

Phragmites: We started to treat phragmites because of serious infestations on our lake of the invasive plant Phragmites Australis. Because the observant eye of many volunteers we have found 37 sites with Phragmites. We enter 2023 with 4 sites needing a lot of attention, 26 sites under reasonable control and the remaining 7 eradicated. The difficulty is that they are like dandelions; they come back every year, so we need to check each site.

The following people are familiar with Phragmites and how to control it. Mike West (ULLE), Ron Cousineau (ULLE), Eric Gleisner (ULLE), Dennis Park (Shores), Steve George (Woods), Vince Alessi (Woods) and Mark Hagmann (Heron Bay). If you find a new phragmites outbreak call me to report. I hope that there will not be any new sites, but we found one new big one in 2024. My phone number is 248-335-8353

Harvesting Contractor: Oakland Harvesting, LLC will return as our harvesting contractor. They will work from about 7 a.m. up to 7 or 8 p.m. just like they did last year. They will be required to harvest wherever there are nuisance weeds. Contact me if you have any issues regarding harvesting. They have ordered new harvesting equipment and should be more efficient this year. The proposed schedule is attached, but weather always causes changes.

Sheriff on the Lake: Bloomfield Township had signed a contract with the Oakland County Sheriff's Marine Patrol for this year. The cost was paid by the Shores subdivision for 2019 through 2023. In 2023 the sheriff had few trips. Most of the attendees agreed that we need many more hours for the sheriff to be on the lake. Please read the attached Safety Rules for our lake, which summarize many but not all State marine laws. Read the State rules on our web site at www.upperlonglake.com. Pay close attention to the life jacket rules (all people in boats under 16 feet, canoes, kayaks, jet ski and paddle boards must have a life jacket. A life jacket in boats above 16 feet must be accessible to all persons on the boat. We plan to have the sheriff on the lake in 2024. We need a lot more contributions from other subdivisions or individuals. Contact Dennis Parks at 248-672 6006 for contributions.

Geese: We had many goose nests visited and 92 eggs were destroyed. There was no goose roundup due to a disease that geese have. The State does not want to spread the disease. There will not be a goose round up this year.

Web site: The website is being updated. See the attachment for more information. The site is www.upperlonglake.com

Water Level: The lake level is on target now. The target for June is 34" through Labor Day

Budget: Our budget is attached. The cost to residents will be the same for 2021 through 2024 at \$638.06 for lake residents.

Chemical: To chemically treat your shoreline contact Aqua Weed (248-634-8388). They have a shore line permit for you. See their treatment notice

Wake Surfing: We have copies of DNR recommendations to create a DNR regulation that wake surfing boats must stay 500 feet from shorelines and operate in water at least 15 feet deep. However, this is not going very fast at the state level to become a law. If this becomes law, we would not be allowed to wake surf on our lake. However, this year the DNR and the Township have not decided to control wake surfing on our lake, so we will continue to have wake surfing on our lake. The DNR gave us a sign to stay 200 feet from the shore and docks. It is OK to go around the ski course. See attached. This is not the law but a recommendation so the sheriff cannot enforce 200 Feet. Many lakefront owners have complained about the increase of algae on our lake lately and the damage to the shorelines, seawalls, docks and boats from wake surfing. See the survey that we did, which is attached.

EXHIBIT B: UPPER LONG LAKE WEED HARVESTING IN 2024

ACQUATIC WEED HARVESTING WILL OCCUR THREE TIMES THIS YEAR

THE DATES ARE TO BE APPROXIMATELY:

FIRST HARVEST	JUNE 10 THROUGH JUNE 14
SECOND HARVEST	JULY 22 THROUGH JULY 26^s
THIRD HARVEST	SEPTEMBER 9 THROUGH SEPTEMBER 13

The above are the scheduled dates but may be subject to variation depending on weather or other factors.

Prior to each harvest please:

Have a marker or markers **at the deep water end** of any sprinkler intake pipes, hoses or filters.

It is also important to **mark the boundaries** of any artificially created sand bottom areas which might be damaged by mechanical harvesting equipment or the currents caused by their use.

Remove any tree limbs or other debris that may have fallen in the lake from your property that may obstruct access to the shallow water areas to be harvested.

The contractor is not obligated to harvest any closer than five feet from any raft, dock, docked boat, platform, overhanging vegetation or other obstruction.

If you have concerns about the harvest please contact the resident representative nearest you with your concerns. It is very important that you contact this person while the harvesters are working on the lake or they may not be able to take corrective action until the next scheduled harvest.

ESTATES:	Ron Cousineau	1875 Long Pointe Drive	248-335-8353
WOODS:	Steve George	2725 Middlebelt	248-334-4522
SHORES:	Dennis Park	1954 Long Lake Shores	248-672-6006
TURTLE LAKE:	John Samani	Turtle Lake Drive	248-373-7600
HERON BAY:	Mark Hagmann	1735 Heron Ridge Drive	248-737-2257
RIDGE:	Tim Gammons	2975 Long Ridge Court	248-515-0012
WABEEK:	Todd Glance	3515 Ridgeview Court	248-205-0803

In the event you believe any damage has been done to your property by the harvesting operation, please report this as soon as discovered to our contractor, **Oakland Harvesting** by calling them at **(248) 886-4465**.

Our agreement with them provides they will have **a reasonable time** to make any necessary repairs. The contractor **may not be liable for repairs** not reported to them in a timely manner.

Thank you for your cooperation in our lake management efforts.

****This notice is required for each Lake/Pond resident, to be distributed between 7 - 45 days prior to first treatment (per EGLE rules)****

TREATMENT NOTICE

RESIDENTS IN THIS AREA ARE PLANNING TO HAVE THE WATERS IN THIS AREA TREATED WITH HERBICIDES AND ALGAECIDES FOR CONTROL OF AQUATIC WEEDS AND/OR ALGAE.

This notice is being circulated as required by the Environment, Great Lakes & Energy (EGLE) rules. A permit for the treatment has either been secured or will be secured from EGLE before the work is begun. In some cases, a permit is not required.

You are receiving this notice if you are in the proposed treatment area, or if you are within 100 feet of the proposed treatment area. In some cases, we also provide this notice to persons in adjacent subdivisions as an informational courtesy to advise persons who may have beach rights but are not lakefront residents.

We usually work with groups of homeowners or their elected representatives through homeowners' associations, or with the owners of apartment or condominium units. Please try to contact any of these in your situation if you have any questions about the proposed treatment plan.

Aqua-Weed Control, Inc. typically performs two types of treatments: algae control and weed control.

Algae Control - If we are doing only an algae control treatment using only copper-based products then no water use restrictions apply. We will post the shoreline with yellow signs informing you of this work as required by EGLE.

- Lakes – Typically lake shorelines are treated twice during the summer.
- Ponds - Expect several algae control treatments during the summer beginning in late April thru September.

Weed Control / Water Dye - If we are treating for weeds, or using blue dye, or using some non-copper algae control products then there are restrictions on the use of the water, and we will post the shoreline with yellow signs before these products are applied to the water body as required by EGLE.

We treat each water body according to a schedule or seasonal plan worked out between the persons in charge and an aquatic manager. A typical plan will include multiple treatments from May thru August and possibly September. However, due to the differences in season plans and the uncertainty of weather, please watch your shoreline for the posting of the yellow signs throughout the summer.

Typical lake weed control treatment patterns:

- If your lake is to be treated with Fluridone then you can expect treatment in late April or early May and then again in mid May.
- If your lake is to be treated for weeds using other herbicides, then you can expect two treatments a summer. The first being in late May or early to mid June. The second application typically is done in mid too late July or early August depending on weed growth patterns. In a few cases a third touch-up weed application may be required.
- Ponds are typically treated for weeds twice each summer.

IN MOST CASES YOUR WATER BODY WILL BE TREATED MORE THAN ONCE EACH SEASON; CHECK THIS WITH YOUR ASSOCIATION.

The posted signs will indicate the date of the treatment, the product name, the active ingredient, and any restrictions as to the use of the water for swimming, watering lawns and the consumption of fish taken from these waters. We use NEW SIGNS for each treatment.

