



# ANN LAKE WATER LOG

A Newsletter of the Ann Lake Property Owners' Association (ALPOA) – June 2014

## 2014 ALPOA Board Members

### President

Kent Taylor  
Kent@annlake.org

### Vice President

Scott Hedberg -  
Scott@annlake.org

### Secretary

Al Murley - Al@annlake.org

### Treasurer

Dave Maxson  
Dave@annlake.org

### Directors:

Beth Dannecker-Noe  
Drew Petterson  
Bethany Onthank  
Ellie Flaherty  
Jane Bluhm

## Notes from the President

This year should be a year of improving on and solidifying the accomplishments and the momentum established over the past few years. This means continuing to improve the website, more out-reach to members to include actual, tangible deliverables, continuing the monitoring of the lake and shores for invasive species, maintaining existing and expansion of special events and expanded participation in our vital committee work. This conservative agenda should allow us to concentrate on what in my opinion is the most important task before us, the revitalization of the board with new volunteers. More on this in a moment.

Responding to requests to do more social things within our membership, Ellie (our Special Events Chair) has proposed a Labor Day event on the lake which she describes as our Summer Swan Song Soirée. You can read about it later in this newsletter. Also please plan on attending our most important event, the annual general board meeting on June 28th, where we can discuss these and other topics.

Now on to my particular concern: Due to a number of expiring terms and resignations we have a tremendous need for people within our membership to seriously consider volunteering for a board position. For years now we have relied on a small cadre of volunteer members who have done and continue to do yeomen's work on the ALPOA board. Many of these board members have served multiple terms in multiple roles. It is time we find their

replacements as several have said recently, "it's time for someone else to take over". So it's time we find some people to step up and build upon the sound foundation created by these wonderful, generous people over the past decade.

If you haven't already been contacted by our Nomination Committee member please communicate your desire to help keep us moving forward. Committee as well as board positions are open for you to fill. We are all indebted, myself included, to those who have given years of service to this organization. They are why we are here today enjoying the pristine waters and environment of Ann Lake. Several wish to pass the torch, are you ready to receive it? An organization like ALPOA always needs 'new blood' and the new ideas that come with them. Please think about it and give us your name or the name of another lake owner who you think deserves consideration. We are all counting on you.

Kent Taylor

# Treasurer's Report

Ann Lake Property Owners' Association		
TREASURER'S REPORT and BUDGET: December 31, 2013		
	Actual to date	Budget
Beginning Balance January 1, 2013	4,524.15	4,524.15
<b>INCOME</b>		
interest income on savings	1.10	5.00
2013 membership dues paid (80)	2,355.00	2,340.00
2014 dues prepaid	60.00	
donations	404.00	500.00
PPPR registrations plus pizza	886.00	
Extra shirts	260.00	
Total PPPR Income	1,146.00	950.00
<b>Total Income</b>	3,966.10	3,795.00
<b>EXPENSES</b>		
Michigan Lakes & Streams Association; annual dues	90.00	80.00
Subscriptions to Michigan Riparian (for 2014)	420.00	304.00
Liability insurance premium (annual)	389.91	400.00
State filing fee	20.00	20.00
PO box rent and misc postage	37.20	50.00
PayPal Fees	10.76	
Water Quality:		
enrollment in CLMP (lake monitoring program)	160.00	200.00
mileage to deliver samples for analysis		65.00
special (local) test for phosphorus	15.00	
Newsletters:		
Postage	82.50	100.00
Printing	71.77	200.00
Website maintenance		0.00
Invasive Species:		
Sample shipping		75.00
Communication and brochures	159.00	400.00
Special Events:		
Annual meeting	103.12	100.00
PPPR expenses (offset by income above)	1,126.39	950.00
Membership:		
Letters and brochures	200.85	462.00
follow-up mailing to non-members	58.00	100.00
Health and Safety		
Brochure boxes at launch and campground		60.00
Boating map/safety brochures (@ \$0.10)		10.00
Annual allocations to reserves:		
Website hosting fees	119.00	119.00
Sign maintenance at boat landing	25.00	25.00
Legal Reserve	50.00	50.00
Loon Reserve	75.00	25.00
<b>Total Expenses</b>	3,213.50	3,795.00
Ending Balance Operating Fund December 31, 2013	5,276.75	4,524.15

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# ALPOA GOVERNMENT REPORT

MAY 24, 2014

## VILLAGE OF LAKE ANN

----3 new businesses are coming.

