

# LAKE ROESIGER DRAFT INTEGRATED AQUATIC VEGETATION MANAGEMENT PLAN COMMUNITY SURVEY RESULTS

10/26/2021

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Surface Water  
Management

Questions – Email [lakes@snoco.org](mailto:lakes@snoco.org) or call 425-388-3204

# Survey Outreach Efforts

## Snohomish County Efforts:

- Mailers – sent to all residents on the lake shoreline and surrounding streets
- 10/1 - First postcard mailed
- 10/15 - Second postcard mailed (in response to reports of post office delays)
- Email – multiple announcements sent to 133 subscribers Roesiger updates by Snohomish County
- Next Door – 2 posts announcing plan and meeting to Roesiger area neighborhoods

## Lake Roesiger Community and Boat Club Efforts:

- Multiple email announcements to membership (forward of County email)
- Facebook post
- Website updated with link to survey

### 1. How did you hear about the Lake Roesiger Plan? (Check all that apply)

[More Details](#)

● Postcard	55
● NextDoor	24
● Neighbor/Friend	37
● Email	74
● Other	36





## Be a part of planning Lake Roesiger's future

Your Input Needed  
Take the  
online survey  
by Oct. 24

- Review the draft plan and submit your feedback by Sunday, October 24
- Attend the online meeting on Tuesday, October 26 (see webpage for link)

Snohomish County's Surface Water Management division, with support from the Lake Roesiger community, has been working to develop a draft plan to address invasive aquatic plants. Learn about the plan, including:

- Options to reduce invasive aquatic plants
- Costs and potential benefits of options
- Steps the community could take to implement the plan

We need your input to select the best option and to identify the next steps.

- 1 By Oct. 24**  
Review the plan, watch the presentation and provide your feedback via the online survey.
- 2 On Oct. 26**  
Attend the online community meeting from 6:30-8:30 p.m. to help finalize the plan.
- 3 Oct. 28 – Nov. 10**  
Cast your vote via an online survey; link provided after the community meeting.

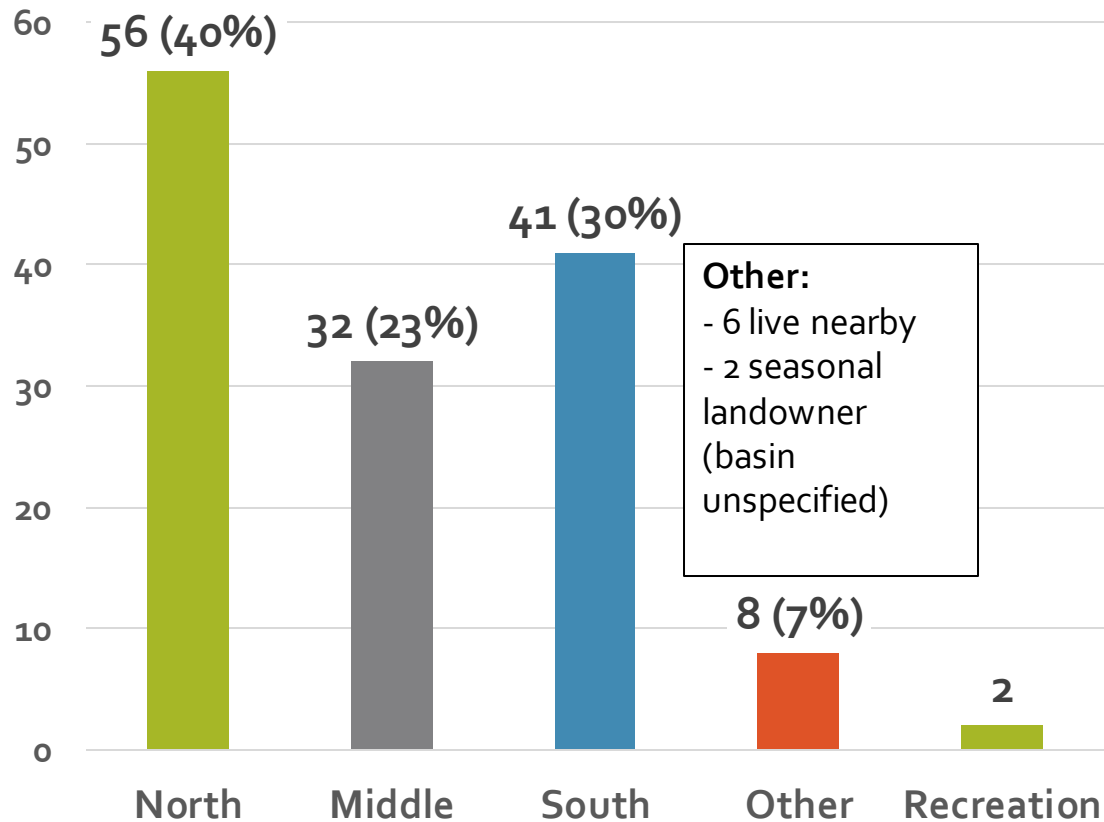
Visit [snohomishcountywa.gov/roesiger](https://snohomishcountywa.gov/roesiger) for details.

