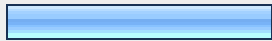
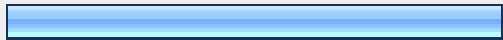







# Tomahawk Lake System Comprehensive Lake Management Plan Community Survey

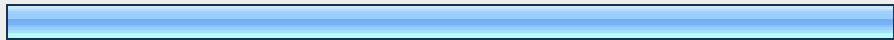


**1. Please enter your survey code number, located with your name and address on the cover letter.**

		Response Count
		215
<i>answered question</i>		<b>215</b>
<i>skipped question</i>		<b>0</b>

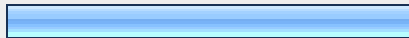




**2. Check all responses describing your affiliation with the lake and the community.**

		Response Percent	Response Count
Year round shoreline landowner		28.3%	60
<b>Seasonal shoreline landowner</b>		<b>53.3%</b>	113
Year round offshore resident		9.4%	20
Seasonal offshore resident		8.0%	17
Area business owner		6.6%	14
Tourist or vacationer		2.4%	5
Other (please specify)		6.1%	13
<i>answered question</i>			<b>212</b>
<i>skipped question</i>			<b>3</b>





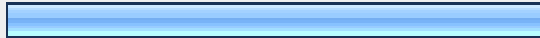


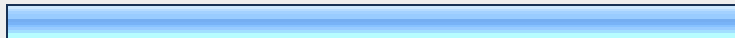

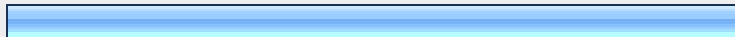
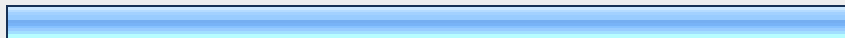


**3. If you are an Oneida County lakefront property owner, check the lake on which you own land. If you own land on more than one of the listed lakes, check all that apply.**

		Response Percent	Response Count
<b>Tomahawk Lake</b>		<b>95.3%</b>	182
Little Tomahawk Lake		0.0%	0
Mud Lake		0.0%	0
Thoroughfare		0.5%	1
Other (please specify)		6.8%	13
<i>answered question</i>			<b>191</b>
<i>skipped question</i>			<b>24</b>

4. If you own property in Oneida County, check the municipalities where your properties are located.

		Response Percent	Response Count
Town of Minocqua		44.0%	91
Town of Hazelhurst		8.7%	18
Town of Lake Tomahawk		16.9%	35
Town of Woodruff		32.9%	68
Other (please specify)		2.9%	6
		<b>answered question</b>	<b>207</b>
		<b>skipped question</b>	<b>8</b>

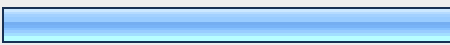
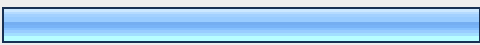
5. Please check all the activities for which you and/or your family use the Tomahawk Lake System.

		Response Percent	Response Count
Fishing		82.9%	174
Waterskiing		63.3%	133
Personal watercraft		38.1%	80
Swimming		88.1%	185
Pontoon boating		57.1%	120
Sailing		25.7%	54
Tubing		46.2%	97
Pleasure boating		78.6%	165
Canoeing & kayaking		54.3%	114
Nature viewing		78.1%	164
<b>Enjoyment of scenery</b>		<b>90.0%</b>	189
Hunting		8.1%	17
Other (please specify)		6.2%	13
		<b>answered question</b>	<b>210</b>
		<b>skipped question</b>	<b>5</b>

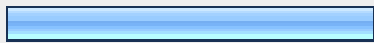
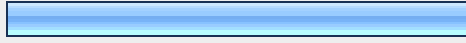


6. Rank the three activities that are most enjoyable or important to you and/or your family. Place a 1 for the most important and 2 for your next choice and 3 for your third choice.

