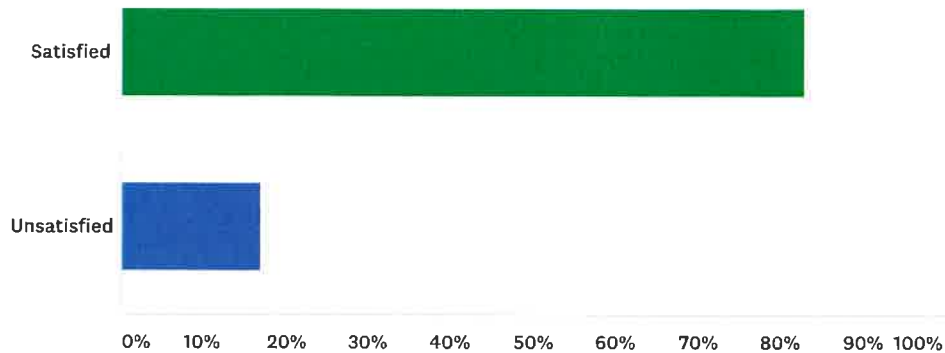


Q1 In general, have you been satisfied or unsatisfied with the condition of Wolverine Lake during the spring and summer of 2017?

Answered: 100 Skipped: 1



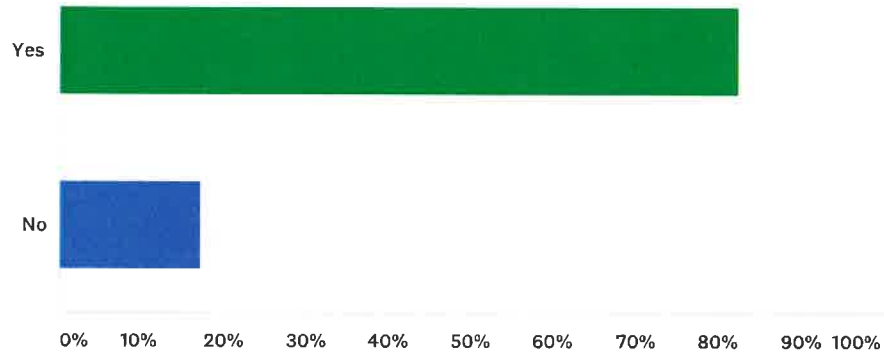
ANSWER CHOICES	RESPONSES	
Satisfied	83.00%	83
Unsatisfied	17.00%	17
TOTAL		100

#	COMMENTS:	DATE
1	Very satisfied. The bubblers and treatments are really cleaning up the lake.	8/27/2017 12:12 PM
2	I have been unsatisfied because of the chemical treatments in the lake. For six weeks the water was unuseable for swimming because of the treatments. If I have a sign on my lawn that says, "Do not use this water for live stock", the I do not feel safe swimming in it. We use transdural patches for everything and I will never be convinced that I am not absorbing chemicals thru my skin. It was explained to me that we don't "milk" dogs or people by our lake consultant. No, we don't but there are couples on the lake that are intimate so they might want to check some activities off their list during Wolverine Lake Summers if the chemical treatments persist.	8/27/2017 10:11 AM
3	Too many weeds still	8/25/2017 4:11 AM
4	We've been here almost 15yrs and I can't remember it being this good. I've been able to use my lakefront to 'swim'. Last year it was completely overtaken by the 'celery' weeds and totally unusable. Something is working at my lakefront!	8/24/2017 10:30 AM
5	Not sure . Not all village residents have lake access	8/23/2017 1:59 PM
6	although the lake is satisfying for recreational purposes, there are no weeds in the lake, which is not healthy for the lake or the wild life.	8/23/2017 1:39 PM
7	To many small fish that will bite your toes after only being in the water a few minutes... makes me not want to go in. Weeds are much better this year.	8/23/2017 11:47 AM
8	Great job this year.	8/22/2017 9:21 AM
9	Best it's been in years	8/21/2017 3:42 PM
10	Somewhat unsatisfied. Lake weeds in front of my home above water level due to weed cutter not coming in close enough possible due to water trampoline of neighbors	8/21/2017 9:14 AM
11	Very happy with the reduction of muck! I think the aerators are working.	8/17/2017 1:52 PM
12	getting too many lily pads now!!	8/17/2017 9:33 AM
13	Still too many weeds and thick muck	8/16/2017 12:10 PM

