



Des Plaines River Watershed Workgroup

Lakes Subcommittee

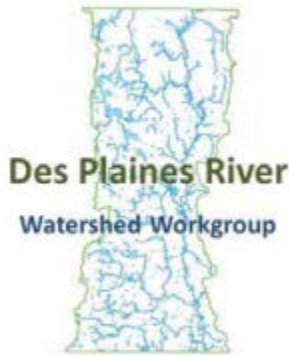
January 26th, 2017 Meeting Agenda

**10:00AM – Central Permit Facility, 500 W. Winchester Road,
Libertyville, IL, Room 1168**

OR

Join the call: 847-377-3200, then 8002#

1. Call the meeting to order
2. Agenda Changes/Approval
3. Approve Previous Meeting minutes
4. Public Comment
5. DRWW Impaired Waters and Monitoring Sites Map
6. DRWW draft workplan
7. Des Plaines River Watershed Planning Meeting, February 9
 - a. Lakes Panel
8. 2016 & 2017 Monitoring
9. Lake Questionnaire/Education
10. Lake Restorability Ranking
11. Data Needs/Gaps
 - a. Impairments, TMDLs, stream data
12. Recommendations to Executive Board
13. Next meeting – April 27th, 2017
14. Adjourn



**Des Plaines River Watershed Workgroup
Lakes Subcommittee
1/26/2017
Lake County Central permit Facility
500 W. Winchester Road, Libertyville, IL 60048
Meeting Minutes**

Present: Mike Prusilla (SMC), Rob Flood (North Shore Reclamation District/Gages Lake), Nick Huber (LCFPD), Gerry Urbanozo (LCHD), Jeff Laramy (SMC), Beth Adler (DRWW Technical Committee), Alana Bartolai (LCHD), Tom Morthorst (Third Lake)

1. Call the meeting to order: Mike Adam called the meeting to order
2. Approve agenda for the meeting. Mike Prusilla made a motion to approve the agenda , Rob Flood seconded the motion. The motion passed unanimously.
3. Motion to approve previous meeting minutes. Alana Bartolai made the motion to approve the minutes, Rob Flood seconded. The motion passed unanimously.
4. Public Comment:
 - a. In the future it would be beneficial to have a public meeting where all lake associations are invited and Lakes Committee presents updated information (data) and receive input.
5. Review of ILMA POD from HAB Aquatic
 - a. Good turnout at the ILMA POD on 1/25/17 at the Wauconda Moose Lodge. Interesting topic on alum treatments for water quality with Lake Barrington example
 - b. Questions still remain: Shallow lake's – plant response?, pH and chemical reactions of alum treatments? Can associations afford the cost?
6. DRWW Impaired Waters and Monitoring Sites Map (Presented by Jeff Laramy SMC)
 - a. SMC created an impairment and monitoring site map that is now available on the website.
 - b. Map shows 305b and 303d reaches and lakes
 - i. Question: Does 305b list impairment? Only see causes on the list
 - c. Flow data also on map – USGS flow monitoring sites links to USGS website
 - d. This map can be adjusted throughout time – for instance if we want a layer that shows lakes with phosphorus impairments, different layers with different data sets – streams, lakes, fish/macros, lake contacts, etc.
7. DRWW Draft Workplan (Presented by Beth Adler)
 - a. Make sure Lakes Committee has some input into workplan. Workplan presented at Feb 16th in draft form at annual meeting – any comments need to send to Beth soon
 - b. 4 strategies in the Watershed Plan mostly developed during executive board meeting
 - i. Monitoring/assessment
 - ii. Regulatory Relationships/Permits
 - iii. WQ Improvement projects – Planning & Implementation
 1. Need to make sure we include lake projects
 - iv. Leadership & Engagement

