

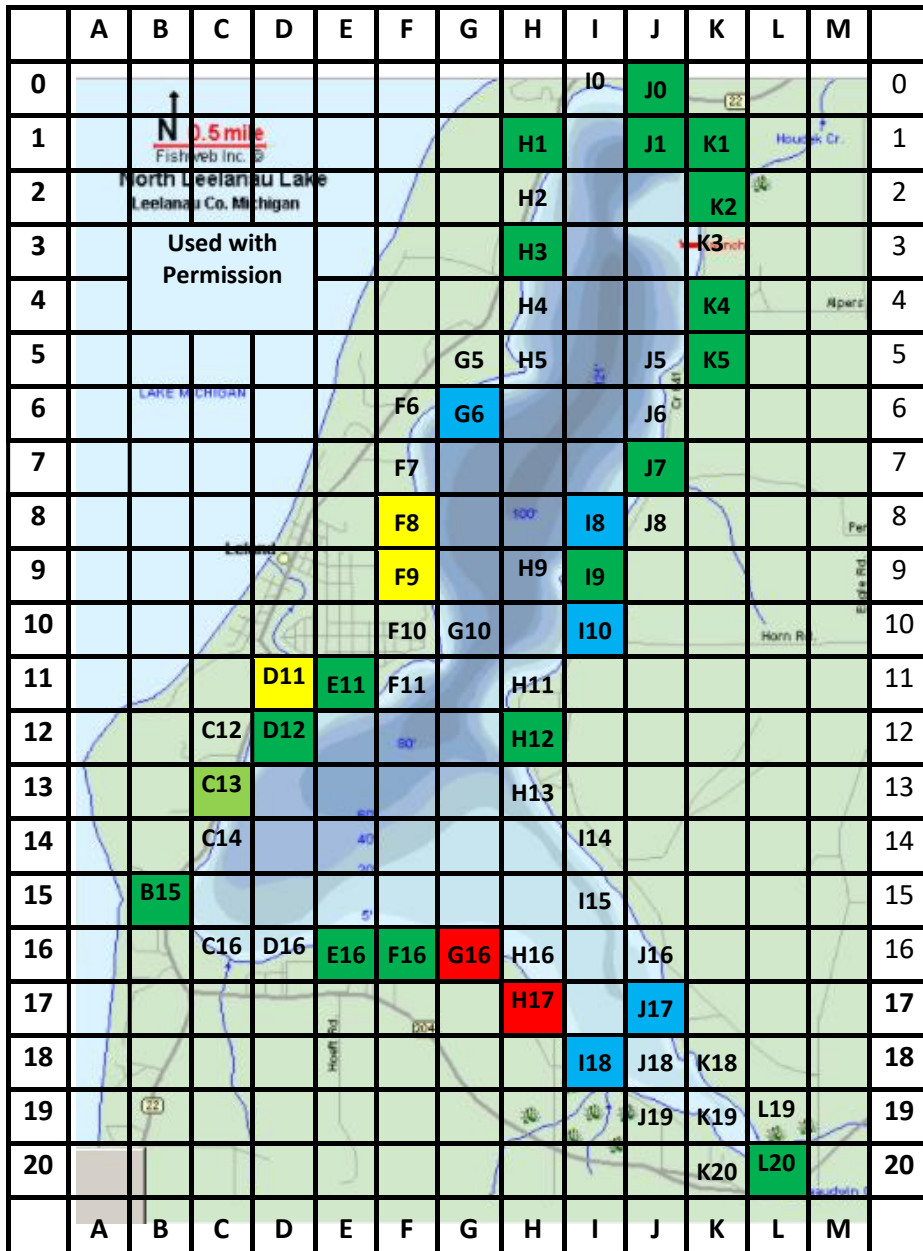
North Lake Leelanau Swimmers' Itch Reports Through 8-14-22

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	46	130	7	27	12
South Lake	10	11	5	4	1

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).