14	Much, much better than the last couple of years.	8/16/2017 9:43 AM
15	Weed harvester is not used nearly enough	8/16/2017 7:36 AM
16	There are strong weeds and Lilly pads in sections of the lake.	8/15/2017 8:14 PM
17	But more weeds than some years.	8/15/2017 7:41 PM
18	However, the water lily problem is not getting any better!!!	8/15/2017 7:26 PM
19	Water has been VERY murky and dirty/sandy though I do think in other ways it is improving from the aeration and attention from the management company	8/15/2017 6:52 PM
20	Weeds are a lot better this year; but, you can't put your feet in the water without getting bit by little fish. It's enough that it makes me not want to use the lake.	8/15/2017 6:22 PM
21	Much better than last summer.	8/15/2017 6:19 PM
22	Cloudier and taller weeds than other years	8/15/2017 3:10 PM
23	I feel we are only putting money into the lake and not the beaches. The Laguna beach does not have a private fence. Many dog owners let their dogs run around even with little children on the beach. We have found lots of dog feces at the beach. This should be for family swimming time, but kids often have to watch out for dog feces.	8/15/2017 3:00 PM
24	Lake is very clear this year.	8/15/2017 1:03 PM
25	Does the harvester even get used?	8/15/2017 12:31 PM
26	The chemical treatment of the weeds was very good this year	8/15/2017 12:02 PM
27	The weeds seem to be under control compared to last summer.	8/15/2017 11:42 AM
28	The Lake has never been so clean!	8/15/2017 10:50 AM
29	I would appreciate some direction on when to put weeds gathered from the lake out to the road to be collected.	8/15/2017 10:32 AM
30	Weeds are gone in our area but water clarity poor.	8/15/2017 10:32 AM
31	Weeds seem like they are non stop growing, even with treatments	8/15/2017 10:31 AM
32	extremely weedy	8/15/2017 10:13 AM
33	This year seems significantly better than last year. There are still lots of weeds, but much improved. Areas where weed machine cannot go could always use more help (beyond the bridge, etc)	8/15/2017 9:49 AM
34	weeds are horrible and the canal at Ethel and S. commerce has needed dredging for years	8/15/2017 9:49 AM
35	Pennylake is a mess. Bublars are a waste of funds.	8/15/2017 9:48 AM
36	I live on Laguna and last year I checked satisfied. However, after the survey I got enough weeds to fill 15 wheelbarrels at a time!	8/15/2017 9:42 AM
37	Much better than last year. Seems like the harvester could be used more to remove weed growth.	8/15/2017 9:40 AM
38	The water by my house is very dark and murky	8/15/2017 9:38 AM

Q2 Do you believe that the chemical treatments have been effective at reducing the growth of weeds in the lake?

Answered: 98 Skipped: 3



ANSWER CHOICES	RESPONSES	
Yes	82.65%	81
No	17.35%	17
TOTAL		98

#	COMMENTS:	DATE
1	It is working.	8/27/2017 12:12 PM
2	I believe this is a very misleading question. Sure, the weeds are less this summer but the harvester was only used 60 hours last year. Use the harvester more and chemicals less.	8/27/2017 10:11 AM
3	too much so!! serious lack of aquatic vegetation!!! I have used an under water camera that is lighted during the evening hours when the lake is still and it looks like moonscape out there. concerned about the over usage of chemical in the lake and the people making the decisions to do so.	8/23/2017 1:39 PM
4	We have only raked once this season!	8/23/2017 10:36 AM
5	Not sure. I think weed harvester makes a difference	8/17/2017 11:55 AM
6	The lake is very clean this year; however, we have tons of lily pads in the canal located across from the boat access.	8/17/2017 9:16 AM
7	Unsure	8/16/2017 4:44 PM
8	This year.	8/16/2017 1:06 PM
9	If applied properly.Still getting weeds on shoreline from boat activity on the weekends. Would like to see chemicals and more harvester activity down the center area of the lake .	8/16/2017 11:25 AM
10	Better than last year	8/16/2017 7:36 AM
11	But still a lot of weeds.	8/15/2017 7:41 PM
12	I live on Oak Island and the weed and water lilly treatmenty is not working.	8/15/2017 7:26 PM
13	Please reduce use of chemicals. Utilize machine more	8/15/2017 3:10 PM
14	2016 was better than 2017	8/15/2017 2:09 PM
15	The weed control seems to be more effective this year than last year at this same time at least near my home.	8/15/2017 1:48 PM

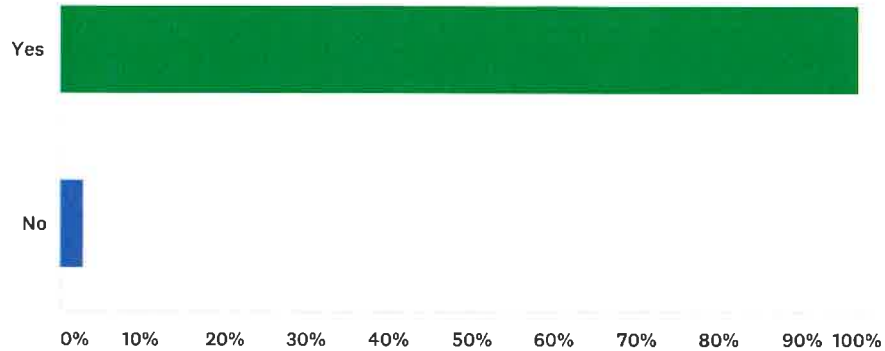
Village of Wolverine Lake 2017 Water Management Survey

