

**LEGEND**

- ▲ SAMPLING SITE

**LAKE CHEMUNG**

**WATER QUALITY SAMPLING LOCATION MAP**

LIVINGSTON COUNTY, MICHIGAN

1" = 1000'

0 1000'

**Progressive**

1811 4 MILE ROAD, NE  
 GRAND RAPIDS, MI 49526-2442  
 616 361 2864 VOICE  
 616 361 1463 FAX  
 WWW.PROGRESSIVEAE.COM



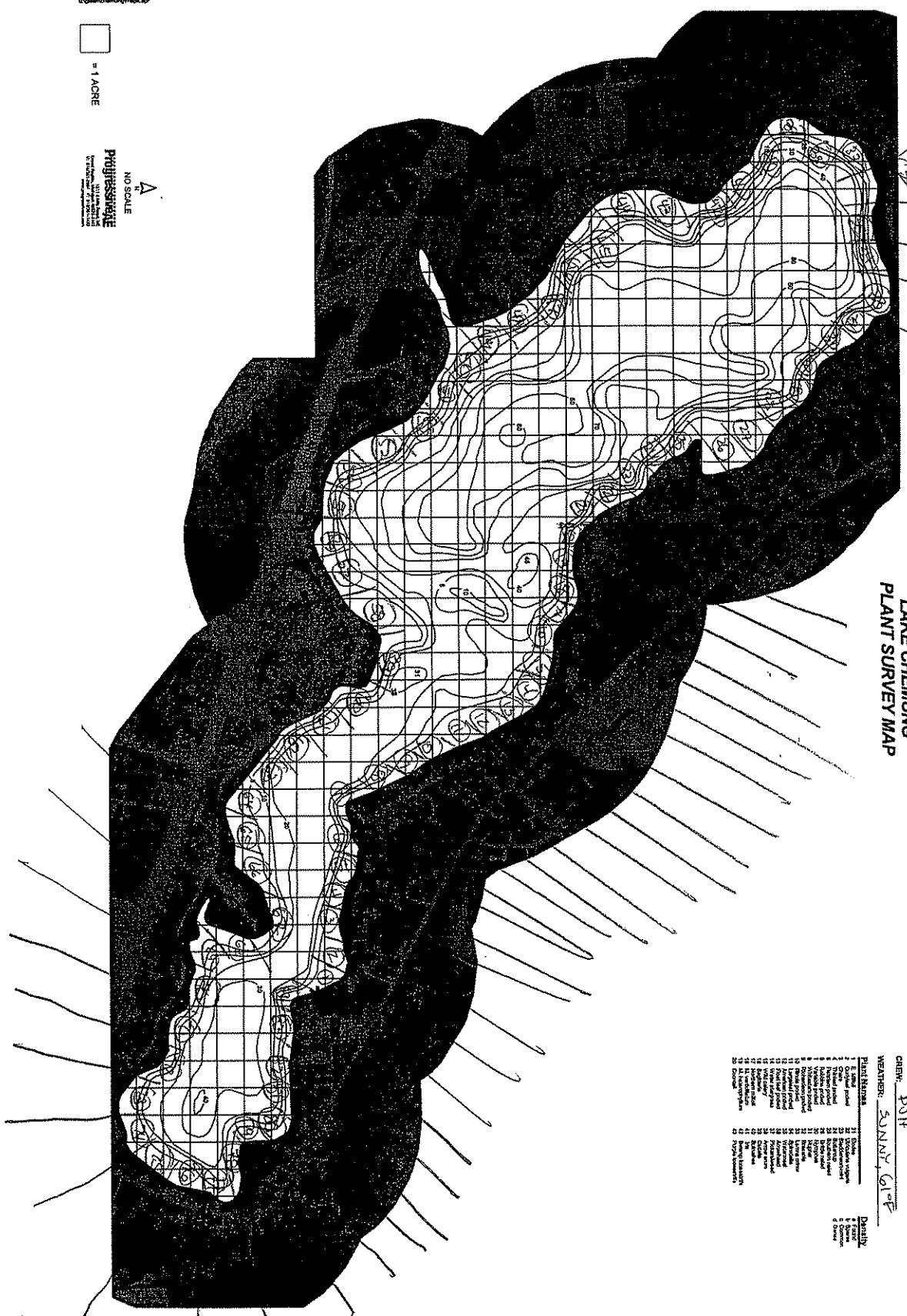
**LAKE CHEMUNG  
PLANT SURVEY MAP**

DATE: 9-14-07

CNRP: PSH

WEATHER: SUNNY, 61°F

Plant Numbers		Density	
1	5	1	1
2	6	2	2
3	7	3	3
4	8	4	4
5	9	5	5
6	10	6	6
7	11	7	7
8	12	8	8
9	13	9	9
10	14	10	10
11	15	11	11
12	16	12	12
13	17	13	13
14	18	14	14
15	19	15	15
16	20	16	16
17	21	17	17
18	22	18	18
19	23	19	19
20	24	20	20
21	25	21	21
22	26	22	22
23	27	23	23
24	28	24	24
25	29	25	25
26	30	26	26
27	31	27	27
28	32	28	28
29	33	29	29
30	34	30	30
31	35	31	31
32	36	32	32
33	37	33	33
34	38	34	34
35	39	35	35
36	40	36	36
37	41	37	37
38	42	38	38
39	43	39	39
40	44	40	40
41	45	41	41
42	46	42	42
43	47	43	43
44	48	44	44
45	49	45	45
46	50	46	46
47	51	47	47
48	52	48	48
49	53	49	49
50	54	50	50
51	55	51	51
52	56	52	52
53	57	53	53
54	58	54	54
55	59	55	55
56	60	56	56
57	61	57	57
58	62	58	58
59	63	59	59
60	64	60	60
61	65	61	61
62	66	62	62
63	67	63	63
64	68	64	64
65	69	65	65
66	70	66	66
67	71	67	67
68	72	68	68
69	73	69	69
70	74	70	70
71	75	71	71
72	76	72	72
73	77	73	73
74	78	74	74
75	79	75	75
76	80	76	76
77	81	77	77
78	82	78	78
79	83	79	79
80	84	80	80
81	85	81	81
82	86	82	82
83	87	83	83
84	88	84	84
85	89	85	85
86	90	86	86
87	91	87	87
88	92	88	88
89	93	89	89
90	94	90	90
91	95	91	91
92	96	92	92
