	110.5	47.94	48.48	18.81	19.73	0.17	0.18	207.09	212.80	1.87	1.93	5171	5370	47	49
SB-1	172.1	32.68	37.38	22.59	42.97	0.13	0.25	195.05	287.32	1.13	1.67	8668	10068	50	59
SB-2	334.5	59.72	66.82	29.91	54.09	0.09	0.16	295.10	416.85	0.88	1.25	10899	13269	33	40
SLL-1	71.8	20.05	20.05	19.91	19.13	0.28	0.27	138.46	141.95	1.93	1.98	5464	6299	76	88
TB-1	125.8	31.83	31.83	27.42	27.87	0.22	0.22	194.73	210.07	1.55	1.67	7268	8619	58	69
WB-1	75.3	27.37	27.37	23.24	22.71	0.31	0.30	165.92	171.33	2.20	2.27	9530	9766	127	130
WB-2	115.8	23.06	23.06	19.23	19.59	0.17	0.17	139.67	145.36	1.21	1.25	6886	7075	59	61
Total	9176	2697	2815	1707	1985			13765	16205			516310	588051		

Table IV.Appendix.2-12
Watershed pollutant loading (PLOAD) results for Minnehaha Creek (lower) watershed
Existing conditions calibrated to 4.81 inches mean annual runoff

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-1	78.61	37.10	41.68	26.50	28.38	0.34	0.36	109.50	134.80	1.39	1.71	8006	10025	102	128
MC-2	380.50	185.76	202.79	130.50	157.77	0.34	0.41	524.20	655.00	1.38	1.72	53321	57528	140	151
MC-3	333.64	120.64	143.99	82.86	105.01	0.25	0.31	362.40	450.40	1.09	1.35	28713	38956	86	117
MC-4	194.92	66.51	71.02	53.49	68.90	0.27	0.35	205.50	262.20	1.05	1.35	17866	19088	92	98
MC-5	141.26	25.74	27.31	20.55	22.89	0.15	0.16	87.50	95.90	0.62	0.68	4807	5440	34	39
MC-6	42.13	12.94	13.84	7.17	8.40	0.17	0.20	32.00	36.80	0.76	0.87	1560	1870	37	44
MC-7	110.44	26.84	27.69	19.82	20.07	0.18	0.18	87.40	91.10	0.79	0.82	4671	5281	42	48
MC-8	104.54	24.18	36.72	17.32	27.81	0.17	0.27	74.60	111.90	0.71	1.07	5226	11188	50	107
MC-9	410.05	95.53	98.55	91.06	95.58	0.22	0.23	355.20	369.10	0.87	0.90	22339	24590	54	60
MC-10	808.73	222.06	236.30	111.27	129.52	0.14	0.16	572.90	640.50	0.71	0.79	38532	46610	48	58
MC-11	117.36	22.50	23.06	23.63	24.43	0.20	0.21	91.10	93.90	0.78	0.80	5151	5487	44	47
MC-12	113.60	23.85	25.59	19.69	22.18	0.17	0.20	80.00	88.90	0.70	0.78	4303	5032	38	44
MC-13	150.28	49.04	50.39	41.52	49.04	0.28	0.33	160.90	187.60	1.07	1.25	13011	13816	87	92
MC-14	90.01	23.35	24.86	19.34	23.24	0.21	0.26	68.80	87.20	0.76	0.97	5734	7286	64	81
MC-15	206.84	48.93	50.52	45.39	50.81	0.22	0.25	173.50	194.40	0.84	0.94	12821	13446	62	65
MC-16	210.00	71.01	73.91	43.76	52.26	0.21	0.25	192.50	225.80	0.92	1.08	15815	19392	75	92

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-17	197.30	49.56	50.54	43.08	47.45	0.22	0.24	170.30	192.20	0.86	0.97	11432	12996	58	66
MC-18	58.93	12.07	14.50	7.74	11.21	0.13	0.19	37.00	49.60	0.63	0.84	1900	2728	32	46
MC-19	97.24	21.62	23.33	15.19	17.94	0.16	0.18	63.70	73.90	0.66	0.76	3538	4325	36	44