# RESPONSE RATE

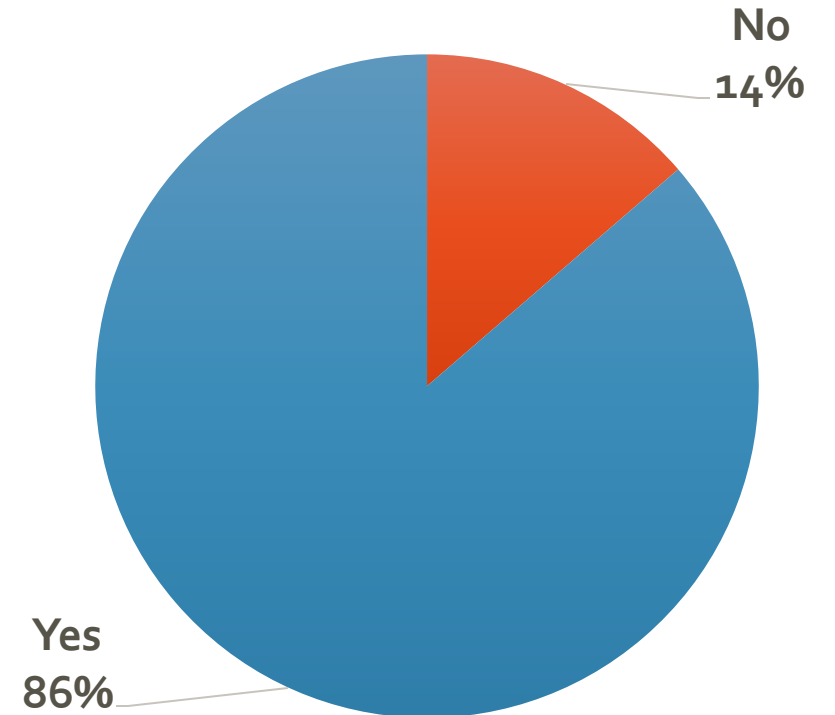
- There were 142 respondents
- There was around a 30% response rate for Roesiger shoreline landowners – this is a high survey response rate.
- Numbers based on approximately 463 shoreline parcels of which there are about 425 unique landowners

# Local Demographics

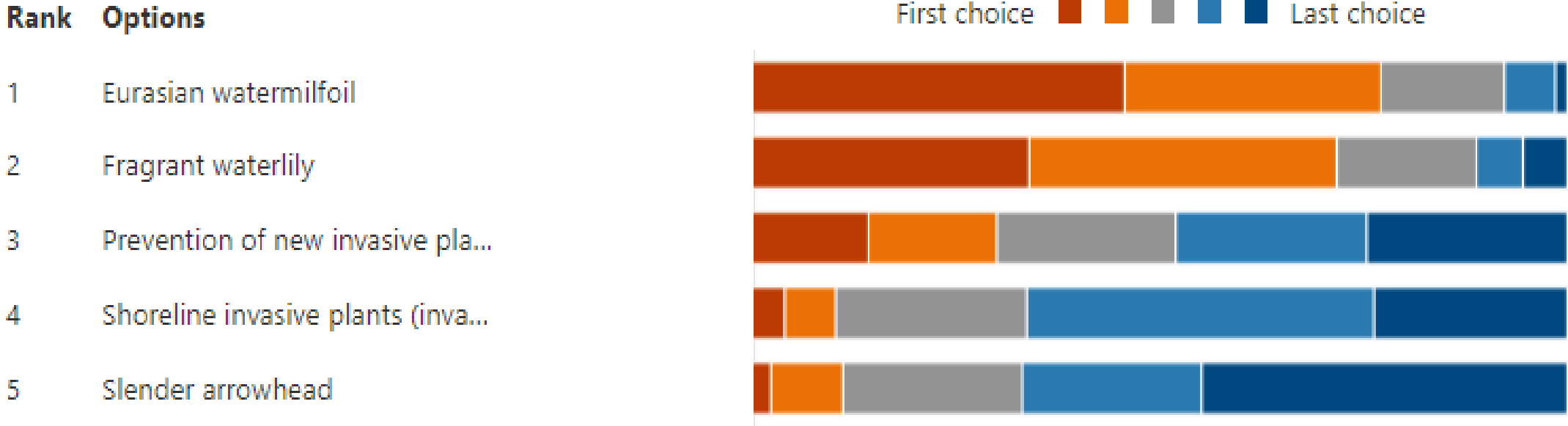
Please choose the option that best describes you?