93	97	93	93
94	98	94	94
95	99	95	95
96	100	96	96



□ = 1 ACRE

NO SCALE  
 ▲  
 PROGRESSIVE  
 SURVEYING & MAPPING  
 1111 W. 10th St.  
 Erie, PA 16510  
 814-833-1111



PTH

7  
2

- (51) 39b, 40b, 11b, 15b, 3b, 10b, 14c
- (52) 14c, 11b, 10b, 1b, 15c, 3a
- (53) 14c, 5c, 3b, 37c, 1b, 11b, 30c, 31c, 15c
- (54) 37c, 42c, 30c, 31c, 15c, 11b, 1b, 9b, 5b, 31b
- (55) 42c, 43c, 39b, 37c, 31c, 30c, 11c, 9b, 3c, 15b, 1b, 40b
- (56) 5c, 10b, 1b, 3c, 14b, 40c, 31b, 20b
- (57) 3d, 10b, 11b, 40c, 39b, 30c, 31c, 5b, 1b
- (58) 3c, 10c, 10c, 30b, 31b, 11b, 20b, 15b, 9b
- (59) 3c, 10b, 15c, 5b, 1c
- (60) 15c, 1c, 3b
- (61) 15c, 1c, 20b, 14b, 5b, 3b
- (62) 3b, 15c, 1c, 20b
- (63) 3b, 15c, 31b, 1c, 9b
- (64) 3c, 1b, 15c, 5c, 11c, 9b
- (65) 3c, 1b, 15c, 1c, 9c
- (66) 3c, 15c, 1b, 10b, 30c, 40c, 37c, 20b
- (67) 3c, 20c, 15b, 40b, 37b, 1b, 10b
- (68) 30c, 31c, 1c, 37c, 20b, 41b, 5b, 15c, 11c
- (69) 30c, 31c, 42c, 15c, 39b, 1c, 9b, 3c, 11c
- (70) 3c, 11c, 1c, 15c, 9b, 3c, 42c, 31b
- (71) 3c, 1c, 15c, 20b, 36b
- (72) 3b, 10c, 20b, 15c, 37c, 36b, 31b
- (73) 39c, 42c, 37c, 15c, 30c, 31c, 1c, 20b, 5b, 10b
- (74) 42c, 43b, 14c, 15c, 3c, 1b, 5b, 20b, 3c, 31c
- (75) 3c, 30c, 31c, 39b, 15c, 20b, 1b
- (76) 40b, 31b, 15c, 3c, 36b, 1b, 20b
- (77) 3c, 39b, 36b, 1c, 15c, 43b, ~~31b~~
- (78) 39b, 40b, 31c, 1c, 15b, 30c, 20b
- (79) 1c, 15c, 3b, 40c, 39b, 31c, 20b
- (80) 15c, 9b, 31c, 37c, 3c, 1b, 36b
- (81) 3b, 15c, 39b, 1b
- (82) 3c, 15b, 5b, 31b
- (83) 31b, 2b, 20b, 15b, 9b
- (84) 3b, 15b, 1c, 9b, 20b