When more than one product is used, the restrictions longest limits will be posted. **IF YOU HAVE ANY QUESTIONS PLEASE CONTACT YOUR HOMEOWNERS ASSOCIATION OR NEIGHBORS WHO ARE IN CHARGE OF THE TREATMENT OR YOUR APARTMENT OR CONDOMINIUM MANAGER.** If they cannot answer your questions, we can be reached at the number on the other side of this notice.

Only products which have been registered for use in the aquatic environment by the Michigan Department of Agriculture and the US Environmental Protection Agency are used.

We anticipate using one or more of the products listed. Please be aware of the restrictions on each product. If EGLE changes any restrictions, they will be noted on the signs we post.



(OVER)

Upper Long Lake Management Committee 2020 and 2021 Actual Expenses and 2021, 2022, 2023 and 2024 Proposed Budget.

Plan	3	2020 Actual		2021		2022		2023		2024	
		Actual	Budget	Actual	Budget	Budget	Budget	Budget	Budget		
Weed Harvest Cuttings		68100.00	84000.00	84000	84000.00	84000.00	84000.00	86520.00	86520.00	89115.00	
Selective Chemical Treatments.		10000.00	28000.00	12000	28000.00	28000.00	28000.00	28000.00	28000.00	28000.00	
Annual Chemical Treatment Permit		4900.00	800.00	0	800.00	800.00	800.00	800.00	800.00	800.00	
Treat at least 20 sites for phragmites		800.00	800.00	816	800.00	800.00	800.00	800.00	800.00	900.00	
Goose Roundup		1564.26	3250.00	3704	3250.00	1250.00	1250.00	3250.00	3250.00	13500.00	
Citizens Lake Monitoring Program		1170.00	1000.00	1100	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	
E-Coli Study		0.00	800.00	460	800.00	800.00	800.00	800.00	800.00	800.00	
Lake analysis consultant		606.68	300.00	0	300.00	300.00	300.00	300.00	300.00	300.00	
Join MLSA		6000.00	6000.00	6000	6000.00	6000.00	6000.00	6000.00	6000.00	7500.00	
Join Friends of the Rouge		250.00	250.00	250	250.00	250.00	250.00	250.00	250.00	250.00	
Riparian magazine		0.00	1000.00	100	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	
Pay ULLE Lot 64 assessment		100.00	100.00	0	100.00	100.00	100.00	100.00	100.00	500.00	
Launch fees for Mallard Court		500.00	500.00	490	500.00	500.00	500.00	500.00	500.00	500.00	
Mailing, legal and administrative		556.01	662.00	0	662.00	587.00	587.00	587.00	587.00	638.00	
Legal fees		2200.00	2200.00	2400	2200.00	2200.00	2200.00	2200.00	2200.00	2200.00	
Web site		283.25	700.00	420	700.00	700.00	700.00	700.00	700.00	700.00	
Sheriff Patrol		1161.00	1000.00	783	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	
Storm water decontamination design		0.00	150.00	0	150.00	150.00	150.00	150.00	150.00	0.00	
Build storm water drains			1500.00	0	1500.00	0.00	0.00	0.00	0.00	0.00	
Maintain storm water drains			15000.00	0	15000.00					0.00	
Subtotal		98191.20	150512.00	112523	150512.00	131937.00	131937.00	136457.00	136457.00	148703.00	
Manage SAD contingency fund		0.00	-9629.00		-9629.00	-9629.00	-9629.00	-9629.00	-9629.00	0.00	
TOTAL		98191.20	140883.00	112523	140883.00	122308.00	122308.00	126828.00	126828.00	148703.00	
Four year average set by township			638.06		638.06	638.06	638.06	638.06	638.06	638.06	
Remaining Contingency Fund		94112.00	84483.00		84483.00	74854.00	74854.00	65225.00	65225.00	???	
The calculation of assessments is based on 202.75 benefits. 166 riparian lots are assessed one benefit. 143 access lots are assessed one-quarter benefit. Three access lots are assessed at 1/3 of a benefit equaling one benefit. Access lot fees 25% of the riparian fee.											

Upper Long Lake Management Committee Proposed 2021, 2022, 2013 and 2024 Plan							
Management Method	Rational	2021, 2022, 2023 and 2024 Detailed Plan					
Weed Harvesting.	Lake weeds grow to surface in about 5 to 6 weeks. ULLE canal grows faster due to low water. Average about 800 tons total for three lake harvests and canal harvests.	Three lake, Woods and Estates canal harvests. Harvesting in early June, July and lateSeptember. Shores need 3 harvests. The Woods and Estates get an extra harvest. Oakland Harvesters.					
Selective Chemical Treatments	Canals may need periodic treatments (not annually)	Treat when canal captain requests.					
Chemical treatment permit	Phragmites need permit every year.	Pay the annual fee.					
Treat phragmites	Phragmites come back every year sometimes in different places. We are treating about 20 places.	Treat the Shores island every year with chemicals. Treat all around the lake without chemicals annually. 2023 was \$ 513,048					
Goose nest control and roundup	Geese sometimes reach problem proportions. If swans become a problem we shall seek control.	Continue annual goose egg removal and roundup. 92 eggs removed in 2023 and 0 geese rounded up.					
Citizens Lake Monitoring Program	We volunteer with CLIMP to do lake testing to save money from consultants.	Do secchi disc, chemical analysis and lake weed analysis. 2020 was not done due to virus. We will do like 2023 and before.					
E-Coli testing	Our swimming beaches become contaminated during and after rain storms.	Test 3 swimming beaches to determine swimming safety. We need volunteers.					
Lake analysis consultant	Consultants have special equipment to test our lake water. They also do a thorough weed analysis.	Consultant to do water quality testing, plant map, conduct a meeting with Lake Board and Lake Management Committee. RLS					
Join ML&SA. Michigan Lakes & Streams Association	Keep up to date with lake issues.	Have 2 volunteers to attend annual meeting. Pay annual dues.					
Join Friends of the Rouge	They do fish studies on our lake.	Pay dues and volunteer during fish surveys. They did special studies for the past few years.					
Riparian Magazine	Keep up to date with important lake issues.	Get subscription for all members of management committee.					
Pay ULLE SAD fee for lot 64	Harvesters use lot 64	Pay SAD fee annually to ULLE for use of lot 64.					
Launch fees for Mallard Court	Harvesters are launched and taken out at Mallard Court	Pay \$100 for every harvester launched and retrieved at Mallard Court.					
Mailing and administration.	Township holds meetings, does mailings and other administration activities for our SAD	SAD to pay for mailing, newspaper announcements and administrative expenses. Do one additional mailing yearly.					
Legal fees	We have a lawyer on the Lake Board	Pay legal fees.					
Website	Provide website for our lake.	Upgrade to a professional website. Volunteer maintains..					
Sheriff patrol	To enforce state laws of safety.	To be paid by subdivision contributions, not our SAD					
Storm water decontamination design	Design a filtered drain device for Middlebelt and ULLE"B" beach drains to reduce e-coli contamination..	Pay a design consultant. May be done in 2025.					
Build storm water drains	Build two storm drain filters based on the design.	Pay contractor. Project not done.					
Maintain storm water drains	Maintain annually to reduce contamination	Pay maintenance company. Project not done.					
Weir issues	Weir now operated by the township	Any water level issues need to go to the township					
ULLE Harvesting Ramp Maintenance	SAD to pay 75% repair cost, ULLE pays 25%	Repair as required					

Upper Long Lake Management Committee 2020 and 2021 Actual Expenses and 2021, 2022, 2023 and 2024 Proposed Budget.