- c. After Workplan is finalized, next step is developing action items. Workplan is a 5 year timeframe.
- 8. What is objective for Lakes Committee?
 - a. Most updated data for lakes in DRWW
 - b. Making recommendations for projects identified in the watershed or in the lake itself
 - c. Providing list of projects to watershed plan.
 - d. How do we prioritize projects and feasibility?
- 9. Des Plaines River Watershed Planning Meeting, Feb 9th
 - a. Lake's Panel
 - b. Present some of the DRWW info
- 10. 2016 & 2017 Monitoring
 - a. No update
- 11. Lake Questionnaire/Education
 - a. Mid February send out questionnaire to lake associations
 - b. Mid March compile results
 - c. Comments for Survey:
 - i. Add lake name
 - ii. Erosion
 - iii. Lake Management plan: who wrote it/last time updated revised
 - iv. Add impairment to list and see what lake owners feel
- 12. Lake Restorability Ranking
 - a. Table from Holly Hudson/Mike Adam
 - b. This type of analysis may help us prioritize projects
- 13. Data Needs/Gaps
 - a. Impairments, TMDLs, stream data
- 14. Recommendations to Executive Board
 - a. Give list of lakes with impairments, what the impairments are for each lake, and list of projects. Projects can be summarized from LCHD reports and input from associations— this needs to be in the watershed plan by SEPTEMBER. If your projects are not in the watershed plan – it will not be updated for another 10 years so your chance of funding is limited.
 - b. General lake management issues that affect lakes more broadly:
 - i. Education plans
 - ii. Chloride Management Plans
 - iii. Sediment Erosion
 - iv. Lake Management Structure
 - v. Grants
 - c. Any monitoring money available for lake? Fine tuning monitoring (inlets, in-lake nutrients/sediment cores). Many lakes are in the MS4 townships. Maybe come up with a list of lakes that would be good.
- 15. Next meeting – April 27th, 2017
 - a. Might need more meetings
 - b. Some meetings could be “working meetings”
 - c. Localized Lake County Meeting – Lake association, is there a need for lake associations to have a format to connect with each other?

Other issues:

- IL EPA requirements for impairment list is outdated and doesn't really reflect true water quality. Might be worthwhile to meet with IL EPA and others involve and discuss changes in how these impairments are listed (i.e. beach e.coli data)
- Lake homeowners/associations always have issue finding funding. More information about potential grant opportunities or how the DRWW process may increase their likelihood to fund projects on their lake would be a good educational effort.
- Information for lake owners to understand construction & erosion -who to call if they don't see silt fences, etc.
- Some committee members would like to seemore representatives from every impaired water body.

Motion to Adjourn: Accepted by Mike Prusilla, Second by Rob Flood



Des Plaines River Watershed Workgroup

Lakes Committee Meeting

4/27/2017

10:00 - 11:00 AM

500 W. Winchester Road, Room 1168, Libertyville, IL

Agenda

Join the call: 847-377-3200, then 8002#

1. Call the meeting to order
2. Public Comment
3. Items added to the agenda
4. Des Plaines Lake Public Meetings
5. ILMA Lakes Conference and Workshop
6. Old Business
 - a. Lakes Questionnaire
 - b. Lake Recommendations/Priorities for Watershed Plan
7. Other Business
8. Next Meeting – July 27th, 2017
9. Adjourn



**Des Plaines River Watershed Workgroup
Lakes Subcommittee
4/27/2017
Lake County Central Permit Facility
500 W. Winchester Road, Libertyville, IL 60048
Meeting Minutes**

1. Call the meeting to order: Mike Adam called the meeting to order.
2. Approve agenda for the meeting. Rob Flood made a motion to approve the agenda, Alana Bartolai seconded the motion. The motion passed unanimously.
3. Motion to approve previous meeting minutes. Rob Flood made the motion to approve the minutes, Alana Bartolai seconded. The motion passed unanimously.
4. Public Comment:
 - a. No public comment
5. Des Plaines Lake Public Meetings
 - a. Since last lakes committee meeting, the Lakes Committee presented at the DRWW annual meeting and an additional night meeting
 - i. Evening meeting was not well attended, but the panel discussion at the DRWW went really well.
 - ii. Press write-up was good.
 - iii. Future panel discussion with different lakes. Lakes Committee could co-chair an ILMA POD or similar type of event/discussion.
 - b. Future Meetings/Presentations
 - i. Rob Flood suggested a meeting on highlight mechanically removing weeds as an alternative to chemical herbicides. This could be a demonstration at a lake and in coordination with ILMA PODs. Rob offered Wildwood Park District as a host for the meeting. POD recommended for early June.
 - ii. Steve Mccomis from Minnesota has a review of different removals methods, can review his work for meeting.
6. ILMA Lakes Conference and Workshop
 - a. Held March 31-April 1st
 - b. Lake Management Planning Workshop well attended – 45 attendees
 - c. Lake management plan should be in all recommendations for lakes.
7. Old Business
 - a. Lake Questionnaire
 - i. Will send out on SurveyMonkey group.
 - b. Lake Recommendations/Priorities for Watershed Plan
8. Other Business:
 - a. Zebra mussel monitoring
 - i. Mike & Jim had a meeting with College of Lake County to discuss potential for a small project to monitor Zebra Mussels on Third Lake.