SurveyMonkey

16	You are killing the weeds which damages the eco system of the lake.	8/15/2017 1:03 PM
17	Yes, but we still need to take. But we have turtles back!!	8/15/2017 10:50 AM
18	i believe its harms the fish and their mindset.	8/15/2017 10:25 AM
19	We need harvester to come into all the no wake areas	8/15/2017 9:49 AM
20	Why does the Harvester sit idle?	8/15/2017 9:48 AM
21	We just moved here so we have no way to compare.	8/15/2017 9:47 AM
22	Still get lots of weeds on my beach after the middle of August.	8/15/2017 9:42 AM
23	The weeds are in full bloom right now	8/15/2017 9:38 AM

Q3 Do you actively use the lake for any of the following activities: swimming, fishing, boating/kayaking?

Answered: 101 Skipped: 0

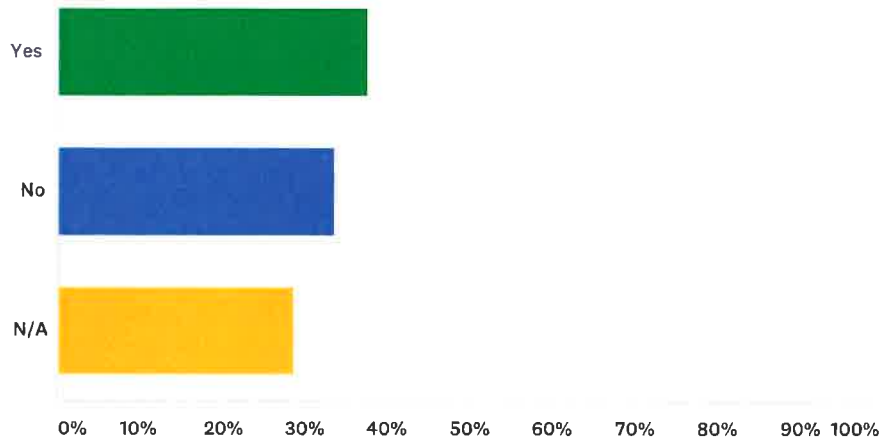


ANSWER CHOICES	RESPONSES	
Yes	97.03%	98
No	2.97%	3
TOTAL		101

#	COMMENTS:	DATE
1	Yes, all of the above.	8/27/2017 12:12 PM
2	I am very hesitant to soak in the chemical laden water. But, yes, I do fish, boat, and Kayak.	8/27/2017 10:11 AM
3	Not welcomed . You take out tax money though	8/23/2017 1:59 PM
4	recreational activities with the exception of fishing have been good. the over all longevity and health of the lake are of a grave concern. If there are almost virtually no weeds to harvest from the lake, it is not a healthy lake.	8/23/2017 1:39 PM
5	boating, swimming, fishing	8/17/2017 9:33 AM
6	All	8/16/2017 1:06 PM
7	Swimming, boating, kayaking, swimming	8/16/2017 9:43 AM
8	All of the above	8/15/2017 7:26 PM
9	I do a lap swim many times a week. The weeds are managed well.	8/15/2017 2:30 PM
10	All of the above. I use the lake nearly every day.	8/15/2017 1:48 PM
11	Lived on the lake for 34 years!	8/15/2017 10:50 AM
12	at least 5 times per week	8/15/2017 9:49 AM
13	All activities	8/15/2017 9:42 AM

Q4 If you live on the lake, have you noticed an increase in the rate of erosion in recent years?

Answered: 101 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	37.62%	38
No	33.66%	34
N/A	28.71%	29
TOTAL		101

#	COMMENTS:	DATE
1	Wake board boats are really causing damage. Let's consider no wakeboarding rules in the Penny Lake area.	8/27/2017 12:12 PM
2	I have a sea wall.	8/27/2017 10:11 AM
3	We had to replace our seawall last year because there was so much erosion.	8/23/2017 10:36 AM
4	I think wakeboard boats are taking a toll	8/21/2017 3:42 PM
5	I wish that the DNR/DEQ would develop regulations for the size a body of water needs to be in order to allow yhe use of "wake enhancing devices". The Penny Lake arm is too narrow and shallow for the additional wake. Other lakes and states have put in restrictions so that wake enhancing devices are only allowed in areas where the water is wider and deeper.	8/17/2017 1:52 PM
6	Just moved here three years ago so I cannot answer this question.	8/17/2017 9:16 AM
7	Lakefront is deeper.	8/16/2017 11:25 AM
8	I have lost nearly 4 feet of beach this year from wakeboard boats!	8/15/2017 4:47 PM
9	Issue around me is seawalls that have holes cut in them for drainage and water washing in behind the wall and water slamming into the wall over the sea wall under the top cap	8/15/2017 4:08 PM
10	Bought the house in 2011, erosion about 2 feet. No sea wall.	8/15/2017 2:30 PM
11	Replacing stone seawall soon	8/15/2017 12:31 PM
12	We just built on the lake and moved in in March	8/15/2017 12:02 PM
13	But up to the home owner to take care of this	8/15/2017 10:50 AM

