

Appendix C

Summary of Michigan trout fishing regulations for April 1, 2008 through March 31, 2009. See Michigan Inland Trout and Salmon Guide (www.michigan.gov/dnr) for complete trout fishing regulations.

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Table C.1.—Michigan trout stream fishing regulations for April 1, 2008 through March 31, 2009. (BKT = brook trout, BNT = brown trout, RBT = rainbow trout, SPL = splake, LAT = lake trout, COS = coho salmon, CHS = Chinook salmon, PKS = pink salmon, ATS = Atlantic salmon, L = Lower Peninsula, U = Upper Peninsula; * = 5 fish, with no more than 3 fish 15 in or larger, and no more than 1 Atlantic salmon, ** = Trout and salmon may not be possessed on type 7 streams regardless of where caught, EXCEPT: for children under the age of 12, the daily possession limit is one fish, the minimum size limit is 8 in, and the maximum size limit is 12 in. Fish less than 8 in or greater than 12 in must be released. + = It is unlawful to use or possess live bait, dead or preserved bait, organic or processed food, or scented material on any of the waters or on shore.)

Type	Open season	Possession season	Tackle	Daily possession limit	Minimum size limit (inches)						
					BKT	BNT	RBT	SPL	LAT	COS, CHS, & PKS	ATS
1	Last Saturday in April – Sept. 30	Last Saturday in April–Sept. 30	All	5/3*	8(L) 7(U)	8(L) 7(U)	10	8	24	10	15
2	Last Saturday in April – Sept. 30	Last Saturday in April–Sept. 30	All	5/3*	10	12	12	10	24	10	15
3	All year	All year	All	5/3*	15	15	15	15	24	10	15
4	All year	BNT, BKT, ATS Last Saturday in April–Sept. 30 Other trout species all year	All	5/3*	8	10	10	10	24	10	15
5	All year	BNT, BKT, ATS Last Saturday in April–Sept. 30 Other trout species all year	Artificial flies only+	2	10	15	15	15	24	10	15
6	All year	BNT, BKT, ATS Last Saturday in April–Sept. 30 Other trout species all year	Artificial lures only+	2	10	12	12	10	24	10	15
7	All year	No-kill, catch and release only**	Artificial flies only+	0							

Table C.2.—Michigan trout lake fishing regulations for April 1, 2008 through March 31, 2009. (BKT = brook trout, BNT = brown trout, RBT = rainbow trout, SPL = splake, LAT = lake trout, COS = coho salmon, CHS = Chinook salmon, PKS = pink salmon, ATS = Atlantic salmon, * = 5 fish, with no more than 3 fish 15 in or larger, and no more than 1 Atlantic salmon, ** = On Type D lakes only artificial lures may be used. It is unlawful to use or possess live bait, dead or preserved bait, organic or processed food, or scented material on any of the waters or on shore. ^ = No more than 1 Atlantic salmon. + = Daily harvest limits: 5 in any combination, no more than 3 fish of any one species, except lake trout and splake, for lake trout and splake – 2 fish.)

Type	Open season	Possession season	Tackle	Daily possession limit	Minimum size limit (inches)				
					BKT	BNT, RBT, & SPL	LAT	COS, CHS, & PKS	ATS
A	Last Saturday in April–Sept. 30	Last Saturday in April–Sept. 30	All except minnows	5/3*	10	12	15	10	15
B	All year	All year	All	5/3*	10	12	15	10	15
C	All year	All year	All	5/3*	8	8	8	10	15
D	Last Saturday in April–Sept. 30	Last Saturday in April–Sept. 30	Artificial lures only**	1	15	15	15	10	15
E	All year	All year	All	3^	15	15	15	10	15
F	All year	LAT: May 1–Labor Day Other trout species all year	All	5/3/2+	10	10	10	10	10

Appendix D

Miscellaneous creel data for streams and lakes within the Ontonagon River watershed. The data presented in Table D.1 was collected by conservation officers during the general creel census. Information included in Tables D.2 through D.4 was obtained through Michigan Department of Natural Resources, Large Lakes Survey Program (LLSP). The LLSP surveys followed a sampling design that incorporated counts of angling effort and interviews of anglers and angling parties. This design facilitated estimation of total angling effort for water bodies and total harvest for each fish species.