		Response Average	Response Total	Response Count
Fishing		1.75	191	109
Waterskiing		2.12	108	51
Personal watercraft		2.50	55	22
Swimming		2.03	142	70
Pontoon boating		1.66	133	80
Sailing		2.36	33	14
Tubing		2.50	25	10
Pleasure boating		2.03	181	89
Canoeing & kayaking		2.48	82	33
Nature viewing		2.10	141	67
Enjoyment of scenery		2.19	184	84
<b>Hunting</b>		<b>2.75</b>	<b>11</b>	<b>4</b>
			<i>answered question</i>	<b>209</b>
			<i>skipped question</i>	<b>6</b>

7. Have you had a lake-related activity negatively affected by any other activity and/or person?

		Response Percent	Response Count
Yes		48.3%	100
No		51.7%	107
		<i>answered question</i>	<b>207</b>
		<i>skipped question</i>	<b>8</b>

**8. Please check how other recreational use of the Tomahawk Lake System affect your enjoyment of the lake.**

		Response Percent	Response Count
Does not diminish my use and enjoyment of the lake		39.4%	80
<b>Diminishes my use and enjoyment of the lake to a limited degree</b>		<b>49.3%</b>	100
Greatly diminishes my use and enjoyment of the lake		5.4%	11
Unsure		5.9%	12
<b>answered question</b>			<b>203</b>
<b>skipped question</b>			<b>12</b>

**9. Please rate your level of satisfaction with the following items related to public access on Tomahawk Lake System.**

	Acceptable	Not Acceptable	Unsure	Rating Average	Response Count
Number of Public access sites	<b>83.3% (169)</b>	6.4% (13)	10.3% (21)	1.27	203
Maintenance of sites	<b>77.0% (154)</b>	3.5% (7)	19.5% (39)	1.43	200
Restroom facilities at sites	32.8% (66)	14.4% (29)	<b>52.7% (106)</b>	2.20	201
Signage at sites	<b>62.5% (125)</b>	5.0% (10)	32.5% (65)	1.70	200
Garbage pick-up	42.0% (84)	6.0% (12)	<b>52.0% (104)</b>	2.10	200
Lighting	39.8% (80)	10.4% (21)	<b>49.8% (100)</b>	2.10	201
Quantity of vehicle/ boat trailer parking	<b>55.7% (112)</b>	13.9% (28)	30.3% (61)	1.75	201
Overall quality of public access	<b>71.1% (143)</b>	5.0% (10)	23.9% (48)	1.53	201
<b>answered question</b>					<b>204</b>
<b>skipped question</b>					<b>11</b>

**10. How important to you is the water quality of the Tomahawk Lake System? (check the appropriate statement)**

		Response Percent	Response Count
Not at all important		0.0%	0
Not too important		1.0%	2
Unsure		0.5%	1
Important		8.6%	18
<b>Very important</b>		<b>90.5%</b>	<b>190</b>
		<b>answered question</b>	<b>210</b>
		<b>skipped question</b>	<b>5</b>

**11. How would you rank the quality of the water in the Tomahawk Lake System? (check one)**

		Response Percent	Response Count
Very poor		0.0%	0
Poor		2.4%	5
Unsure		12.0%	25
<b>Good</b>		<b>61.2%</b>	<b>128</b>
Excellent		24.9%	52
		<b>answered question</b>	<b>209</b>
		<b>skipped question</b>	<b>6</b>

**12. How often does the water quality of the Tomahawk Lake System affect your use of the lake? (check one)**

		Response Percent	Response Count
<b>Never</b>		<b>44.3%</b>	<b>93</b>
Sometimes		36.2%	76
Unsure		4.8%	10
Often		7.1%	15
Always		8.1%	17
		<b>answered question</b>	<b>210</b>
		<b>skipped question</b>	<b>5</b>


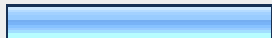
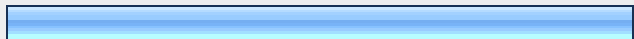
**13. Using the following scale, what effect, if any, do you believe each of the following practices have on the quality of water in the Tomahawk Lake System?**