MC-20	336.47	102.27	106.82	83.41	96.09	0.25	0.29	346.10	391.00	1.03	1.16	23236	25690	69	76
MC-21	455.72	217.28	221.28	183.31	199.61	0.40	0.44	707.50	762.70	1.55	1.67	64427	66409	141	146
MC-22	186.69	55.49	56.08	44.87	50.14	0.24	0.27	198.80	206.20	1.06	1.10	12111	12576	65	67
MC-23	220.37	57.30	57.86	44.58	45.90	0.20	0.21	193.90	197.80	0.88	0.90	10739	12100	49	55
MC-24	60.55	21.09	21.45	21.12	21.50	0.35	0.36	83.10	83.90	1.37	1.39	4660	5174	77	85
MC-25	84.59	20.39	21.14	18.78	19.48	0.22	0.23	76.60	80.40	0.91	0.95	4256	4861	50	57
MC-26	184.69	63.72	65.18	62.73	67.25	0.34	0.36	244.70	258.80	1.32	1.40	14178	16274	77	88
MC-27	81.23	15.56	18.49	13.13	17.13	0.16	0.21	55.00	70.00	0.68	0.86	2988	4074	37	50
MC-28	139.88	34.96	35.99	22.96	24.63	0.16	0.18	105.90	108.70	0.76	0.78	7620	8787	54	63
MC-29	72.21	22.55	24.96	17.02	20.93	0.24	0.29	77.30	91.50	1.07	1.27	5243	6650	73	92
MC-30	184.23	64.77	64.77	63.98	64.12	0.35	0.35	251.50	249.00	1.37	1.35	14072	15253	76	83
MC-31	29.75	10.33	10.72	5.96	7.60	0.20	0.26	33.10	36.90	1.11	1.24	2446	2237	82	75
MC-32	26.26	13.61	13.72	9.50	13.23	0.36	0.50	49.40	53.00	1.88	2.02	3754	3181	143	121
MC-33	103.42	27.61	27.95	28.86	29.33	0.28	0.28	111.60	112.50	1.08	1.09	6308	6800	61	66
MC-34	136.12	61.77	61.91	51.67	53.91	0.38	0.40	208.30	215.70	1.53	1.58	16056	17731	118	130

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-35	311.25	126.06	128.65	103.16	109.94	0.33	0.35	426.90	448.10	1.37	1.44	31092	32660	100	105
MC-36	79.91	23.89	24.57	21.84	23.30	0.27	0.29	89.00	91.50	1.11	1.15	5035	5762	63	72
MC-37	72.44	20.90	20.90	11.88	10.53	0.16	0.15	48.30	55.10	0.67	0.76	3433	5662	47	78
MC-38	87.39	32.10	32.30	24.58	26.70	0.28	0.31	86.30	101.00	0.99	1.16	6685	9950	76	114
MC-39	152.16	73.68	74.50	51.41	51.37	0.34	0.34	233.00	241.60	1.53	1.59	15889	18882	104	124
MC-40	59.01	12.67	12.89	13.10	13.41	0.22	0.23	50.70	51.40	0.86	0.87	2869	3169	49	54
MC-41	233.94	89.20	92.77	57.85	61.12	0.25	0.26	272.90	292.90	1.17	1.25	21885	23521	94	101
MC-42	148.87	27.38	28.34	21.20	22.79	0.14	0.15	91.00	95.30	0.61	0.64	5818	6418	39	43
MC-43	149.78	48.84	49.85	32.83	36.85	0.22	0.25	146.00	158.60	0.97	1.06	10513	11349	70	76
MC-44	61.19	25.14	25.14	20.21	20.50	0.33	0.34	81.20	86.30	1.33	1.41	4859	6011	79	98
MC-45	136.37	51.17	51.17	40.64	40.61	0.30	0.30	163.00	165.60	1.20	1.21	9106	10341	67	76
MC-46	175.92	55.25	58.53	45.28	57.07	0.26	0.32	193.80	222.20	1.10	1.26	12755	14044	73	80
MC-47	62.40	25.23	25.32	16.42	17.30	0.26	0.28	65.50	70.50	1.05	1.13	4169	5066	67	81
MC-48	192.98	89.77	92.54	57.85	63.99	0.30	0.33	241.40	265.40	1.25	1.38	14847	17510	77	91
MC-49	174.67	89.27	90.22	68.97	70.22	0.39	0.40	290.30	297.90	1.66	1.71	23856	25635	137	147