- ii. Three buoys in Third and three buoys in Druce have been proposed to Village of Third Lake in the no-wake areas (~150 ft of shoreline)
 - iii. Goal is to get College of Lake County to incorporate this.
 - b. Lake Load calculations
 - i. Many models are available and it's important to discuss with DRWW contractors if they will be incorporating any lake models in their analysis.
 - 1. WiLMs
 - 2. Canfield-Bachman (shallow lakes)
 - ii. Chris Yoder/Salt Creek Goal goal is it to improve biodiversity.
 - iii. Future conversation is needed with DRWW & consultant to discuss their role in modeling or if potential for staff at SMC or LCHD to analyze.
- 9. Other Items discussed
 - a. Beth Adler brought up that a lot of MS4s are <25,000 and don't see the interest in joining DRWW, but they will grow. We need to provide insight for watershed plan regarding areas that should be preserved and where development has not occurred yet.
 - b. Watershed plans should be incorporated in the comprehensive building & development plans. DRWW can play a role in educating the importance of this.
 - c. DRWW could have workshops to discuss importance of incorporating these watershed plans into development plans and how to be pro-active rather than reactive.
 - d. Chloride
 - i. Lakes Committee could tackle chloride as a project.
 - ii. Create GIS maps that show roads close to waterways where chlorides can be reduced.
 - iii. Can include in our list of recommendation
 - e. Large-scale green infrastructure: how do you manage green infrastructure.
 - i. Could be another workshop/presentation.
- 10. Next Meeting July 27th, 2017
- 11. Adjourn: Jim Bland made motion and Seconded by Nick Huber.

Committee Members Present:

Mike Adam, Lake County Health Department
Alana Bartolai, Lake County Health Department
Rob Flood, North Shore Water Reclamation District / Gage's Lake

Other Attendees:

Nick Huber, Lake County Forest Preserve District
Tom Morthorst, Village of Third Lake
Jim Bland, Village of Third Lake & Sierra club
Beth Adler, DRWW Technical Coordinator

Meeting Minutes submitted by Alana Bartolai, Lake County Health Department.



Des Plaines River Watershed Workgroup

Lakes Committee Meeting

10/26/2017

10:00 - 11:00 AM

500 W. Winchester Road, Room 1168, Libertyville, IL

Agenda

Join the call: 847-377-3200, then 8002#

1. Call the meeting to order
2. Items added to the agenda
3. Approval of 4/27/17 meeting minutes
4. Public Comment
5. Old Business
 - a. Lakes Questionnaire
 - b. Lake Recommendations/Priorities for Watershed Plan
 - c. Zebra mussel monitoring
6. Other Business
 - a. Lake load calculations (WiLMs or NorthWater)
 - b. Future monitoring
7. Next Meeting – January 25th, 2018
8. Adjourn

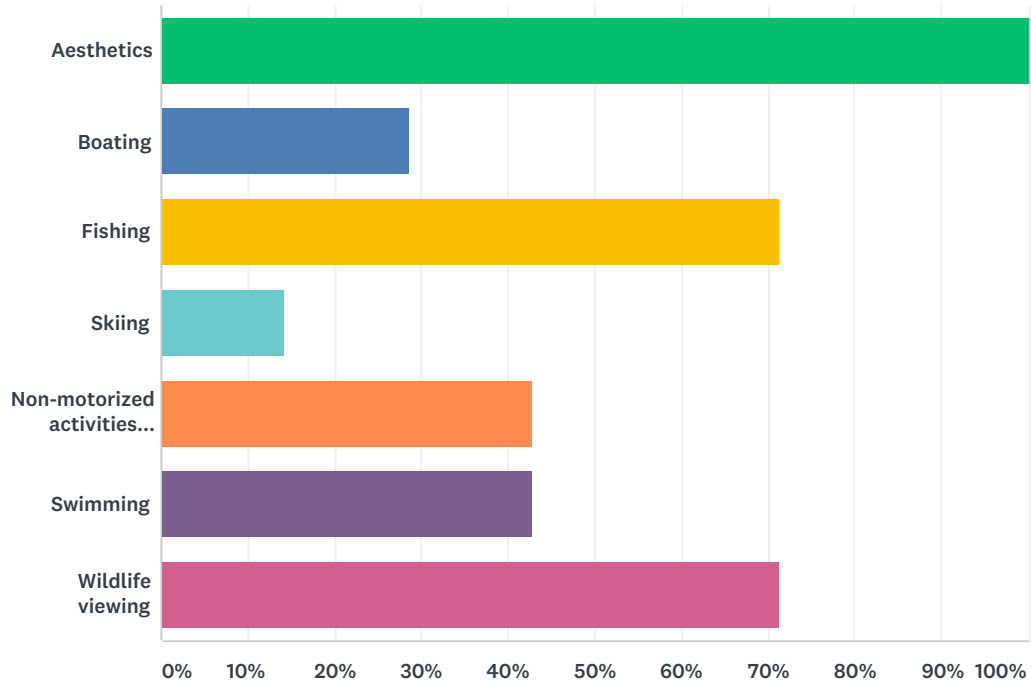
Q1 Please fill in your name and lake

Answered: 7 Skipped: 0

ANSWER CHOICES	RESPONSES	
Name	100.00%	7
Lake	100.00%	7

Q2 What are the major uses of your lake? Check all that apply.