	Significant negative impact	Somewhat negative impact	Unsure	Somewhat positive impact	Significant positive impact	Rating Average	Response Count
Failing septic systems	<b>48.5% (100)</b>	22.3% (46)	26.2% (54)	1.5% (3)	1.5% (3)	1.85	206
Use of phosphorus-based fertilizers	<b>46.4% (96)</b>	24.6% (51)	26.1% (54)	1.4% (3)	1.4% (3)	1.87	207
Removal of vegetation in shoreline buffer areas	25.4% (52)	<b>33.2% (68)</b>	32.7% (67)	6.3% (13)	2.4% (5)	2.27	205
Shoreline alterations such as rock riprap or retaining walls	8.3% (17)	17.1% (35)	<b>36.1% (74)</b>	24.4% (50)	14.1% (29)	3.19	205
Removal of near-shore emergent vegetation such as bulrush and cattails	20.1% (41)	29.9% (61)	<b>37.7% (77)</b>	8.3% (17)	3.9% (8)	2.46	204
Rain gutters and downspouts draining toward the lake	10.8% (22)	30.0% (61)	<b>49.8% (101)</b>	7.9% (16)	1.5% (3)	2.59	203
Installation of impervious surfaces such as blacktop or concrete driveways	20.8% (42)	28.7% (58)	<b>41.1% (83)</b>	7.9% (16)	1.5% (3)	2.41	202
Operation of watercraft at wake speeds in shallow areas	<b>34.1% (70)</b>	27.8% (57)	22.0% (45)	10.2% (21)	5.9% (12)	2.26	205
Large-scale removal of aquatic plants	28.2% (57)	20.3% (41)	<b>33.7% (68)</b>	10.4% (21)	7.4% (15)	2.49	202
Conversion of wetlands to other uses	<b>47.5% (95)</b>	26.0% (52)	22.0% (44)	3.0% (6)	1.5% (3)	1.85	200
Stormwater runoff draining directly to the lake via storm sewers	<b>42.4% (87)</b>	26.8% (55)	24.9% (51)	4.9% (10)	1.0% (2)	1.95	205
Installation of detention ponds/settling basins for stormwater management	4.4% (9)	7.4% (15)	<b>37.4% (76)</b>	32.0% (65)	18.7% (38)	3.53	203
Disturbance of lake sediments from watercraft or wind	12.3% (25)	40.2% (82)	<b>43.6% (89)</b>	3.4% (7)	0.5% (1)	2.40	204
Installation of sand or pea gravel swimming beaches	6.9% (14)	17.8% (36)	<b>54.0% (109)</b>	17.3% (35)	4.0% (8)	2.94	202
High population of geese	<b>35.7% (74)</b>	34.3% (71)	26.1% (54)	1.9% (4)	1.9% (4)	2.00	207
Removal of woody debris in the lake	14.7% (30)	21.6% (44)	<b>35.8% (73)</b>	22.1% (45)	5.9% (12)	2.83	204
	<b>answered question</b>						<b>209</b>
	<b>skipped question</b>						<b>6</b>

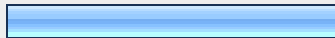




**14. Please rate your level of knowledge of aquatic invasive species (AIS) in the Tomahawk Lake System (check the appropriate box)**

	A lot	Some	Unsure	A little	None	Rating Average	Response Count
Presence in Tomahawk Lake system	27.7% (57)	<b>49.5% (102)</b>	11.7% (24)	9.2% (19)	1.9% (4)	2.08	206
Methods for preventing introductions	28.0% (58)	<b>45.4% (94)</b>	13.5% (28)	11.1% (23)	1.9% (4)	2.14	207
How AIS moves from lake to lake	36.9% (76)	<b>42.7% (88)</b>	9.7% (20)	8.7% (18)	1.9% (4)	1.96	206
Methods for preventing growth/spread in the lake	22.3% (46)	<b>47.1% (97)</b>	16.0% (33)	10.7% (22)	3.9% (8)	2.27	206
Impact on the lakes' ecosystem	29.5% (61)	<b>44.4% (92)</b>	14.0% (29)	9.2% (19)	2.9% (6)	2.12	207
Impact on water recreation	29.6% (61)	<b>42.7% (88)</b>	17.0% (35)	7.3% (15)	3.4% (7)	2.12	206
Identifying aquatic invasive species	16.0% (33)	<b>37.9% (78)</b>	21.8% (45)	13.6% (28)	10.7% (22)	2.65	206
	<b>answered question</b>						<b>207</b>
	<b>skipped question</b>						<b>8</b>




**15. How important to you is the control of aquatic invasive species?**

		Response Percent	Response Count
Not at all important		0.0%	0
Not too important		0.0%	0
Unsure		4.3%	9
Important		28.7%	60
<b>Very important</b>		<b>67.5%</b>	<b>141</b>
	<b>answered question</b>		<b>209</b>
	<b>skipped question</b>		<b>6</b>