MC-50	23.55	9.65	9.88	6.90	7.01	0.29	0.30	28.90	29.30	1.23	1.24	1502	1755	64	75
MC-51	155.00	63.72	64.14	53.53	55.32	0.35	0.36	214.60	229.00	1.38	1.48	17088	19867	110	128
MC-52	47.46	18.45	18.58	10.93	10.61	0.23	0.22	48.00	47.50	1.01	1.00	2357	2660	50	56

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-53	120.87	42.42	44.01	31.91	36.58	0.26	0.30	130.60	146.50	1.08	1.21	8781	9725	73	80
MC-54	30.98	10.14	11.33	7.46	10.11	0.24	0.33	31.80	40.10	1.03	1.29	1989	2503	64	81
MC-55	139.95	52.93	53.04	52.36	53.91	0.37	0.39	203.90	205.10	1.46	1.47	13106	14498	94	104
MC-56	45.68	27.77	29.86	18.63	20.81	0.41	0.46	72.00	80.20	1.58	1.76	9203	9915	201	217
MC-57	54.37	43.76	43.90	33.05	36.48	0.61	0.67	118.80	131.40	2.19	2.42	16350	15978	301	294
MC-58	153.87	78.09	80.73	58.09	70.18	0.38	0.46	246.30	293.30	1.60	1.91	23836	25601	155	166
MC-59	228.74	113.86	115.43	97.35	102.17	0.43	0.45	407.20	409.20	1.78	1.79	34525	35849	151	157
MC-60	122.51	76.69	78.61	52.22	58.41	0.43	0.48	238.70	258.70	1.95	2.11	23255	23547	190	192
MC-61	36.32	27.81	27.81	21.47	19.96	0.59	0.55	91.20	91.90	2.51	2.53	9566	9863	263	272
MC-62	88.53	35.97	36.63	33.29	32.40	0.38	0.37	135.70	135.00	1.53	1.52	9935	10426	112	118
MC-63	52.39	21.44	21.43	15.73	17.68	0.30	0.34	66.80	72.70	1.28	1.39	3955	4518	75	86
MC-64	235.02	116.38	117.43	97.35	102.33	0.41	0.44	382.40	415.70	1.63	1.77	34320	37232	146	158
MC-65	35.74	25.39	26.55	18.89	20.04	0.53	0.56	84.20	89.50	2.36	2.50	8953	9287	251	260
MC-66	284.11	106.52	107.69	90.12	95.00	0.32	0.33	373.40	383.80	1.31	1.35	27400	29901	96	105
MC-67	175.89	103.21	109.33	81.60	88.09	0.46	0.50	339.00	356.90	1.93	2.03	33120	35087	188	199
MC-68	188.13	107.50	114.60	81.77	90.69	0.43	0.48	364.30	393.40	1.94	2.09	34696	37616	184	200
MC-69	125.46	68.42	71.27	54.35	58.08	0.43	0.46	209.50	230.80	1.67	1.84	18199	23221	145	185
MC-70	70.62	24.34	24.70	20.10	22.16	0.28	0.31	77.50	85.10	1.10	1.20	6860	7285	97	103

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-71	72.53	35.26	35.64	34.72	35.34	0.48	0.49	135.50	136.30	1.87	1.88	7582	8252	105	114
MC-72	62.54	17.25	19.29	14.10	17.01	0.23	0.27	60.20	70.40	0.96	1.13	3250	4065	52	65
MC-73	49.42	17.59	18.40	15.83	16.99	0.32	0.34	62.90	66.20	1.27	1.34	3444	4058	70	82
MC-74	69.33	26.50	26.51	23.75	24.65	0.34	0.36	96.20	97.30	1.39	1.40	6753	7026	97	101
MC-75	439.28	112.13	113.21	55.00	58.15	0.13	0.13	274.90	279.70	0.63	0.64	14974	15974	34	36
MC-76	95.45	38.57	39.20	36.18	38.36	0.38	0.40	137.40	145.80	1.44	1.53	9567	10595	100	111
MC-77	70.29	31.78	31.78	28.69	31.23	0.41	0.44	111.90	117.90	1.59	1.68	8189	8563	116	122