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Table D.1.—Direct contact angler creel data for the Ontonagon River and its tributaries. Numbers are direct observations from conservation officers and are not subject to number expansion over time. CPH = catch-per-angler hour; ? = number of angler hours was not reported on original survey form, CPH could not be calculated.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
Middle Branch Ontonagon River	1928	?	4									
	1929	31	103 (3.32)									
	1930	125	247 (1.98)		12 (0.10)							
	1931	215	435 (2.02)		3 (0.01)							
	1932	30	40 (1.33)									
	1933	107	213 (2.00)		16 (0.15)							
	1934	47	67 (1.43)									
	1935	76	167 (2.20)		16 (0.21)							
	1937	50	35 (0.71)	4 (0.08)								
	1938	49	60 (1.23)	1 (0.02)	4 (0.08)							
	1940	38	40 (1.05)		7 (0.18)							
	1941	439	363 (0.83)		10 (0.02)							
	1942	244	195 (0.80)	18 (0.07)	47 (0.19)					40 (0.16)		
	1944	360	363 (1.01)	13 (0.04)	9 (0.03)							
	1945	95	73 (0.77)	5 (0.05)	4 (0.04)							
	1946	296	309 (1.05)	18 (0.06)	14 (0.05)							
	1948	163	77 (0.47)	8 (0.05)	45 (0.28)							
	1949	627	237 (0.38)	44 (0.07)	81 (0.13)					1 (0.00)		
	1950	484	147 (0.30)	47 (0.10)	38 (0.08)			1 (0.00)				
	1951	217	61 (0.28)	12 (0.06)	41 (0.19)							
	1952	33	2 (0.06)		6 (0.18)			10 (0.30)	5 (0.15)			
	1953	138	34 (0.25)	7 (0.05)	13 (0.09)			4 (0.03)		25 (0.18)		
	1954	87	66 (0.76)	6 (0.07)	16 (0.18)							
	1955	136	126 (0.93)	6 (0.04)	19 (0.14)							
	1956	78	47 (0.60)	1 (0.01)	47 (0.60)					2 (0.03)		
	1957	176	168 (0.95)		46 (0.26)							
	1958	175	186 (1.06)		38 (0.22)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
Middle Branch Ontonagon River	1959	191	123 (0.64)	15 (0.08)	46 (0.24)	1 (0.01)				4 (0.02)		
	1960	62	21 (0.34)	6 (0.10)	8 (0.13)							
	1961	186	47 (0.25)	11 (0.06)	14 (0.08)							
	1962	108	53 (0.49)	9 (0.08)	37 (0.34)							
	1964	108	82 (0.76)	2 (0.02)	11 (0.10)							
Cedar Creek	1928	8	3 (0.38)		2 (0.25)							
	1938	6	1 (0.17)									
	1941	13	19 (1.46)									
	1944	10	10 (1.00)		1 (0.10)							
	1946	20	17 (0.85)	1 (0.05)								
	1948	3	(0.00)									
	1950	4	(0.00)									
	1954	7	11 (1.69)									
	1955	1	(0.00)									
	1956	8	7 (0.93)									
	1957	19	23 (1.21)									
	1958	9	18 (2.00)									
	1959	18	20 (1.14)									
Duck Creek	1929	32	47 (1.47)									
	1932	16	15 (0.94)									
	1933	4	3 (0.75)									
	1934	19	39 (2.05)		2 (0.11)							
	1935	30	80 (2.67)									
	1937	14	38 (2.71)									
	1938	96	26 (0.27)									
	1940	28	37 (1.32)									
	1941	129	82 (0.64)									
	1942	73	120 (1.64)									
	1944	129	129 (1.00)		1 (0.01)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
Duck Creek	1945	32	40 (1.25)									
	1946	82	117 (1.44)									
	1948	30	18 (0.60)	5 (0.17)								
	1949	57	42 (0.74)	8 (0.14)								
	1950	24	8 (0.33)	1 (0.04)	1 (0.04)							
	1951	36	11 (0.31)									
	1952	27	21 (0.78)		7 (0.26)							
	1953	13	16 (1.28)	1 (0.08)								
	1954	65	83 (1.28)									
	1955	15	28 (1.87)									
	1956	22	15 (0.68)									
	1957	87	127 (1.47)		4 (0.05)							
	1958	69	103 (1.50)									
	1959	47	54 (1.15)									
	1960	5	5 (1.00)									
	1961	8	1 (0.13)									
	1962	29	34 (1.17)									
	1964	34	45 (1.32)					1 (0.03)				
Imp Creek	1937	5	5 (1.11)									
	1941	10	15 (1.58)									
Interior Creek	1939	1										
	1953	3	7 (2.80)									
Johnson Creek	1940	15	9 (0.60)									
Marion Creek	1955	2			3 (1.50)							
McGinty Creek	1931	16	13 (0.81)									
	1939	1	4 (3.20)									
	1940	2	(0.00)									
	1941	20	1 (0.05)									
	1944	6	6 (1.00)									
	1947	7	3 (0.43)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
McGinty Creek	1948	12	7 (0.58)									
	1949	31	26 (0.84)									
	1950	3	11 (3.67)									
	1953	4										
	1954	10	2 (0.21)									
	1955	1										
	1956	6										
	1959	16	5 (0.31)									
Morrison Creek	1932	7	6 (0.86)									
	1933	22	28 (1.30)		1 (0.05)						3 (0.14)	
	1935	3	4 (1.33)									
	1940	12	37 (3.08)									
	1941	43	62 (1.46)									
	1942	44	40 (0.92)			1 (0.02)						
	1944	45	44 (0.99)									
	1946	4	8 (2.00)	1 (0.25)								
	1948	18	(0.00)									
	1949	267	100 (0.37)	1 (0.00)	8 (0.03)							
	1950	133	69 (0.52)		4 (0.03)							
	1953	5	9 (1.80)									
	1954	7	12 (1.71)									
	1955	2	6 (3.00)									
	1956	24	14 (0.58)			2 (0.08)						
	1957	6										
	1959	4										
Sargents Creek	1951	1	7 (14.0)									
	1954	4	20 (5.00)									
	1955	2	10 (5.00)									
	1956	4	7 (1.75)									
	1959	13	11 (0.88)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
Tamarack River	1928	14	6 (0.42)	1 (0.07)	6 (0.42)							
	1929	6	10 (1.67)									
	1930	19	46 (2.49)									
	1931	37	78 (2.11)									
	1932	?	33							10		
	1933	28	31 (1.11)							22 (0.79)		
	1934	?	30							45		
	1935	80	84 (1.05)									
	1936	61	47 (0.77)				3 (0.05)					
	1938	4	1 (0.25)	1 (0.25)								
	1940	2	5 (2.50)									
	1941	6	4 (0.67)									
	1942	166	185 (1.11)	2 (0.01)	25 (0.15)							
	1944	102	15 (0.15)		1 (0.01)							
	1945	43	10 (0.24)									
	1946	9	12 (1.33)		1 (0.11)							
	1947	18	4 (0.22)		1 (0.06)							
	1948	30	15 (0.51)		4 (0.14)							
	1949	34	7 (0.21)	2 (0.06)								
	1950	119	54 (0.45)	16 (0.13)	7 (0.06)							
	1951	40	14 (0.35)		1 (0.03)							
	1952	5	(0.00)									
	1953	25	17 (0.69)									
	1954	24	49 (2.09)									
	1955	6	(0.00)									
	1956	51	52 (1.02)		13 (0.26)							
	1957	50	60 (1.20)		5 (0.10)							
	1958	134	166 (1.24)		16 (0.12)							
	1959	73	40 (0.55)									
	1960	56	48 (0.86)		1 (0.02)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—upper												
Tamarack River	1961	18	18 (1.00)									
	1962	79	46 (0.59)		1 (0.01)							
	1963	14	14 (1.00)									
	1964	11	10 (0.91)									
Middle Branch—lower												
Middle Branch Ontonagon River												
	1947	44	15 (0.34)	1 (0.02)	4 (0.09)							
	1948	4	2 (0.50)	1 (0.25)	1 (0.25)							
	1949	13	1 (0.08)		4 (0.31)							
	1950	35	20 (0.57)		3 (0.09)							
	1951	86	3 (0.04)	3 (0.04)	15 (0.18)							
	1952	26						16 (0.62)				
	1953	19	2 (0.11)		14 (0.76)							
	1955	175	27 (0.15)	2 (0.01)	71 (0.41)							
	1956	38	2 (0.05)	4 (0.11)	10 (0.26)							
	1957	831			97 (0.12)							
	1960	523	33 (0.06)	15 (0.03)	76 (0.15)					4 (0.01)		
	1962	602	9 (0.01)	14 (0.02)	67 (0.11)							
	1964	131	38 (0.29)	6 (0.05)	20 (0.15)							
Baltimore River												
	1939	4	6 (1.50)									
	1940	14	8 (0.59)									
	1944	13	24 (1.85)									
	1945	107	51 (0.48)	100 (0.94)	7 (0.07)							
	1946	27	3 (0.11)	24 (0.91)	7 (0.26)							
	1947	22	7 (0.33)	32 (1.49)								
	1948	3	(0.00)									
	1950	49	19 (0.39)	43 (0.89)	2 (0.04)							
	1951	20	2 (0.10)	4 (0.20)	1 (0.05)							
	1953	60	12 (0.20)	31 (0.52)	6 (0.10)							
	1955	19	2 (0.11)	6 (0.32)	2 (0.11)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—lower												
Baltimore River	1956	15	9 (0.60)	5 (0.33)	2 (0.13)							
	1960	10	6 (0.63)	4 (0.42)								
	1962	28	29 (1.04)	13 (0.46)								
	1964	10	22 (2.20)									
Clear Creek	1940	5										
	1944	21	31 (1.51)	1 (0.05)								
	1945	7	12 (1.71)									
	1950	66	117 (1.77)		2 (0.03)							
	1951	16	11 (0.69)		1 (0.06)							
	1953	35	36 (1.04)	1 (0.03)	2 (0.06)							
	1955	63	73 (1.16)		29 (0.46)							
	1956	18	16 (0.91)		9 (0.51)							
	1962	10	15 (1.58)									
	1964	8	9 (1.13)									
Dover Creek	1928	34	26 (0.76)									
	1929	60	68 (1.13)									
	1930	22	27 (1.23)									
	1931	38	22 (0.58)									
	1932	3	3 (1.00)									
	1933	36	28 (0.78)									
	1938	3										
	1944	4										
	1945	6	30 (5.00)									
	1947	36	25 (0.69)	2 (0.06)								
	1951	11	11 (1.00)									
	1953	2	4 (2.00)									
	1956	8	6 (0.75)		4 (0.50)							
	1957	2	5 (2.50)									
	1959	7	11 (1.52)									
	1960	6			1 (0.18)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Middle Branch—lower												
Dover Creek	1961	1										
	1963	3	3 (1.00)									
	1964	2	1 (0.67)									
East Branch Baltimore River	1960	5	3 (0.60)	1 (0.20)								
Trout Creek	1928	15	18 (1.20)									
	1929	?	1									
	1931	24	125 (5.21)									
	1932	?	15									
	1936	19	26 (1.37)									
	1938	9	22 (2.59)									
	1940	18	24 (1.33)									
	1941	1	2 (2.00)									
	1944	21	40 (1.95)									
	1947	7	12 (1.71)									
	1949	7										
	1950	19	9 (0.47)									
	1951	52	39 (0.75)									
	1953	4	4 (1.00)									
	1954	12										
	1957	5	8 (1.78)									
	1958	12	5 (0.42)									
	1959	3		2 (0.67)								
	1961	6	3 (0.50)									
	1962	1		1 (1.00)								
	1964	28	41 (1.46)		1 (0.04)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Main Stem												
Ontonagon River	1948	300	2 (0.01)								120 (0.40)	16 (0.05)
	1950	252		1 (0.00)	3 (0.01)						112 (0.44)	9 (0.04)
	1951	102		1 (0.01)						5 (0.05)	38 (0.37)	3 (0.03)
	1953	64		1 (0.02)	1 (0.02)						28 (0.44)	3 (0.05)
	1954	39			1 (0.03)						13 (0.33)	5 (0.13)
	1955	141									44 (0.31)	3 (0.02)
	1956	173									36 (0.21)	4 (0.02)
	1957	439			7 (0.02)					2 (0.00)	87 (0.20)	4 (0.01)
	1958	78									16 (0.21)	
	1959	327				3 (0.01)					119 (0.36)	2 (0.01)
	1960	554						2 (0.00)			77 (0.14)	9 (0.02)
	1961	534									85 (0.16)	11 (0.02)
	1962	369									103 (0.28)	2 (0.01)
	1963	193									39 (0.20)	3 (0.02)
	1964	155		1 (0.01)	5 (0.03)						15 (0.10)	1 (0.01)
Mill Creek	1939	6	1 (0.17)									
East Branch												
East Branch Ontonagon River	1928	96	151 (1.57)									
	1929	43	23 (0.53)									
	1930	44	60 (1.36)		8 (0.18)							
	1931	52	270 (5.19)									
	1933	?	48							1		
	1934	?	17									
	1935	115	171 (1.49)		1 (0.01)					24 (0.21)		
	1936	184	161 (0.88)		24 (0.13)							
	1937	32	46 (1.46)		5 (0.16)							
	1938	104	120 (1.16)		39 (0.38)							
	1939	63	71 (1.13)		1 (0.02)							
	1940	44	53 (1.22)		14 (0.32)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout		Brown trout		Rainbow trout		Smallmouth bass		Largemouth bass		Bluegill		Pumpkinseed		Yellow perch		Walleye		Northern pike		
			Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch	CPH	Catch
East Branch																							
East Branch Ontonagon River	1941	48	25	(0.52)			18	(0.38)															
	1942	82	136	(1.66)	3	(0.04)	1	(0.01)															
	1943	27	36	(1.33)	1	(0.04)	1	(0.04)															
	1944	755	129	(0.17)	7	(0.01)	7	(0.01)															
	1945	35	59	(1.71)	1	(0.03)	3	(0.09)															
	1946	175	222	(1.27)	19	(0.11)	71	(0.41)															
	1947	89	93	(1.04)																			
	1948	23	20	(0.87)																			
	1949	410	97	(0.24)	16	(0.04)	80	(0.20)		12	(0.03)						6	(0.01)					
	1950	52	3	(0.06)	1	(0.02)	3	(0.06)															
	1951	114	41	(0.36)	9	(0.08)	3	(0.03)															
	1952	100	29	(0.29)	19	(0.19)	6	(0.06)															
	1953	161	94	(0.58)	3	(0.02)	16	(0.10)															
	1954	97	62	(0.64)	6	(0.06)	13	(0.13)															
	1955	55	14	(0.26)	5	(0.09)	49	(0.90)															
	1956	42	36	(0.87)	5	(0.12)	14	(0.34)															
	1957	107	123	(1.15)	2	(0.02)	46	(0.43)															
	1958	1	1	(2.00)																			
	1959	12	7	(0.58)																			
	1960	8																					
	1961	6	5	(0.83)																			
	1962	30	6	(0.20)	1	(0.03)	6	(0.20)															
	1963	37	23	(0.63)			1	(0.03)															
	1964	61	9	(0.15)	3	(0.05)	10	(0.17)															
Adventure Creek	1951	2	2	(1.00)																			
Beaver Creek	1929	36	79	(2.23)																			
	1930	101	81	(0.80)			14	(0.14)															
	1931	?	41																				
	1933	2																					