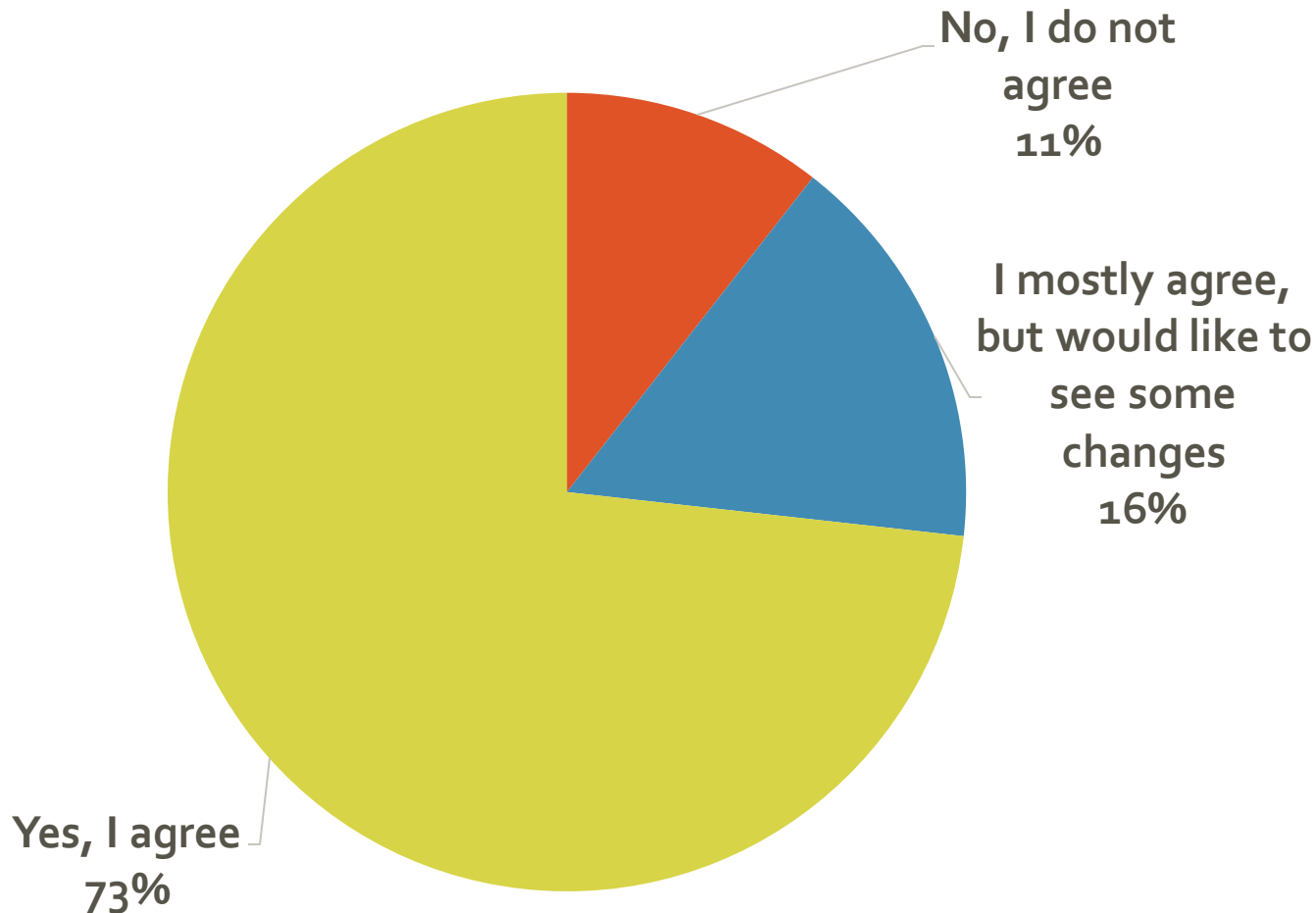
Are you a member of the Lake Roesiger Community & Boat Club?



Several invasive plants are found at Lake Roesiger. While the committee has ranked control of these plants in order of priority, we'd like to confirm this with the community. Please rank the following in order of importance to you with the top being the highest priority and the bottom the lowest.