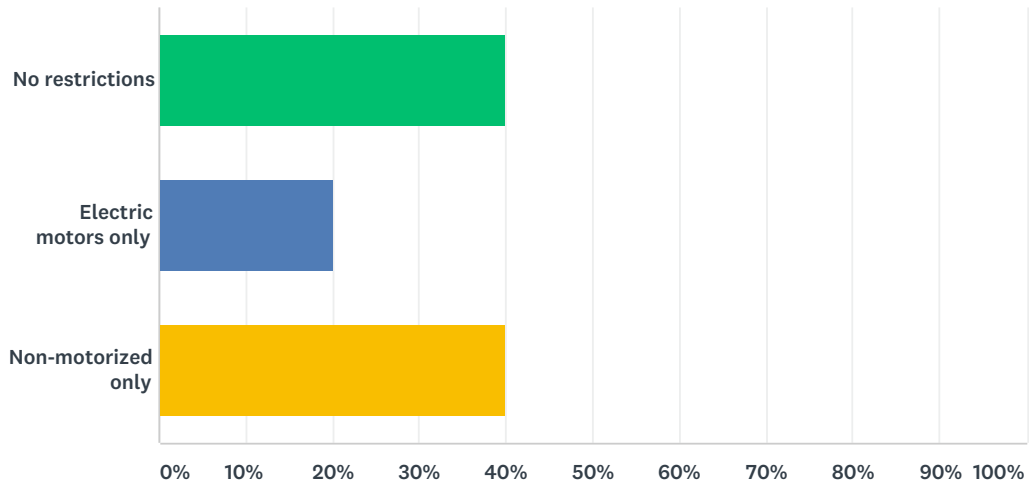
Answered: 7 Skipped: 0



ANSWER CHOICES	RESPONSES	
Aesthetics	100.00%	7
Boating	28.57%	2
Fishing	71.43%	5
Skiing	14.29%	1
Non-motorized activities (i.e., canoe/kayak/paddleboard/sailing)	42.86%	3
Swimming	42.86%	3
Wildlife viewing	71.43%	5
Total Respondents: 7		

Q3 Are there any restrictions on motors on your lake?

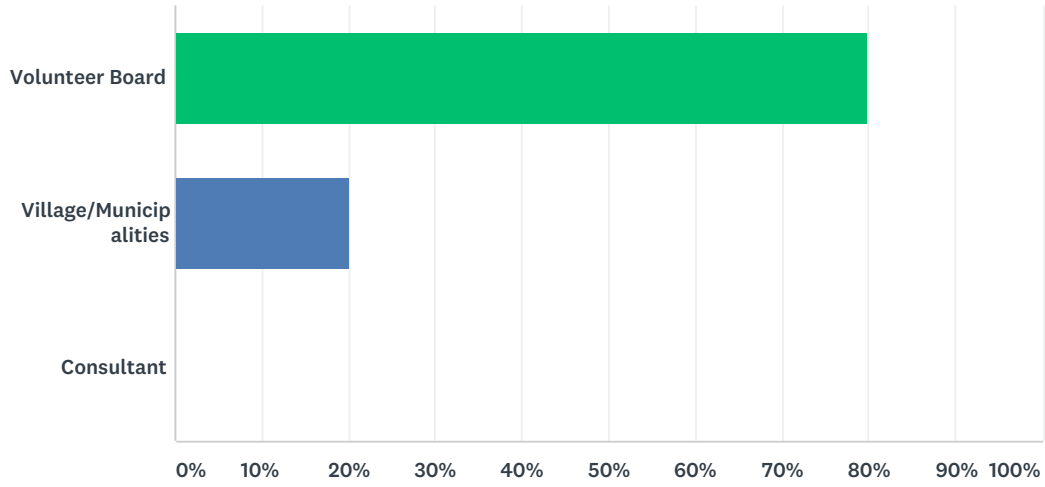
Answered: 5 Skipped: 2



ANSWER CHOICES	RESPONSES	
No restrictions	40.00%	2
Electric motors only	20.00%	1
Non-motorized only	40.00%	2
TOTAL		5

Q4 What is the current lake management structure?