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
Beaver Creek	1934	21	54 (2.57)									
	1936	9	4 (0.44)									
	1937	4	11 (2.75)									
	1938	14	22 (1.57)									
	1939	24	74 (3.08)									
	1942	9	23 (2.56)									
	1946	12	42 (3.50)									
	1947	12										
	1948	10	14 (1.40)									
	1949	13	11 (0.85)									
	1950	27	23 (0.85)									
	1951	19	6 (0.32)			6 (0.32)						
	1952	14	5 (0.36)									
	1953	8	3 (0.38)									
	1954	7	9 (1.29)									
	1955	35	18 (0.51)			32 (0.91)						
	1956	21	48 (2.34)			5 (0.24)						
	1957	57	109 (1.91)	4 (0.07)	10 (0.18)							
	1959	23	17 (0.74)	1 (0.04)	5 (0.22)							
	1960	58	63 (1.10)		7 (0.12)							
1961	10	18 (1.80)										
1962	8	10 (1.25)										
1963	62	78 (1.26)										
1964	94	95 (1.01)	1 (0.01)									
Jumbo River												
	1929	20	59 (2.95)									
	1930	15	25 (1.72)									
	1931	74	135 (1.82)									
	1932	15	37 (2.47)			1 (0.07)						
	1933	48	26 (0.54)				18 (0.38)		24 (0.50)	14 (0.29)		1 (0.02)
	1934	7	9 (1.29)						1 (0.14)			