North Lake Leelanau Swimmer's' Itch Reports and Comments through 8-14-22

Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
B15	08/05/2022	15	5	Mild	Sandbar by the road to Leland.
C13	6/13/2022	2	2	Moderate	End of dock 5 feet water
D11	6/14/2022	4	1	Moderate	D11,d12,E11 area by N. Manitou Rd near Leland there was a big dead fish floating by the shore. We were on a boat.
D11	6/25/2022	5	4	Severe	We were located close to shore and 20 ft from a residential dock. Immediate burning and severe reaction for 3 children 8-13yrs old and one adult.
D11	07/15/2022	4	4	Severe	We were canoeing and got out to wade along the shallow waters of the river mouth. Everyone in our group (ages 4, 6, 10, 41) had immediate tingling and rapid itching and burning after a few minutes. Very severe cases.
D12	06/30/2022	4	2	Moderate	Across from Oxford Dr
E11	6/29/2022	3	1	Moderate	We are near to the 4th street easement. Water was 3 feet or less. Our daughter did a lot of disturbing the bottom - handstands, dug in the sand under water, etc
E16	8/6/2022	2	2	Mild	Swimming and wading near end of dock, mild symptoms next day, more so later. This is the first year we have had Common Mergansers visit by our dock and on our lawn.
F8	7/3/2022	8	4	Moderate	A little north of Neadows Bay.
F8	07/06/2022	1	1	Moderate	Was working on my seawall in shallow water and made the error of moving a boulder off the bottom without wetsuit/etc protection. extensive spotting below knees and elbows
F8	07/11/2022	1	1	Moderate	Just north of endows bay beach. Spots but so far, no itching,
F9	6/13/2022	15	8	Mild	5th, 6th, 7th, 8th and 9th graders swimming in Nedoos Bay. Most were swimming next to the dock and got it next to the dock.

F9	7/3/2022	1	1	Moderate	Your questions don't allow for accurate answers. There were more than 15 people swimming that day but 15 was max I could choose. I was swimming between Nedow's beach and Grogan's raft. After email exchange the respondent had only "1" in her party, while many were swimming around her. THANKS FOR THE COMMENT. THE REPORT HAS BEEN CHANGED TO ACCOMMODATE MORE THAN 15 INDIVIDUALS.
F9	07/11/2022	1	1	Moderate	Simply walked in for less than 5 minutes to get a sailboat off a lift
F16	07/01/2022	6	6	Severe	Swimmers got the itch at the end of the dock.
G6	07/23/2022	2	1	Mild	In front of our house, N manitou trail. He was very close to shore working on boat stuff.
G6	8/5/2022	3	2	Moderate	We think the prevailing breeze was not in our favor. We tried to not get too close to shore.
G16	6/12/2022	7	5	Moderate	We live off Mary Jane lane close to the sand bar.
G16	6/21/2022	10	1	Moderate	We were anchored at a sand bar near f16 on the map. I was in the waist high water for a few hours. I have about 20 spots on my legs and feet and a Handful of spots on my arms and back
G16	07/19/2022	6	5	Moderate	Mary Jane lane
G16	8/2/2022	1	1	Mild	It was located in a cove area in four feet of water. The ducks love the area. They run away when humans are near by.
H1	07/11/2022	3	3	Severe	We were visiting the lake for the first time. My 11 year old wanted to fish so I saw fishing as one of the features of clay cliffs. We parked at the lot and walked directly across the street to fish. We stood in two feet of water for 20 minutes before the itching started. My son has over 200 spots, I have Over 100 and my second son has less than 100. We will only swim in Lake Michigan from now on. What a way to ruin a vacation for a child. There should be warnings posted by the water. Of course that wouldn't help tourism would it?
H3	6/25/2022	2	1	Moderate	H3 quadrant, very itchy immediately even after scrubbing
H12	7/4/2022	6	6	Moderate	
H17	7/4/2022	6	5	Moderate	At Schneider's beach

