

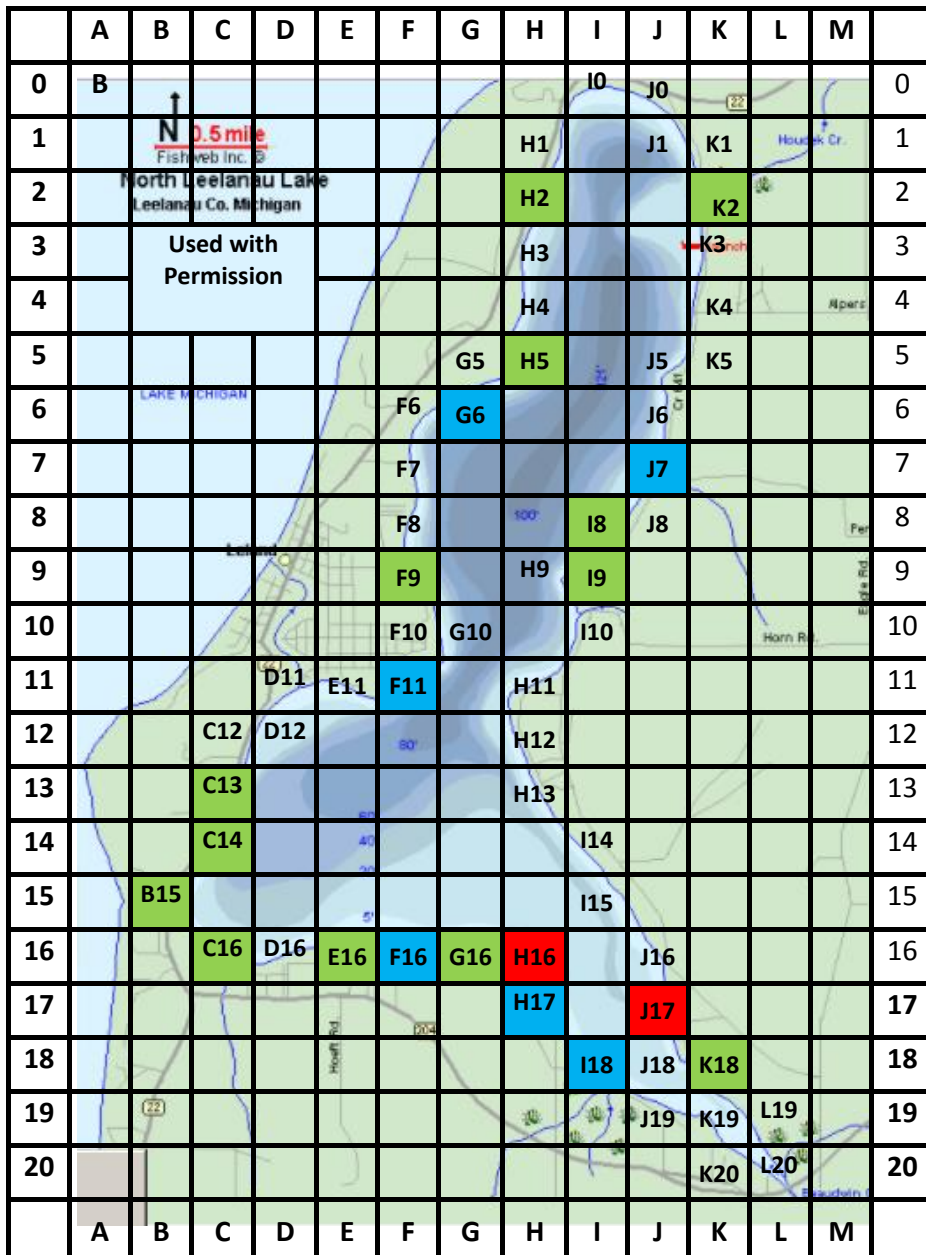
# North Lake Leelanau Swimmers' Itch Reports Through 9-5-19

Key to # Cases in Each Quadrant			
1	2	3	4 or more

Swimmers' Itch Summary Statistics					
			Worst severity from each report		
Lake	# Reports	# Cases	Mild	Moderate	Severe
North Lake	33	96	16	12	5
South Lake	62	173	15	42	5

## North Lake Familiar Locations

Schneiders Beach (H17); Leland-Chandler St (D11); Leland-4th St. (E11); Nedows Bay(F9); Celebration/Cemetery Pt. (H5); Suelzer Park (K3); Porter Landing Horn Rd End (J6), Wardens Pt (H11).