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
Jumbo River	1935	35	60 (1.71)									
	1936	78	101 (1.29)		8 (0.10)							
	1937	10	4 (0.42)									
	1938	19	26 (1.37)		1 (0.05)							
	1939	18	18 (1.00)									
	1940	40	67 (1.68)									
	1941	181	110 (0.61)		5 (0.03)							
	1942	130	151 (1.17)									
	1944	263	70 (0.27)									
	1945	8	3 (0.38)									
	1946	74	49 (0.66)									
	1947	122	57 (0.47)			1 (0.01)						
	1948	86	60 (0.70)			6 (0.07)						
	1949	245	180 (0.73)	5 (0.02)	35 (0.14)							
	1950	47	8 (0.17)	8 (0.17)	3 (0.06)							
	1951	83	53 (0.64)		7 (0.08)							
	1952	210	236 (1.13)	1 (0.00)	3 (0.01)							
	1953	46	57 (1.25)	1 (0.02)	15 (0.33)							
	1956	37	87 (2.35)	5 (0.14)	2 (0.05)							
	1957	25	47 (1.88)		1 (0.04)							
	1959	8	3 (0.40)									
	1960	7	10 (1.43)									
	1961	3										
	1962	4	3 (0.75)									
	1963	4										
	1964	86	12 (0.14)		11 (0.13)							
Leveque Creek												
	1933	6	13 (2.17)									
	1936	10	29 (2.90)									
	1937	19	6 (0.32)									
	1938	2	2 (1.00)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
Leveque Creek	1940	42	69 (1.64)									
	1941	38	7 (0.18)									
	1942	64	19 (0.30)									
	1944	2	3 (1.50)									
	1945	6	12 (2.00)									
	1946	4	1 (0.25)									
	1948	4	2 (0.50)									
	1953	13	19 (1.46)			1 (0.08)						
	1954	4	10 (2.50)									
	1955	13	42 (3.23)									
	1956	10	9 (0.90)									
	1958	2										
	1960	22	10 (0.47)									
	1961	22	20 (0.91)									
	1962	22	39 (1.81)									
1963	21	24 (1.14)										
1964	6	3 (0.55)										
Newholm Creek	1940	34	56 (1.65)		3 (0.09)							
	1941	26	8 (0.31)									
	1942	8	9 (1.16)									
	1944	19	10 (0.53)		4 (0.21)							
	1945	10	12 (1.20)									
	1946	4										
	1950	12										
	1951	8	5 (0.63)		3 (0.38)							
	1954	5	2 (0.40)									
	1957	2										
1958	5	6 (1.20)										
1960	7											

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
Newholm Creek	1962	3	6 (2.00)									
	1963	7	14 (2.00)									
Onion Creek	1936	26	34 (1.31)									
	1952	6	3 (0.50)									
	1957	23	4 (0.17)		17 (0.74)							
	1959	6	5 (0.83)									
	1960	21	22 (1.05)									
	1961	2	2 (1.00)									
	1963	1	1 (2.00)									
	1964	5	1 (0.20)									
Passmore Creek	1944	16	2 (0.13)									
	1946	12										
	1949	2										
Shane Creek	1939	3	10 (3.33)									
Smith Creek	1928	27	34 (1.26)									
	1929	86	65 (0.76)									
	1930	1	1 (1.00)									
	1938	10	4 (0.40)									
	1939	2	3 (1.50)									
	1940	18	18 (1.03)									
	1941	18	28 (1.56)									
	1943	5	15 (3.33)									
	1944	3	9 (3.00)									
	1945	23	8 (0.35)			2 (0.09)						
	1946	41	25 (0.61)	4 (0.10)	9 (0.22)							
	1947	41	8 (0.20)									
	1948	3	5 (1.67)									
1950	16	19 (1.19)										
1951	12	6 (0.50)	6 (0.50)									
1953	6	6 (1.00)										

