

Table 3-10 Minnetonka Monitored Water Bodies - Physical Characteristics and Water Quality Management Classifications and Goals

Water Body Name	Minnetonka Subwatershed Number	City Sampling ID	DNR PWI Number	Water Body Physical Characteristics <sup>1</sup>			Current Water Quality Conditions	Water Body Classification by Regulatory Agency							
				Surface Area (Acres)	Mean Depth (feet)	Max Depth (feet)		City Water Quality Classification	City Water Quality Goals <sup>4</sup>	City Wetland Management Classification	City Shoreland Management Classification <sup>5</sup>	Watershed Organization & Classification	MPCA Shallow/Deep Lake Classification & Criteria	MPCA 303(d) Impaired Waters List	DNR Ecological Use Classification
<b>Monitored Water Bodies Managed as LAKES</b>															
Glen	629	9	27-93P	104.2	8.0	25.6	Year of Record: 2005 [TP] = 24.0 µg/L [Chla] = 4.1 µg/L SD = 2.7 m TSI = 47.0	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	Manage 1	RD	NMCWD Level I TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	N/A	38 Primary Fish Species: NP, BLB, BG TSI <sub>SD</sub> =53
Lone	582	10	27-94P	17.8	10.0	27.9	Year of Record: 2006 [TP] = 32.0 µg/L [Chla] = 8.8 µg/L SD = 2.1 m TSI = 51.8	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	Manage 1	RD	NMCWD Level I TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	N/A	36 Primary Fish Species: NP, BLB, BG TSI <sub>SD</sub> =49
Minnetoga	567	4	27-88P	18.0	10.0	29.9	Year of Record: 2005 [TP] = 39.0 µg/L [Chla] = 9.2 µg/L SD = 1.5 m TSI = 55.9	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	Manage 2	GD	NMCWD Level I TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	N/A	33 Primary Fish Species: NP, YP, BG TSI <sub>SD</sub> =48
Shady Oak	537	5	27-89P	97.7	15.0	24.6	Year of Record: 2006 [TP] = 19.0 µg/L [Chla] = 4.0 µg/L SD = 3.1 m TSI = 44.6	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	Manage 2	RD	NMCWD Level I TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	N/A	33 Primary Fish Species: NP, YP, BG TSI <sub>SD</sub> =48
Rose	708	8	27-92P	28.7	5.9	13.8	Year of Record: 2006 [TP] = 55.0 µg/L [Chla] = 32.3 µg/L SD = 1.0 m TSI = 62.0	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 2	RD	NMCWD N/A	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A
Crane	425	11	27-734P	43.0	2.5	4.9	Year of Record: 2007 <sup>7</sup> [TP] = 50.0 µg/L [Chla] = 7.3 µg/L SD <sup>2</sup> = 1.4 m TSI = 55.3	II	45 < TP < 75 µg/L 20 < Chla < 40 µg/L 2.0 > SD > 1.0 m 50 < TSI < 60	Manage 1	GD	BCWMC Level III TP < 75 µg/L Chla < 40 µg/L SD > 0.9 m	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A
Windsor	272	1	27-82P	13.8	10.0	5.6	Year of Record: 2007 [TP] = 123 µg/L [Chla] = 9.5 µg/L SD = 0.9 m TSI = 63.1	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	RD	MCWD <sup>3</sup> /2005 D+ TP = 62-152 mg/L Chla = 48 - 77 mg/L SD = 1.2 - 0.7 m	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	Yes - See Table 3-13	N/A