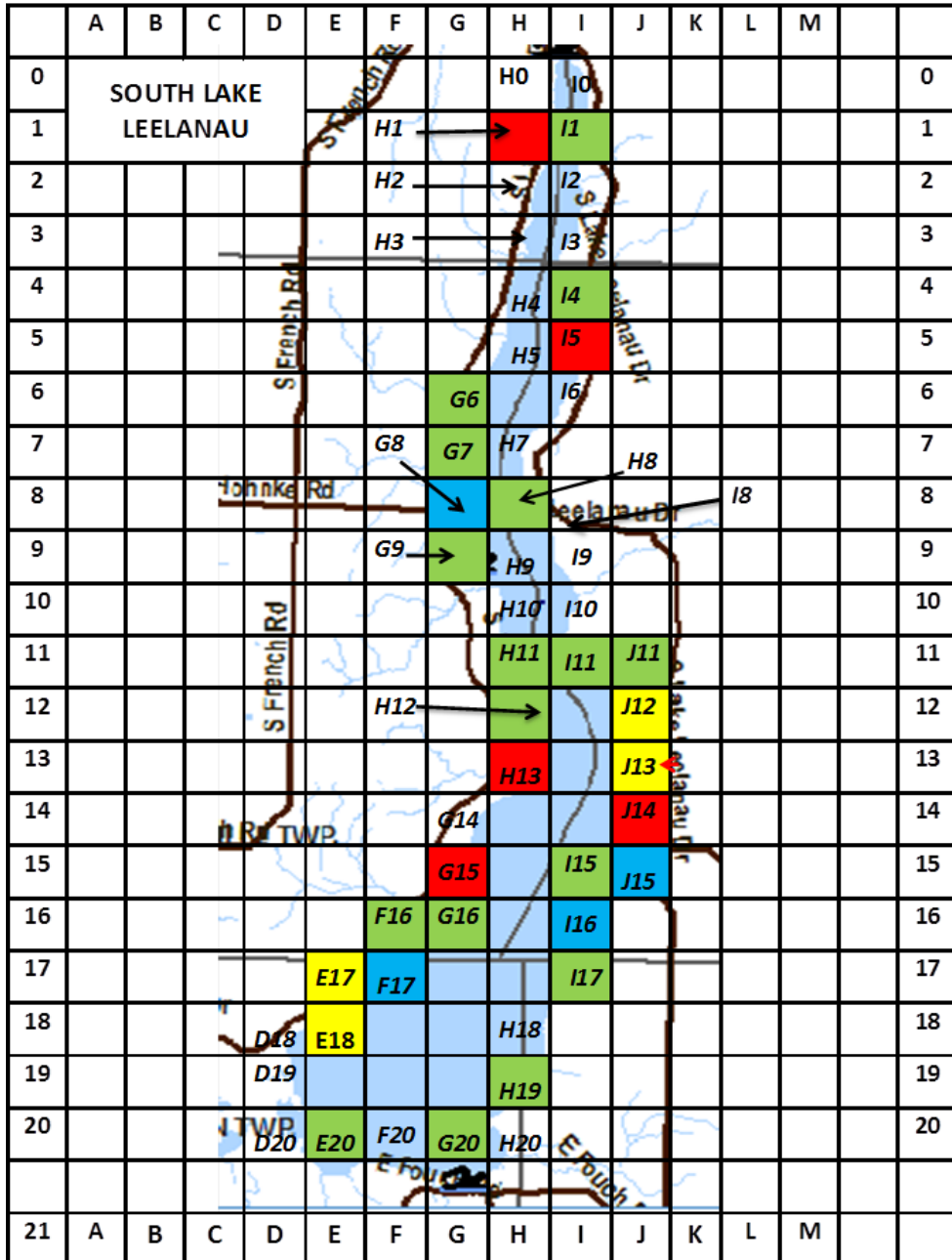
# South Lake Leelanau Swimmers' Itch Reports Through 9-5-19

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Lake	# Reports	# Cases	Worst severity from each report		
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## South Lake Familiar Locations

L. Leelanau RV Pk (G6); Centerville Twp Pk-Honke Rd (G8); DNR Boat Ramp (G9); Kelenski Pt (H13); Leelanau Pines CG (G16); Solon Twp Pk (F17); Perrins Landing (G20); Bingham Twp Park (J14); Merbert Crk. Mouth (I10); Fountain Pt. (I1); DNR Boat Ramp S of Hwy 204 (I0)