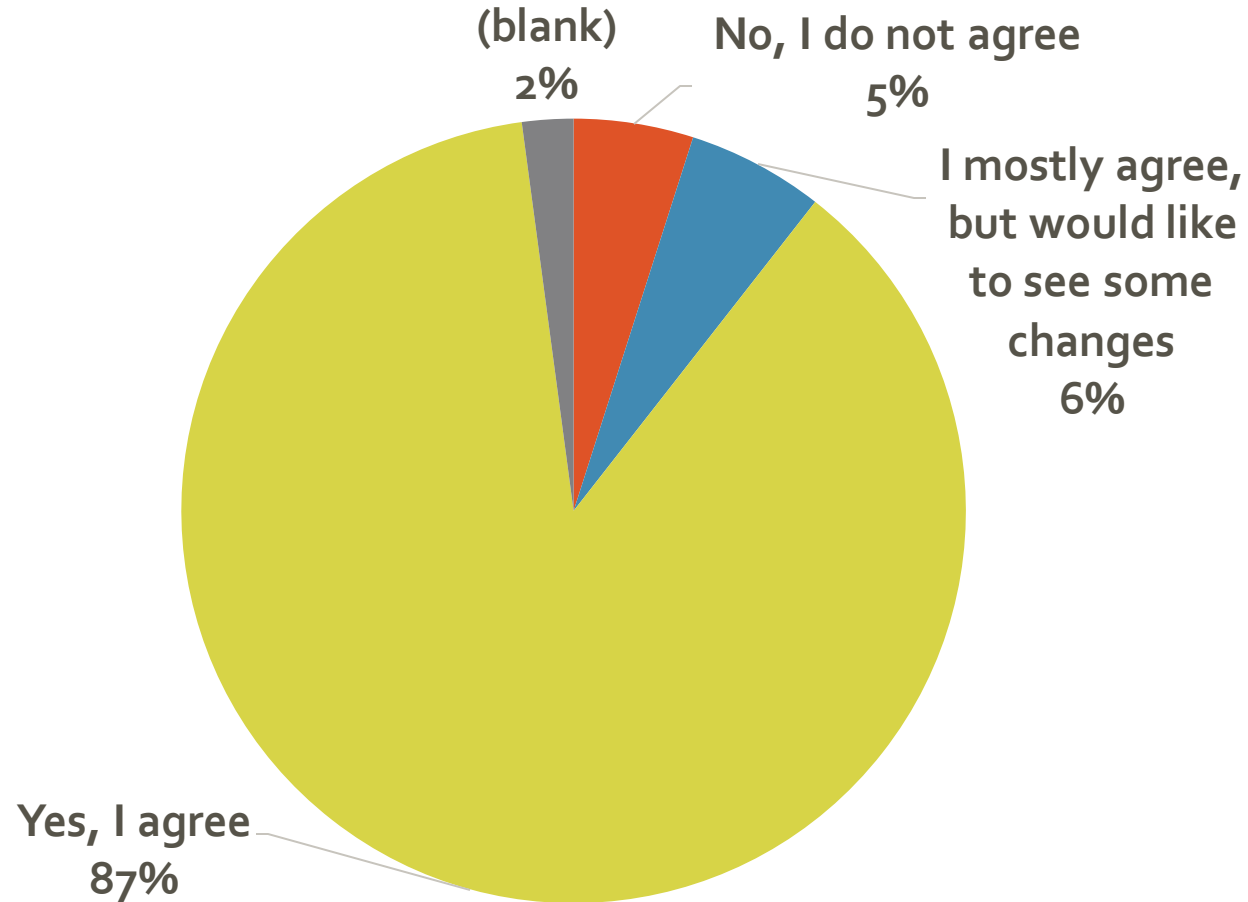
**Eurasian watermilfoil:** To achieve the proposed goal of eradication, the recommended control method is to continue diver hand-pulling but increase the frequency to a whole-lake annual survey until plants are not detected followed by monitoring. If the milfoil infestation dramatically increased, the chemical option ProcellaCOR is an additional recommended tool. Do you agree with this recommendation?



**Reasons for not supporting:**

- Do not agree with use of any chemicals (14)
- Too costly (2)
- Prefer use chemicals as first approach (2)

**Shoreline Invasives (invasive knotweed, purple loosestrife, yellow flag iris):** To achieve the goal of preventing further spread and reducing coverage, the recommended approach is to have individual landowners control plants on their properties which would be supported by education on plant identification and control methods. Education would include landowner workshops and outreach materials distributed via mailers, email and social media. Do you agree with this recommendation?