Next to the library, in the space vacated by Advent Church, will be the Red Door Coffee Shop. Also, in the back part of that space, Lakeview Realty will have an office. The LA Café building will house the new Lake Ann Microbrewery, which will not be up and running for a year or so. In the mean time, work goes on to fix up the building and surrounding area.

----Michigan DEQ is finally going to conclude the remediation (that started in 2001) of the gasoline that leaked from an underground tank and flowed into Ann Lake. There is no longer any threat to Ann Lake or properties.

----A Village Fireworks Ordinance to regulate and limit the detonation of fireworks was passed. See notice

----Lake Ann Road north from Maple Street to Cedar Run Road and Cedar Run Road to Tucker Road will be repaved starting June 2, 2014 and be completed by June 27. Traffic will be maintained as a single lane, so expect delays. It would be best to take the newly repaved North Long Lake Road when going to Traverse City.

## ALMIRA TOWNSHIP

---- A new Fireworks Ordinance was passed. See notice

---- Renters of the Township Hall, on Maple Street in the Village, are now allowed to serve alcohol. A refundable damage/cleaning deposit will be required.

----The Township will continue to test the Lakefront Park waterfront for E-coli, weekly for 13 weeks, starting June 11 through September 3.

## **FIREWORKS ORDINANCES ALMIRA TOWNSHIP & VILLAGE of LAKE ANN**

### **PLEASE INFORM YOUR GUESTS/RENTERS**

Fireworks may be detonated **ONLY** on the **day before, the day of, and the day after a national holiday**. Those holidays are:

1. New Years; 2. Martin Luther King Jr. Day (third Monday in January); 3. Presidents Day (third Monday in February); 4. Memorial Day (last Monday in May); 5. Independence Day (July 4); 6. Labor Day (first Monday in September); 7. Columbus Day (second Monday in October); 8. Veterans Day (November 11); 9. Thanksgiving Day (fourth Thursday in November); and 10. Christmas Day (December 25).

## **SECTION 5 - CONSUMER FIREWORKS**

1. No person shall ignite discharge, or use consumer fireworks within Almira Township and the Village of Lake Ann on any day that is not the day preceding, the day of, or the day after a national holiday (listed above).

2. No person shall ignite, discharge, or use consumer fireworks within Almira Township and the Village of Lake Ann between the hours of 1:00 AM and 8:00 AM on the day preceding, the day of, and the day after a national holiday.
3. No person shall ignite, discharge, or use consumer fireworks within Almira Township and the Village of Lake Ann **ANYTIME when there is a burn ban in effect by Michigan DNR** .
4. MCL 28.462, Section 12 (1) states as follows: “A person shall not ignite, discharge, or use consumer fireworks on public property, school property, church property, or the property of another person without that organization’s or person’s express permission to use those fireworks on those premises”.

## SECTION 7 - PENALTY

Any person who violates any provision of these Ordinances (Almira Township and Village of Lake Ann) or who violates the terms of a permit issued under these Ordinances shall be responsible for a municipal civil infraction as defined in Public Act 12 of 1994, amending Public Act 236 of 1961, being sections 600.101-600.9939 of Michigan Compiled Laws, and shall be subject to a fine of up to Five Hundred (\$500 ) Dollars. Each day these Ordinances are violated shall be considered a separate violation.

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# ALPOA SPECIAL EVENTS 2014

## MARK YOUR CALENDARS FOR:

1. **Saturday, June 28**, for the **ANNUAL MEETING & PICNIC, 12NOON TO 2:00 PM** at the Almira Township Park main pavilion on Ole White Drive. Entrée, table ware and water provided. Please bring a side dish or dessert to share. **Please RSVP if you are coming** to Ellie Flaherty, (231)275-6313 so we know how many are coming.
2. **Friday, July 4** for the **ANNUAL UNOFFICIAL BOAT PARADE**. Gather at the big sandbar in the middle of the lake at **1:00 PM**, then follow the lead boat with “Support ALPOA” sign as we cruise around Ann Lake to salute our wonderful country.
3. **Saturday, August 2**, for the **5<sup>th</sup> ANNUAL PADDLE, PEDAL, PADDLE, ROW AROUND ANN LAKE, 8:00 AM to 11:00 AM** followed by a **Pizza Party at 12:30 PM**. See registration form for complete information. REGISTRATION FORMS MUST BE RECEIVED BY JULY 14 so tee shirts can be ordered in time for the event, or by July 28 if you do NOT want a shirt.
4. **ALPOA PHOTO GALLERY**, an ongoing year around event. See website [www.annlake.org](http://www.annlake.org) Photo Gallery for information and to view photos.
5. **NEW ALPOA Labor Day Weekend EVENT**  
What?----Labor Day Weekend Summer Swan Song Soiree  
When?----**Sunday August 31, 2014** from 2-4 PM (weather permitting)  
Where?----On your boat rafted with other boats over Ann Lake’s center sandbar  
Why?-----To say “goodbye” to summer while socializing with fellow Riparian’s  
Who?-----Your family and friends  
Bring?-----Your own snacks/beverages/your boat bumpers, bow and stern lines