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Wing	665	7	27-91P	15.1	2.5	5.9	Year of Record: 2006 [TP] = 107 µg/L [Chla] = 54.3 µg/L SD = 0.8 m TSI = 70.6	IV	TP > 105 µg/L Chla > 60 µg/L SD < 0.6 m TSI > 70	Manage 2	RD	NMCWD N/A	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A
Gleason	N/A	N/A	27-95P	142**	N/A	16**	Year of Record: 2006 [TP] = 133.3 µg/L [Chla] = 53.1 µg/L SD = 0.9 m TSI = 68.5	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	N/A	RD	MCWD <sup>3</sup> /2006 D TP = 62-152 µg/L Chla = 48 - 77 µg/L SD = 1.2 - 0.7 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	N/A	N/A
Gray's Bay (Minnetonka)	N/A	N/A	27-133P	188**	N/A	20**	Year of Record: 2006 [TP] = 34.8 µg/L [Chla] = 4.8 µg/L SD = 3.1 m TSI = 48.3	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	N/A	GD	MCWD <sup>3</sup> /2006 B+ TP = 23 - 32 µg/L Chla = 10 - 20 µg/L SD = 3.0 - 2.2 m	NCHF - Deep TP < 40 µg/L Chla < 14 µg/L SD > 1.4 m	Yes - See Table 3-13	N/A
Shavers	319C	3	27-86P	15.0	10.0	5.9	Year of Record: 2007 <sup>6</sup> [TP] = 35.0 µg/L [Chla] = 1.8 µg/L SD = 1.3 m TSI = 56.1	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Preserve	RD	MCWD <sup>3</sup> /2006 D+ TP = 62-152 mg/L Chla = 48 - 77 mg/L SD = 1.2 - 0.7 m	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A
Libbs	N/A	2	27-85P	21.0	5.0	6.9	Year of Record: 2006 [TP] = 23.0 µg/L [Chla] = 5.0 µg/L SD <sup>2</sup> = 1.8 m TSI = 47.9	I	TP < 45 µg/L Chla < 20 µg/L SD > 2.0 m TSI < 50	Preserve	GD	MCWD N/A	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A
Holiday	657	6	27-90P	9.2	2.5	5.9	Year of Record: 2006 [TP] = 263.0 µg/L [Chla] = 169.3 µg/L SD = 0.2 m TSI = 82.3	IV	TP > 105 µg/L Chla > 60 µg/L SD < 0.6 m TSI > 70	Manage 2	GD	NMCWD N/A	NCHF - Shallow TP < 60 µg/L Chla < 20 µg/L SD > 1.0 m	N/A	N/A

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<b>Monitored Water Bodies Managed as WETLANDS</b>															
Wetland 109	109	26	27-718P	0.7	2.0	1.6	Year of Record: 2007 [TP] = 445.0 µg/L [Chla] = 0.8 µg/L SD = 0.4 m TSI = 60.3	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 2	N/A	MCWD N/A	N/A	N/A	N/A
Minnehaha Marsh (Wetland 281)	281	19	27-84P	31.9	3.0	4.9	Year of Record: 2007 [TP] = 122.0 µg/L [Chla] = 41.4 µg/L SD <sup>2</sup> = 0.4 m TSI = 70.3	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	MCWD N/A	N/A	N/A	N/A
Spring	58	17	27-771W	5.5	6.0	10.8	Year of Record: 2005 [TP] = 92.0 µg/L [Chla] = 43.0 µg/L SD = 0.5 m TSI = 69	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	MCWD N/A	N/A	N/A	N/A
Woodgate	650	12	27-769W	1.6	1.4	7.9	Year of Record: 2006 [TP] = 288.0 µg/L [Chla] = 119.3 µg/L SD = 0.5 m TSI = 77.7	IV	TP > 105 µg/L Chla > 60 µg/L SD < 0.6 m TSI > 70	Manage 2	N/A	NMCWD N/A	N/A	N/A	N/A
Pond 313	313	13	27-747W	6.8	5.6	4.9	Year of Record: 2007 [TP] = 42.0 µg/L [Chla] = 8.0 µg/L SD* = 1.0 m TSI = 54.6	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 3	N/A	MCWD N/A	N/A	N/A	N/A
Cargill Pond (Wetland 144B)	144B	14A	27-754W	28.5	0.5	3.6	Year of Record: 2007 [TP] = 330.0 µg/L [Chla] = 6.5 µg/L SD <sup>2</sup> = 0.5 m TSI = 68.3	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	MCWD N/A	N/A	N/A	N/A
Wetland 256B	256B	15	27-83W	15.4	1.5	11.2	Year of Record: 2007 [TP] = 49.0 µg/L [Chla] = 25.3 µg/L SD = 1.3 m TSI = 59.4	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	MCWD N/A	N/A	N/A	N/A