Plan	2020 Actual	2021		2022		2023		2024	
		Actual	Budget	Budget	Budget	Budget	Budget	Budget	
Weed Harvest Cuttings	68100.00	84000	84000.00	84000.00	86520.00	89115.00			
3 Lake, Estates and Woods canals. Oakland Harvesters	10000.00	12000	28000.00	28000.00	28000.00	28000.00			
3 Shores @ \$6,000 and Estates and Woods @ \$5000 each	4900.00	0	800.00	800.00	800.00	800.00			
Chemical treatment in canal for weeds / algae.	800.00	816	800.00	800.00	800.00	800.00			
Annual Chemical Treatment Permit	1564.26	3704	3250.00	1250.00	3250.00	13500.00			
Treat at least 20 sites for phragmites	1170.00	1100	1000.00	1000.00	1000.00	1000.00			
Goose Roundup	0.00	460	800.00	800.00	800.00	800.00			
Citizens Lake Monitoring Program	606.68	0	300.00	300.00	300.00	300.00			
E-Coli Study	6000.00	6000	6000.00	6000.00	6000.00	7500.00			
Lake analysis consultant	250.00	250	250.00	250.00	250.00	250.00			
Join MLSA	0.00	100	1000.00	1000.00	1000.00	1000.00			
Join Friends of the Rouge	100.00	0	100.00	100.00	100.00	500.00			
Riparian magazine	500.00	490	500.00	500.00	500.00	500.00			
Pay ULLE Lot 64 assessment	556.01	0	662.00	587.00	587.00	638.00			
Launch fees for Mallard Court	2200.00	2400	2200.00	2200.00	2200.00	2200.00			
Mailing, legal and administrative	283.25	420	700.00	700.00	700.00	700.00			
Legal fees	1161.00	783	1000.00	1000.00	1000.00	1000.00			
Web site	0.00	0	150.00	150.00	150.00	0.00			
Sheriff Patrol						0.00			
Storm water decontamination design			1500.00	0.00	0.00	0.00			
Build storm water drains		0	15000.00			0.00			
Maintain storm water drains		0	2500.00	2500.00	2500.00	2500.00			
Subtotal	98191.20	112523	150512.00	131937.00	136457.00	148703.00			
Manage SAD contingency fund	0.00		-9629.00	-9629.00	-9629.00	0.00			
TOTAL	98191.20	112523	140883.00	122308.00	126828.00	148703.00			
Four year average set by township			638.06	638.06	638.06	638.06			
Remaining Contingency Fund	94112.00		84483.00	74854.00	65225.00	65225.00			
The calculation of assessments is based on 202.75 benefits. 166 riparian lots are assessed one benefit. 143 access lots are assessed one-quarter benefit. Three access lots are assessed at 1/3 of a benefit equaling one benefit. Access lot fees 25% of the riparian fee.									

Water Safety on Upper Long Lake

To promote safe and responsible boating on Upper Long Lake, the Safety Committee of Upper Long Lake has summarized key elements of the law and guidelines from the Department of Natural Resources & Environment's booklet, "**Handbook of Michigan Boating Laws & Responsibility**". The state of Michigan boater information and training is now available from a third party vendor - see: www.boat-ed.com/michigan.

Although an informal Upper Long Lake Patrol has been formed to encourage water safety and responsibility by advising offenders about the law, it is *everyone's* responsibility to know and abide by the state laws and common courtesy. **IT IS ESPECIALLY IMPORTANT TO REVIEW THESE LAWS AND RECOMMENDATIONS WITH BEGINNING BOATERS AND YOUR GUESTS.**

Have a safe and fun water sports season on Upper Long Lake!!

Rights to Operate Boats:

1. **State Registration:** All power boats (including jet skis) and sailboats of 12 feet or longer, as well as rowboats of over 16 feet, must be registered with the State of Michigan, and must have MC #'s and Registration stickers properly displayed.

Usage of Boats

1. **Because this is a private lake, only land owners may have permanent watercraft on the lake.** These watercraft should only be used by the deeded property owner and their immediate family, domestic servants and **day** guests.
2. Upper Long Lake Property owners can allow access for guest's watercraft but these boats may only be operated on a day use basis from sunrise to sunset. Watercraft that are not owned by ULL property owners are not allowed to be moored or docked overnight.
3. We have also had problems with marinas and boat storage companies that have obtained keys to some of the launches on the lake and they are allowing non owner boats on the lake. Please do not hand over keys to these companies, but provide a personal escort whenever possible.

Invasive Species

Residents are asked to take great care to inspect all watercraft, docks, hoists, etc. for zebra mussels and other invasive species. This is especially important if these items are coming from another body of water. Please take all the necessary precautions to inspect and sanitize any of these items thoroughly. If you are moving your boat from another lake, thoroughly clean the boat hull, bilge area, propeller, motor, outdrive, anchor, lines, and other items that entered another lake. It is best to bleach the bilge area and let everything dry for 3-5 days.

Lake Boat Launch Access

There are only three launches on the lake, located in Upper Long Lake Woods, Upper Long Lake Shores and Upper Long Lake Estates. If you live on the lake, but don't live in one of these subdivisions, you can contact the individual subdivision association for access privileges. There is usually an fee for this access.

Swimming:

Water Safety on Upper Long Lake

1. Swimming Areas: Swimming is allowed only in designated swimming areas – by subdivision rafts, within authorized swimming buoys; with 100 feet of shore; and within 100 feet of an anchored boat.
2. Swimming Supervision: Children under ten should be supervised by a competent adult or responsible older swimmer. It is unwise for anyone to swim alone.

Motor Boat Rules of Operation (Includes jet skis):

1. Don't Overload Boats. All boats have capacity plates which list capacities which should not be exceeded.
2. Be In Control: A person under the influence of alcohol, or a controlled substance, shall not operate a boat.
3. Drive Safely: Drive so as not to interfere with the lawful use of the lake by others. Be constantly aware of other boats around you and anticipate possible direction changes.
4. Speed: Due to lake size and boating population, the maximum speed limit is 36 MPH during daylight hours. A maximum speed from dusk to dawn is 7 MPH.
5. Jet Skis: Since jet skis do not have lights, and must go faster than 7 MPH, it is unlawful to operate them from dusk to dawn. You must be over 14 years old and have a boating certificate to operate a jet ski. Under 14, you must be accompanied by an adult. See State of Michigan Boating Handbook for details.
6. Be Mature Enough: Boating education is required for anyone born after June 30, 1996 to operating a vessel in Michigan. All boat drivers regardless of age, should complete a boating safety course, Boating education is available from the Oakland County Sherriff, (see https://www.oakgov.com/sheriff/Pages/safety_tips/boating.aspx or call 248-858-7831), or on-line from www.boat-ed.com/michigan and sometimes from boat dealers such as Wilson Marine.
7. Drive Counter-Clockwise around the lake!!! Sometimes serious wake-boarders (riders) and skiers will follow a straight path down and back through their own wake, to avoid riding on and crossing wakes. This is acceptable only when there are no other boats moving on the lake.
8. 100 Foot Rule: Drive and ski to maintain a safe distance of 100 feet from all person and property (swimmers, rafts, fishing boats at anchor) except at "slow – no wake speed." A standard full length ski rope is 75 feet long, so if your ski rope could reach close to another boat you are too close.
9. Right of Way:
 - a. Slower boat traffic should stay closer to shore
 - b. Overtaking – Pass to port (left) of slower boat.
 - c. Sailboats and Unpowered Boats – These have right of way over motorboats.
10. Accidents: In case of accident involving \$100 or more damage, report details to the owner of the damaged property immediately, and within five days, to the Oakland County Sheriff's Department, Marine Division at 248-858-4951 or 248-858-7831. Additionally, if injury is involved, render reasonable assistance to the victim and dial 911.

Water Safety on Upper Long Lake

- e. The course consists of a series of underwater cables, ropes, and pipes. Please do not anchor your boat or fish close to the buoys or center path of the course to avoid hooking the cable or ropes and losing your lures.

Scuba Diving and Snorkeling:

1. Scuba diving and/or snorkeling are not recommended in such a small lake except within 100 feet of shore.
2. When scuba diving, place diver's flag (red rectangle with a diagonal white stripe) at center of dive on buoy. Divers must stay within 100 feet of flag. Boaters must stay at least 100 feet from the flag.

Liability:

Registered owner will be liable for all personal or property damage occasioned by the negligent operation of his/her watercraft (personal injury, shoreline damage, property damage) by anyone. Boat operators are responsible for damaged caused by boat wake.