# INVASIVE ALERT: GARLIC MUSTARD

by Kathy Garmes-Taylor [Kathy@annlake.org](mailto:Kathy@annlake.org)



We need your help identifying and treating new patches of highly invasive garlic mustard. In Michigan, garlic mustard infestations are most severe in the southern half of the lower peninsula, but populations are spreading north. The Northwest Michigan Invasive Species Network is attempting to locate patches of garlic mustard in Benzie County. So far, they have checked along the south side of the lake and have found patches along Birch View Trail and at the end of Pleasant View Rd. (that was me pulling garlic mustard on Memorial Day). As spots are identified, we'll work with local residents to remove and monitor the infestation.

Garlic mustard was introduced to North America from Europe in the 1860s. In its native range, garlic mustard has many natural predators. In Europe, garlic mustard is a food source for many insects and fungi. However, in North America it has no natural predators. Even the deer avoid eating garlic mustard.

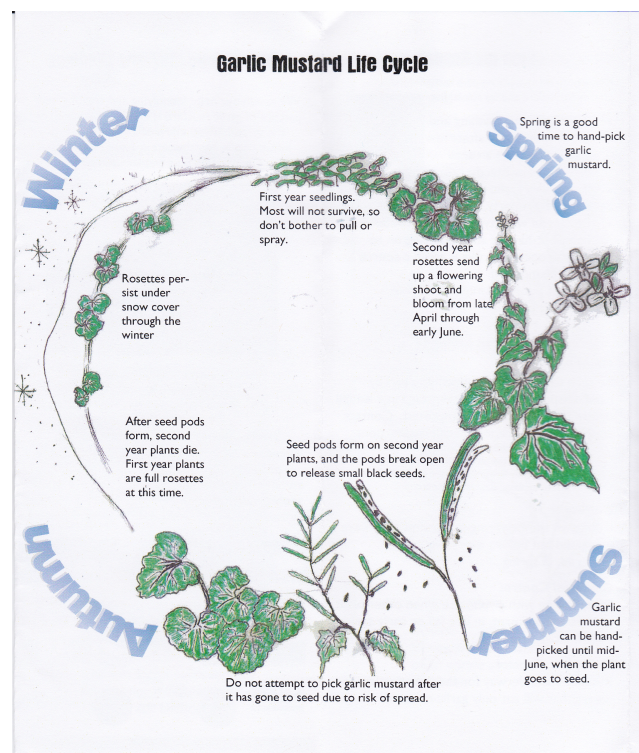
Garlic mustard prefers shade, but can tolerate full sun. Look for it along trails and roadsides, at the forest edge, along stream banks, and where soil has been turned and disturbed like recent construction sites. This is a real threat! Garlic mustard can be low rosettes of rounded leaves or 6-40" tall stalks (pictured). Garlic mustard aggressively crowds out native wildflowers, like trillium and violets, and interferes with the growth of forest tree seedlings. Its roots release a chemical into the soil, which prevents seeds of other plants from sprouting. This is an infestation at Betsie Dunes Nature Preserve.



Garlic mustard seeds can live in the soil for at least eleven years. Any control method must be repeated for several years until the garlic mustard seeds in the soil are gone. Hand pulling is an excellent control for small to moderately sized populations. Garlic mustard should be pulled before the plant flowers; try to pull as much of the stem and root as possible. Plants should be bagged and sent to the landfill. **DO NOT COMPOST** garlic mustard! Seeds will survive composting and will sprout in the compost or be spread with the compost.

For large populations and more information, please refer to the website below.