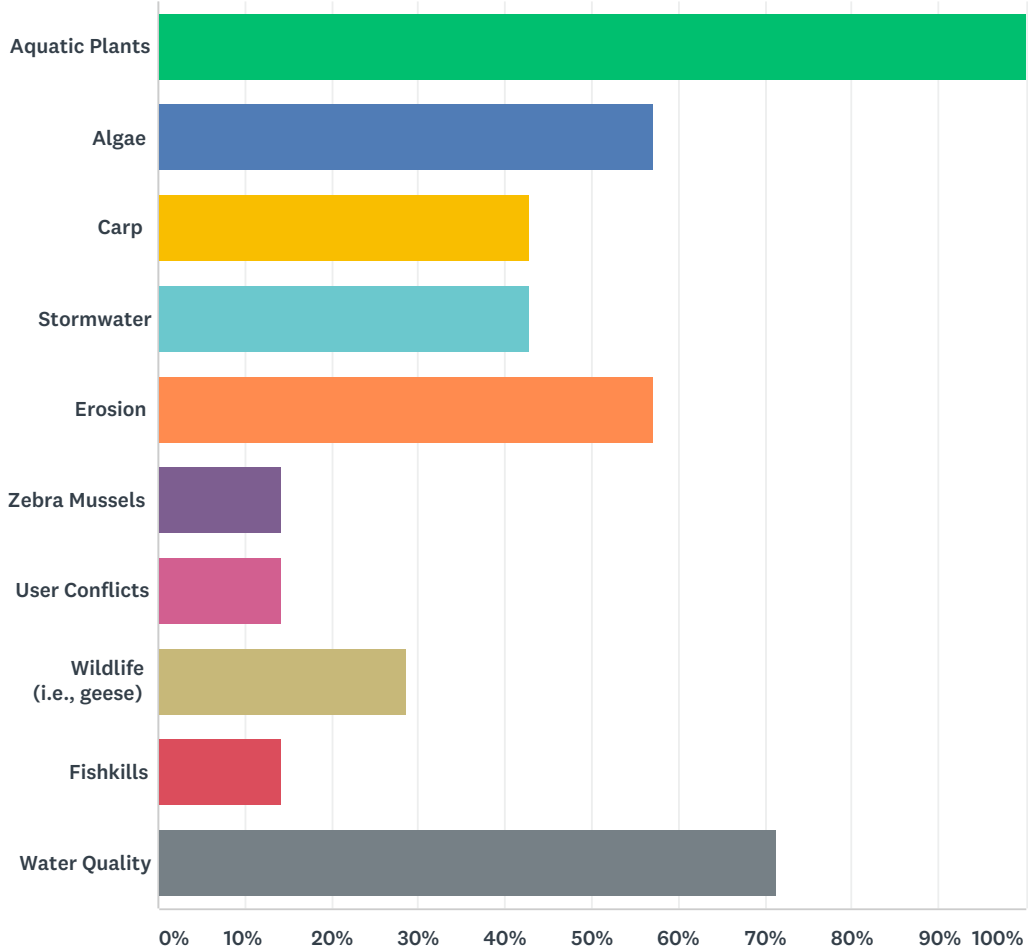
Answered: 5 Skipped: 2



ANSWER CHOICES	RESPONSES
Volunteer Board	80.00% 4
Village/Municipalities	20.00% 1
Consultant	0.00% 0
Total Respondents: 5	