Required Safety Equipment: (See Michigan Boating Handbook for Complete Rules

1. All Boats: One accessible Type I, II or III personal flotation device (PFD) is required for every person on board. You are required to have one life jacket for each person on board your watercraft.....and they must be of appropriate size to fit the passengers on board each specific watercraft.
2. All Boats 16 Feet or Longer:
 - a. One throw able Type IV PFD is required in addition to one PFD for each person.
 - b. One handheld mouth whistle or power horn, capable of being heard for ½ mile is required.
3. Motorboats Less Than 26 Feet:
 - a. One Type B-1 (2 lbs. of dry chemical) fire extinguisher is required.
 - b. One white light aft, and a combination red port and green for starboard light on the bow, visible when operating between sunset and sunrise, are required.
 - c. A muffler that assures noise emissions lower than 86 decibels (similar to the noise of a passenger car at the same speed) is required.
4. Non-Powered Boats (Canoes, Rowboats, and Sailboats): One white light lantern, when on lake between sunset and sunrise, is required.
5. Inboard Motorboats: Must have a backfire flame arrester.

Fishing:

1. Respect fishing boats. Keep as much distance from them as possible, at least 100 ft.
2. Skiers are to stay out of reserved fishing areas when fisherman are present, and stay in the ski lanes.
3. Fishing boats are to stay out of ski lanes on heavy traffic days. Reserved fishing areas are designated on the attached map.

Water Safety on Upper Long Lake

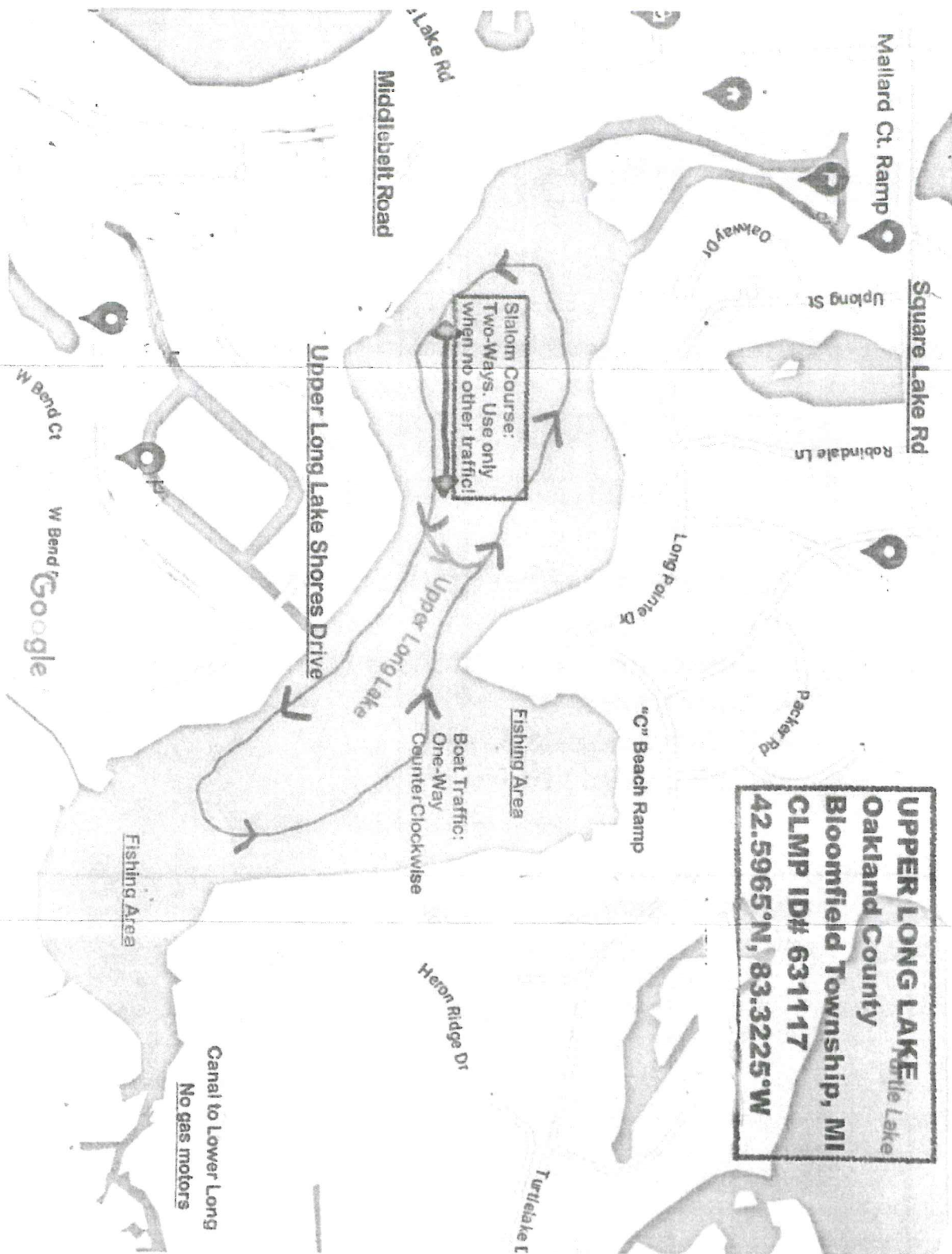
11. Water Ski Rules (Tubing, Kneeboarding, Wakeboarding etc.):

- a. Ski Safely - Ski in a manner that does not endanger any person or property. Be especially careful when picking up a downed skier to approach at a safe speed and distance, and to not entangle anyone in the rope. Be extra cautious when turning for a downed skier to return promptly while also ensuring that all other boats in the area are not impacted.
- b. Hours Permitted - By law, you may ski one hour before sunrise through one hour after sunset. However, courtesy suggests that you start no earlier than 8:00 a.m., or when light conditions allow good visibility.
- c. Observer – At least one competent observer needs to accompany the driver. A few individuals on the lake hold Michigan DNR training permits to ski without an observer in the course for competition practice. All others must have an observer.
- d. Mirror – All ski boats must have at least a 170-degree wide-angle mirror to assist driver in observing skier.
- e. Overtaking Rule – Remember that slower boats should stay closer to shore, and the overtaking passes on the port (left) side of the slower boat.
- f. Wakeboard and Wake surf boats can create much larger wakes than runabouts, especially when using the optional ballasts and other wake enhancing options. Please be aware of your wake especially in close proximity to canoes, kayaks, paddle boards and other small watercraft. Try to avoid making an equal distance turn around a stationary boat which can cause it to experience an extra large "double-up" wake. Shoreline erosion is an ongoing problem on our small lake. The DNR recommendation is to stay 500 feet from the shore when surfing and only surf where water depth is at least 15 feet.

12. Additional Ski Course Permit Provisions: (See separate brochure for ski club rules)

- a. The ski course is open to the general public. If you use it often, consider joining the Upper Long Lake Association Ski Club, and help pay for its upkeep. Learning to drive the course can be difficult, especially with a boat not specifically designed for slalom skiing. Please contact a ski club member if you would like some guidance to become a better driver. The permit is held by Jim Whalen.
- b. The ski course is kept in place all weekend after discussions with Michigan Marine patrol agreed that it helped with traffic flow. Please follow the counterclockwise flow around the course and avoid cutting through the course unless necessary. Tubes and other "towables" should not be whipped through the course, to avoid damage to the riders or the course.
- c. The ski course should only be used when no other boats are on the lake, usually in the morning hours. It has been a common practice for over 30 years that skiers take turns using the course to assure calm water for all skiers. If someone comes out and wants to ski, wakeboard and/or jetski....courtesy would suggest that these people talk to each other and share the lake in an appropriate manner. If more than 2 boats are on the lake at the same time...it would not be advisable to use the ski course.
- d. It is unlawful to moor or fasten a boat to a lawfully-placed buoy, or to remove or damage such a buoy. If you accidentally damage a water ski buoy, make restitution to the Upper Long Lake Association Ski Club. If a buoy is dislodged, please leave it on the raft by the Middlebelt beach. If you damage a ski buoy, contact the Ski Club, Jim Whalen, 248-396-9441, or Steve George, 248-535-0444

Water Safety on Upper Long Lake





Introducing the Upper Long Lake Website

www.UpperLongLake.com

Featuring useful information, including...

- < lake news
- < environmental safety information
- < boat safety
- < fishing regulations
- < other items of interest



You are welcome to submit postings, such as news, information and photos! We can also add links to other helpful sites, such as subdivision websites. Please contact webmaster Chris Bonde at webmaster@upperlonglake.com.

Interested in becoming involved in the Upper Long Lake website? Please let us know!

WAKE RESPONSIBLY



1 Always operate 200+ feet away

from shorelines and docks, and steer clear of parked boats and smaller watercraft.