MC-78	152.83	62.34	63.89	52.85	59.44	0.35	0.39	206.50	227.40	1.35	1.49	14429	15910	94	104
MC-79	166.86	94.66	95.34	75.39	84.39	0.45	0.51	283.80	323.80	1.70	1.94	30733	30643	184	184
MC-80	40.55	14.70	14.70	15.59	15.59	0.38	0.38	60.00	59.00	1.48	1.45	3398	3798	84	94
MC-81	136.61	60.32	60.31	47.64	47.36	0.35	0.35	193.40	191.80	1.42	1.40	11700	12278	86	90
MC-82	134.62	17.68	17.68	5.37	6.69	0.04	0.05	34.00	36.40	0.25	0.27	2032	2508	15	19
MC-83	108.09	39.77	40.36	38.24	39.78	0.35	0.37	151.60	154.60	1.40	1.43	9723	10608	90	98
MC-84	72.49	27.33	27.33	28.46	28.90	0.39	0.40	109.50	109.40	1.51	1.51	6400	7141	88	99
MC-85	33.09	23.76	23.76	18.97	21.32	0.57	0.64	72.60	78.20	2.19	2.36	8272	8155	250	246
MC-86	87.99	32.81	33.71	31.10	32.79	0.35	0.37	115.40	123.80	1.31	1.41	7287	9464	83	108
MC-87	41.31	12.00	12.00	10.98	11.54	0.27	0.28	44.10	44.80	1.07	1.08	2482	2844	60	69
MC-88	38.03	14.14	14.14	12.32	12.75	0.32	0.34	48.20	49.30	1.27	1.30	3428	3926	90	103

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-89	265.27	99.84	99.84	93.14	93.50	0.35	0.35	348.50	365.70	1.31	1.38	21087	25978	79	98
MC-90	153.89	54.93	55.14	48.22	48.66	0.31	0.32	198.50	197.10	1.29	1.28	11530	12809	75	83
MC-91	114.61	32.01	32.05	28.34	28.15	0.25	0.25	114.80	113.50	1.00	0.99	6555	7469	57	65
MC-92	101.05	34.60	34.60	34.72	34.78	0.34	0.34	135.00	133.00	1.34	1.32	7582	8455	75	84
MC-93	226.15	75.82	75.82	75.53	75.78	0.33	0.34	291.50	292.60	1.29	1.29	16807	19389	74	86
MC-94	44.83	14.10	14.10	13.97	14.31	0.31	0.32	54.70	54.50	1.22	1.22	3098	3520	69	79
MC-95	357.22	130.70	130.70	132.30	133.26	0.37	0.37	510.90	507.20	1.43	1.42	30928	34340	87	96
MC-96	25.45	5.21	5.21	4.40	4.52	0.17	0.18	17.80	17.90	0.70	0.70	978	1072	38	42
MC-97	233.57	86.78	86.78	89.33	91.57	0.38	0.39	348.70	345.90	1.49	1.48	20385	22733	87	97
MC-98	67.13	20.65	20.65	19.02	20.16	0.28	0.30	77.00	77.30	1.15	1.15	4691	5211	70	78
MC-99	66.50	23.66	23.66	20.89	22.63	0.31	0.34	79.10	85.80	1.19	1.29	5059	6690	76	101
MC-100	520.50	179.42	188.51	155.58	173.76	0.30	0.33	628.00	689.90	1.21	1.33	39629	48386	76	93
MC-101	581.87	244.76	255.06	201.77	217.68	0.35	0.37	829.50	868.20	1.43	1.49	66669	75791	115	130
MC-102	170.16	57.04	57.04	50.18	50.57	0.29	0.30	209.00	206.90	1.23	1.22	12742	14018	75	82
MC-103	301.45	133.99	133.99	119.55	124.56	0.40	0.41	471.30	495.10	1.56	1.64	35934	38852	119	129
MC-104	141.91	50.15	50.76	31.36	33.11	0.22	0.23	129.50	140.70	0.91	0.99	7881	10479	56	74
MC-105	231.82	79.30	79.30	72.73	76.69	0.31	0.33	294.80	298.20	1.27	1.29	17413	19791	75	85
MC-106	51.24	14.05	14.05	12.63	13.53	0.25	0.26	51.00	52.50	1.00	1.02	2955	3267	58	64