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Pond 904	904	16	27-766W	4.0	1.5	4.9	Year of Record: 2005 [TP] = 53.0 µg/L [Chla] = 8.8 µg/L SD = 0.6 m TSI = 55.8	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	RPBCWD N/A	N/A	N/A	N/A
Pond 501	501	18	27-775W	10.2	3.5	7.2	Year of Record: 2005 [TP] = 70.0 µg/L [Chla] = 26.8 µg/L SD = 0.8 m TSI = 62.5	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 3	N/A	NMCWD N/A	N/A	N/A	N/A
Unnamed	833	20	27-874W	10.0	2.0	3.3	Year of Record: 2005 [TP] = 245.0 µg/L [Chla] = 109.3 µg/L SD = 0.2 m TSI = 80.4	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 2	N/A	RPBCWD N/A	N/A	N/A	N/A
Wetland 128	128	22	27-740W	50.0	0.5	3.6	Year of Record: 2007 [TP] = 265.0 µg/L [Chla] = 5.2 µg/L SD <sup>2</sup> = 0.6 m TSI = 65.5	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	MCWD N/A	N/A	N/A	N/A
City Hall Pond	43-1	23	N/A	3.3	3.0	6.9	Year of Record: 2005 [TP] = 140.0 µg/L [Chla] = 48.5 µg/L SD = 0.4 m TSI = 71.4	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 2	N/A	MCWD N/A	N/A	N/A	N/A
Wetland 820	820	21A	N/A	8.8	2.0	3.3	Year of Record: 2005 [TP] = 397.0 µg/L [Chla] = 26.2 µg/L SD = 0.7 m TSI = 74.3	III	75 < TP < 105 µg/L 40 < Chla < 60 µg/L 1.0 > SD > 0.6 m 60 < TSI < 70	Manage 1	N/A	RPBCWD N/A	N/A	N/A	N/A

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<b>Monitored Water Bodies Managed as STREAMS</b>															
Minnehaha Creek	N/A	N/A	27-36a	N/A	N/A	N/A	See Table 3-9 for Available Water Quality Data	N/A	N/A	See Figure 3-12 for Wetland Management Classifications	TR	See Tables 3-18 and 3-19 and Figure 3-22	N/A	Yes - See Table 3-13	N/A
Nine Mile Creek	N/A	N/A	27-50a 27-51a 27-52a	N/A	N/A	N/A	See Table 3-9 for Available Water Quality Data	N/A	N/A	See Figure 3-12 for Wetland Management Classifications	TR	See Tables 3-18 and 3-20 and Figures 3-22 and 3-23	N/A	Yes - See Table 3-13	N/A
Purgatory Creek	N/A	N/A	27-54a 27-55a 27-56a	N/A	N/A	N/A	See Table 3-9 for Available Water Quality Data	N/A	N/A	See Figure 3-12 for Wetland Management Classifications	TR	See Tables 3-18 and 3-20 and Figures 3-22 and 3-23	N/A	N/A	N/A

1- Pond, lake, and wetland data are approximate, taken (except where noted) from PondNET Model information in Table 3-14 in the City of Minnetonka Water Resources Management Plan. Maximum depths are those determined during water quality sampling field work in 2003 through 2008. Measured depths vary depending on water levels.

\*\*From DNR Lake Finder

2 - Secchi disc rested on the bottom of lake or submergent vegetation for some of the summer dates.

3 - MCWD has not set an overall water quality goal for water bodies within the watershed. Instead it assigns a Grade to each water body based on the water quality of each monitoring year. This value is based on the most recent monitoring data for the water body.

4 - City goals from the 2005 Water Quality Report, City of Minnetonka

5 - Based on the City Shoreland District Ordinance: GD - General Development, RD - Recreational Development, TR - Tributary Creeks (Originally based on DNR shoreland classifications)

6 - Shavers Lake was treated with Alum in 2006

7 - Summer average numbers based on water quality data collected by the City of Minnetonka. In 2007, BCWMC (CAMP) also collected water quality data but this data is not included in the summer average numbers.