2 Play music at reasonable levels

and have respect for your surroundings. Consider time of day and be mindful that explicit lyrics may offend others.

3 Minimize repetitive passes

along residential shorelines.

WAKE SURFING SURVEY RESULTS ANALYSIS

We received 90 surveys and the detailed results are in the following pages followed by a blank survey document. I erased all the addresses to keep it secret. The first 2 pages cover a summary of all questions on the survey. The next 21 pages have all the details. Pages 1 - 9 cover subdivisions and the whole lake. The page 9 covers the whole lake. Pages 10 - 13 cover wake and non- wake surfing boats. Pages 14 - 17 cover the townships. Pages 18 – 21 covers west lake and east lake.

This is a Summary of Question #4, which is “Wake Surfing is Unsafe, Yes or No”

Area on Lake	#4 Wake surfing is unsafe? YES	#4 Wake surfing is unsafe? NO	Less wake surfing boats NO votes	Net: #4 Wake surfing is unsafe? NO
Shore	8	10	5	5
ULLE	17	11	6	5
Turtle	0	2	1	1
Heron Bay	1	1	1	0
Wabeek	1	1	1	0
Woods	7	4	2	2
Whole lake	34	29	16	13

Net result, wake surfing is unsafe on the whole lake. and is a problem : 34 YES and 12 NO, excluding the wake surfers. 34 Yes and 29 No including the wake surfers votes.

WAKE SURFING ANALYSIS SUMMARY OF ALL AREAS OF THE UPPER LONG LAKE

Surveys from WHOLE LAKE	Total questionnaires	Township	East lake	West lake	Canal	Off	Power boat	Wake boat	Non power boat	No boat	Have you experienced shoreline impacts of wake surfing?	Seawall damage	Lawn damage	Plant damage	Dock damage	Parked boat damage	Swim area damage	Shoreline erosion	Other	When you are on the lake and there is wake surfing, what do you do?	Do? Canoeing	Do? Swimming	Do? Paddle boarding	Do? Water skiing	Do? Cruising	Do? Wind surfing	Do? Jet skiing	Do? Wake boarding	Ski course damage Yes/No	Wake surfing damage Yes/No	Comments	
All 90	90	w2	12	26	28	26	53	16	54	14	No impact	47	52	54	54	54	48	41	16	Stop	S 13	12	15	8	7	4	2	1	N 31	N29	3 Wake No	
		B 67							3	0	Blank	4	2	1	6	3	3	1	0	Move	M24	12	23	18	34	3	9	9	Y3	Y34	2 Lawsuits	
									5		Moderate	10	5	4	6	5	13	8	4	Unsafe? Yes	Y 21	17	21	13	16	6	6	4			2 Costs+++	
									1		Blank	2	0	0	0	1	1	2	0	Unsafe? No	N20	17	19	22	27	15	17	19			1 Wake OK	
									2		Severe	4	5	1	2	1	1	8	2												19 Other	
Shore	27	W9	1	7	13	6	14	5	17	6	No impact	13	14	17	16	14	15	16	4	Stop	S 3	1	2	1	0	1	1	0	Y0	Y 8	11	
		B 18									Blank	3	2	1	3	2	1	1	0	Move	M 5	2	4	2	7	1	2	1	N 12	N10	Comment	
											Moderate	5	3	1	0	0	2	2	2	1	Unsafe? Yes	Y 3	2	2	2	2	1	1	0			
											Blank	0	0	0	0	0	0	0	0	0	Unsafe? No	N 7	5	5	5	7	6	5	5			
											Severe	0	1	0	1	1	0	0	0	0												
ULLE	40	40	18	17	6	17	27	6	23	5	No impact	21	23	23	23	24	21	20	11	Stop	S 9	7	10	6	5	2	2	1	N11	N11	11	
											Blank	1	0	0	1	1	1	0	0	0	Move	M11	7	10	7	17	0	3	Y3	Y 17	Comment	
											Moderate	2	1	1	3	4	5	4	1	Unsafe? Yes	Y11	10	13	7	9	2	2	1				
											Blank	2	0	0	0	0	1	1	0	Unsafe? No	N 8	9	8	10	13	6	8	7				
											Severe	3	2	1	1	0	0	4	0	0												
Turtle	2	B 2	2	0	0	0	1	1	2		No impact	2	2	2	2	2	2	2	0	Stop	S 0	0	0	0	0	0	0	0	N 2	N 2	0	
											Blank	0	0	0	0	0	0	0	0	0	Move	M 2	1	2	2	2	1	1	2			Comment
											Moderate	0	0	0	0	0	0	0	0	0	Unsafe? Yes	Y 0	0	0	0	0	0	0				
											Blank	0	0	0	0	0	0	0	0	0	Unsafe? No	N 2	1	2	2	2	1	1	2			
											Severe	0	0	0	0	0	0	0	0	0												
Heron	3	B 3	3	0	0	0	2	1	2		No impact	1	1	1	1	2	1	1	0	Stop	S 0	0	1	1	1	1	0	0	N 1	N 1	2	
											Blank	0	0	0	0	0	0	0	0	0	Move	M 0	0	1	1	1	0	1	0	Y 1	Y 1	Comment
											Moderate	1	0	0	1	0	1	0	0	0	Unsafe? Yes	Y 1	1	1	1	1	1	1	1			
											Blank	0	0	0	0	0	0	0	0	0	Unsafe? No	N 1	1	1	1	1	1	1	1			
											Severe	0	1	0	0	0	0	2	0	0												

A	Sub	B	C	D E F			G H I			J K L			M N O			P Q R			S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
				WLC	Off	Live	P	W	NP	NO	S	L	P	D	B	S	SE	O												
102	102	Street	TWF																											
103	103			EL																										
104	Heron		X	X	X																									
105	Heron		X	X	X																									
106	Heron		X																											
107																														
108	H 3	Blue 1	B 3	3																										
109		Drivw 2																												
110																														
111																														
112																														
113																														
114	Wabe		X																											
115	Wabe		X																											
116	Wabe		X																											
117	Wabe																													
118	wab 4	Morning 1	B 4	3																										
119		Ridge 2																												
120		Wabeek 1																												
121																														
122																														
123																														
124																														
125																														
126																														
127																														
128																														
129																														
130																														
131																														
132																														
133																														
134																														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD									
192		Surveys from Wabeek Sub																																					
193	Wab 4	Morning 1	B 4	3			1	2	1	1	2	3	3	3	3	3	3	3	3	S 0	0	0	0	0	0	0	0	0	0	0	0	0							
194		Ridgevie2										0	0	0	0	0	0	0	0	M 1	1	1	1	1	1	1	1	1	1	1	1	N 1							
195		Wabeek 1										0	0	0	0	0	0	0	0	Y 1	0	0	0	0	0	0	0	0	0	0	0	0							
196												0	0	0	0	0	0	0	0	N 1	1	1	1	1	1	1	1	1	1	1	1	1							
197																																							
198																																							
199		Surveys from Woods Sub																																					
200	W 14	Long 1	W14	3	1	9	2	7	2	9	1	7	9	8	9	9	6	5	1	S 1	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0				
201		Middle 8		0								0	0	0	1	1	1	0	0	M 5	1	5	5	5	6	0	1	2	2	2	2	2	2	2	2				
202		Oakway 1										2	1	2	2	1	5	3	2	Y 5	4	5	3	4	4	2	2	2	2	2	2	2	2	2	2				
203		Uplong 2										0	0	0	0	1	0	1	0	N 1	1	2	3	3	3	1	3	4	4	4	4	4	4	4	4	4			
204		???	2									1	1	0	0	1	2	2	2																				
205																																							
206																																							
207																																							