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-107	319.25	159.35	166.56	131.14	137.06	0.41	0.43	506.10	530.90	1.59	1.66	50273	53142	157	166
MC-108	72.01	25.36	25.36	14.33	14.71	0.20	0.20	64.00	64.80	0.89	0.90	4024	3972	56	55
MC-109	292.81	174.06	174.08	25.31	27.59	0.09	0.09	211.30	214.30	0.72	0.73	5824	6735	20	23
MC-110	464.05	201.83	203.62	182.01	192.66	0.39	0.42	690.80	743.80	1.49	1.60	53337	60130	115	130
MC-111	68.14	54.27	54.27	41.82	45.24	0.61	0.66	166.10	177.30	2.44	2.60	19359	18755	284	275
MC-112	133.64	67.20	67.20	59.86	64.25	0.45	0.48	222.80	244.50	1.67	1.83	19958	21336	149	160
MC-113	75.44	43.64	45.34	28.16	27.89	0.37	0.37	111.60	118.60	1.48	1.57	13727	14031	182	186
MC-114	179.17	96.23	97.42	77.50	80.72	0.43	0.45	309.80	341.30	1.73	1.90	29162	30664	163	171
MC-115	365.17	218.67	226.29	150.45	169.97	0.41	0.47	648.10	723.10	1.77	1.98	65771	68928	180	189
MC-116	178.75	38.76	51.01	25.70	49.83	0.14	0.28	113.70	192.30	0.64	1.08	8463	12842	47	72
MC-117	177.75	103.35	104.85	81.67	81.94	0.46	0.46	340.70	351.50	1.92	1.98	33947	33037	191	186
MC-118	55.02	28.30	28.61	20.17	24.04	0.37	0.44	94.60	102.20	1.72	1.86	8252	8724	150	159
MC-119	107.86	28.62	28.62	24.62	28.01	0.23	0.26	103.30	107.20	0.96	0.99	6284	7205	58	67
MC-120	245.87	117.37	117.37	93.56	107.74	0.38	0.44	419.50	438.90	1.71	1.79	36124	36295	147	148
MC-121	591.62	270.74	271.05	153.75	171.68	0.26	0.29	704.80	732.50	1.19	1.24	44526	48895	75	83
MC-122	90.16	51.46	51.46	35.49	39.96	0.39	0.44	163.70	171.70	1.82	1.90	14574	14859	162	165
MC-123	241.16	122.95	122.95	99.88	114.96	0.41	0.48	408.70	442.60	1.69	1.84	37798	38630	157	160
MC-124	462.95	156.71	159.81	153.00	159.26	0.33	0.34	599.70	614.50	1.30	1.33	34402	39863	74	86

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-125	417.41	159.79	159.81	151.66	159.40	0.36	0.38	604.00	610.00	1.45	1.46	39206	42865	94	103
MC-126	648.87	435.52	438.03	52.88	77.42	0.08	0.12	506.10	564.50	0.78	0.87	15824	20086	24	31
MC-127	205.98	36.11	36.11	17.42	18.38	0.08	0.09	62.60	104.80	0.30	0.51	5022	7047	24	34
MC-128	142.93	55.10	55.10	53.85	57.77	0.38	0.40	211.70	219.00	1.48	1.53	13303	14701	93	103
MC-129	312.95	126.95	126.95	123.74	128.30	0.40	0.41	464.10	485.40	1.48	1.55	30451	35174	97	112
MC-130	833.39	476.94	476.96	158.77	172.45	0.19	0.21	864.90	893.30	1.04	1.07	42033	46814	50	56
MC-131	105.02	37.92	37.92	35.12	37.01	0.33	0.35	138.90	142.00	1.32	1.35	8393	9834	80	94
MC-132	126.00	43.24	43.24	42.31	44.32	0.34	0.35	165.60	168.30	1.31	1.34	9704	11037	77	88
MC-133	34.02	10.56	10.56	9.76	10.14	0.29	0.30	38.90	39.10	1.14	1.15	2197	2532	65	74
MC-134	52.85	29.13	29.13	25.35	28.40	0.48	0.54	94.80	107.20	1.79	2.03	8573	8815	162	167