16. How often do aquatic invasive species affect your use of the lake? (check only one)

		Response Percent	Response Count
Never		35.4%	74
Sometimes		30.1%	63
Unsure		25.4%	53
Often		6.2%	13
Always		3.4%	7
<b>answered question</b>			<b>209</b>
<b>skipped question</b>			<b>6</b>

17. Do you believe the Tomahawk Lake System needs to be managed to control aquatic invasive species?






		Response Percent	Response Count
No		1.0%	2
Unsure		14.5%	30
Yes		85.0%	176
<b>answered question</b>			<b>207</b>
<b>skipped question</b>			<b>8</b>

18. Using the following scale, please indicate your support for the following aquatic plant management control techniques.


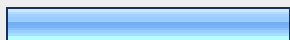
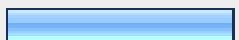
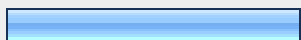

	Support use of this management technique	Do not support use of this management technique	Unsure	Rating Average	Response Count
Do nothing	5.4% (10)	<b>83.9% (156)</b>	10.8% (20)	2.05	186
Biological controls (weevils)	<b>48.5% (97)</b>	10.5% (21)	41.0% (82)	1.93	200
Hand pulling and raking	<b>71.4% (145)</b>	8.9% (18)	19.7% (40)	1.48	203
Aquatic herbicides	<b>68.0% (138)</b>	9.9% (20)	22.2% (45)	1.54	203
Mechanical harvesting	<b>65.5% (129)</b>	8.1% (16)	26.4% (52)	1.61	197
Other (please specify)					19
<b>answered question</b>					<b>208</b>
<b>skipped question</b>					<b>7</b>



**19. How important to you is having a diverse, high quality fishery on the Tomahawk Lake System?**

		Response Percent	Response Count
Not at all important		1.9%	4
Not too important		9.7%	20
Unsure		3.9%	8
Important		30.9%	64
<b>Very important</b>		<b>53.6%</b>	<b>111</b>
		<b><i>answered question</i></b>	<b>207</b>
		<b><i>skipped question</i></b>	<b>8</b>






**20. Overall, what is your evaluation of the current quality of fishery of the Tomahawk Lake System? (check one)**

		Response Percent	Response Count
Poor		8.2%	17
Fair		30.4%	63
Unsure		24.2%	50
<b>Good</b>		<b>31.9%</b>	<b>66</b>
Excellent		5.3%	11
		<b><i>answered question</i></b>	<b>207</b>
		<b><i>skipped question</i></b>	<b>8</b>








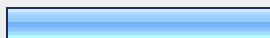

**21. In your opinion how has the population of the sport fishery changed over the past ten years? (rate the change in abundance of each fish species below)**

	A reduction in the abundance of this species	No change	Unsure	An increase in the abundance of the species	Rating Average	Response Count
Muskellunge	30.9% (63)	12.7% (26)	<b>52.9% (108)</b>	3.4% (7)	2.29	204
Northern pike	27.9% (57)	16.7% (34)	<b>51.5% (105)</b>	3.9% (8)	2.31	204
Walleye	<b>52.2% (107)</b>	7.3% (15)	39.5% (81)	1.0% (2)	1.89	205
Largemouth bass	13.8% (28)	16.3% (33)	<b>52.2% (106)</b>	17.7% (36)	2.74	203
Smallmouth bass	14.1% (29)	13.7% (28)	<b>46.3% (95)</b>	25.9% (53)	2.84	205
Pan fish	22.2% (45)	21.7% (44)	<b>49.3% (100)</b>	6.9% (14)	2.41	203
Crappie	32.5% (64)	14.7% (29)	<b>49.2% (97)</b>	3.6% (7)	2.24	197
Other (please specify)						6
<b>answered question</b>						<b>206</b>
<b>skipped question</b>						<b>9</b>





**22. Overall, what is your evaluation of the current diversity of the fishery in the Tomahawk Lake System?**

		Response Percent	Response Count
Poor		7.3%	15
Fair		28.6%	59
Unsure		28.6%	59
<b>Good</b>		<b>31.6%</b>	65
Excellent		3.9%	8
<b>answered question</b>			<b>206</b>
<b>skipped question</b>			<b>9</b>