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD		
208																																
209	Surveys from WHOLE LAKE	Total questionnaires	Township	East lake	West lake	Canal	Off	Power boat	Wake boat	Non power boat	No boat	Seawall damage	Lawn damage	Plant damage	Dock damage	Parked boat damage	Swim area damage	Shoreline erosion	Other	Do? Canoeing	Do? Swimming	Do? Paddle boarding	Do? Water skiing	Do? Cruising	Do? Wind surfing	Do? Jet skiing	Do? Wake boarding	Ski course damage Yes/No	Wake surfing damage Yes/No	Comments		
210	All 90	90	W23	12	26	28	26	53	16	54	14	47	52	54	54	54	48	47	16	S13	12	15	8	7	4	2	1	N31	N29	3 No wake surfing		
211			B 67									4	2	1	6	3	3	1	0	M24	12	23	18	4	3	9	9	Y3	Y34	2 Legal suits		
212												10	5	4	6	5	13	8	4	Y21	17	21	13	16	6	6	4			2 Costs \$20K + \$1,800		
213												2	0	0	0	1	1	2	0	N20	18	19	22	28	15	18	19			1 Wake surfing OK		
214												4	5	1	2	1	1	8	2											19 Other comments		
215																																
216																																
217																																
218																																
219																																
220																																
221																																
222																																
223																																
224																																
225																																
226																																
227																																
228																																
229																																
230																																
231																																
232																																