---

**Paul Hausler**

**From:** Paul Hausler  
**Sent:** Tuesday, October 09, 2007 9:30 AM  
**To:** Jim Baker (bakerjp@michigan.gov)  
**Cc:** Tony Groves; Pam Tynning; himichv@michigan.gov; Steve & Laura Wildman (sunburnz@comcast.net); Gerry Matevia (jmatevia@wild-pack.com)  
**Subject:** Request for Information on Fishery

Mr. Baker: In accordance with the *Guidance for Lake Management Plans* (MDEQ, 2005), we are requesting any information that the Michigan DNR-Fisheries Division has specific to Lake Chemung including:

1. Location and description of critical fish spawning habitat;
2. Location and description of any special habitats;
3. A list of fish species present in the waterbody;
4. Any plant communities of local concern.

Lake Chemung is located in Livingston County, Genoa Township (T. 2N; R. 5E, Sections 3, 4, 9, 10, and 11) .

Thank you for your time. We look forward to receiving any information you have regarding Lake Chemung.

**Paul J. Hausler**  
Water Resources Department  
Civil Engineering Division  
Progressive AE  
1811 4 Mile Road, NE  
Grand Rapids, MI 49525-2442  
[hauslerp@progressiveae.com](mailto:hauslerp@progressiveae.com)  
[www.progressiveae.com](http://www.progressiveae.com)  
[www.michiganlakeinfo.com](http://www.michiganlakeinfo.com)

## Paul Hausler

---

**From:** Kathrin Schrouder [schroudk@michigan.gov]  
**Sent:** Tuesday, October 09, 2007 11:00 AM  
**To:** Paul Hausler  
**Cc:** James Baker; Joseph Leonardi  
**Subject:** Re: Request for Information on Fishery

**Attachments:** Chemung.doc



Chemung.doc  
(456 KB)

Jim Baker has asked that I send you some information regarding Chemung Lake. I will attach it to this email. The Biologist in charge of this area in our management unit, Joseph Leonardi, is currently on vacation. He should be able to address any information you may need regarding this lake and may be able to send you additional information. Please direct any further information needs to Joseph Leonardi. He can be reached at 810- 245-1250.

Please find attached the last species evaluation and survey write-up of Chemung. A survey was conducted in 2007, but no results or evaluations are completed yet.

Kathrin Schrouder  
Fisheries Biologist  
Southern Lake Huron Management Unit  
989-684-9141 8071

[schroudk@michigan.gov](mailto:schroudk@michigan.gov)



**Introduction**

Lake Chemung is located in Genoa Township of Livingston County near the city of Howell. Surrounding land is described as undulating hills dominated by clay-loam and sand soil. Lake Chemung is a 310-acre lake reaching a maximum depth of 60 feet and is characterized as having abrupt contour changes. Bottom substrate is described as sand, marl, and muck. Approximately 40% of the littoral is vegetated providing the principle form of fish cover. Limnological parameters indicate the lake is slightly alkaline with a methyl orange alkalinity of 150-175 ppm. pH ranges from 7.5 – 8.5 and summer temperature and oxygen profiles indicate thermocline development between 12 and 20 feet with adequate oxygen concentration for most fish species to the 25 foot depth.

Flow into Lake Chemung occurs from a small unnamed creek on the north shore. Water levels are maintained by a water control structure located at the outlet on the northwest shore. This outlet flows to Thompson Lake and eventually connects to the Shiawassee River. A sizable sand and rock reef is located in the lake center near the inlet confluence.