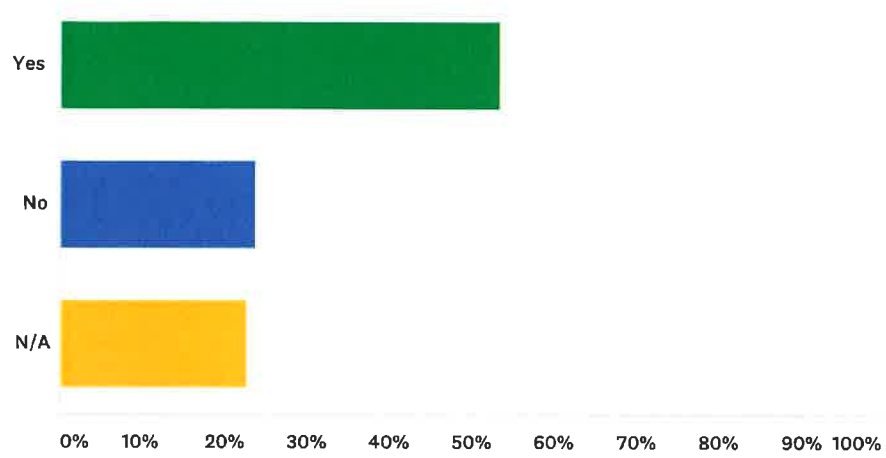
Village of Wolverine Lake 2017 Water Management Survey

SurveyMonkey

- | | | |
|----|---|-------------------|
| 14 | I believe the rate of erosion could be reduced if the laws/regulations were enforced and boaters educated regarding the "wake rules". There is a "No Wake" sign in front of my home at the entrance to the canal. Boaters run their boats at full throttle up to the sign, absolutely ignoring the 100 foot rule. My seawall is vinyl, less than 20 years old and needs to be backfilled due to the damaged inflicted by these boaters. The wakeboard boats are inflicting a lot of damage as well. | 8/15/2017 9:50 AM |
| 15 | live in no wake zone | 8/15/2017 9:49 AM |
| 16 | I have a beach and I have not noticed a difference. | 8/15/2017 9:42 AM |
| 17 | Wakeboarding is the biggest culprit, followed by PWCs doing tricks. | 8/15/2017 9:38 AM |

Q5 If you live on the lake, do you have a seawall?

Answered: 101 Skipped: 0



ANSWER CHOICES

Yes

No

N/A

TOTAL

RESPONSES

53.47%

23.76%

22.77%

54

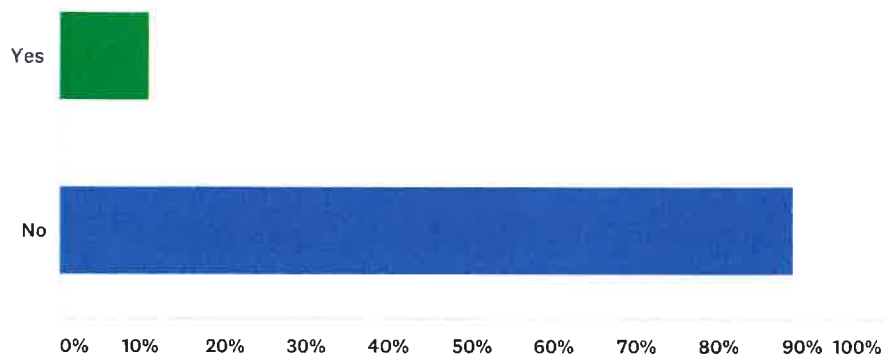
24

23

101

Q6 Have you reported a question, concern, or complaint to the Village regarding the condition of the lake this spring or summer?

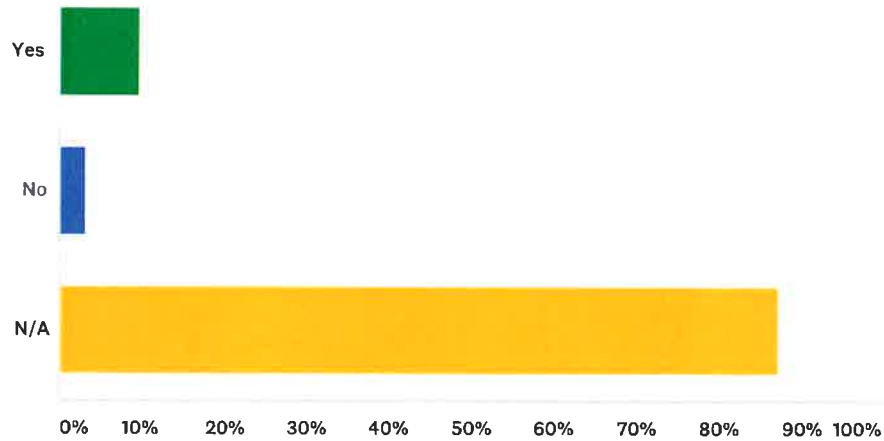
Answered: 101 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	10.89%	11
No	89.11%	90
TOTAL		101

Q7 If you did report a question, concern, or complaint, did you feel that the Village and/or Water Management Board was responsive to your concerns?