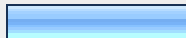
**23. What is the most important fish species for you? (check one)**

		Response Percent	Response Count
Muskellunge		9.6%	20
Northern pike		0.5%	1
<b>Walleye</b>		<b>46.6%</b>	97
Largemouth bass		2.4%	5
Smallmouth bass		5.3%	11
Pan fish		2.9%	6
Crappie		2.4%	5
I do not have a most important fish species		28.9%	60
Other (please specify)		1.4%	3
		<b>answered question</b>	<b>208</b>
		<b>skipped question</b>	<b>7</b>


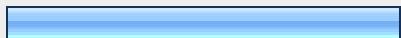


**24. How important to you is preservation of the Tomahawk Lake System watershed?**

		Response Percent	Response Count
Not at all important		0.5%	1
Not too important		0.0%	0
Unsure		4.9%	10
Important		25.7%	53
<b>Very important</b>		<b>68.9%</b>	142
		<b>answered question</b>	<b>206</b>
		<b>skipped question</b>	<b>9</b>

**25. Which of the following statements do you believe most accurately describes the Tomahawk watershed? (Check one)**

		Response Percent	Response Count
Can use more development		9.1%	19
<b>Developed to an appropriate level</b>		<b>39.4%</b>	82
Unsure		31.7%	66
Currently overdeveloped		19.7%	41
		<b>answered question</b>	<b>208</b>
		<b>skipped question</b>	<b>7</b>

**26. What is your vision for the Tomahawk Lake System watershed? (check the one you most would like to see)**

		Response Percent	Response Count
<b>A high priority placed on protecting the natural beauty of the Tomahawk Lake System, preservation and enhancement of wildlife habitat, and the implementation of clean water initiatives.</b>		<b>56.0%</b>	116
Balance the protection of the natural beauty of the Tomahawk Lake System, preservation and enhancement of the wildlife habitat and the implementation of clean water initiatives with recreational use and development of the lake.		42.0%	87
A high priority placed on greater recreation use of the Tomahawk Lake System watershed and increased development of its shoreline.		1.5%	3
Other (please specify)		0.5%	1
		<b>answered question</b>	<b>207</b>
		<b>skipped question</b>	<b>8</b>

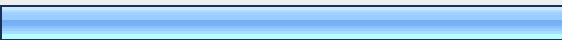
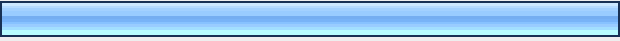
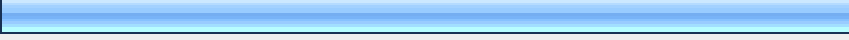
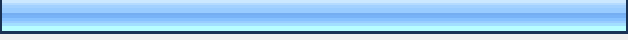
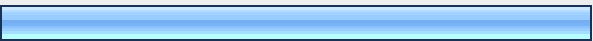
27. Please check all the concerns you have for the Tomahawk Lake System and Tomahawk Lake Watershed.

		Response Percent	Response Count
Water quality / pollution		92.3%	193
Shoreline lighting issues		23.0%	48
<b>Aquatic invasive species (AIS)</b>		<b>92.8%</b>	194
Illegal shoreline alteration		53.1%	111
Quality of fishing		68.4%	143
Protection of wildlife habitat		71.8%	150
Shoreline erosion		55.5%	116
Boat traffic		54.6%	114
Watershed protection		58.4%	122
Boating safety		49.3%	103
Boating regulation enforcement		41.6%	87
Algae growth		66.5%	139
Development of the land within the watershed		54.6%	114
Other (please specify)		4.3%	9
		<b>answered question</b>	<b>209</b>
		<b>skipped question</b>	<b>6</b>

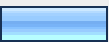
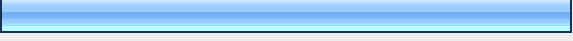
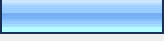

28. Rank your top three lake concerns. Select a 1 for your primary concern and 2,3 for your next choices.

	Response Average	Response Total	Response Count
Water quality / pollution	1.68	282	168
<b>Shoreline lighting issues</b>	<b>3.00</b>	<b>18</b>	<b>6</b>
Aquatic invasive species (AIS)	1.65	257	156
Illegal shoreline alteration	2.40	24	10
Quality of fishing	2.07	174	84
Protection of wildlife habitat	2.67	123	46
Shoreline erosion	2.50	35	14
Boat traffic	2.32	65	28
Watershed protection	2.38	50	21
Boating safety	2.36	33	14
Boating regulation enforcement	2.70	27	10
Algae growth	2.60	52	20
Development of the land within the watershed	2.24	101	45
	<b><i>answered question</i></b>		<b>209</b>
	<b><i>skipped question</i></b>		<b>6</b>