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD		
266	Shores			X		X	X	X	X		3	3	1	1	1	1	3		MN	N	MN	SN	MN	SN	N	MN		NO	Reaction stop / move		
267	Shores				X			X	X		3								M		M		M				YES	Wave damage in canal			
268	Shores		X			X	X		X		1	1	1	1	1	1	1									NO	NO				
269	Shores			X		X	X		X		1	1	1	1	1	1	1	1	1	1	1						YES				
270	Shores				X			X																							
271	Shores			X		X	X	X	X		1	1	1	1	1	1	1	1	1	M	M				M						
272	Shores				X			X	X		1	1	1	1	1	1	1	1													
273	Shores				X					X																					
274	Shores		X						X	X	3	3	1	1	1	3	1										YES	Wake on lake don't sk			
275	ULLE		X			X	X				1	1	1	1	1	1	1		MN						MN	NO	NO				
276	ULLE			X		X	X	X	X										SY		SY		MY								
277	ULLE				X		X				1	1	1	1	1	1	1	1													
278	ULLE			X		X	X	X	X		1	1	1	1	1	1	1	1	MY	MY	M										
279	ULLE			X		X	X	X	X		1	1	1	1	1	3	5		SY	SY	S					YES	YES				
280	ULLE			X		X	X	X	X		1	1	1	1	1	1	1	1	SMY	SMY	SMY	SMY	SMY	SMY	SMY	SMY	YES	YES			
281	ULLE		X			X	X	X	X		5	5	5	1	1	2	5		SY	SY		MY	MY			YES	YES	Spent \$1,800 +100 hrs			
282	ULLE		X			X	X	X	X		4	1	1	2	3	1	1		SY	SY		MIN	MY				YES				
283	ULLE		X			X	X	X			1	1	1	1	1	1	1								MN	NO	NO				
284	ULLE		X			X	X	X			1	1	1	1	1	1	1										NO	NO			
285	ULLE		X			X	X	X	X							1	1				MY						YES				
286	ULLE		X			X	X	X			1	1	1	1	1	1	3		MN		MN	MN				MN	YES				
287	ULLE		X			X	X	X			3			3	3						SY		SY				YES				
288	ULLE		X			X	X	X	X		5			5							SY	SY									
289	ULLE		X			X	X	X			1	1	1	1	1	1	1	1	1	SY	SY	SY	SY	SY	SY	NO	YES				
290	ULLE		X			X	X	X	X		2	1	1	3	1	1	1	1	SMY		SMY	MY	MY				YES				
291	ULLE			X		X	X	X	X		3	3	3	2	2	3	5		MY	MY	MY		M			YES					
292	ULLE		X			X	X	X	X		1	1	1	1	1	1	1		M	SY	MY	MN	MN			NO	YES				
293	ULLE		X			X	X	X	X		5	5					5		SM		S						YES	Wake too close-shore			
294	ULLE			X		X	X	X	X										SY	SY	SY	SY	MY			YES	Unsafe to fish				
295	ULLE			X		X	X			X	1	1	1	1	1	1	1	1													
296	ULLE			X		X	X																				NO	NO			
297	ULLE			X		X	X				1	1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO			
298	ULLE			X		X	X			X																					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD					
299	U 2554					X	X	X	X							3	3	3	M	M		M		S					YES	Waves hit B beach					
300	U 2584					X				X	1	1	1	1	1	1	3	3										YES	Waves are too big						
301	U 2648					X									1	1								MN											
302	U 2681					X			X									3													Opposed to wake surf				
303	U 1860					X			X		1	1	1	1	1	1	3	1	1	N	N	N	N	N	N	N			YES						
304	U 2585					X		X	X		4				3	3	4	4	Y	Y	Y	Y	Y				YES	YES							
305	U 2645					X			X		1	1	1	1	1	1	1	1	1	S	S														
306	U 2660					X				X																									
307	U 2688					X			X									3							S										
308	U 2700					X				X																									
309	Turtle		X				X		X		1	1	1	1	1	1	1	1	MN	MN	MN	MN	MN	MN											
310	Heron		X				X		X		3	5			3	1	3	5	Y	Y	Y	SMY	SMY	SMY	SMY	SMY	SMY	MY	Y	YES	Spent \$20k shoreline				
311	Heron		X				X											5																	
312	Wabe		X				X				1	1	1	1	1	1	1	1	MY	M	M	M	M	M	M	M	M								
313	Wabe		X							X																									
314	Wabe						X			X	1	1	1	1	1	1	1	1																	
315	Wood			X					X			3	3	3	3	5	5	5	Y	Y	Y	Y	Y	Y	Y	Y	Y								
316	Wood				X						3	1	1	1	1	1	1			S	S														
317	Wood				X		X				5	5	3	3	4	3	5	5	MY	SY	MY	MY	MN	MY	SY	N	N	YES	Lake needs + safety						
318	Wood				X		X		X							3			MY	MY								YES	No wake surfing						
319	Wood				X		X				1	1	1	1	1	1	1	1	1	MY	SY	MY	MN	MY				YES							
320	Wood		X						X						2	2	3	3	M																
321	Wood		X				X		X		1	1	1	1	1	1	1	1																	
322	Wood		X			X	X		X		3	1	3	1	1	3	3	3	SY	SY		SY	M	M	M			NO	NO						
323	Wood				X				X							3	3												YES	No wake surfing					
324	Wood				X		X		X		1	1	1	1	1	1	1	1			SY	MY	MY	MY				YES							
325	???				X					X	1	1	1	1	1	1	1	1											YES						
326	???				X						1	1	1	1	1	1	1	4						SN				NO	NO						
327																																			
328																																			
329																																			
330																																			
331																																			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD		
332																																
333																																
334																																
335																																
336	16	90	W3	3	6	7	1	5	16	14	0	16	16	16	16	16	15	15	4	S	0	0	0	0	0	0	0	N15	N15	Wake surfing damage Yes/No	Comments	
337			B13																	M	5	2	5	3	6	1	4	Y	0	3 Law suits to follow		
338																				Y	0	0	0	0	0	0	0	Y	0	2 All sports lake		
339																				N	12	12	12	12	10	10	11			2 Improve safety		
340																				0	N	12	12	12	10	10	11			1 Wake surfing is OK		
																				1										0 Other comments		
341																																
342	74	90	W20	9	20	21	25	48	0	40	14	31	36	38	38	38	38	33	32	S	12	11	15	8	7	4	2	1	N13	N13	Wake surfing damage Yes/No	Comments
343			B54																	M	21	10	18	15	28	2	8	5	Y	31	3 No wake surfing	
344																				Y	21	17	13	13	16	6	6	4			3 Debris and damage	
345																				N	8	6	10	10	16	5	8	8			2 \$20k+\$1,800+100 hr	
346																				0	N	8	6	10	16	5	8	8			1 Boat hoist damage	
347																				1											10 Other comments	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD				
348																																	
349																																	
350 A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AD					
351 Sub	Street	TWF	Live				Use on Lake				Shoreline impact												Reaction to Wake surfing				Ski C	WQ	Comments				
352			EL	WL	C	Off	P	W	NP	NO	S	L	P	D	B	S	SE	O	C	S	P	W	C	WS	JET	WB							
353	Shores				X			X	X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	N	NO	NO	NO	All sports lake +++++			
354	Shores				X		X		X		2	1	1	1	2	1	1	S	S							NO							
355	Shores				X		X				1	1	1	1	1	1	1	MN	MN					N		NO	NO						
356	Shores				X		X		X		2	2	2	2	2	2	2	MN	MN		MY					NO	NO	YES		Waves are too big			
357	Shores				X		X		X		2	2	3	2			3	SY	SY	SY	MY	MY	MY	MY	MY	NO	YES						
358	Shores				X			X	X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	N	NO	NO	NO	All sports lake =====			
359	Shores				X		X		X		1	1	1	1	1	1	1									NO	NO	NO		Lawsuits to follow			
360	Shores		X						X		1	1	1	1	1	1	1									NO	NO						
361	Shores					X			X																								
362	Shores						X																									Do not go on the lake	
363	Shores				X				X		3	3	1	2		3	1	3		S								YES					
364	Shores				X				X		3	5		5				Y	MY		MY							YES			Must boat on hoist		
365	Shores				X				X		3	3	1	1	1	1	3	MN	N	MN	SN	MN	SN	N	N	MN		NO			Reaction stop /move		
366	Shores				X				X		3							M	M		M						YES				Wave damage in canal		
367	Shores				X				X		1	1	1	1	1	1	1										NO	NO					
368	Shores				X						1	1	1	1	1	1	1	1	1	SY								YES					
369	Shores				X				X		1	1	1	1	1	1	1										NO	NO					
370	Shores				X					X	3	3	1	1		3	1											YES				Wake on lake don't ski	
371	ULLE				X						1	1	1	1	1	1	1		MN					MN		NO	NO						
372	ULLE				X				X									SY	SY		SY		MY										
373	ULLE					X					1	1	1	1	1	1	1	1															
374	ULLE				X				X		1	1	1	1	1	1	1	MY	MY	MY	M												
375	ULLE				X				X		1	1	1	1	1	1	3	SY	SY	SY	SY	S					YES	YES					
376	ULLE				X				X		1	1	1	1	1	1	1	1	SMY	SMY	SMY	SMY	SMY	SMY	SMY	SMY		YES	YES				
377	ULLE				X				X		1	1	1	1	1	1	1	1	N	MN	N	M					NO	NO	NO			Decision makers liable	
378	ULLE				X				X		5	5	5	1	1	2	5	SY	SY	SY	MY	MY	MY				YES	YES				Spent \$1,800 +100 hrs	
379	ULLE				X				X		4	1	1	2	3	1	1		SY	SY	SY	MN	MY				YES	YES					
380	ULLE				X				X		1	1	1	1	1	1	1	1	MN	N	MN	N	MN	N	N	MN	NO	NO				Improve safety	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD		
381	ULLE			X		X					1	1	1	1	1	1	1			MN			MN				NO	NO			
382	ULLE			X		X					1	1	1	1	1	1	1						MN					NO	NO		
383	ULLE			X			X				1	1	1	1	1	1	1										NO	NO			
384	ULLE			X				X								1	1		MY		MY							YES	YES		
385	ULLE			X		X					1	1	1	1	1	1	3		MN		MN	MN	MN			MN	YES	YES			
386	ULLE				X		X				1	1	1	1	1	1	1		N	N	N	N	N	N	N	N	NO	NO			
387	ULLE			X			X				3		3	3							SY	SY	SY				YES	YES			
388	ULLE			X		X		X			5		5								SY	SY	SY						Boat hoist cracked		
389	ULLE			X		X					1	1	1	1	1	1	1	1	1	SY	SY	SY	SY	SY	SY	SY	NO	YES			
390	ULLE			X		X		X			2	1	1	3	1	1	1		SMY		SMY	MY	MY	MY				YES	debris on seawall		
391	ULLE				X		X				3	3	3	2	2	3	5		MY	MY	MY	MY	M				YES	YES			
392	ULLE			X				X			1	1	1	1	1	1	1	1	1	N	N	N	N	N	N	N	NO	NO	Legal challenges++++		
393	ULLE			X		X		X			1	1	1	1	1	1			M	SY	MY	MY	MN	MN		NO	YES				
394	ULLE			X		X		X			5	5					5		SM			S					YES	Wake too close-shore			
395	ULLE			X		X		X			1	1	1	1	1	1	1	1	1	MN	N	MN	N	N	N	MN	NO	NO			
396	ULLE				X		X		X										SY	SY	SY	SY	MY				YES	Unsafe to fish			
397	ULLE				X				X		1	1	1	1	1	1	1	1													
398	ULLE				X		X																	SY			NO	NO			
399	ULLE				X		X				1	1	1	1	1	1	1	1	1	N	N	N	N	N	N	N	NO	NO			
400	ULLE				X				X																						
401	U 2554				X		X		X							3	3	3	M	M	M	M	S					YES	Waves hit B beach		
402	U 2584				X					X	1	1	1	1	1	3	3											YES	Waves are too big		
403	U 2648				X		X									1	1							MN							
404	U 2681				X				X																						
405	U 1860				X			X			1	1	1	1	1	3	1	1	1	N	N	N	N	N	N	N		YES			
406	U 2585				X		X		X		4		3	3	4	4			Y	Y	Y	Y				YES	YES				
407	U 2645				X			X			1	1	1	1	1	1	1	1	1	S	S										
408	U 2660				X				X																						
409	U 2688				X		X		X																S						
410	U 2700				X																										
411	Turtle		X			X		X			1	1	1	1	1	1	1		MN			MN	MN	MN		MN	NO	NO			
412	Turtle		X					X	X		1	1	1	1	1	1	1	1		MN	MN	MN	MN	MN	MN	MN	NO	NO			
413	Heron		X			X		X			3	5		3	1	3	5	Y	Y	Y	SMY	SMY	SMY	SMY	MY	Y	YES	Spent \$20k shoreline			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
414	Heron		X			X											5												
415	Heron		X				X		X		1	1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO	Wake surfing is OK
416	Wabe		X			X					1	1	1	1	1	1	1	MY	M	M	M	M	M	M	M	M	YES		
417	Wabe		X						X																				
418	Wabe		X			X	X		X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		
419	Wabe				X				X		1	1	1	1	1	1	1												
420	Shores			X		X			X		1	1	1	1	1	1	1	1											
421	Shores			X		X					1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		
422	Shores				X				X																				
423	Shores				X	X																	MY						Jet skis cause problem
424	Shores				X			X																					
425	Shores			X		X	X		X		1	1	1	1	1	1	1	1	N	N	N	N	N	N	N	NO	NO	Need + safety on lake	
426	Shores			X		X			X		1	1	1	1	1	1	1	1	M	M	M								
427	Shores				X				X		1	1	1	1	1	1	1	1											
428	Shores				X				X																				
429	Wood			X					X		3	3	3	3	3	3	5	5	Y	Y	Y	Y	Y	Y	Y	Y	YES		
430	Wood			X							3	1	1	1	1	1			S	S					Y	Y	YES	Lake needs + safety	
431	Wood			X		X					5	5	3	3	4	3	5	5	MY	SY	MY	MN	MY	SY	N	N	YES	No wake surfing	
432	Wood			X				X	X		1	1	1	1	1	1	1	1			MN		MN			NO	NO		
433	Wood			X		X			X							3			MY	MY							YES		
434	Wood			X		X					1	1	1	1	1	1	1	1	MY	SY	MY	MN	MY		MN	MN	YES		
435	Wood		X						X					2	2	3	3	M			M								
436	Wood		X			X			X		1	1	1	1	1	1	1	1									NO	NO	
437	Wood		X		X	X			X		3	1	3	1	1	3	3	SY	SY		SY	M	M	M					
438	Wood			X		X	X		X		1	1	1	1	1	1	3	5	MN	SN	MN	MN	MN	N	N	NO	NO	No wake surfing	
439	Wood				X				X							3	3												
440	Wood			X		X			X		1	1	1	1	1	1	1	1			SY	MY	MY				YES		
441	???				X					X	1	1	1	1	1	1	1	1											
442	???			X							1	1	1	1	1	1	4							SN			NO	NO	
443																													
444																													
445																													
446																													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
447																														
448	Surveys BLOOMFIELD TWP	Total questionnaires	Township	East lake	West lake	Canal	Off	Power boat	Wake boat	Non power boat	No boat	Seawall damage	Lawn damage	Plant damage	Dock damage	Parked boat damage	Swim area damage	Shoreline erosion	Other	Do? Canoeing	Do? Swimming	Do? Paddle boarding	Do? Water skiing	Do? Cruising	Do? Wind surfing	Do? Jet skiing	Do? Wake boarding	Ski course damage Yes/No	Wake surfing damage Yes/No	
449	67	90	B 67	9	25	15	19	41	13	41	10	35	38	41	40	40	37	37	12	S 12	9	13	8	6	3	2	1	N 25	N 23	
450			W 0									4	2	1	5	3	2	1	0	M 18	10	17	16	27	3	7	7	Y 3	Y 26	
451												8	4	2	4	4	8	6	2	Y 16	13	16	10	11	4	4	3			
452												2	0	0	0	0	1	1	0	N 16	5	15	17	22	12	13	13			
453												3	4	1	2	1	0	6	0											
454	Surveys WEST BLOOMFIELD	Total questionnaires	Township	East lake	West lake	Canal	Off	Power boat	Wake boat	Non power boat	No boat	Seawall damage	Lawn damage	Plant damage	Dock damage	Parked boat damage	Swim area damage	Shoreline erosion	Other	Do? Canoeing	Do? Swimming	Do? Paddle boarding	Do? Water skiing	Do? Cruising	Do? Wind surfing	Do? Jet skiing	Do? Wake boarding	Ski course damage Yes/No	Wake surfing damage Yes/No	
455	23	89	W 23	3	1	13	7	12	3	13	4	12	14	13	14	14	11	10	4	S 1	4	2	0	1	0	0	0	N 6	N 6	
456			B 0									0	0	0	1	0	1	0	0	M 6	2	6	5	7	0	2	2	Y 0	Y 8	
457												2	1	2	2	1	5	3	2	Y 5	4	5	3	5	2	2	2			
458												0	0	0	0	1	0	1	0	N 3	3	4	5	5	3	5	6			
459												1	1	0	0	0	1	2	2											
460																														
461																														
462																														