Information from:  
Northwest Michigan Invasive Species Network,  
[www.HabitatMatters.org](http://www.HabitatMatters.org)



# HEALTH AND SAFETY

Swimmers itch continues to be an ongoing concern within our lakes. Swimmers Itch Guard is suggested as a means to combat this potential problem. For more information on Swimmers Itch, its causes, and how to combat this issue, go to [www.annlake.org](http://www.annlake.org).

## WATER QUALITY REPORT

Again this year we're registered with the Cooperative Lakes Monitoring Program (CLMP) to monitor the clarity, phosphorus, chlorophyll, dissolved oxygen, and temperature of our lake. For those of you who appreciate such stuff, on the next page you will find some of the specific results of those tests for the past ten years. The rest of you may wish to just skip that page.

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
CLARITY										
min	13.0	12.0	10.0	11.0	11.5	12.0	7.0	8.0	11.0	13.0
max	26.0	29.0	30.0	29.0	28.0	27.0	29.0	31.5	25.5	24.0
average	16.4	19.1	16.7	17.4	16.6	18.1	19.1	17.5	17.5	19.0
TSI	37	35	37	36	37.0	35.0	35.0	36.0	36.0	35.0
PHOSPHOROUS (ug/l)										
spring	6.0	6.0	6.0	6.0	7.0	6.0	N/R	8.0	8.0	6.0
fall	6.0	9.0	5.0	N/R	4.0	5.0	11.0	8.0	15.0	5.0
TSI	30	36	27	N/R	<27	27.0	39.0	34.0	43.0	27.0
CHLOROPHYLL (ug/l)										
May	1.3	1.0	1.7	1.2	1.8	1.2	1.0	1.3	1.6	1.6
June	2.0	2.8	1.7	1.8	2.2	2.1	1.4	2.2	<1.0	1.6
July	2.0	2.9	1.4	1.9	2.5	2.1	1.1	2.3	1.7	2.5
Aug	2.9	2.2	2.0	N/R	1.8	1.5	1.9	1.4	1.3	1.3
Sept	2.5	2.9	1.1	N/R	2.1	1.9	1.5	1.4	1.5	1.3
average	2.1	2.4	1.6	N/R	2.1	1.8	1.4	1.7	1.5	1.7
TSI	37	41	36	N/R	38.0	37.0	34.0	34.0	35.0	35.0
DISSOLVED OXYGEN/TEMPERATURE										
This test measures the temperature of the water and presence of oxygen at 5 foot increments from top to bottom.										
We participate in this measurement, gathering data every two weeks throughout the season. Results since 2003 are virtually identical every year, indicating a very stable condition.										
TSI: Trophic State Index; a numerical index calculated from water quality data. The lower the index; the better the quality.										
Each of our TSI values put Ann Lake in the range of a very good quality lake.										
N/R: Not recorded/reported										

I present this chart again (I used it in the report last year also) for two reasons. First, the value, and the primary reason for testing after all, is to monitor the trends and be alert for significant changes. You may note that our results, over the years, continue to be rather stable. That's a good thing!

Secondly, we were concerned last year that the phosphorous reading in the fall of 2012 was significantly elevated from the trend. We were anxious last year to determine whether that's a change that deserves attention, or just an aberration in the test. You will notice that the results in 2013 were not only back in line, they were actually the lowest they'd been since 2009.

I conclude by assuring you that these results indicate that our lake continues to be far better quality than average amongst the lakes in the state that participate in the CLMP. In addition to the monitoring that we do, the Almira Township Board has engaged the Lake Ann Water Quality Lab to conduct weekly tests for e-coli at the public beach.

Dave Maxson

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## LOON UPDATE

The loons came back to Ann Lake! Since the water is high again this year, we deployed the artificial nesting platform but the loons decided to use their old nesting sight. Hopefully, they will be as successful as last year and have two chicks. Last summer, the chicks hatched the beginning of July and we were fortunate to see the family of four during the 4th of July pontoon parade. Will we be so lucky again this summer?

The buoys have been placed around the loon's nesting area so please remember and remind your guests to give them a wide berth. In an article from the Michigan Loon Preservation Association, Smoky Lake in the Upper Peninsula put out a loon platform in 1994 because, due to high water and loss of shoreline, the loons had stopped nesting on their lake; it had been at least 10 years. It took a while but by 2000 the loons started using the nest and it appears have used it every year since. Ann Lake's water level continues to stay high, it would be wise to keep deploying the nest out each year so that the loons get used to it. It may become a necessity in the future.