H17	7/4/2022	3	2	Severe	Schneider Beach. The two that got it were in for a long time and walked out using the bank, not the ladder at the end of the dock
H17	7/4/2022	4	4	Moderate	Schneider beach. Swam in the late afternoon. Offshore wind.
H17	07/16/2022	4	4	Moderate	Schneider Beach
I8	7/6/2022	3	3	Moderate	
I8	7/5/2022	5	1	Moderate	
I9	7/3/2022	6	4	Severe	Sand bottom, waist deep off dock
I9	07/24/2022	4	2	Moderate	Potters landing to Wardens point
I10	7/7/2022	2	2	Mild	Swimming just off of the shore from a dock and a raft further in the bay. Swam in the late afternoon around 6:30 p.m.
I10	07/04/2022	1	1	Moderate	
I18	6/26/2022	2	2	Moderate	East Ryans Way private home lake front, east of Schneiders Beach. Mild southern winds, relatively calm water in the early morning. No sunblock used as it was early and the kids did not shower off after swimming, itching started within an hour but the classic "bumps" did not show until the next day.
I18	07/17/2022	2	2	Moderate	The respondents used Blue Lizard SPF 50 got few if any bumps/itching. From past personal experience taking Zyrtec (generic available) and applying over the counter topical steroid cream has helped decrease the itching. We might even have the kids take the appropriate dose of Zyrtec ahead of swimming to see if that works to prevent the initial breakout of the issue (in addition to applying sunblock everywhere possible)
J0	07/13/2022	4	4	Severe	
J1	6/25/2022	6	6	Severe	By m22. Several other boaters and kids our there
J7	07/15/2022	5	2	Severe	Morning time in the shallows
J17	7/3/2022	3	2	Severe	Floating on a tube and walking close to shore
J17	7/8/2022	7	4	Moderate	Kids were out by the drop off
K1	6/16/2022	1	1	Severe	I was cleaning the shoreline and have about 300 spots on my ankles and feet.
K2	6/15/2022	2	2	Mild	I think is was K2. It was at the launch on the east side at the north end of LL
K4	07/23/2022	8	7	Moderate	Personal dock off the north side of the rock wall. Kids were swimming for about 2 1/2 hours-should have reapplies our sunscreen/swimmers itch cream! Jumping off the dock and swimming in about 3-4 feet of water
K5	7/11/2022	1	1	Moderate	Just north of wardens point on the east side