The immediate shoreline of Lake Chemung is extensively developed with residential housing. A boat sales/marina and community beach is also present. Parks and Recreation Division maintains a paved barrier free access site located off Hughes Road. Historically, Lake Chemung experienced pollution problems from leaking septic tanks. In 1994, residents and businesses were connected to a sewer line. Recreational use of Lake Chemung is extensive and conflicts between speed boaters, sailors, jet skis, and anglers can develop. However, the winter fishery is popular and angling pressure can be intense. Lake Chemung has maintained a good angling reputation for bluegill, black crappie, and largemouth bass with occasional catches of northern pike and yellow perch. Historically, a coregonid (ciscoe, whitefish) fishery was reported but appeared to have collapsed in the early 1960's. Zebra mussels were detected in the early 1990's and they continue to survive.

**Past Management**

The Lake Chemung fish community has been monitored regularly by Fisheries Division. Survey information is available from sampling efforts in 1986, 1991, 1995, and 1997. Fish stocking has occurred in a number of years (Table 1). Walleye were introduced in 1983 and redear sunfish in 1994. In 1995, a one-time stock of adult ciscoe and lake whitefish occurred in an effort to re-establish the coregonid fishery. In 1997, walleye stocking rates were increased in an effort to establish higher density and provide greater angler opportunity.

Table 1. Lake Chemung fish stocking, 1983 to present.

Year	Species	Number	Avg. size	#/acre
1983	Walleye	12,000	-	39
1985	Walleye	18,600	2.2"	60
1991	Walleye	22,000 sf	1.9"	71
1994	Redear sunfish	5,106 ff	2.1"	16
1995	Redear sunfish	38,400 ff	2.0"	124
	Lake herring*	307 a	10.0"	1
1997	Walleye	46,198 sf	1.6"	149
	Redear sunfish	29,466 ff	2.5"	95
1999	Walleye	31,000 sf	2.4"	100
2000	Walleye	28,110 sf	1.9"	91

sf = spring fingerling, ff = fall fingerling, a = adult, \* = ciscoe and whitefish

**Survey Objective**

The principle objective of this survey was to evaluate the status of the fishery with particular emphasis on evaluating the success of walleye, redear sunfish, and coregonid stocking.



**Survey Results and Discussion**

A total of 696 fish representing 17 species of fish were collected in this survey. Bluegill, brown and black bullhead, and pumpkinseed sunfish dominated the trap net catch. Bluegill, pumpkinseed sunfish, largemouth bass, and yellow perch dominated the electrofishing catch. The gill net effort was poor with only 12 fish being caught.

Bluegill were the most abundant species collected in the trap nets. A total of 235 bluegill averaging 5.6 inches comprised 44% of the catch. Twenty-eight percent of these fish met or exceeded the acceptable harvest size of 6 inches. Bluegill size structure appears to have declined since the 1995 assessment. Using the Schneider Index (Schneider 1990) for classifying bluegill lakes, Lake Chemung scored 3.75 for an "satisfactory-acceptable" rating (Table 2). Data collected does not allow an explanation for this decline. It may be the result of a natural shift in year class strength, gear bias, or the result of mortality including angler harvest. Growth analysis indicates bluegill are growing near state average having a mean growth index of -0.1.

Table 2. Lake Chemung bluegill size structure using the Schneider Index for classifying bluegill lakes using trap net gear (index value in parenthesis).

Sample date	6/5/86		5/9/91		5/23/95		5/17/01	
Sample size	494		1427		372		235	
Water temp.	71F				61F		64F	
Ave. length (in.)	6.5	(5)	6.5	(5)	7.4	(6)	5.6	(3)
% ≥ 6 inches	73	(4)	62	(4)	93	(6)	28	(3)
% ≥ 7 inches	38	(5)	38	(5)	65	(6)	16	(4)
% ≥ 8 inches	1	(5)	2	(5)	28	(6)	5	(5)
Growth index	-0.6		+0.3		+0.6		-0.1	
Index score	4.75		4.75		6.0		3.75	
Rank	Good/Sat.		Good/Sat.		Excell.		Sat./Acpt.	

Ranking: 7 = Superior, 6 = Excellent, 5 = Good, 4 = Satisfactory, 3 = Acceptable, 2 = Poor, 1 = V. Poor

Brown and black bullhead were the second most abundant species collected with trap net gear. A total of 19 black bullhead averaging 10.8 inches and 73 brown bullhead averaging 11.8 inches were collected. Although not highly sought after by anglers, bullheads play an important scavenger role in the fish community.