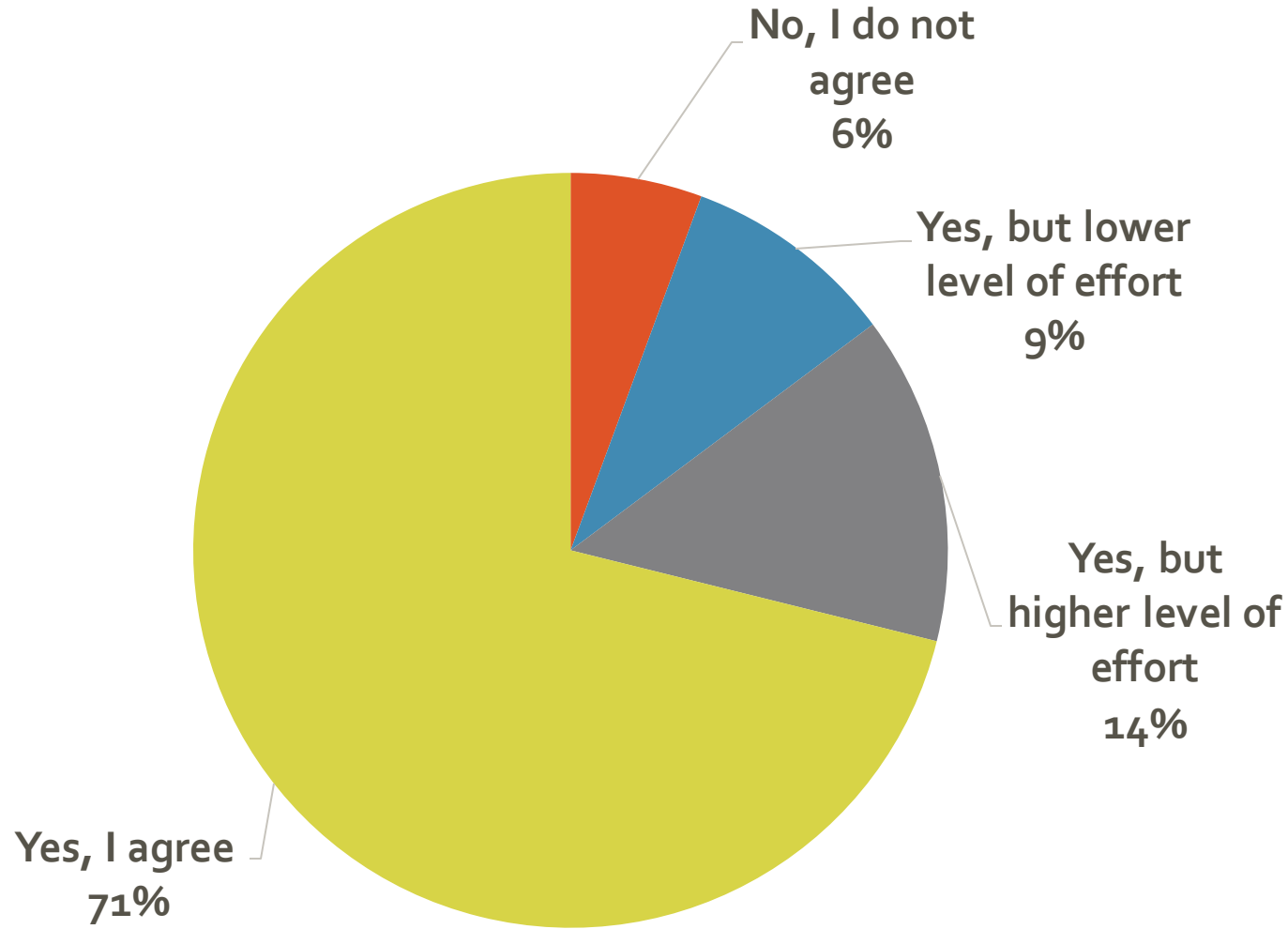


**Reasons for not supporting:**

- Should be professional approach not landowner (4)
- Too costly (2 respondents)
- Would like chemical option (1 respondents)

**Slender arrowhead:** To achieve the goal of preventing spread to other waterbodies and reducing current coverage, the recommended approach is to use Diver Assisted Suction Harvesting (DASH). An initial target of 20% per year was put forward. The committee has identified this as a lower priority plant, so this effort could be scaled up or down based on available funding.

Do you agree with this recommendation?



**Higher Level of Effort (16):**

- Creates problem - muck building up, swimming fish, other plants (6)
- Property owners can help (2)