MC-135	173.59	72.83	72.84	69.85	73.42	0.40	0.42	268.50	280.90	1.55	1.62	19267	20756	111	120
MC-136	108.19	33.39	33.39	31.16	32.65	0.29	0.30	125.00	126.70	1.16	1.17	7343	8416	68	78
MC-137	45.64	15.45	15.45	14.49	15.80	0.32	0.35	59.00	60.30	1.29	1.32	3603	4003	79	88
MC-138	18.98	4.44	4.44	2.92	3.90	0.15	0.21	14.10	15.70	0.74	0.83	979	1069	52	56
MC-139	78.25	27.77	27.77	27.03	27.87	0.35	0.36	101.60	105.60	1.30	1.35	6600	7873	84	101
MC-140	200.23	81.17	81.17	78.76	83.12	0.39	0.42	298.80	312.10	1.49	1.56	19693	23047	98	115
MC-141	27.94	9.21	9.21	9.11	9.43	0.33	0.34	35.80	36.00	1.28	1.29	2106	2370	75	85
MC-142	180.78	110.54	113.27	87.61	99.29	0.48	0.55	366.40	402.30	2.03	2.23	35320	36949	195	204

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-143	113.72	53.68	53.68	47.30	54.49	0.42	0.48	180.90	205.30	1.59	1.81	15375	15631	135	137
MC-144	448.93	193.69	194.12	140.09	149.90	0.31	0.33	588.80	606.50	1.31	1.35	38206	40944	85	91
MC-145	44.50	8.40	8.48	5.98	6.77	0.13	0.15	26.00	27.60	0.58	0.62	1507	1772	34	40
MC-146	88.34	31.91	31.91	32.07	33.55	0.36	0.38	126.20	126.40	1.43	1.43	7681	8579	87	97
MC-147	311.03	110.56	110.57	106.93	110.17	0.34	0.35	416.10	422.20	1.34	1.36	27771	30918	89	99
MC-148	19.65	5.76	5.76	5.26	5.55	0.27	0.28	21.30	21.70	1.08	1.10	1264	1436	64	73
MC-149	45.55	13.45	13.45	11.54	13.36	0.25	0.29	48.30	51.00	1.06	1.12	2965	3454	65	76
MC-150	54.31	19.68	19.68	19.98	20.82	0.37	0.38	78.50	78.50	1.45	1.45	4535	5225	84	96
MC-151	88.18	28.44	28.52	27.08	28.23	0.31	0.32	105.00	107.70	1.19	1.22	6272	7620	71	86
MC-152	115.97	36.88	36.88	35.58	36.88	0.31	0.32	139.40	142.40	1.20	1.23	9169	10397	79	90
MC-153	20.10	9.25	9.25	5.93	8.32	0.29	0.41	25.10	31.40	1.25	1.56	2501	2774	124	138
MC-154	35.83	9.45	9.45	7.86	8.33	0.22	0.23	32.10	32.60	0.90	0.91	1791	2111	50	59
MC-155	434.71	164.18	164.51	163.85	165.57	0.38	0.38	634.30	634.10	1.46	1.46	37958	43443	87	100
MC-156	148.34	63.75	63.75	55.06	57.65	0.37	0.39	215.20	228.60	1.45	1.54	14836	16174	100	109
MC-157	64.68	23.53	23.53	20.82	20.77	0.32	0.32	85.40	84.20	1.32	1.30	5049	5551	78	86
MC-158	548.33	224.51	224.94	181.69	189.23	0.33	0.35	736.20	760.30	1.34	1.39	51122	54744	93	100
MC-159	484.18	201.23	201.56	111.58	124.97	0.23	0.26	534.00	578.60	1.10	1.20	45209	45270	93	93
MC-160	158.84	63.08	63.08	40.80	49.70	0.26	0.31	174.20	198.50	1.10	1.25	13044	14492	82	91

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-161	85.24	21.51	21.51	14.42	15.90	0.17	0.19	61.70	65.90	0.72	0.77	4389	4528	51	53
MC-162	203.22	70.77	70.77	68.48	70.94	0.34	0.35	268.30	270.90	1.32	1.33	16143	18626	79	92