A total of 68 pumpkinseed sunfish averaging 7.0 inches comprised 13% of the trap net catch. Seventy-nine percent of these fish met or exceeded the acceptable harvest size of 6.0 inches. This catch compares similarly to the 1995 assessment when 58 fish averaged 7.3 inches. One of the concerns of introducing redear sunfish to Lake Chemung was potential negative affect on the pumpkinseed since both share similar diet and habitat. Growth analysis indicates pumpkinseed are growing above state average having a mean growth index of +0.7. In 1995, mean growth index for pumpkinseed sunfish was +0.6 suggesting no negative affects are occurring.

A total of 62 redear sunfish averaging 9.1 inches comprised 11% of the trap net catch. Management objective at the onset of stocking was to provide a "trophy size" panfish for anglers. This catch indicates good survival some natural reproduction may be occurring. Redear growth was exceptional with a mean growth index of +1.2. Management objectives appear be met and a self-sustaining population of sizable fish is expected to continue.

Electrofishing and trap net catches indicate a good largemouth bass fishery. A total of 43 largemouth bass averaging 12.3 inches were collected with the two gear types. Thirty-three percent of these fish met or exceeded the minimum harvest size of 14 inches. This catch compares similarly to the 1995 assessment. Growth analysis indicates largemouth are growing below state average having a mean growth index of -0.7. However, below average growth for largemouth bass is common to most lakes in the area. The largemouth bass fishery appears in good shape with a number of sizable fish available.



Assessments conducted in 1986 and 1991 did not collect any walleye and their survival was suspect. The 1995 assessment collected 7 walleye (19-20 inches) giving hope that survival might be enhanced with higher density stocking. In 1997, walleye stocking rate was increased to 149 spring fingerling/acre. Fall indexing in 1997 using Serns methodology resulted in the capture of only 3 young of the year (yoy) and a density estimate of 0.16 yoy walleye/acre. Serns methodology suggests a density of 10 yoy/acre necessary to produce a significant walleye fishery (3-5 adult walleye/acre). Five walleye averaging 19.3 inches were collected with trap net gear and an additional 19-inch walleye was caught with gill nets. Low abundance of walleye collected in this assessment indicates a significant walleye fishery is not being attained. However, incidental angler catches of walleye have been reported and is an indication of some survival. A more species targeted survey in spring or late fall would most likely give a better indication of walleye survival and abundance. Presently, evidence indicates a significant walleye fishery will not develop at current stocking rates.

Six northern pike averaging 23.5 inches were collected with trap nets and electrofishing gear. Two of these fish met or exceeded the minimum harvest size of 24 inches. Historically, northern pike were abundant in Lake Chemung. In 1962, a fish kill specific to adult northern pike was reported. Over 40 adult northern pike were found dead. Cause of the mortality was undetermined but presumed to be of bacterial origin. Presently, northern pike numbers appear reduced but are in a stable state. Shoreline development has greatly decreased spawning habitat and may be a contributing factor.

A total of 26 black crappie averaging 8.2 inches were collected with trap net and electrofishing gear. Ninety-two percent of these fish met or exceeded the acceptable harvest size of 7 inches. Growth analysis indicates black crappie are growing near state level with a mean growth index of +0.1. In 1995, 133 fish averaging 8.7 inches were collected. Although the black crappie catch was below what was found in 1995, it is believed a good and stable population and exists.

No coregonids were collected in this assessment suggesting poor survival of the 1995 stock. It is likely, lake conditions no longer favor cold water species. Other fish species collected in small numbers included: bowfin, channel catfish, golden shiner, rock bass, warmouth, white sucker, and yellow perch.

#### **Summation and Recommendations**

Presently the fish community of Lake Chemung appears in satisfactory state. There is some concern with the declined bluegill size structure but no actions are recommended at this time. Redear sunfish appear to be doing well and should maintain without supplemental stocking. There is reasonable evidence to indicate some walleye survival and continued stocking is recommended. However, unless stocking rates are increased, it is unlikely a significant walleye population will develop. Walleye stocking at a rate of 50-100 spring fingerlings on an alternate year schedule should assure a small fishery continues.