**2019 North Lake Leelanau Swimmers' Itch Report Through 9-5-19**

Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
B15	07/03/2019	9	6	Severe	
C13	7/21/2019	1	1	Mild	Saw a large group of merganser chicks following a mother merganser. Got a clear look at her tufted head. Got swimmers itch a week or so ago, but didn't see any mergansers. Today I saw them. I believe their nest is in the brush on the shoreline just south of Oxford Drive. Quadrant C13. Sent email with photos to both Wayne Swallow at leelanaubound@gmail.com and QPsurveys@lakeleelanau.org.
C14	07/05/2019	1	1	Moderate	We live in Robinson's Bay. Was along lakeshore checking out something in our wetlands where we have a large number of ducks living in families.
C16	08/18/2019	3	1	Moderate	Location right at the corner of C16 and B15. Kids playing in the shallow water, only one got it. Covered legs, feet and elbows. No itch, only rash.
E16	07/07/2019	4	4	Severe	We are down Manetoway Drive. Swimming in deep water off dock about 11 am.
F9	07/28/2019	5	4	Moderate	we are 1/4mile north of Nedow's bY WHICH was the quadrant i had to select. girls were floating 10 feet off our dock for a bout 25 minutes and after they got out the itching started. i have not seen any merganser ducks only mallards, we are on N. Shorewood Lane. The girls have lots of bites or welts on them the day after. temp was 80 plus, calm waters not much wind. wind coming from the south east but very little wind. Kids were in swimming and tubing the day before and no sign of the itch. we need some solutions or I am going to start to use copper sulfate when they come. they are here such a same amount of time and we want to use our lake and not be miserable with the itch. they were miserable yesterday.
F11	06/28/2019	3	1	Moderate	
F11	07/19/2019	8	2	Mild	
F16	07/18/2019	6	6	Mild	Very mild cases and felt fine after a few hours
F16	07/14/2019	3	2	Severe	We were at the sandbar just past Schneider's. I hope I got the coordinates correct.
G16	07/05/2019	2	1	Moderate	I did not have sun screen or other skin lotion on my skin at the time .
G6	07/01/2019	more than 10	5	Moderate	
G6	07/26/2019	2	2	Moderate	15 houses south of Cemetery Point. Ducks are seen in the lake off our dock. Reaction occurs within an hour of swim.
H2	07/01/2019	1	1	Mild	
H5	7/21/2019	3	1	Mild	Mild case. Less severe than previous years.
H16	07/04/2019	8	3	Mild	
H16	07/05/2019	5	5	Mild	
H16	07/04/2019	5	1	Mild	
H16	8/17/2019	12	3	Mild	On the sand bar. Tons of boats. We got a few bites. Not as bad as in the past but still annoying.
H17	07/05/2019	5	2	Severe	The girl that got the most severe case was swimming I. The morning from the east side by Sunset Shores to Schneider's Beach. The other girl was swimming on the east side and got about 10 bites.
H17	07/10/2019	1	1	Moderate	
I8	08/03/2019	3	3	Mild	Swimmers were near the dock and there was a light onshore breeze. Time was 5 to 5:30 pm.

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Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
I9	07/18/2019	7	3	Mild	
I18	07/28/2019	8	6	Moderate	Popp Rd
I18	07/29/2019	2	2	Mild	Popp rd
J17	06/30/2019	6	5	Moderate	
J17	07/02/2019	6	5	Mild	
J17	07/03/2019	2	2	Severe	
J17	7/27/2019	4	2	Moderate	On the east side of N Lake Leelanau
J7	06/30/2019	6	6	Mild	Usually we see ducks but not a one that day, just some seagulls. We've been back twice and no one got it those times, thank you