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
496	Shores			X		X	X	X	X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	N	NO	NO	Need + safety on lake
497	ULLE				X			X			1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		
498	Turtle		X					X	X		1	1	1	1	1	1	1	MN	MN	MN	MN	MN	MN	MN	MN	NO	NO		
499	Heron		X					X	X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO	Wake surfing is OK	
500	Wabe					X	X	X	X		1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		
501	Wood			X				X	X		1	1	1	1	1	1	1				MN		MN		N	NO	NO		
502	Wood			X	X	X	X	X	X		1	1	1	1	1	3	5	MN	SN	MN	MN	MN	MN	N	N	NO	NO		
503	Shores			X		X	X		X		2	1	1	2	1	1	1	S					M			NO			
504	Shores			X		X	X				1	1	1	1	1	1	1	MN					N		NO	NO			
505	Shores			X	X	X	X	X	X		2	2	2	2	2	2	2	MN		MY			MN			NO	YES	Waves are too big	
506	Shores			X	X	X	X	X	X		2	2	3	2			3	SY	SY	SY	MY	MY	MY	MY	MY	NO	YES		
507	Shores			X		X	X			X	1	1	1	1	1	1	1												
508	Shores			X		X	X				1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		
509	Shores				X					X																			
510	Shores				X					X													MY				YES	Jet skis cause problem	
511	Shores		X						X		1	1	1	1	1	1	1									NO	NO		
512	Shores					X				X																			
513	Shores				X				X		3									M		M							
514	Shores				X		X				1	1	1	1	1	1	1						MN				YES	Wave damage in canal	
515	Shores				X		X		X																		YES		
516	Shores				X		X		X		1	1	1	1	1	1	1			M	M				M				
517	Shores				X		X		X		1	1	1	1	1	1	1												
518	Shores				X		X		X																				
519	ULLE			X		X	X		X											SY	SY		MY						
520	ULLE			X		X	X				1	1	1	1	1	1	1						MN						
521	ULLE			X		X	X		X		1	1	1	1	1	1	1			MY	MY	M	N						
522	ULLE			X		X	X		X		1	1	1	1	1	3	5			SY	SY	S				YES	YES		
523	ULLE			X		X	X		X		1	1	1	1	1	1	1			SMY	SMY	SMY	SMY	SMY	SMY	SMY	YES	YES	
524	ULLE			X		X	X		X		3	3	3	2	2	3	5			MY	MY	MY	M			YES	YES		
525	ULLE			X		X	X		X											SY	SY	SY	MY			YES	YES	Unsafe to fish	
526	ULLE			X		X	X				1	1	1	1	1	1	1												
527	ULLE			X		X	X																SY				NO		
528	ULLE			X		X	X				1	1	1	1	1	1	1	N	N	N	N	N	N	N	N	NO	NO		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	
529	ULLE				X				X																					
530	U 2554			X	X			X						3	3	3			M	M	M	S						YES	Waves hit B beach	
531	U 2584			X	X				X					1	1	3	3											YES	Waves are too big	
532	U 2648			X	X	x								1	1							MN								
533	U 2681			X	X			X									3												Opposed to wake surf	
534	U 1860			X	X			X			1	1	1	1	1	3	1	1	N	N	N	N	N	N	N	N		YES		
535	U 2585			X	X			X			4		3	3	4	4	4		Y	Y	Y	Y				YES	YES			
536	U 2645			X	X			X			1	1	1	1	1	1	1	1	S		S									
537	U 2660			X	X				X																					
538	U 2688			X	X			X									3							S						
539	U 2700			X	X				X																					
540	Turtle		X					X			1	1	1	1	1	1	1	1	MN		MN	MN	MN			NO	NO			
541	Heron		X					X			3	5	3	1	3	5	5	Y	Y	Y	SMY	SMY	SMY	SMY	MY	Y	YES	Spent \$20k shoreline		
542	Heron		X					X								5														
543	Wabe		X					X			1	1	1	1	1	1	1	1	MY	M	M	M	M	M	M		YES			
544	Wabe		X					X																						
545	Wabe		X					X			1	1	1	1	1	1	1	1												
546	Wood		X		X						3	1	1	1	1				S						Y	Y	YES	Lake needs + safety		
547	Wood		X		X			X			5	5	3	3	4	3	5	5	MY	SY	MY	MN	MY	SY	N	N	YES	No wake surfing		
548	Wood		X		X			X								3			MY	MY							YES			
549	Wood		X		X			X			1	1	1	1	1	1	1	1	MY	SY	MY	MN	MY		MN		YES			
550	Wood		X		X			X						2	2	3	3	M			M									
551	Wood		X		X			X			1	1	1	1	1	1	1	1									NO	NO		
552	Wood		X		X			X			3	1	3	1	1	3	3	3	SY		SY	M	M						No wake surfing	
553	Wood		X		X			X								3		3									YES			
554	Wood		X		X			X			1	1	1	1	1	1	1	1			SY	MY	MY				YES			
555	???		X		X				X		1	1	1	1	1	1	1	1												
556	???		X		X						1	1	1	1	1	1	1	4					SN			NO	NO			
557																														
558																														
559																														
560																														
561																														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD		
562																																
563	Surveys from WEST LAKE	26																														
564		90	B15	0	26	1	0	18	6	18	1	13	15	18	16	16	17	16	5	S4	4	6	4	2	2	1	1	N10	N11		Comments	
565			W1									1	0	0	2	0	1	0	0	M8	4	7	7	12	0	2	4	Y1	Y13		2 Legal challenges 2 Shore/boat damage	
566												5	4	0	3	3	2	2	1	Y6	6	8	6	6	2	2	2				1 Spent\$1800+100hrs	
567												1	0	0	0	0	0	0	0	N6	7	6	8	9	4	6	5				1 Must boat on hoist	
568												3	3	1	2	2	1	3	0												5 Other comments	
569	Surveys EAST LAKE	64																														
570		90	B42	12	0	27	26	35	10	36	13	34	37	36	38	38	31	31	11	S9	8	9	4	5	2	1	0	N21	N18		Comments	
571			W22																	M16	8	16	11	22	3	7	5	Y2	Y21		3 No wake surfing 3 Wakes damage	
572																				Y15	11	13	7	10	4	4	2				1 Spent \$20Kshoreline	
573																				N14	11	13	14	19	11	12	14				1 Law suit to follow	
574																															8 Other comments	