Management recommendations are to renew the fisheries prescription for walleye stocking. It is recommended to continue stocking 31,000 spring fingerling walleye (100/acre) on an alternate year schedule resuming in 2002.

#### **References**

Schneider, J.C. 1990. Classifying bluegill population from lake survey data. Michigan Department of Natural Resources, Fisheries Technical Report No. 90-10. Ann Arbor, Michigan.





## Fish Stocking Database

County	Water Site (Town Range Section)	Species Strain	Date	Number	Avg. Length (in.)	Operation	Fin Clips, Marks, Tags
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Lake herring	5/25/1995	307	10.16	Educational institution	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Redear sunfish	10/17/1994	5,106	2.12	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Redear sunfish	9/27/1995	38,400	2.04	Transplant of Wild Fish	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Redear sunfish	9/30/1997	29,466	2.52	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye	6/20/1983	12,000	0	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye	6/19/1985	18,600	2.2	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye	6/13/1991	22,000	1.92	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Muskegon</i>	6/10/1997	31,000	1.32	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Muskegon</i>	7/9/1997	15,198	2.24	Marsh & Rearing Pond Release	none
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Tittabawassee</i>	6/15/1999	31,000	2.48	Marsh & Rearing Pond Release	oxytetracycline
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Tittabawassee</i>	6/8/2000	23,631	1.84	Marsh & Rearing Pond Release	oxytetracycline
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Tittabawassee</i>	6/13/2000	4,479	2.44	Marsh & Rearing Pond Release	oxytetracycline
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Tittabawassee</i>	6/12/2003 2:00:00 PM	17,256	1.472	Marsh & Rearing Pond Release	oxytetracycline
Livingston	Lake Chemung LAKE CHEMUNG (02N 05E 10)	Walleye <i>Tittabawassee</i>	6/15/2004 2:01:00 PM	18,704	2.032	Marsh & Rearing Pond Release	oxytetracycline
Livingston	Lake Chemung LAKE CHEMUNG	Walleye <i>Tittabawassee</i>	6/6/2006 2:14:00 PM	16,521	1.776	Marsh & Rearing Pond	oxytetracycline


[Michigan.gov Home](#)
[DNR Home](#) | [Links](#) | [Site Map](#) | [Contact DNR](#) | [Ask DNR](#)


## Master Angler Entries

Category	Species	County	Waterbody	Date/Time	Year	Weight (lbs)	Length (in)	Angler	Angler's City
Catch and Keep	BLUEGILL	Livingston	Lake Chemung	6/14/2002 7:00:00 PM	2002	1.31	10.50	WHITNEY SCHWARTZ	FENTON
Catch and Keep	BLUEGILL	Livingston	Lake Chemung	6/10/2004 6:00:00 PM	2004	1.19	10.50	DOUG BUEHLER	LAINGSBURG
Catch and Keep	REDEAR SUNFISH	Livingston	Lake Chemung	6/22/2002 10:30:00 AM	2002	1.11	11.13	JIM THEECK	FENTON
Catch and Keep	REDEAR SUNFISH	Livingston	Lake Chemung	6/22/2002 11:00:00 AM	2002	1.06	11.00	JIM THEECK	FENTON
Catch and Keep	REDEAR SUNFISH	Livingston	Lake Chemung	6/22/2002 10:30:00 AM	2002	1.03	10.38	JOSH THEECK	FENTON
Catch and Keep	REDEAR SUNFISH	Livingston	Lake Chemung	6/22/2002 10:00:00 AM	2002	1.02	10.75	JIM THEECK	FENTON
Catch and Release	BLACK BULLHEAD	Livingston	Lake Chemung	7/24/2005 6:15:00 PM	2005		15.00	LUKE ALLEN JOHNSON	HARTLAND
Catch and Release	BLUEGILL	Livingston	Lake Chemung	7/20/2003 8:22:00 AM	2003		10.50	ALAN THOMAS FRISK	LIVONIA
Catch and Release	BLUEGILL	Livingston	Lake Chemung	7/14/2002 9:13:00 AM	2002		10.00	ALAN THOMAS FRISK	LIVONIA
Catch and Release	BOWFIN	Livingston	Lake Chemung	7/12/2003 10:00:00 AM	2003		28.00	MICHAEL DEAN CARL	FOWLERVILLE
Catch and Release	REDEAR SUNFISH	Livingston	Lake Chemung	5/24/2003 9:00:00 AM	2003		10.75	JON A. SCHNEIDER	CANTON
Catch and Release	REDEAR SUNFISH	Livingston	Lake Chemung	6/6/2003 8:00:00 AM	2003		10.50	DARRYL ALLEN SCHNEIDER	CANTON