**Lower Level of Effort (6):**

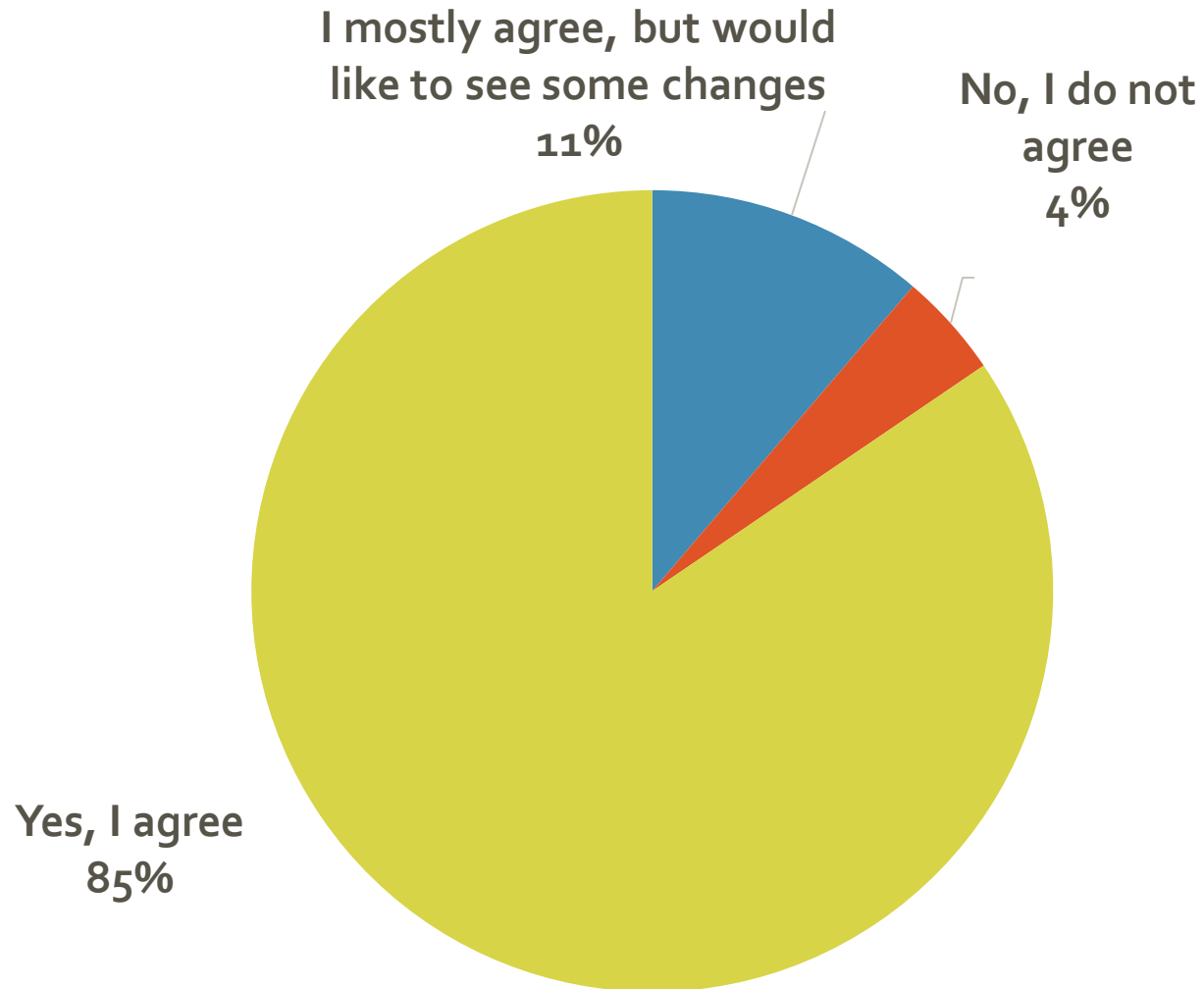
- Focus on higher priorities (2)
- Not a problem (4)

**Do not agree (6):**

- Prefer chemical approach (2)
- Cost (3)



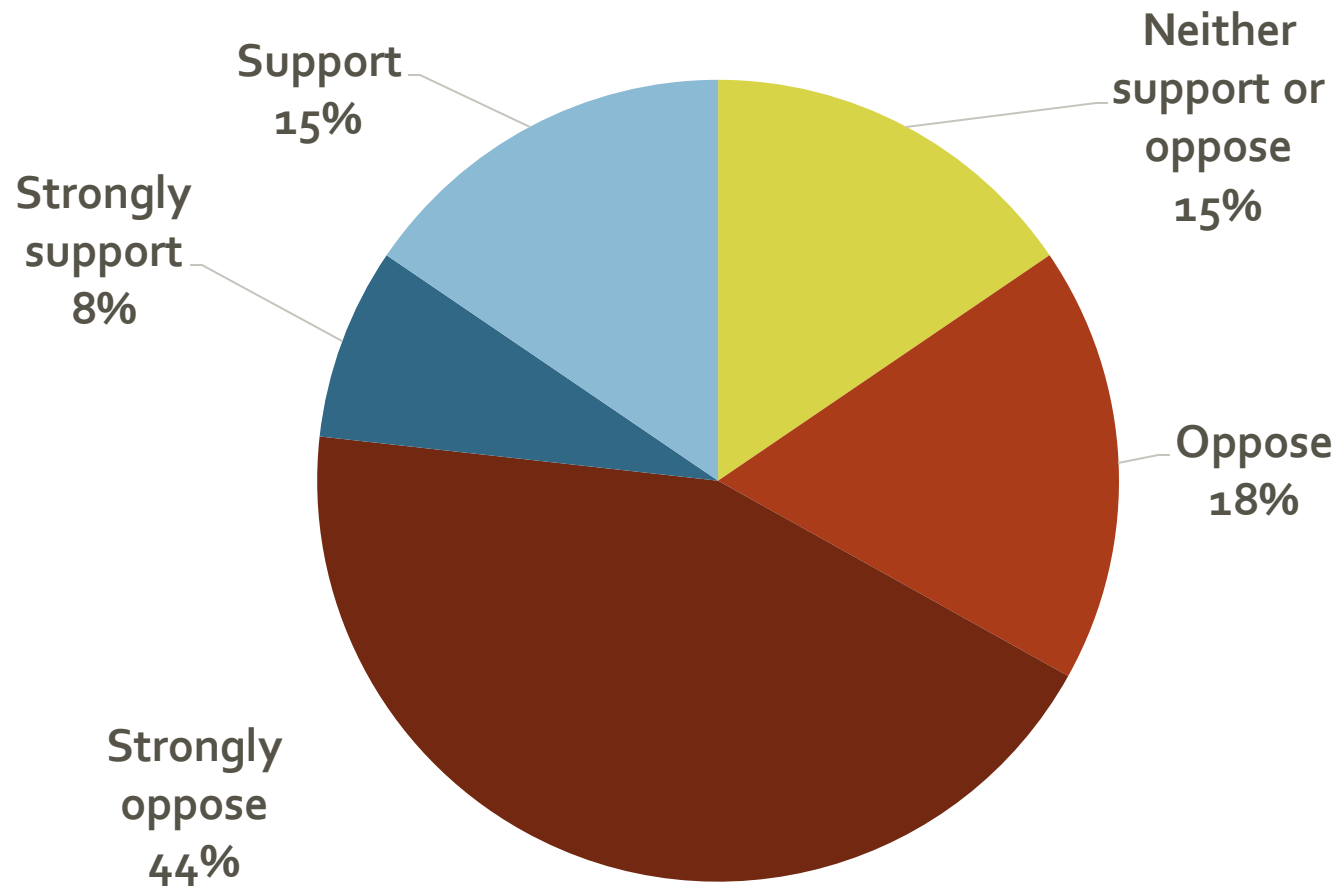
**Invasive species prevention** – The recommended approach to prevent new invasive species is outreach and education to lake users. Efforts would include volunteer outreach at the boat launch and outreach materials distributed to lake residents by mailers, emails and social media. Do you agree with this recommendation?