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
Smith Creek	1954	9	11 (1.22)									
	1958	4	9 (2.25)									
	1961	6	1 (0.17)									
Stony Creek	1933	49	50 (1.02)		5 (0.10)							
	1934	41	80 (1.95)									
	1935	54	62 (1.16)									
	1936	66	83 (1.27)									
	1937	5	5 (1.00)									
	1938	4	1 (0.25)									
	1939	2	1 (0.50)									
	1940	4										
	1941	18	4 (0.22)									
	1942	25	52 (2.12)									
	1943	17	9 (0.53)									
	1944	224	73 (0.33)									
	1945	56	35 (0.63)		1 (0.02)							
	1946	26	39 (1.53)									
	1947	47	8 (0.17)									
	1948	10	2 (0.20)									
	1951	4	5 (1.25)									
1952	15	22 (1.47)										
1954	25	24 (0.96)										
1960	8	1 (0.13)										
1961	2	4 (2.00)										
1963	10	5 (0.50)										
West Branch Jumbo River												
West Branch Jumbo River	1931	9	18 (2.00)									
	1936	23	14 (0.61)									
	1937	8	8 (1.07)									
	1938	11	5 (0.45)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
East Branch												
West Branch Jumbo River	1939	21	21 (1.01)									
	1941	100	37 (0.37)									
	1942	86	98 (1.14)									
	1943	5	8 (1.60)									
	1944	266	29 (0.11)									
	1946	54	39 (0.72)									
	1948	67	45 (0.67)									
	1949	62	68 (1.10)									
	1950	4	3 (0.75)		1 (0.25)							
	1951	18										
	1952	72	163 (2.26)									
	1957	17	25 (1.47)									
	1960	10	3 (0.30)									
	1961	33	28 (0.85)									
	1964	7	11 (1.57)									
Cisco Branch												
Cisco Branch Ontonagon River	1941	12	21 (1.75)									
	1942	2										
	1953	4										
	1962	3	1 (0.33)									
Grosbeck Creek	1942	13	15 (1.15)									
	1943	16	25 (1.56)									
	1946	46	57 (1.24)									
	1948	4										
	1950	1										
Tenderfoot Creek	1930	?	16									
	1938	1										
	1939	10	10 (1.00)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
Cisco Branch												
Tenderfoot Creek	1942	23	39 (1.70)									
	1943	1	1 (1.00)									
	1945	8	12 (1.50)									
	1946	27										
	1947	6										
	1953	1										
	1954	7	6 (0.86)									
South Branch												
South Branch Ontonagon River	1937	2										
	1938	3									3 (1.00)	2 (0.67)
	1948	1										
Bluff Creek												
	1932	16	22 (1.38)									
	1933	10	12 (1.20)									
	1935	5										
	1936	14	23 (1.70)									
	1937	39	48 (1.25)									
	1938	109	54 (0.50)									
	1939	6	4 (0.67)									
	1940	3	2 (0.62)									
	1941	6	20 (3.33)									
	1942	53	53 (1.00)									
	1943	5	(0.00)									
	1944	65	86 (1.32)									
	1945	20	31 (1.55)									
	1946	22	38 (1.73)	3 (0.14)								
	1947	17	27 (1.59)	2 (0.12)								
	1948	60	18 (0.30)		4 (0.07)	2 (0.03)						
	1950	93	109 (1.17)	2 (0.02)	4 (0.04)							
	1951	23	(0.00)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
Bluff Creek	1953	44	40 (0.92)		4 (0.09)							
	1954	13	38 (2.92)									
	1955	128	85 (0.67)	3 (0.02)	77 (0.60)							
	1956	74	50 (0.68)		14 (0.19)							
	1957	29	38 (1.31)	1 (0.03)	8 (0.28)							
	1958	24	36 (1.53)									
	1959	19	22 (1.16)		11 (0.58)							
	1960	16	4 (0.25)	2 (0.13)	2 (0.13)							
	1961	168	66 (0.39)	9 (0.05)	11 (0.07)							
	1962	44	14 (0.32)	4 (0.09)	7 (0.16)							
	1964	10	11 (1.10)		1 (0.10)							
Bond Falls Canal	1959	5	8 (1.60)		1 (0.20)							
	1960	7	2 (0.29)	3 (0.43)	1 (0.14)							
	1961	9	3 (0.33)		4 (0.44)							
	1962	2										
Scott and Howe Creek	1948	2	8 (5.33)									
	1949	4	9 (2.25)									
	1950	5	27 (5.40)									
	1951	3	3 (1.00)									
	1953	2	4 (2.00)									
	1954	12	22 (1.83)									
	1955	2										
	1962	3	6 (2.00)									
	1964	7	13 (1.86)									
Sisson-Lilley Creek	1945	10	19 (1.90)									
Spring Creek (Tributary to Paulding Creek)	1950	14	28 (2.07)									
Sucker Creek	1928	22										
	1929	22										

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
Sucker Creek	1931	6										
	1932	25	29 (1.16)									
	1933	?	9									
	1935	6	18 (3.00)									
	1936	28	2 (0.07)								1 (0.04)	
	1937	3	4 (1.33)									
	1938	25	18 (0.72)									
	1939	3	4 (1.60)									
	1941	6	22 (4.00)									
	1942	16	16 (1.00)									
	1944	18	47 (2.58)									
	1945	24	32 (1.33)		20 (0.83)							
	1946	34	32 (0.94)	4 (0.12)								
	1947	8	15 (1.88)	3 (0.38)								
	1948	20	34 (1.70)	1 (0.05)	3 (0.15)							
	1950	69	102 (1.49)	1 (0.01)								
	1951	6										
	1953	55	30 (0.55)	7 (0.13)	8 (0.15)							
	1954	3	3 (1.00)									
	1955	89	58 (0.65)		14 (0.16)							
	1956	19	8 (0.42)	1 (0.05)	5 (0.26)							
	1957	2	11 (5.50)									
	1958	36	59 (1.66)		10 (0.28)							
	1960	10	6 (0.60)	1 (0.10)								
	1961	24	27 (1.13)	3 (0.13)								
	1962	46	31 (0.68)		3 (0.07)							
	1964	40	67 (1.68)	4 (0.10)	4 (0.10)							
West Branch												
West Branch Ontonagon River	1937	166									65 (0.39)	4 (0.02)