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## MEMBERSHIP

ALPOA exists and functions only with the financial support of membership. Membership is \$30.00. The fee helps support the association's ongoing effort to combat invasive species, educate and inform members via our website, and pay for ongoing information gathered for testing water quality. Attached to this letter is a membership form, or go to [www.annlake.org](http://www.annlake.org) and you may pay online. In addition, volunteers make every effort to educate the membership and public on any and all potential threats to this precious ecosystem. This is strictly a volunteer effort and any and all donations above and beyond annual membership are appreciated and welcome. We have a current membership of 80 with a potential for 200 members. Please support this association and it's dedicated Board.

# Ann Lake Water Level

By Scott Hedberg

The water levels have peaked this spring. The highest levels some of our long time residents have remembered.



Shoreline erosion impacts water clarity, silt impact fish habitat, which in turn impacts wildlife. Big wake boats are gone on their merry way when their wave crash on the shorelines washing more soil into the lake ecosystem. High water and low laying septic systems create problems. Those septic fields close to the lake then are at potential risk of contaminating the lake. Ice damage to shorelines over the winter when the water level is high prior to freezing. Some lakes lower their level. Docks that have been good for the last 50 years and rusted are too low and at risk of floating away when a big wake boat passes by. Boaters get used to going through water that was before too shallow. This creates issues when water recedes. The Loons can't nest because their nest is underwater. (We have placed out the floating loon nest for them). Mosquito populations increase with high water levels. As a result, risk of transmission of diseases increases for pets and people.

Why is the water so high?

- ✱ Amount of groundwater and other creeks flowing into the Ann Lake system.
- ✱ Amount of rain & snow. We had 22 ft. of snow. We had many spring rains.
- ✱ Amount of time ice cover remains on the lake reduces loss due to evaporation.
- ✱ Evaporation, sunny days increase it.
- ✱ Outflow to the Platte River. Any methods to minimize flow along the river reduces outflow. Culvert obstruction, trees down, rock dams, bank control downstream that reduces flooding.

ALPOA has been asked if they are monitoring the water level by the Michigan Farm Bureau. They are collaborating with the Michigan Department of Environmental Quality and the Michigan Lake and Stream Association. We have just started last year.

## Ann Lake Water Level Report: August 2013

Culverts South - North	Depth of Water	Width of culverts	Height of culverts	Length of culverts	Volume of section "x 2	% flowing	Rate of flow l/sec	Vol. section 'x 2	Gal.	G / min.	Gal / Day Flow River
1	12"	60"	43"	540"	180.6	57.14%	14	1.254	42.43	9.90	
2	14"	60"	43"	540"	212.85	67.35%	14	1.478	50.01	11.67	
3	20"	60"	43"	540"	303.15	95.92%	14	2.105	71.23	16.62	
4	21"	60"	43"	540"	316.05	100.00%	17	2.195	74.26	21.04	
<b>Total</b>	70.38%									59.23	85,292.76
<b>Design</b>	100%									84.16	121,192.11
		50% runoff									
<b>Rain Fall</b>	<b>Gals. Lake</b>	<b>Gals. Land</b>	<b>Total Gals/</b>		<b>Days to flow</b>	<b>Clean D-F</b>					
1"	1,556,369.32	324,524.44	1,880,893.76		22.05	15.52					
2"	2,939,808.72	612,990.60	3,552,799.32		41.65	29.32					
3"	4,323,248.12	901,456.77	5,224,704.89		61.26	43.11					

There are 4 culverts that control the outflow of Ann Lake. From measurements we have determined there is a 30% reduction in outflow due to sediment. We factored in a 50% runoff from the watershed into the lake in addition to what falls on the lake surface. With culvert flow rates, we can determine that it will take 22 days for 1 inch of rain to flow out. The rains we had last August based on 3" should have taken 2 months to flow out. We found that it took a month. From this we can determine evaporation at least accounts for 2.5 million gallons of water per month last August.

The ALPOA Board is planning on installing a 'Water Level Gage' at the culvert in order to keep track of level and flow rates for the future records.



## 5th ANNUAL PADDLE, PEDAL, PADDLE, ROW AROUND ANN LAKE

For kayaks, pedal boats, canoes, row boats, paddle boards ONLY. No motors, no sails. **THIS IS NOT A RACE.** It is a slow, fun way to enjoy all the wonderful nooks and crannies and wild life around Ann Lake. And, you'll be able to brag, "I went all the way around Ann Lake under my own power!"