Answered: 94 Skipped: 7

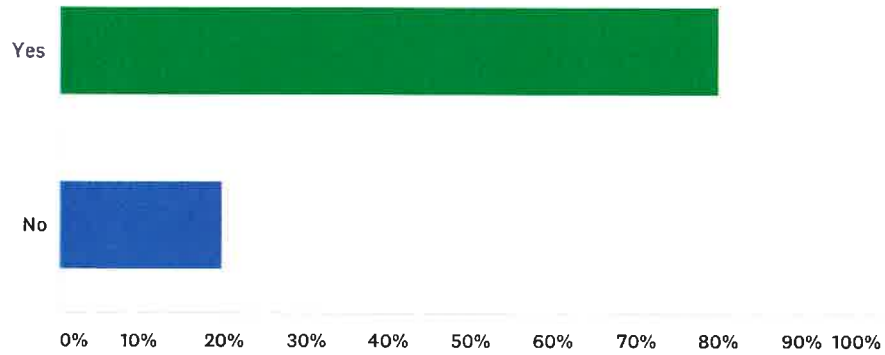


ANSWER CHOICES	RESPONSES	
Yes	9.57%	9
No	3.19%	3
N/A	87.23%	82
TOTAL		94

#	COMMENTS:	DATE
1	They listened but the chemicals keep coming while the harvester sits.	8/27/2017 10:11 AM
2	Looking into the problem does not get rid of the water lillies	8/15/2017 7:26 PM
3	We have turtles & crayfish back, doing something right	8/15/2017 10:50 AM
4	Nice to see the harvester in the Penny Lake arm.	8/15/2017 10:32 AM
5	I reported a complaint 2 years ago and it went unanswered	8/15/2017 10:11 AM

Q8 Have you used the Village website, www.wolverinelake.com, to find information about treatments or other lake-related information?

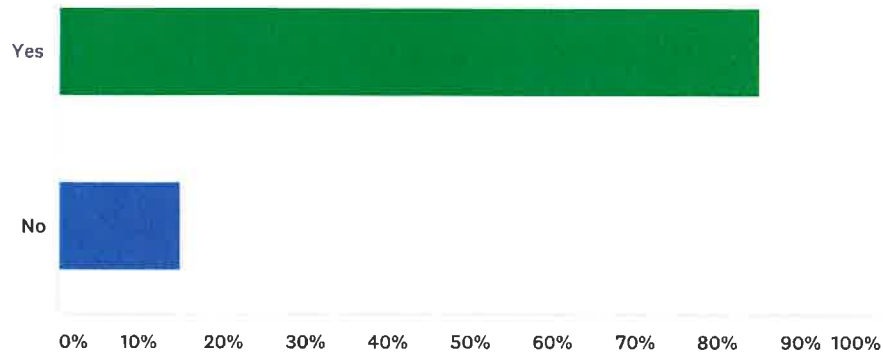
Answered: 101 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	80.20%	81
No	19.80%	20
TOTAL		101

Q9 Do you believe the Village provides enough information and communication to residents on lake-related matters?