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
West Branch Ontonagon River	1938	9									1 (0.11)	
	1939	14					1 (0.07)				8 (0.57)	4 (0.29)
	1941	90				6 (0.07)				8 (0.09)	35 (0.39)	4 (0.04)
	1942	15									13 (0.87)	
	1944	124				9 (0.07)				13 (0.11)	85 (0.69)	3 (0.02)
	1945	26								1 (0.04)	13 (0.50)	4 (0.15)
	1946	67								14 (0.21)	13 (0.19)	14 (0.21)
	1947	52									22 (0.42)	3 (0.06)
	1948	3									3 (1.00)	
	1951	15								1 (0.07)		
	1953	7									8 (1.14)	1 (0.14)
	1957	46		1 (0.02)						5 (0.11)	15 (0.33)	18 (0.39)
	1958	7										
	1959	89				4 (0.05)				47 (0.53)	23 (0.26)	9 (0.10)
Cascade Creek	1930	6	75 (12.5)									
	1931	10	34 (3.40)									
	1936	12	13 (1.13)									
	1937	20	64 (3.28)									
	1938	52	128 (2.49)	1 (0.02)								
	1939	10	9 (0.90)									
	1940	5	1 (0.20)									
	1941	56	70 (1.25)									
	1942	81	123 (1.52)		3 (0.04)							
	1944	52	44 (0.85)									
	1945	57	72 (1.26)	1 (0.02)								
	1946	42	44 (1.06)									
	1948	58	5 (0.09)									
	1954	83	35 (0.42)			34 (0.41)						
	1955	107	53 (0.50)	3 (0.03)	8 (0.07)							

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
Cascade Creek	1956	9	10 (1.11)									
	1958	46	99 (2.18)		5 (0.11)							
	1959	45	24 (0.54)	10 (0.22)	3 (0.07)							
	1961	14	1 (0.07)	3 (0.21)								
Marshall Creek												
	1938	2										
	1942	6	6 (1.00)									
	1944	13	2 (0.15)									
	1945	13	30 (2.31)									
	1947	1										
	1948	35	8 (0.23)		4 (0.11)							
Pelton Creek												
	1930	4	4 (1.00)									
	1939	49	31 (0.63)									
	1941	15	63 (4.20)									
	1942	43	85 (1.98)									
	1943	21	14 (0.67)									
	1944	155	76 (0.49)									
	1945	24	36 (1.50)									
	1946	158	181 (1.15)									
	1947	154	120 (0.78)									
	1948	53	52 (0.98)									
	1949	53	28 (0.53)									
	1950	6										
	1951	3	1 (0.33)									
	1952	11	14 (1.27)									
	1953	29	49 (1.69)									
	1954	19	22 (1.16)									
	1956	30	1 (0.03)									
	1957	17	17 (1.00)									
	1964	2	1 (0.50)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
Slate River	1930	?	76									
	1931	55	34 (0.62)								6 (0.11)	1 (0.02)
	1932	4	8 (2.00)									
	1933	16	41 (2.56)								14 (0.88)	1 (0.06)
	1934	?								6	3	
	1938	37	20 (0.54)									
	1939	263	89 (0.34)							4 (0.02)	10 (0.04)	15 (0.06)
	1940	62	26 (0.42)								6 (0.10)	1 (0.02)
	1941	528	277 (0.52)		2 (0.00)						76 (0.14)	38 (0.07)
	1942	587	358 (0.61)							15 (0.03)	42 (0.07)	50 (0.09)
	1943	209	126 (0.60)								19 (0.09)	1 (0.00)
	1944	552	86 (0.16)							5 (0.01)	72 (0.13)	19 (0.03)
	1945	116	163 (1.41)							12 (0.10)	7 (0.06)	
	1946	251	248 (0.99)								4 (0.02)	
	1947	143	52 (0.36)								2 (0.01)	1 (0.01)
	1948	256	163 (0.64)	1 (0.00)						1 (0.00)	1 (0.00)	
	1949	186	109 (0.59)								16 (0.09)	1 (0.01)
	1950	5	1 (0.20)									
	1951	3	7 (2.33)									
	1953	18	4 (0.22)	17 (0.94)								
	1954	3	2 (0.67)									
	1956	1										
	1957	31	36 (1.16)									
	1962	30								26 (0.87)		
	1964	7	6 (0.86)									
Trout Brook	1939	5	6 (1.20)									
	1940	11	16 (1.45)									
	1941	9	14 (1.56)									
	1942	25	52 (2.06)									

Table D.1.–Continued.

Subwatershed stream	Year	Angler hours	Brook trout	Brown trout	Rainbow trout	Smallmouth bass	Largemouth bass	Bluegill	Pumpkinseed	Yellow perch	Walleye	Northern pike
			Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH	Catch CPH
South Branch												
Trout Brook	1943	3										
	1945	12	22 (1.83)									
	1946	4	1 (0.25)									
	1947	12	3 (0.25)									
	1948	68	9 (0.13)									
	1950	3										
	1953	3	7 (2.33)									
	1963	2										

Table D.2.—Angler survey estimates for Bond Falls Flowage (Hanchin, in press). Survey period was May 8 through October 15, 2003. Two standard errors are given in parentheses.