**Reasons for not supporting:**

- Concerns that ineffective (7)
- Prefer boat inspections(2 respondents)
- Include fee for boat launch users (2)
- Club should be used for outreach (2)
- Other (1 each)
  - Cost
  - Low priority
  - WDFW responsibility

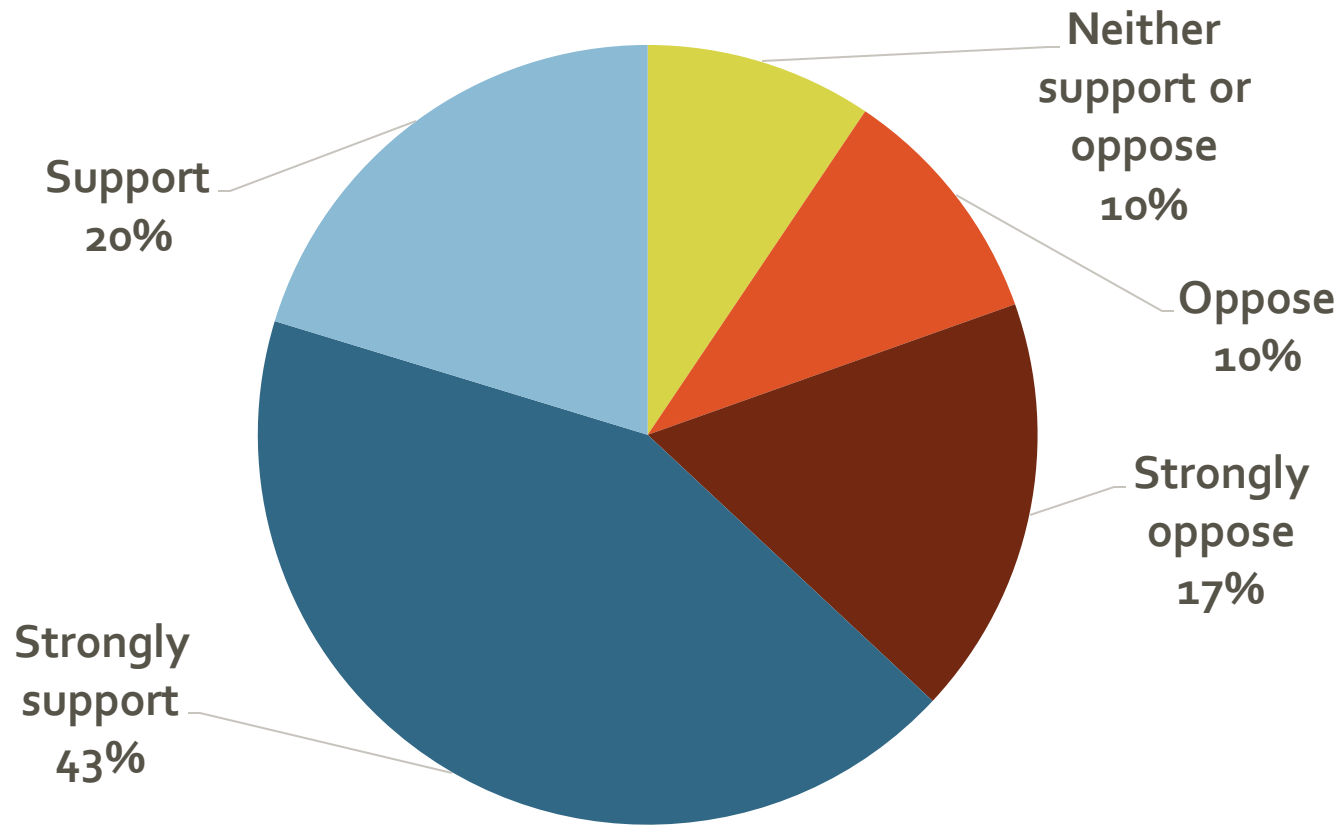
**Scenario 1:** This scenario includes **Hydraulic Dredging** for fragrant water lily for an estimated 80 - 90% reduction in lilies, a 3 feet reduction of muck AND the recommended prevention and control for all other plants. The estimated annual cost per parcel is \$47,700 for the first year with grants. How likely are you to support this scenario?