Answered: 101 Skipped: 0

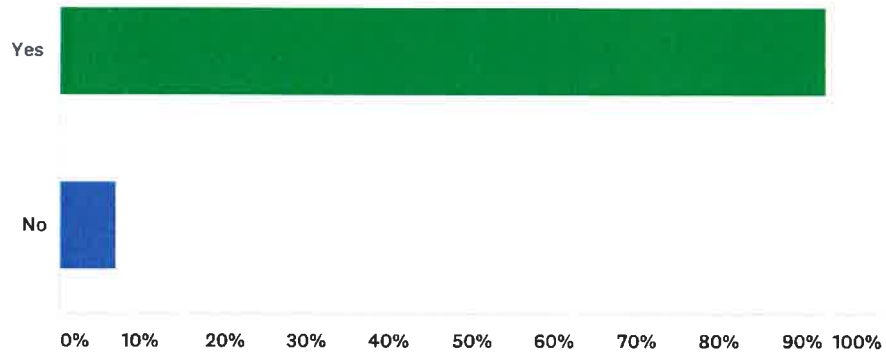


ANSWER CHOICES	RESPONSES	
Yes	85.15%	86
No	14.85%	15
TOTAL		101

#	COMMENTS:	DATE
1	The emails are helpful and the website is full of info	8/29/2017 6:30 PM
2	Keep up the great communication.	8/27/2017 12:12 PM
3	Sometimes have lake activities planned that have to be cancelled due to short notice of treatments.	8/21/2017 9:14 AM
4	We need a web page for ways we can help clean up the lake. Like can we remove cattails? best way to remove weeds from shore for swimming/boating activities etc.	8/16/2017 12:10 PM
5	But you can't make people read it.	8/16/2017 7:22 AM
6	Not hearing anything new about water lily problem.	8/15/2017 7:26 PM
7	The e-mails before the treatment are helpful, in addition to the paper notices.	8/15/2017 6:19 PM
8	Keep up the good work - it's appreciated.	8/15/2017 1:03 PM
9	Maybe mention how often the orange weed harvester is in use.	8/15/2017 12:02 PM
10	I would appreciate some direction on when to put weeds gathered from the lake out to the road to be collected.	8/15/2017 10:32 AM
11	As a long time resident, the lake has vastly improved over the years.	8/15/2017 9:42 AM
12	Are the Water Management meeting reports available on-line?	8/15/2017 9:38 AM
13	It does not seem the lake is being treated near my house	8/15/2017 9:38 AM
14	In general yes,	8/14/2017 10:40 AM

Q10 Are you signed up to receive e-mail notifications from the Village?

Answered: 101 Skipped: 0



ANSWER CHOICES

Yes

No

TOTAL

RESPONSES

93.07%

6.93%

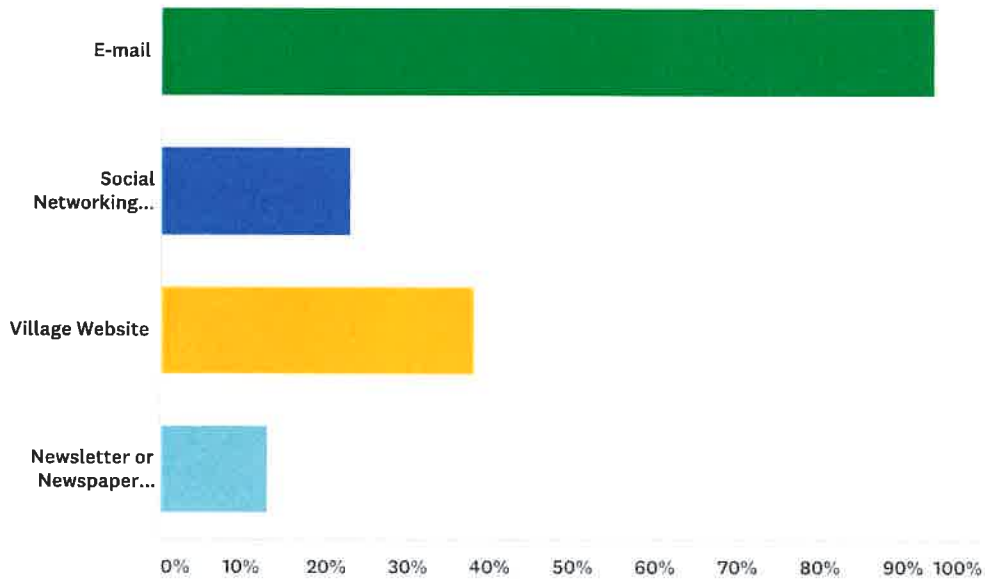
94

7

101

Q11 How would you prefer to receive lake-related updates, news, and information?

Answered: 100 Skipped: 1



ANSWER CHOICES

RESPONSES

E-mail	94.00%	94
Social Networking Pages	23.00%	23
Village Website	38.00%	38
Newsletter or Newspaper Article	13.00%	13
Total Respondents: 100		



Village of Wolverine Lake www.wolverinelake.com

425 Glengary, Wolverine Lake, Michigan 48390-1404 (248) 624-1710 Fax (248) 624-3536

This Q&A is intended to address some of the common questions and comments that are shared by respondents. Thanks to everyone who took the survey!

Q & A Following 2017 Water Management Board Survey

Q: Why don't we use the harvester more?

A: From the end of May to September 21, the harvester was in use for 65 hours. More harvesting will occur as needed in September and as late as October. It normally operates 2-3 times a week. We did have to cancel two outings this year due to a mechanical problem, but that was been fixed. We also avoid harvesting during inclement weather, especially wind, and on days when chemical treatments are scheduled. In 2016, we harvested for a total of 137.5 hours, which was twice as much as 2015. Each year is different, but we will continue to utilize a mix of harvesting and chemical treatments to manage the condition of the lake. Also, please understand that certain types of weeds cannot be harvested because their fragments re-establish in the lake and that results in more growth of invasive weeds.

Q (statement): We couldn't swim in the water for six weeks because of treatments!

A: This is incorrect. There have been six treatments from late May to the end of August. Each treatment has a one day swimming restriction. So there were six days over three months when swimming is prohibited due to a lake treatment. Please note that none of the chemicals approved for use in the state of Michigan are unsafe for swimmers, but the state Department of Environmental Quality requires the one day restriction as an added safety precaution and to ensure that swimmers don't interfere with chemical's impact on weeds. More info on this topic can be found on the attached Risk/Benefit Information article.