Species	Catch/hour		May	June	July	August	Sept	Oct	Season
Number harvested									
Smallmouth bass	0.0225	(0.0126)	21 (29)	267 (227)	48 (40)	77 (63)	59 (78)	0 (0)	472 (253)
Walleye	0.0453	(0.0154)	308 (194)	31 (34)	164 (94)	373 (174)	74 (63)	0 (0)	950 (287)
Yellow perch	0.0276	(0.0145)	3 (5)	95 (119)	128 (100)	315 (235)	38 (76)	0 (0)	579 (292)
Northern pike	0.0053	(0.0034)	73 (62)	7 (10)	5 (8)	25 (28)	2 (4)	0 (0)	112 (70)
Muskellunge	0.0005	(0.0010)	0 (0)	0 (0)	0 (0)	0 (0)	10 (21)	0 (0)	10 (21)
Black crappie	0.0091	(0.0080)	0 (0)	25 (49)	157 (158)	5 (11)	4 (8)	0 (0)	191 (166)
Bluegill	0.0023	(0.0032)	0 (0)	0 (0)	17 (22)	31 (63)	0 (0)	0 (0)	48 (66)
Largemouth bass	0.0008	(0.0017)	0 (0)	18 (36)	0 (0)	0 (0)	0 (0)	0 (0)	18 (36)
Pumpkinseed	0.0003	(0.0007)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	7 (14)
Rock bass	0.0383	(0.0249)	15 (30)	386 (344)	239 (299)	163 (221)	0 (0)	0 (0)	803 (507)
Green sunfish	0.0004	(0.0009)	0 (0)	9 (19)	0 (0)	0 (0)	0 (0)	0 (0)	9 (19)
Total harvested	0.1525	(0.0420)	420 (208)	838 (436)	758 (368)	997 (378)	187 (128)	0 (0)	3,200 (727)
Number released									
Smallmouth bass	0.0564	(0.0284)	83 (91)	779 (536)	74 (52)	129 (113)	119 (104)	0 (0)	1,185 (568)
Walleye	0.1281	(0.1111)	393 (425)	145 (139)	293 (200)	445 (276)	1,414 (2,225)	0 (0)	2,690 (2,295)
Yellow perch	0.0189	(0.0181)	0 (0)	6 (12)	115 (153)	266 (340)	10 (21)	0 (0)	397 (374)
Northern pike	0.0766	(0.0283)	602 (379)	350 (252)	306 (198)	226 (176)	125 (112)	0 (0)	1,609 (538)
Muskellunge	0.0001	(0.0002)	0 (0)	0 (0)	2 (3)	0 (0)	0 (0)	0 (0)	2 (3)
Bluegill	0.0003	(0.0004)	0 (0)	0 (0)	4 (8)	0 (0)	2 (3)	0 (0)	6 (9)
Rock bass	0.0174	(0.0095)	41 (44)	162 (147)	62 (59)	48 (56)	52 (78)	0 (0)	365 (190)
Total released	0.2978	(0.1260)	1,119 (579)	1,441 (626)	856 (330)	1,113 (488)	1,721 (2,231)	0 (0)	6,252 (2,460)
Total (harvested & released)	0.4503	(0.1409)	1,539 (615)	2,280 (763)	1,615 (494)	2,110 (618)	1,908 (2,235)	0 (0)	9,452 (2,565)
Fishing effort									
Angler hours			5,048 (2,104)	5,118 (1,318)	3,492 (1,185)	5,203 (1,511)	1,862 (785)	268 (443)	20,991 (3,266)
Angler trips			1,445 (660)	1,937 (658)	980 (349)	1,555 (559)	682 (308)	81 (135)	6,679 (1,190)

Table D.3.—Angler survey estimates for the Cisco Chain (Hanchin et al. 2008). Survey period was May 4 through October 31, 2002. Two standard errors are given in parentheses.

Species	Catch/hour	May	June	July	August	Sept	Oct	Season
		Number harvested						
Brook trout	0.0002 (0.0004)	0 (0)	0 (0)	34 (67)	0 (0)	0 (0)	0 (0)	34 (67)
Lake herring	0.0008 (0.0010)	0 (0)	0 (0)	38 (76)	97 (148)	10 (19)	0 (0)	145 (167)
Lake whitefish	<0.0001 (0.0001)	0 (0)	0 (0)	0 (0)	7 (10)	0 (0)	0 (0)	7 (10)
Smallmouth bass	0.0097 (0.0043)	11 (22)	283 (257)	644 (567)	469 (318)	253 (205)	0 (0)	1,660 (729)
Largemouth bass	0.0048 (0.0024)	0 (0)	167 (171)	579 (372)	62 (77)	13 (18)	0 (0)	821 (417)
Walleye	0.0160 (0.0042)	1,024 (480)	767 (350)	532 (329)	197 (150)	150 (95)	67 (44)	2,737 (704)
Yellow perch	0.3431 (0.0487)	11,358 (4,381)	11,270 (2,714)	12,674 (3,673)	9,496 (2,636)	11,189 (3,135)	2,781 (1,186)	58,769 (7,631)
Northern pike	0.0135 (0.0047)	213 (204)	746 (473)	507 (269)	115 (124)	692 (517)	46 (63)	2,318 (790)
Black crappie	0.0286 (0.0115)	560 (626)	2,297 (1,437)	1,523 (1,102)	104 (85)	413 (325)	5 (9)	4,901 (1,945)
Bluegill	0.2213 (0.0439)	124 (182)	5,493 (2,450)	16,898 (5,445)	8,711 (3,064)	6,070 (2,428)	609 (978)	37,906 (7,206)
Pumpkinseed	0.0103 (0.0056)	0 (0)	529 (686)	789 (595)	190 (144)	256 (243)	0 (0)	1,763 (951)
Rock bass	0.0117 (0.0060)	0 (0)	1,205 (817)	716 (592)	49 (65)	29 (59)	0 (0)	2,000 (1,013)
Round whitefish	0.0004 (0.0006)	0 (0)	0 (0)	0 (0)	62 (105)	0 (0)	0 (0)	62 (105)
Total harvested	0.6604 (0.0738)	13,290 (4,460)	22,756 (4,125)	34,933 (6,761)	19,573 (4,068)	19,075 (4,026)	3,507 (1,539)	113,135 (10,851)
		Number released						
Lake herring	<0.0001 (0.0001)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	7 (13)	7 (13)
Lake whitefish	0.0103 (0.0121)	0 (0)	0 (0)	1,771 (2,073)	0 (0)	0 (0)	0 (0)	1,771 (2,073)
Smallmouth bass	0.1036 (0.0202)	691 (652)	3,259 (1,087)	6,402 (2,247)	5,283 (1,981)	1,902 (792)	204 (172)	17,741 (3,307)
Largemouth bass	0.0320 (0.0077)	525 (348)	1,086 (546)	2,263 (870)	907 (540)	657 (399)	38 (65)	5,476 (1,278)
Walleye	0.0954 (0.0159)	4,335 (1,527)	3,675 (1,387)	2,842 (914)	2,217 (743)	2,271 (687)	1,006 (623)	16,346 (2,550)
Yellow perch	0.3772 (0.0715)	8,132 (6,113)	6,241 (2,089)	21,278 (7,913)	15,138 (4,269)	12,800 (3,659)	1,038 (530)	64,626 (11,672)
Northern pike	0.0697 (0.0150)	2,464 (1,460)	3,149 (1,073)	2,389 (1,110)	1,980 (858)	1,701 (920)	253 (192)	11,936 (2,477)
Bluegill	0.6090 (0.0998)	425 (445)	12,973 (4,766)	37,590 (9,230)	33,354 (9,706)	18,826 (6,994)	1,155 (2,238)	104,323 (16,007)
Pumpkinseed	0.0547 (0.0380)	63 (80)	665 (674)	6,501 (6,294)	1,686 (1,324)	461 (527)	0 (0)	9,376 (6,489)
Rock bass	0.0350 (0.0102)	534 (401)	1,801 (832)	3,080 (1,393)	462 (355)	87 (64)	25 (27)	5,990 (1,710)
Muskellunge	0.0018 (0.0009)	67 (105)	43 (46)	70 (59)	58 (45)	4 (6)	62 (72)	304 (155)
Carp	0.0001 (0.0001)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)	11 (22)
Total released	1.3887 (0.1493)	17,236 (6,516)	32,891 (5,726)	84,196 (14,196)	61,085 (10,946)	38,709 (8,043)	3,789 (2,399)	237,905 (21,611)
Total harvested & released	2.0492 (0.1838)	30,527 (7,896)	55,647 (7,057)	119,129 (15,724)	80,658 (11,678)	57,783 (8,995)	7,296 (2,850)	351,040 (24,182)
		Fishing effort						
Angler hours		26,393 (4,534)	38,124 (4,375)	41,049 (4,891)	30,835 (3,456)	26,570 (4,080)	8,339 (2,155)	171,310 (9,841)
Angler trips		6,224 (1,773)	9,542 (3,334)	9,365 (2,910)	7,681 (2,049)	6,521 (1,716)	1,755 (596)	41,087 (5,498)