[New Search](#)

---

**Paul Hausler**

**From:** Paul Hausler  
**Sent:** Tuesday, October 09, 2007 11:49 AM  
**To:** David L. Dominic (dominid@michigan.gov)  
**Cc:** Don Cooper (dcooper@co.montcalm.mi.us); hobrlar@michigan.gov; Tony Groves; Pam Tynning; himichv@michigan.gov; Gerry Matevia (jmatevia@wild-pack.com); Steve & Laura Wildman (sunburnz@comcast.net)  
**Subject:** Request for Information on Wildlife/Habitat (Cowden Lake - Montcalm County, Lake Chemung - Livingston County)

Mr. Dominic: In accordance with the *Guidance for Lake Management Plans* (MDEQ, 2005), we are requesting any information that the Michigan DNR-Wildlife Division has specific to the areas adjacent to or within the following lakes including:

1. Location and description of any special habitats;
2. Information from wildlife surveys done in the area of the waterbody;
3. Any plant communities of local concern.
4. Any special concern, threatened, or endangered plant/animal species (an environmental review has also been initiated through the DNR's website).

The lakes we are requesting information for within your jurisdiction are as follows:

- Cowden Lake, Montcalm County, T. 11N; R. 9W, Sections 11 and 14
- Lake Chemung, Livingston County, T. 2N; R. 5E, Sections 3, 4, 9, 10, and 11

Thank you for your time. We look forward to receiving any information you have regarding these lakes.

**Paul J. Hausler**  
Water Resources Department  
Civil Engineering Division  
Progressive AE  
1811 4 Mile Road, NE  
Grand Rapids, MI 49525-2442  
[hauslerp@progressiveae.com](mailto:hauslerp@progressiveae.com)  
[www.progressiveae.com](http://www.progressiveae.com)



STATE OF MICHIGAN

JENNIFER M. GRANHOLM  
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
LANSING

REBECCA A. HUMPHRIES  
DIRECTOR

October 10, 2007

Mr Paul J Hausler  
Progressive AE  
1811 4 Mile Road, NE  
Grand Rapids MI 49525

RE: **Lake Chemung**

Dear Mr Paul J Hausler:

Thank you for using the Michigan DNR Endangered Species Assessment website. Based on the information you have provided, project activities may proceed. It has been determined that federal and state endangered, threatened, special concern species, exemplary natural plant communities, or unique natural features are **not known to occur** at or near the location specified:

Livingston County, T02N R05E Section 10.

The location of the request was checked against known localities for rare species and unique natural features, which are recorded in a statewide database. This continuously updated database is a comprehensive source of information on Michigan's endangered, threatened and special concern species, exemplary natural communities and other unique natural features. Records in the database indicate that a qualified observer has documented the presence of special natural features at a site. The absence of records may mean that a site has not been surveyed. Records may not always be up-to-date. In some cases, the only way to obtain a definitive statement on the presence of rare species is to have a competent biologist perform a field survey.

Michigan's endangered and threatened species are protected under Part 365 of the Natural Resources and Environmental Protection Act, Act 451 of the Michigan Public Acts of 1994. Federally listed species are protected under the United States Endangered Species Act of 1973. Special concern species, exemplary natural communities and other unique natural features are not legally protected by state or federal endangered species legislation, but they are considered to be rare and should be protected to prevent future listing.

Thank you for your advance coordination in addressing the protection of Michigan's natural resource heritage. Responses and correspondence can be sent to: Endangered Species Review, Michigan Department of Natural Resources, Wildlife Division - Natural Heritage Program, PO Box 30180, Lansing, MI 48909. If you have further questions, please call 517-373-1263 or e-mail [DNR-EndangeredSpecies@michigan.gov](mailto:DNR-EndangeredSpecies@michigan.gov).