Q: Why is the Village spending money taking care of the lake but not spending any money improving the beaches?

A: The Village does not own or maintain any beaches around the lake. Those are privately owned by subdivision associations. Concerns should be directed to the appropriate association.

Q: When can I put out weeds that I rake from my shore for collection?

A: Lake weeds can be picked up weekly as part of yard waste collection service in the Village. They do need to be bundled or bagged appropriately as yard waste. There is not a separate

program to specifically collect lake weeds, but yard waste service runs annually from April to November.

Q: Aeration (“the bubblers”) seems like it is not working and is a waste of time. Are they doing any good?

A: Some residents have reported vastly improved conditions and credit aeration for this. Others believe they are not doing anything at all. The Village is in year 4 of a 5 year aeration pilot program. The Water Management Board is reviewing data and is in discussions with the Michigan Department of Environmental Quality regarding this topic.

Q: What can be done about lily pads?

A: Lily pads were targeted specifically during a treatment on August 29. Lily pad treatments are most effective if done in late August or September when they are actively storing carbohydrates in their roots. The Michigan Department of Environmental Quality limits the amount of lily pad treatment and only recommends that it be done when they are causing navigational problems.

Q: Why can’t treatments be planned further in advance so we can know about the restrictions sooner?

A: Our lake consultant typically plans a treatment within a few days following each lake survey. The treatments need to happen quickly so we are treating the actual weed conditions that are viewed during each survey. If treatments are delayed to allow for more notice, the conditions of the weeds may change during that timeframe and could make the treatment ineffective. We always try to provide at least 48 hours of notice prior to each treatment via our e-mail notification. We do put the lake survey schedule on our website (<https://www.wolverinelake.com/Pages/Lake-Treatment.aspx>) and that can be used to get a general idea of when treatments are likely to occur.

Risk/Benefit Information

What is a Pesticide?

A pesticide is any substance or mixture of substances intended to control pest infestations. The word pesticide covers a broad range of products that control a wide range of pests. Pesticides may be broken down into categories of products (herbicides, insecticides, fungicides, pesticides, miticides and rodenticides). There is also another category known as plant growth regulators (PRG). In the world of aquatic plant management, herbicides and algaecides are the most commonly used pesticides.

The Dose Makes The Poison

"Solely the dose determines that a thing is not a poison," observed Paracelsus, the father of modern toxicology, more than 400 years ago. Paracelsus was right. Prescription drugs, for example, are therapeutic if taken in small doses, but can be dangerous if abused or taken in overdose proportions. Pesticides, like antibiotics are effective when used in the right circumstances, but can become a threat to the environment or even human health if improperly used. Just as in medicine, the risks inherent in a particular pesticide must be weighed against the benefits gained from its measured use.

RELATIVE TOXICITY OF CHEMICAL SUBSTANCES*	
	Acute Oral - Rate LDC/50 - mg/kg
Fluindone	10,000
Glyphosate	5,800
Table Salt	3,000
Aspirin	1,000
2,4-D (DMA)	300-1000
Copper Sulfate	300
Diquat	290
Endothal	192
Caffeine	53
Nicotine	53
Sodium Cyanide	8.4

Less Toxic
↓
More Toxic

* From AQUAPHYTE, Volume 6, No. 1

Why are Pesticides Used?

Pesticides (Herbicides/Algaecides) are used to improve and maintain the recreational uses of water; a well maintained lake or pond may increase the value of your property. Aquatic pesticides can also improve the overall aquatic eco-system. A lake or pond that is choked with aquatic weeds can lead to stunted fish populations, stagnant waters, and low oxygen levels. Certain types of algae can be toxic to man, fish and other aquatic life. Pesticides are used to bring a balance back into the aquatic ecosystem. It is important to know that all plants are not weeds. Therefore, no aquatic management plan should attempt to eliminate all plants from the aquatic system. Aqua-Weed Control Inc. will recommend a program that both reduces

nuisance aquatic plants (usually non-native plants) to provide cover and food for aquatic organisms that depend on plants and algae for their existence. It is very important for lake group leaders to understand and to communicate to other lake front property owners that the best approach to aquatic plant management is a balanced approach and that, for the most part, the goal should be to control non-native aquatic plants while encouraging, and only minimally managing, the growth of native aquatic plants.

It should also be noted that the Michigan Department of Environmental Quality (MDEQ) regulates the type and amount of aquatic plant species that can be removed from a lake.

Toxicology

Toxicity is the measure of a substance's ability to cause harm. The risk associated with harmful substances is a combination of toxicity of a substance and the amount of exposure to the substance. In the case of aquatic herbicides both the toxicity and exposure are minimal. Most aquatic herbicides are mixed with water and evenly applied over the surface of the water. Dilution soon effects concentration of an herbicide in the water. Take the case of Reward (formerly Diquat), when applied at two gallons per surface acre (43,435 square feet) a 150 pound person would need to consume 3,750 to 7,500 gallons of treated water immediately after application, or 375,000 to 750,000 gallons of treated water within 10 to 14 days post treatment to ingest enough diquat dibromide to achieve a lethal dose concentration fifty percent of the time.