Table D.4.–Angler survey estimates for Lake Gogebic (Z. Su, MDNR Fisheries Division, unpublished). Survey period was May 15 through September 30, 2005. Two standard errors are given in parentheses.

Species	Catch/hour	May	June	July	August	Sept	Season
Number harvested							
Smallmouth bass	0.0114 (0.0047)	87 (103)	466 (299)	104 (87)	318 (247)	178 (176)	1,152 (447)
Walleye	0.0479 (0.0129)	374 (241)	965 (444)	1,202 (443)	1,141 (475)	1,169 (764)	4,851 (1,123)
Yellow perch	0.0891 (0.0251)	987 (858)	849 (478)	3,139 (1,318)	3,131 (1,341)	930 (630)	9,035 (2,213)
Northern pike	0.0014 (0.0009)	25 (38)	41 (50)	48 (48)	6 (13)	25 (32)	145 (86)
Black crappie	0.0001 (0.0001)	6 (9)	0 (0)	0 (0)	0 (0)	0 (0)	6 (9)
Bluegill	0.0005 (0.0008)	0 (0)	0 (0)	0 (0)	0 (0)	47 (85)	47 (85)
Largemouth bass	0.0002 (0.0003)	17 (34)	0 (0)	0 (0)	0 (0)	0 (0)	17 (34)
Pumpkinseed	0.0022 (0.0018)	46 (72)	104 (141)	20 (40)	19 (37)	29 (50)	218 (175)
Rock bass	0.0020 (0.0021)	24 (37)	79 (128)	96 (158)	0 (0)	0 (0)	199 (206)
White sucker	0.0002 (0.0004)	0 (0)	18 (36)	0 (0)	0 (0)	0 (0)	18 (36)
Total harvested	0.1548 (0.0330)	1,565 (902)	2,523 (745)	4,609 (1,404)	4,614 (1,444)	2,378 (1,011)	15,689 (2,539)
Number released							
Smallmouth bass	0.0679 (0.0295)	438 (475)	4,030 (2,634)	790 (397)	1,368 (804)	256 (231)	6,882 (2,832)
Walleye	0.1452 (0.0366)	2,778 (1,673)	3,532 (1,411)	3,057 (1,169)	3,409 (1,306)	1,947 (1,323)	14,723 (3,100)
Yellow perch	0.0451 (0.0166)	586 (662)	376 (286)	1,342 (752)	1,499 (831)	770 (806)	4,573 (1,558)
Northern pike	0.0339 (0.0105)	683 (478)	1,194 (571)	716 (406)	434 (281)	407 (322)	3,435 (949)
Bluegill	0.0011 (0.0017)	0 (0)	0 (0)	0 (0)	8 (16)	99 (166)	107 (167)
Pumpkinseed	0.0038 (0.0053)	0 (0)	0 (0)	0 (0)	0 (0)	390 (535)	390 (535)
Rock bass	0.0141 (0.0098)	20 (40)	307 (378)	445 (362)	424 (716)	235 (404)	1,431 (976)
White sucker	0.0001 (0.0002)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	12 (24)
Total released	0.3113 (0.0635)	4,506 (1,921)	9,451 (3,079)	6,349 (1,545)	7,141 (1,906)	4,105 (1,742)	31,553 (4,714)
Total (harvested & released)	0.4660 (0.0835)	6,071 (2,123)	11,974 (3,168)	10,958 (2,087)	11,756 (2,391)	6,483 (2,014)	47,242 (5,355)
Fishing effort							
Angler hours		15,430 (6,442)	26,438 (7,108)	21,496 (4,030)	21,765 (4,114)	16,243 (8,515)	101,372 (14,060)
Angler trips		4,649 (1,996)	7,012 (2,487)	7,173 (1,600)	4,757 (1,021)	4,552 (2,895)	28,143 (4,707)