L20	07/19/2022	1	1	Severe	Swimming long distance in 5 foot deep water. Knew I was done for while still in water. 8:30 am.
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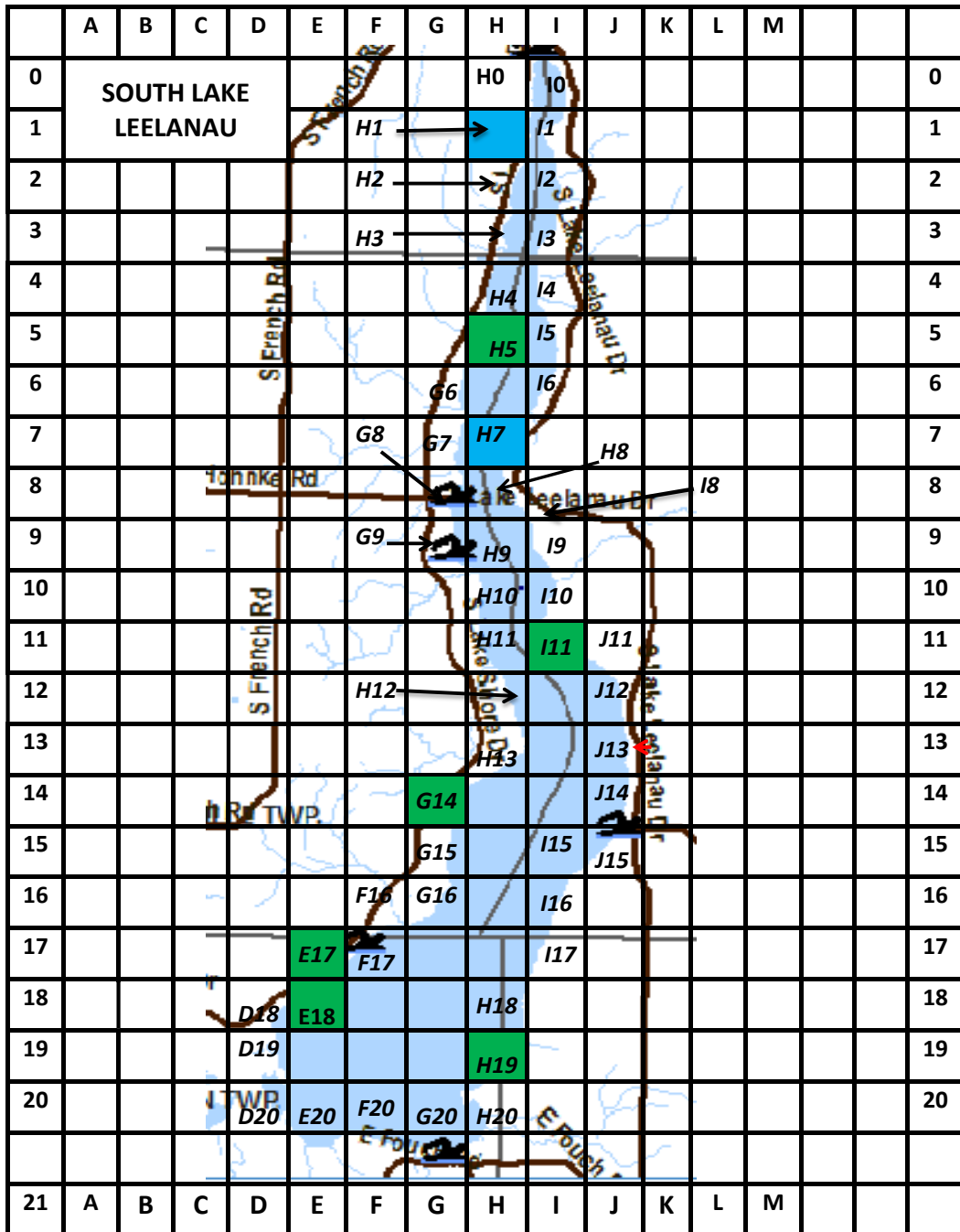
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South Lake Familiar Locations

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)



South Lake Leelanau Swimmers' Itch Reports & Comments through 8-14-22					
Quadrant	Date	# Swimming	# w/ Itch	Severity	Comments
E17	7/2/2022	3	3	Moderate	Kids were playing in the shallows. Neighbor continues to feed ducks twice a day and every year the kids get swimmers itch.
E18	7/3/2022	7	4	Mild	We are located just south of Rosinski Road.
G14	06/17/2022	6	6	Moderate	We are in glazier beach and this is the second year we have gotten it
H1	07/08/2022	7	1	Moderate	We live across from Fountain Point. 4 adults and 6 kids swam all week long and only ONE kiddo got swimmers itch. Only shins down on BOTH legs. I have a feeling he got it somewhere else. We went frog hunting several times at the pond at Herman Park. He may have stepped in the water and that would make sense why the bumps only showed up where they did.
H1	6/24/2022	2	2	Mild	My niece and I swam across the lake from fountain point with kayakers. We weren't in shallow water for very long but we were in the water for about 45-50 minutes. We both had mild cases on our torsos, legs and arms.
H5	07/09/2022	3	3	Severe	
H7	07/04/2022	1	1	Mild	S Grants Landing
H7	07/31/2022	1	1	Mild	3824 S Grants Landing

H19	6/26/2022	3	2	mild	S. Lakeview rd near e. Lakeview hills Nothing of note. We get it every year, just thought I'd report since it's earlier than normal this year.
I11	07/23/2022	2	2	Moderate	We are on S Park , just north of Bingham Township Park. There are a lot of ducks and we were in the water in the mor nig near shore.