Pesticide Classification.

Pesticides are given a classification upon registration (approval to be used) with the Environmental Protection Agency (EPA). There are two broad classifications of pesticides as established by the EPA. The first classification is general use pesticides. These are considered lower in risk and are available for sale and use by the general public. Examples would be herbicides for dandelion control, weed and feed fertilizers, copper sulfate, Aquathol-K and Aqua-Kleen. The majority of herbicides used in aquatics are for general use. The second classification is restricted use pesticides (RUP'S). These products include Reward and Hydrothol. Only state certified and trained professionals can purchase these herbicides. The Michigan Department of Agriculture currently certifies Commercial Pesticide Applicators, pursuant to Act 171 of Public Acts of 1976 as amended.

Environmental Fate

Many questions are asked about what happens after a pesticide is used in a lake or pond. Generally, pesticides break down rapidly in the environment, usually within a few days. Depending on the products used, a combination of sunlight, water chemistry, microbial action, and plant up-take break the pesticide down into natural components. Some pesticide ingredients eventually bind with sediments and are no longer available as an herbicide.

Regulations

Currently professional lake managers are regulated by two different agencies. The Michigan Department of Agriculture provides licensing and certification of commercial applicators. The applicator can then provide services for hire. In the case of public waters, the Michigan Department of Natural Resources and Environment provides permits of nuisance aquatic plant control using herbicides.

Department of Agriculture (MDA)

The Department of Agriculture mandates that any company offering aquatic weed control service must have both a commercial license and personnel with pesticide applicators certificate. For certified applicators to maintain their license they must either participate in a MDA approved continuing education course or take a written exam every three years. They may also attend conferences and meetings that present the latest research concerning aquatic pesticides, proper usage, and new application techniques within the industry. One such group in Michigan is the Midwest Aquatic Plant Management Society that holds its annual meeting in March.

The MDA also determines what pesticides are allowed for use in of Michigan. All pesticides used in Michigan must be registered with the MDA and the EPA. If you have a question about a particular pesticide, contact your professional lake manager or contact the MDA, Plant & Pesticide Management Division, in Lansing (517-373-1087).

Department of Environmental Quality

The Department of Environmental Quality (MDEQ) provides permits for herbicide applications in public waters. Besides your commercial applicator, the MDEQ Inland Lakes and Remedial Action Unit can answer questions regarding which water bodies may require a permit and the permit process (517-241-1300).

Product Registration

All products are regulated by EPA and must maintain registration with the agency. The EPA determines if a product will be a general use product or a restricted use pesticide. This is an ongoing process. EPA may at anytime ask for additional data related to a given product and may request to see any data that a company has on any registered product. Companies are required to keep all data on a pesticide for the life of the compound. This means that with older compounds they may have to keep data that is over 50 years old and be able to provide it to EPA on request. Registration and re-registration of a compound is estimated to cost the producer between 2.4 and 4.0 million dollars. The cost of research and development for new products is typically between \$30 and \$70 million dollars before the first unit can be sold commercially.

Common Sense

All pesticides can cause harm at some level of use. However, applications will be made where there is little chance for direct exposure to an herbicide in its concentrated form to anyone who is not a pesticide applicator. If a treatment of your lake or pond has been done, and you cannot find a notice indicating that any water use restrictions have been placed on the water, call your professional lake manager and ask what was done and if any precautions need to be taken. It should be noted that there are two distinct categories for treatments to control the nuisance growth of aquatic plants and algae. The first category is treatment for control of submerged plants. These treatments normally are done using herbicides that place water use restrictions on treated areas of the water body. The second category is algae control treatments. These treatments are almost always done using a copper based herbicide. Copper based herbicides/algacides place no water use restrictions on the treated waters.

Water Use Restrictions

The use of aquatic herbicides can result in water use restrictions being placed on waters that have been treated. These restrictions are listed on the product labels and/or added by the MDEQ as an added safety measure. These water use restrictions may include; a no swimming restrictions (added by the MDEQ) and/or no fish consumption and/or irrigation restrictions. When an application is done signs are posted along the area that was treated. These signs should include the name of the pesticides used, the date of application, any restrictions that apply, and the name address and phone number of the company or person that applied the pesticides. If you should inadvertently use the water, and then find out an application was done and water use restrictions are in effect, call your professional lake manager. The likely hood of damage or harm is remote because the volume of water where the pesticide is applied will dilute the chemical to the point that it is not a threat to animals or your landscaping.

Please note that none of the products currently approved in Michigan list a swimming restriction on their labels. However, the MDEQ requires a 24 hour no swimming restriction posted when "plant killing" herbicides are applied. The MDEQ does this as an added safety measure and to prevent swimmers from interfering with the products ability to control the target plant/s.

If you have any questions or would like a specimen label or Material Data Safety Sheet please give your professional lake manager a call.



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