**SATURDAY, AUGUST 2, 2014, 8:00AM TO 11:00 AM** (no wake boating hours). SUNDAY, AUGUST 3 is the **alternate date**, if the weather/wind is unfavorable on August 2.

Committee docks or boats will be labeled A, B, C, D, E, F, and anchored around the lake in alphabetical order. You will check in at the Committee dock or boat closest to your launch area, then, move in a counter clockwise direction (the shore line always on your right) in alphabetical order, checking in at each Committee dock or boat. For instance, if you start at "D", then move to "E", "F", "A", "B", "C" and BACK to your launch site to complete your circumnavigation of Ann Lake.

Certificates of Accomplishment will be awarded to all who check in at all 6 check points thus completing the circumnavigation of Ann Lake. These people will also have their name put into a hat for a drawing for various prizes.

**REGISTER NOW** for the August 2, 2014 People Powered, Paddle, Pedal, Paddle, Row event. \$15 for each person participating covers the cost of a special tee shirt, plus water and snacks along the course or \$5 with no shirt.

**PLUS, a Post Paddle, Pedal, Paddle, Row Pizza Party for Participants, Phamily, and Phriends.**

**What:** Eat Pizza; maybe win a Prize Drawing; Reminisce about your Participation.

**When:** 12:30 PM after PPPR Event

**Where:** 19899 and 19919 Skunk Hollow Pvt. off of Lake Ann Road south

**Cost:** \$4 person over and above the PPPR registration fee

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### REGISTRATION FOR ALPOA PEOPLE POWERED EVENT AUGUST 2, 2014

Number Registering for PPPR Event & Shirt _____	@ \$15 per person.	Amount Due _____
Number Registering for PPPR Event - NO shirt _____	@ \$5 per person.	Amount Due _____
Number for Pizza Party _____	@ \$4 per person.....	Amount Due _____
		Total Amount Due _____

Name(s) of person(s) registering for PPPR Event: \_\_\_\_\_  
Please Print

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Number of each shirt size needed: Adult: S \_\_\_ M \_\_\_ L \_\_\_ XL \_\_\_ XXL \_\_\_ 3XL \_\_\_ 4XL \_\_\_  
Youth: S \_\_\_ M \_\_\_ L \_\_\_

**Make check payable to** Ann Lake Property Owners' Association

**Send to:** Dave Maxson, Treasurer  
Ann Lake Property Owners' Association  
P.O. Box 184  
Lake Ann, MI 49650

#### YOUR SUMMER ADDRESS

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Email \_\_\_\_\_

**REGISTRATION MUST BE IN BY JULY 14, 2014**

**NOTE:** Tee shirts should be picked up Friday, August 1, between 5-6 pm at the Pavilion in the Lake Ann Village Park across from the LA Café.



## Ann Lake Property Owners Association

### 2014 Annual Membership Application

We are a 501c4 Corporation, dues are NOT tax deductible.

1. Please fill out the information for our files: mail or save as .pdf & email.
2. Mail your check payment or go to website [PayPal Button](#) and Pay online.

***Thank you for your continued support !***

Yearly Membership Dues    \$ 30.00            \_\_\_New \_\_\_Renewal  
Additional Donation        \$ \_\_\_\_\_  
Total Amount Paid         \$ \_\_\_\_\_

Please Enter Owner's Names:

Names: \_\_\_\_\_

Home \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Lake Phone \_\_\_\_\_

Summer \_\_\_\_\_

Address: \_\_\_\_\_ Lake Ann, MI 49650

E-Mail \_\_\_\_\_

Address: \_\_\_\_\_

I would like a subscription to the Michigan Riparian Magazine: Yes \_\_\_ No \_\_\_

*(This costs the Association \$12- 4 issues, this is optional )*

I would like my Newsletter mailed to me: Yes \_\_\_ No \_\_\_ *(It will be emailed.)*

*(This costs the Association printing & mailing costs)                      Newsletters are accessible online.*

I would like to volunteer to ALPOA: Yes \_\_\_ Committee: \_\_\_\_\_

Comments: \_\_\_\_\_

***Mail to: ALPOA Treasurer    P.O. Box 184 Lake Ann, MI 4965***

***or Save as PDF email to : [dcmxson@msn.com](mailto:dcmxson@msn.com)    Pay with Paypal.***

***Form is on website under 'Membership'***