Q5 What are your primary management issues? Check all that apply

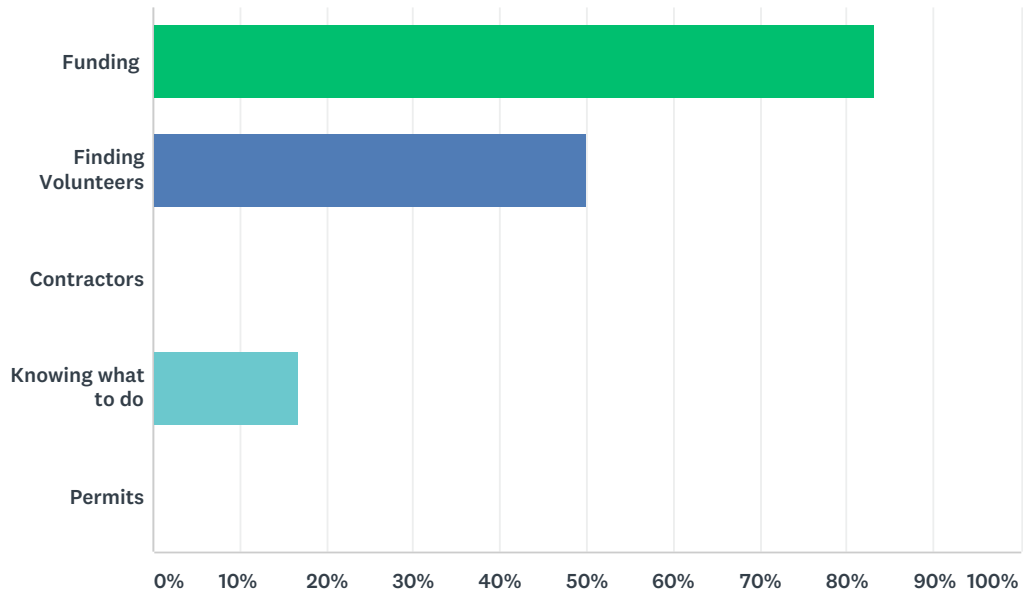
Answered: 7 Skipped: 0



ANSWER CHOICES	RESPONSES
Aquatic Plants	100.00% 7
Algae	57.14% 4
Carp	42.86% 3
Stormwater	42.86% 3
Erosion	57.14% 4
Zebra Mussels	14.29% 1
User Conflicts	14.29% 1
Wildlife (i.e., geese)	28.57% 2
Fishkills	14.29% 1
Water Quality	71.43% 5
Total Respondents: 7	

Q6 What are your most significant challenges? Check all that apply.

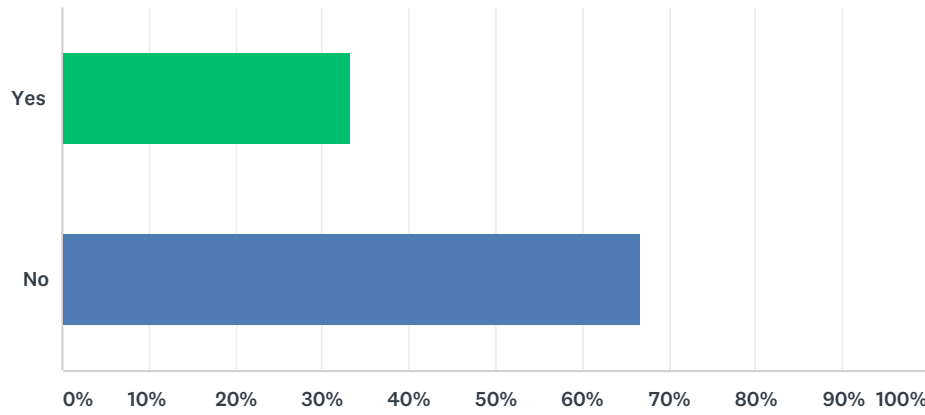
Answered: 6 Skipped: 1



ANSWER CHOICES	RESPONSES	
Funding	83.33%	5
Finding Volunteers	50.00%	3
Contractors	0.00%	0
Knowing what to do	16.67%	1
Permits	0.00%	0
Total Respondents: 6		

Q7 Does your lake currently have a lake management plan?

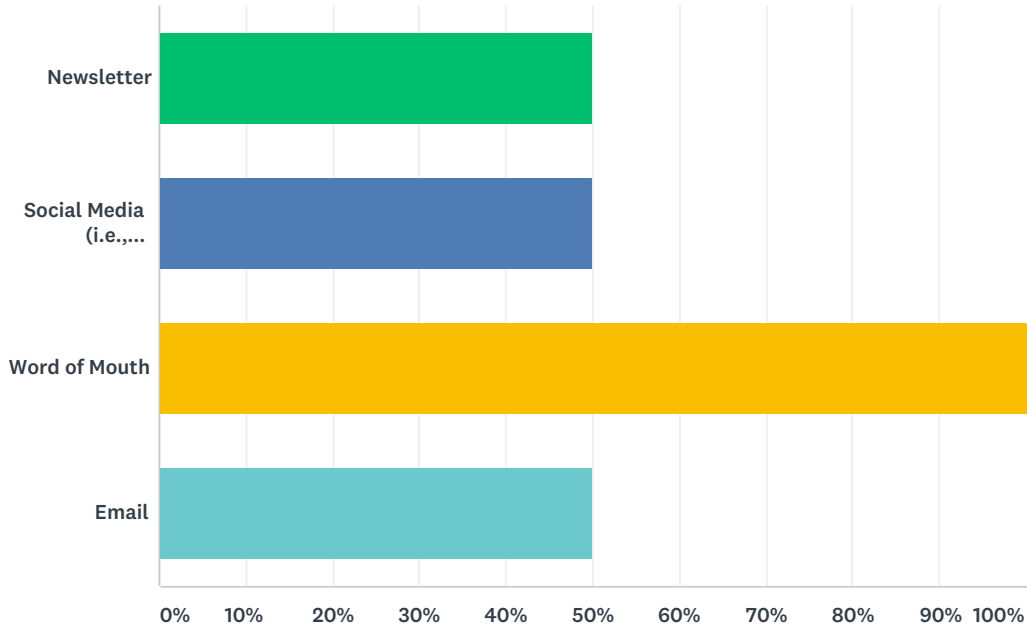
Answered: 6 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	33.33%	2
No	66.67%	4
TOTAL		6

Q8 How do you educate your lake residents?

