



Michigan Department of Natural Resources

Wildlife Division

Natural Heritage Program

P.O. Box 30180

Lansing, MI 48909

MICHIGAN FROG AND TOAD SURVEY

By authority of Part 439, of PA 451 of 1994

Observer name(s), RUN 1 Frank R. Simkins
(Add addresses and RUN 2 Frank R. Simkins
phone on back) RUN 3 Frank R. Simkins

Route No. 298

Year 2017

County Grand Traverse

INSTRUCTIONS: Use this form for new or established survey routes. Each route consists of 10 listening sites, and is repeated 3 times during the breeding season, according to the minimum air temperatures and approximate range of dates each survey period. Run surveys after dark, when wind velocity is less than 8 mph. Listen for 3-5 minutes at each site and record a call index of 1, 2, or 3 (see below) for each species calling. See back of sheet for wind and sky codes and additional comments. Return to above address by September 1.

FIELD DATA SHEET

FIRST RUN Air Temp. 45°F +		SECOND RUN Air Temp. 55°F +		THIRD RUN Air Temp. 65°F +		
Date: <u>4-9-2017</u>		Date: <u>5-29-2017</u>		Date: <u>6-30-2017</u>		
Time: <u>8:40pm</u>		Time: <u>9:30pm</u>		Time: <u>10:00pm</u>		
Wind: <u>2</u>		Wind: <u>0</u>		Wind: <u>0</u>		
Sky: <u>3</u>		Sky: <u>1</u>		Sky: <u>1</u>		
Air temp. (F) <u>69°</u>		Air temp. (F) <u>60°</u>		Air temp. (F) <u>69°</u>		
SITE NAME	1. Fowler's toad	1	2	1	1	1
	2. Chorus frog	3	2	1	1	1
	3. Spring peeper	3	2	1	1	1
	4. Leopard frog	2	1	1	1	1
	5. Pickerel frog	2	1	1	1	1
	6. American toad	2	1	1	1	1
	7. C. gray tree frog	2	1	1	1	1
	8. Mink frog	2	1	1	1	1
	9. Green frog	2	1	1	1	1
	10. Bullfrog	2	1	1	1	1
Mean	2.2	2.2	2.2	2.2	2.2	
Freq.	3	3	3	3	3	

*The call index is a rough estimate of the numbers of calling males of a particular species, according to the following index values:

1. Individuals can be counted; there is space between calls.
2. Calls of individuals can be distinguished but there is some overlapping of calls (intermediate between "1" and "3").
3. Full chorus. Calls are constant, continuous and overlapping.

Please print the names, addresses and phone numbers of all observers.
Place an asterisk by name of cooperator who should receive materials next spring.

Name Frank R. Sminkis
Address 451 S. East Silver Lake Rd.
Traverse City, MI 49685
Phone 231-943-4281

Enter sky and wind codes on front of data sheet.

Sky code no.	Sky Condition	Wind code no.	Wind (miles per hour)	Wind Speed	Indicators of wind speed
0	clear or a few clouds	0	less than 1		smoke rises vertically
1	partly cloudy or variable	1	1-3		wind direction shown by smoke drift
2	drizzle	2	4-7		wind felt on face; leaves rustle
		3	8-12		leaves and small twigs in constant motion; wind extends light flag
		4	13-18		raises dust and loose paper; small branches are moved

Comments (difficulties, background noise levels, uncertain calls, habitat changes since previous run or previous year, etc.):

Site	Run 1	Run 2	Run 3
1			
2			
3			
4			
5	Construction *	Construction *	Construction *
6			
7			
8			
9			
10			

Miscellaneous comments:

* - Site #5 Large Beaver Pond is being replaced by the new river channel for the Boardman River as part of the Dam Removal project.

IMPORTANT: Documentation requested for records of cricket frog and species outside known range -- see instructional materials

MISCELLANEOUS OBSERVATIONS

BY AUTHORITY OF PART 439, OF PA 451 OF 1994

Observer

Dept. of Natural Resources

PO Box 30444

Lansing, MI 48909

Address 451 S. East Silver Lake Rd.

Traverse City, MI 49685

Phone No. 231-943-4781

E-mail: ESS@indiana.edu www.msu.com

INSTRUCTIONS: Please use this sheet to submit sight or call records of any Michigan amphibian or reptile species. Use a separate line for each species and for each visit to a particular site. On the back of this sheet, include supporting information or additional comments. Documentation is required for all endangered species (tape recording, verification by experienced observer, thorough description). Return to above address by September 1.

[illegible]

* Call index values of frog and toad calls: 1 = individuals can be counted; there is space between calls, 2 = calls of individuals distinguishable but there is some overlapping of calls. 3 = full chorus; calls are constant, continuous, and overlapping.