MC-163	112.81	39.99	40.19	37.62	38.92	0.33	0.34	145.70	149.00	1.29	1.32	8787	10648	78	94
MC-164	165.42	60.73	60.73	60.85	62.39	0.37	0.38	233.70	235.90	1.41	1.43	13957	16267	84	98
MC-165	24.33	8.03	8.04	6.31	7.25	0.26	0.30	27.90	28.70	1.15	1.18	1909	2048	78	84
MC-166	54.96	19.80	19.80	19.37	20.82	0.35	0.38	77.00	78.50	1.40	1.43	4722	5300	86	96
MC-167	347.54	207.46	207.46	10.26	12.29	0.03	0.04	196.00	200.60	0.56	0.58	4588	5019	13	14
MC-168	13.32	2.33	2.33	0.16	0.57	0.01	0.04	2.50	3.50	0.19	0.26	98	185	7	14
MC-169	57.68	18.05	18.05	10.70	14.09	0.19	0.24	48.60	57.50	0.84	1.00	3585	4289	62	74
MC-170	892.50	345.46	346.27	326.48	350.72	0.37	0.39	1292.90	1333.60	1.45	1.49	86269	97499	97	109
MC-171	94.99	34.67	34.67	34.21	35.78	0.36	0.38	134.30	135.40	1.41	1.43	8300	9328	87	98
MC-172	207.06	60.92	60.92	4.41	4.89	0.02	0.02	60.60	61.20	0.29	0.30	1215	1346	6	7
MC-173	8.89	2.51	2.51	1.53	1.82	0.17	0.20	7.10	7.50	0.80	0.84	413	474	46	53
MC-174	22.31	7.42	7.43	6.19	6.60	0.28	0.30	25.60	25.90	1.15	1.16	1472	1670	66	75
MC-175	6.57	2.09	2.09	1.70	1.80	0.26	0.27	7.00	7.10	1.07	1.08	384	450	58	68
MC-176	228.20	88.15	88.35	87.60	89.95	0.38	0.39	331.40	340.20	1.45	1.49	20590	24771	90	109
MC-177	49.43	17.73	17.75	17.40	17.93	0.35	0.36	64.70	70.20	1.31	1.42	4035	4951	82	100
MC-178	30.89	9.40	9.40	7.86	8.24	0.25	0.27	32.30	32.40	1.05	1.05	1819	2058	59	67

Subshed	Acres	Volume (ac-ft)		TP load (lbs/yr)		TP Load (lbs/ac-yr)		TN load (lbs/yr)		TN Load (lbs/ac-yr)		TSS load (lbs/yr)		TSS Load (lbs/ac-yr)	
		Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020	Existing	2020
MC-179	108.52	39.79	39.79	35.24	38.23	0.32	0.35	138.90	146.90	1.28	1.35	9688	10991	89	101
MC-180	69.89	22.60	22.84	18.10	19.79	0.26	0.28	75.20	77.60	1.08	1.11	4338	5062	62	72
MC-181	44.22	15.15	15.21	10.44	12.17	0.24	0.28	45.60	48.70	1.03	1.10	2629	3136	59	71
MC-182	25.12	10.07	10.11	2.24	4.00	0.09	0.16	19.30	23.10	0.77	0.92	1477	1864	59	74
MC-183	114.93	47.80	47.81	41.70	46.74	0.36	0.41	171.40	179.70	1.49	1.56	12088	12967	105	113
MC-184	75.26	10.75	10.94	1.41	2.63	0.02	0.03	14.20	18.10	0.19	0.24	789	955	10	13
MR-1	322.08	124.59	124.67	112.99	120.45	0.35	0.37	462.80	473.70	1.44	1.47	33181	35629	103	111
MR-2	627.78	260.39	260.40	242.78	258.10	0.39	0.41	942.40	978.90	1.50	1.56	65615	75510	105	120
MR-3	331.67	120.15	120.14	92.23	107.65	0.28	0.32	400.90	420.50	1.21	1.27	27679	29936	83	90
WL-1	414.86	179.69	180.22	152.33	160.84	0.37	0.39	594.70	628.50	1.43	1.51	41338	44115	100	106
WL-3	491.67	261.94	262.04	212.62	223.64	0.43	0.45	843.70	923.30	1.72	1.88	77274	76140	157	155
Total	32,478	13,005	13,247	9,812	10,623			40,717	43,328			2,928,661	3,236,981		