NATURAL RESOURCES COMMISSION

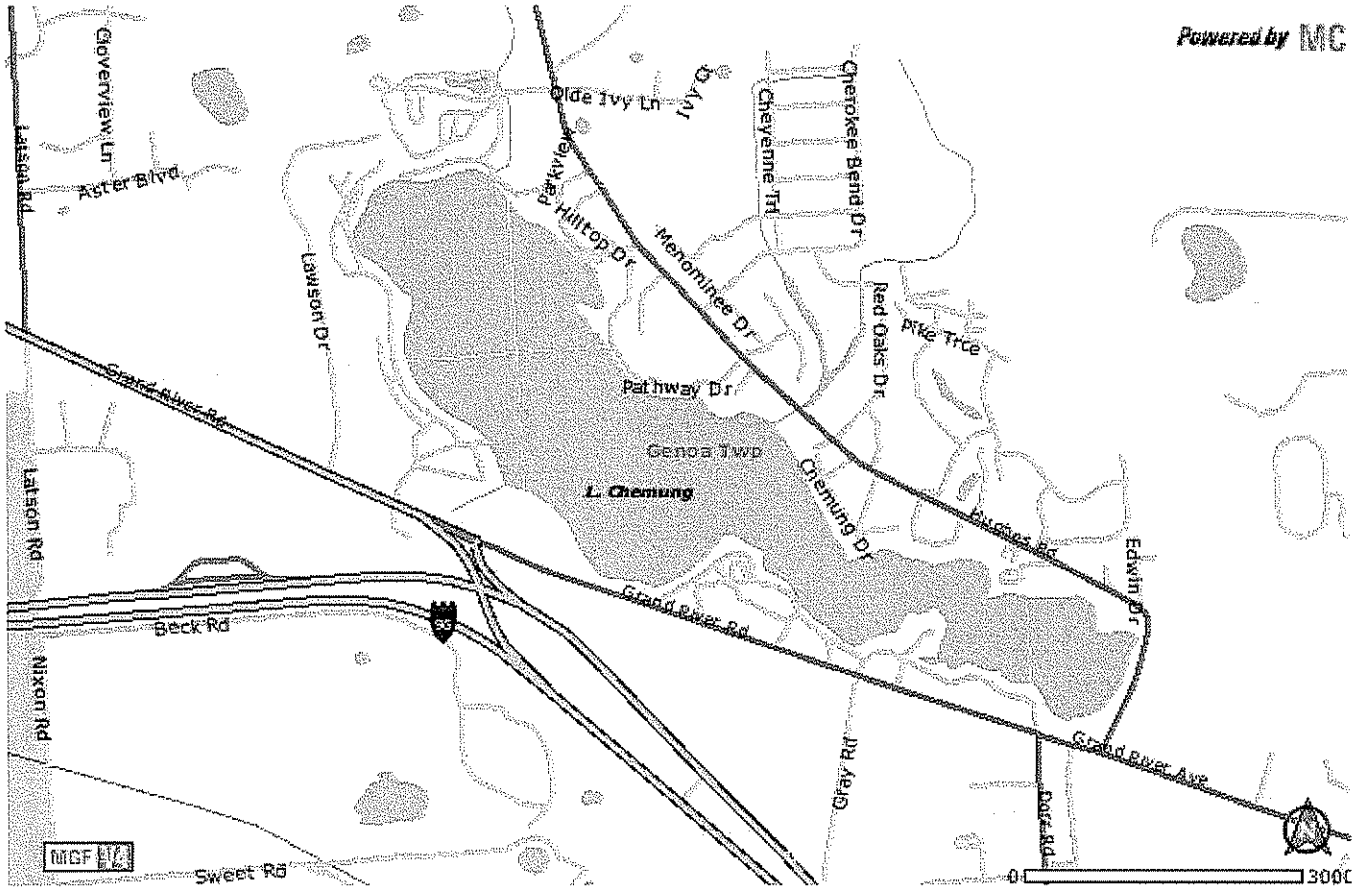
Keith J. Charters-Chair \* Mary Brown \* Bob Garner \* Gerald Hall \* John Madigan \* Frank Wheatlake

STEVENS T. MASON BUILDING \* P.O. BOX 30028 \* LANSING, MICHIGAN 48909-7528  
[www.michigan.gov](http://www.michigan.gov) \* (517)373-2329

# ENDANGERED SPECIES ASSESSMENT

10/10/20

Powered by MCGI



Disclaimer: No warranty, expressed or implied is made and no liability is assumed by the State of Michigan in general or the Michigan Center for Geographic Information specific as to the accuracy or usability of this data.

Copyright © 2001-2007 State of Michigan