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Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
E17	06/29/2019	1	1	Moderate	
E17	07/04/2019	4	4	Moderate	several cases but haven't seen mergansers since early May
E17	07/09/2019	2	2	Severe	Severe case on 9 year old and moderate on 7 year old. They spent a lot of time playing in the water catching minnows and having fun. I wish I could attach a picture. I will try to send via Messenger. Duck feeding nearby isn't helpful!
E18	07/02/2019	1	1	Moderate	
E18	07/04/2019	8	6	Moderate	
E18	08/08/2019	1	1	Mild	Sandbar Dr Swimming at 5 pm
F16	07/04/2019	More than 10	2	Mild	
F17		6	5	Moderate	
F17	07/03/2019	5	2	Mild	
G15	06/23/2019	2	2	Moderate	
G15	06/23/2019	3	2	Moderate	
G15	07/06/2019	6	4	Moderate	
G15	07/01/2019	1	1	Moderate	Was only waste in above knees about 70 feet from the shoreline. Silt was kicking up as I was working around hoists for jet skis
G16	06/29/2019	6	2	Moderate	
G16	07/04/2019	4	4	Severe	Every year my grandkids get swimmers itch. No matter what we do to try and avoid getting it. We gave them shower right away after getting out. We use everything we have been told to use to avoid getting it. It's really sad that we can't enjoy swimming in
G20	06/29/2019	4	3	Moderate	
G6	07/05/2019	4	3	Moderate	
G7	07/01/2019	4	2	Moderate	
G8	07/01/2019	2	2	Severe	
G8	07/05/2019	4	2	Moderate	
G9	06/28/2019	3	2	Moderate	Seemed to be heavy on west side of south Lake Leelanau
G16	07/14/2019	1	1	Severe	Our young daughter played in shallows late morning 7/14. Location is 2 homes south of Leelanau Pines Campground. A few spots on her arms and stomach. Severe case on her legs below knees, over 100 spots
H1	07/04/2019	12	6	Moderate	
H1	06/25/2019	8	5	Moderate	

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Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
H1		8	6	Moderate	
H1	07/02/2019	12	6	Moderate	
H12	07/04/2019	5	1	Mild	
H13	07/04/2019	4	1	Mild	
H13	07/05/2019	4	2	Mild	
H13	07/05/2019	5	2	Mild	
H13	06/30/2019	3	2	Mild	While only 1 person in our party got the itch ...several just a few houses north got it much worse (over 35 spots just on legs alone)!
H19	07/05/2019	4	4	Moderate	
H8	06/28/2019	1	1	Mild	
I1	07/02/2019	4	3	Moderate	Moderate to severe case required doctor's visit plus medication to resolve.
I4	07/05/2019	10	7	Moderate	
I5	06/27/2019	5	5	Moderate	
I5	07/01/2019	3	3	Moderate	
I5	07/04/2019	5	2	Moderate	
I5	08/03/2019	5	4	Moderate	Kids playing in shallow got it most- obviously. Was down Sandy Ridge road.
I5	08/24/2019	2	2	Moderate	Boys at end of Sandy Ridge road. Were in shallow catching crayfish!
I11	07/05/2019	4	4	Mild	have been getting it for the past month
I15	07/06/2019	9	4	Moderate	
I16	07/04/2019	10	3	Mild	
I16	08/17/2019	4	4	Mild	We live on Shugart Shores, I sent Brian a picture of a brood of 12 Mergansers that swim by frequently. I use swimmers itch guard all over my grandchildren and they still got it.
I17	06/25/2019	4		Moderate	
J11	06/29/2019	9	5	Moderate	We were staying at West Wind. The rashes were fairly severe in 3 of the 5.
J12	08/04/2019	2	2	Moderate	We stayed at the West Winds resort and 2 little girls were playing in the shallow part of the beach in the morning. There were lots of ducks in that area.
J12	08/04/2019	2	2	Moderate	We were staying at West Winds Resort and two kids were swimming in shallow water in the early morning. There were also a family of ducks swimming in the area
J12	08/04/2019	2	2	Moderate	We stayed at the West Winds resort and 2 little girls were playing in the shallow part of the beach in the morning. There were lots of ducks in that area.

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J13	07/03/2019	5	4	Severe	There are alot of Mallard ducks and geese around our cottage.
J13	08/03/2019	6	1	Moderate	
J13	08/03/2019	6	1	Moderate	Just north of Bingham township park on South Park road. I was the first in cleaning out the boats in shallow water. Noticed the itchy sensation within the hour. We have a lot of mallard ducks hanging out near and on our dock. Pesky buggers. Everyone else entered the lake using the ladder at the end of the dock. No one else got it.
J14	06/28/2019	4	4	Moderate	
J14	07/04/2019	6	6	Moderate	
J14	06/28/2019	2	2	Moderate	
J14	07/04/2019	3	3	Moderate	
J14	07/01/2019	1	1	Moderate	
J14	07/09/2019	3	1	Moderate	