Answered: 4 Skipped: 3



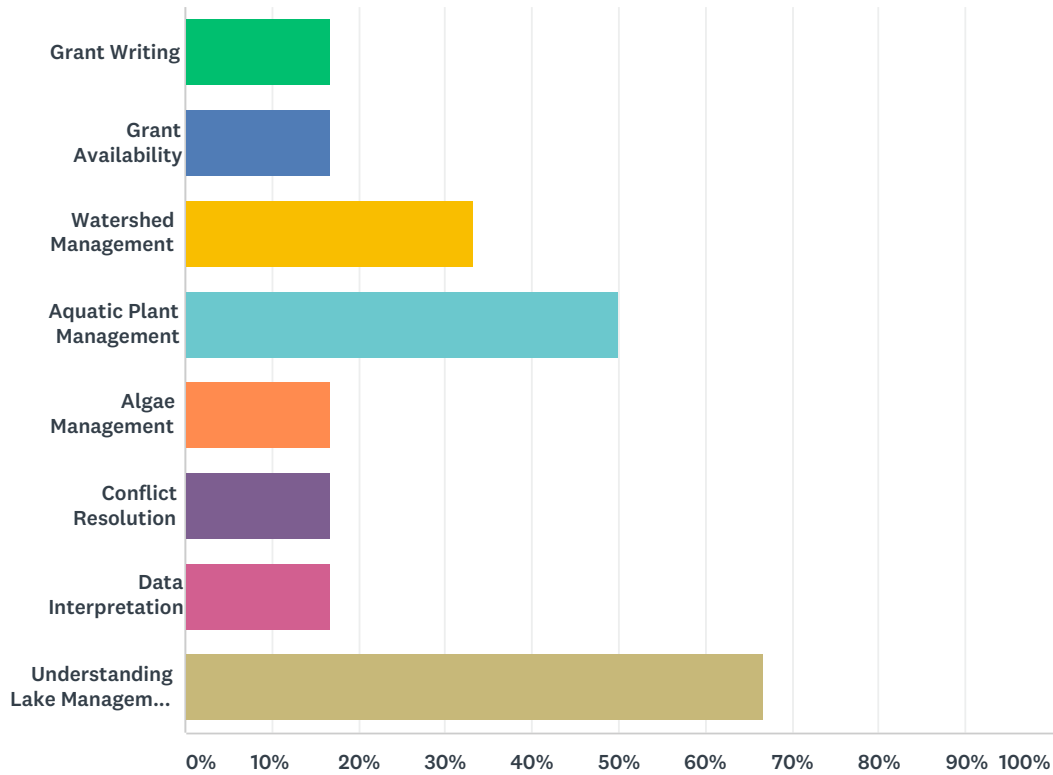
ANSWER CHOICES	RESPONSES	
Newsletter	50.00%	2
Social Media (i.e., Facebook, Twitter, etc.)	50.00%	2
Word of Mouth	100.00%	4
Email	50.00%	2
Total Respondents: 4		

Q9 In the last 10 years, have there been any specific management, improvement, or restoration projects implemented for your lake? If so, what projects? If not, why?

Answered: 5 Skipped: 2

Q10 What types of issues would you like assistance with? Check all that apply.