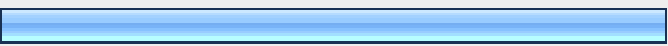
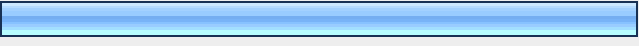
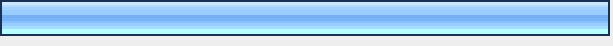
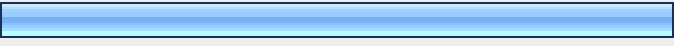
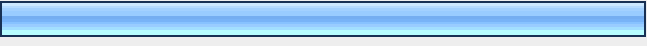

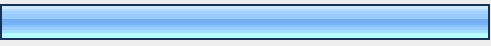
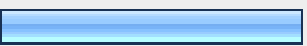
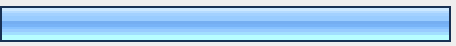
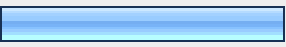
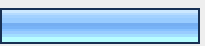
**29. From the list below, please check the choices you would recommend be used to raise money required to fund lake management projects.**

		Response Percent	Response Count
Solicit individual contributions		60.3%	126
Request funding assistance from local units of government		66.0%	138
<b>Apply for State of Wisconsin, DNR, lake management project grants (lake management project grants range from 50-75% of project costs)</b>		<b>91.4%</b>	191
Apply for private grant funds		67.5%	141
Promote the passage of state legislation to fully fund lake management projects		63.2%	132
		<i>answered question</i>	<b>209</b>
		<i>skipped question</i>	<b>6</b>

**30. If you checked individual contributions in the previous question, please indicate the amount of money you would consider contributing.**





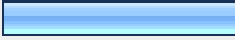


		Response Percent	Response Count
\$500 or greater per year		11.1%	16
<b>\$100 to \$499 per year</b>		<b>61.1%</b>	88
\$99 or less per year		17.4%	25
Would not contribute		10.4%	15
		<i>answered question</i>	<b>144</b>
		<i>skipped question</i>	<b>71</b>

**31. Which of the following management and educational activities do you feel should be implemented? (check all that you favor)**

		<b>Response Percent</b>	<b>Response Count</b>
Additional information at the public access sites regarding AIS species		71.7%	147
Boat launch monitoring to prevent spread of AIS species		68.3%	140
Chemically treating Eurasian water milfoil and other aquatic invasive species		65.4%	134
<b>Implementing alternative methods of aquatic invasive species control</b>		<b>72.7%</b>	149
Education regarding steps that individual property owners can take to reduce water pollution		69.3%	142
Regulations limiting the use of lawn and garden pesticides		51.7%	106
Mandatory septic tank inspections		52.2%	107
Education encouraging voluntary septic tank inspections		32.7%	67
Increased zoning and related regulations to limit the amount of development in the watershed.		48.3%	99
Zoning changes that would increase the regulation of land uses in the watershed (such as increasing setbacks and shoreline buffer zones)		30.2%	62
More regulations limiting the use of motorized boats in the lake		22.0%	45
		<b>answered question</b>	<b>205</b>
		<b>skipped question</b>	<b>10</b>



**32. Check the two best ways to communicate with you regarding proposed planning, management or educational projects related to the Tomahawk Lake system and its watershed?**

		Response Percent	Response Count
Direct mail (letters, newsletters, brochures)		84.1%	174
TLPOA web site		15.5%	32
E-mail		46.4%	96
Radio		6.8%	14
Newspaper		25.1%	52
Community presentations		11.6%	24
Other (please specify)		1.9%	4
		<b>answered question</b>	<b>207</b>
		<b>skipped question</b>	<b>8</b>

**33. If you would like us to e-mail you, please provide your e-mail address here.**

		Response Count
		97
		<b>answered question</b>
		<b>97</b>
		<b>skipped question</b>
		<b>118</b>