Answered: 6 Skipped: 1



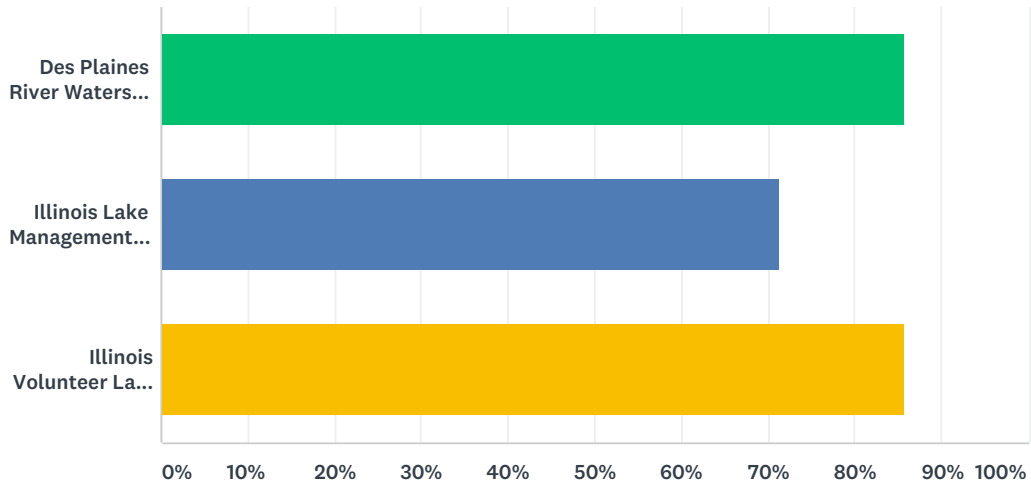
ANSWER CHOICES	RESPONSES
Grant Writing	16.67% 1
Grant Availability	16.67% 1
Watershed Management	33.33% 2
Aquatic Plant Management	50.00% 3
Algae Management	16.67% 1
Conflict Resolution	16.67% 1
Data Interpretation	16.67% 1
Understanding Lake Management (i.e., aeration, dredging, etc.)	66.67% 4
Total Respondents: 6	

Q11 How does your group fund Lake Management activities?

Answered: 6 Skipped: 1

Q12 Are you familiar with any of the following programs? Check all that apply.

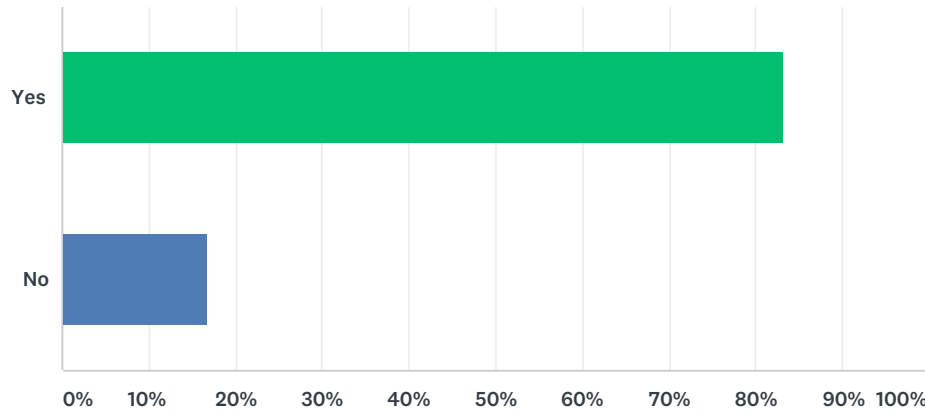
Answered: 7 Skipped: 0



ANSWER CHOICES	RESPONSES	
Des Plaines River Watershed Workgroup	85.71%	6
Illinois Lake Management Association	71.43%	5
Illinois Volunteer Lake Monitoring Program	85.71%	6
Total Respondents: 7		

Q13 Do you know if your lake is listed as impaired by Illinois EPA? See list of impaired waters.

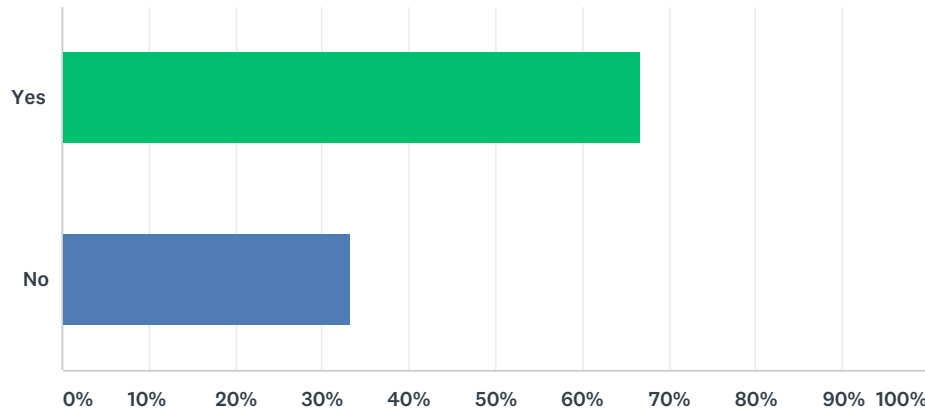
Answered: 6 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	83.33%	5
No	16.67%	1
TOTAL		6

Q14 If your lake is impaired, do you know what parameters it is listed impaired for (i.e., phosphorus, suspended solids, chloride)?

Answered: 6 Skipped: 1



ANSWER CHOICES	RESPONSES	
Yes	66.67%	4
No	33.33%	2
TOTAL		6

Q15 Please provide any other comments:

Answered: 4 Skipped: 3