### Comments for those who chose dredging:

- Muck removal is important (4)
- Other (2)
  - Chemical best option if not dredging
  - Need to act now

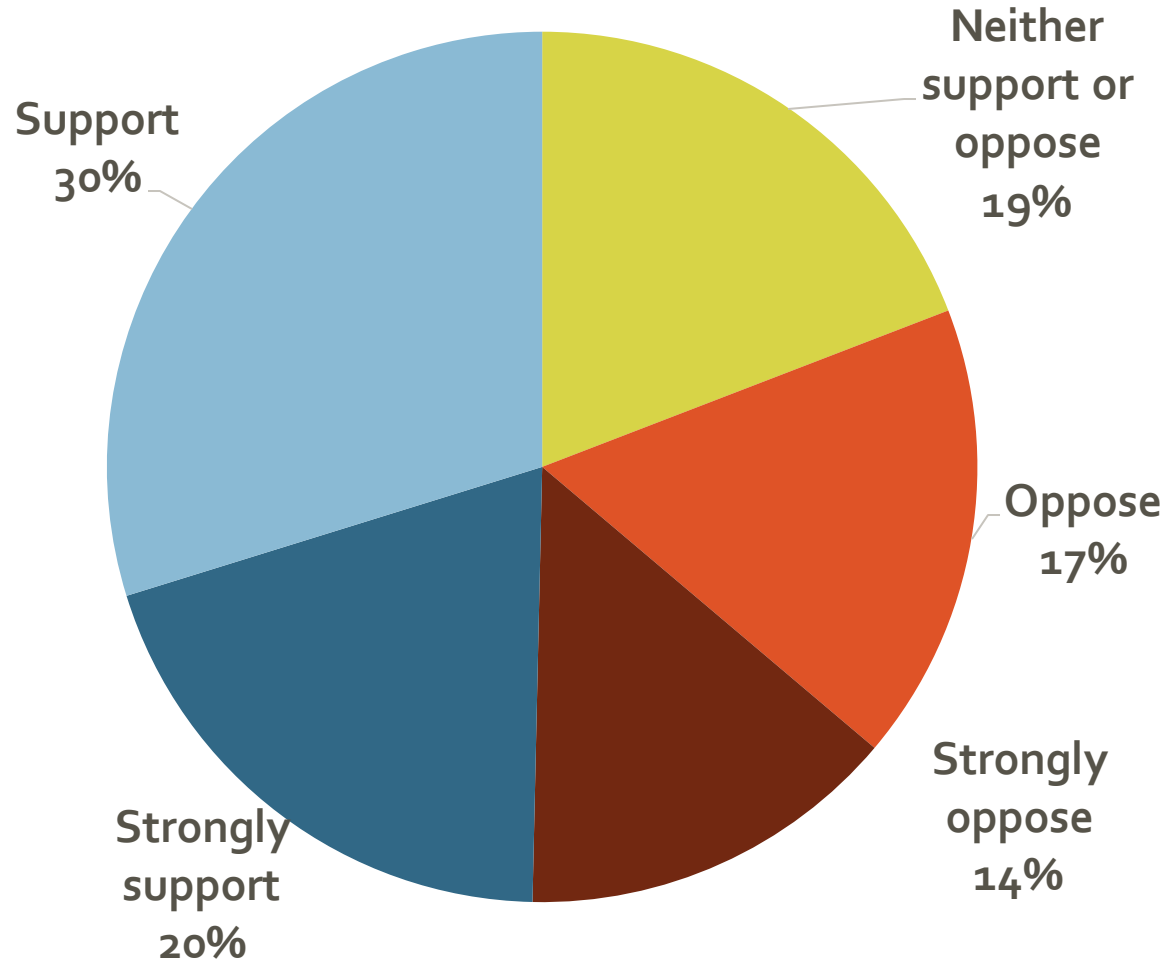
**Scenario 2:** This scenario includes **Chemical Control** for fragrant water lily using imazapyr and/or imazamox for an estimated 40-50% lily reduction in the middle basin, lily eradication in north and south basins AND the recommended prevention and control for all other plants. The estimated annual cost per parcel is \$135-\$171 with grants. How likely are you to support this scenario?



### Comments for those who chose chemical treatment:

- Prefer dredging, but cost makes chemical best option (10)
- Chemical is most cost effective/efficient option (4)
- Combine chemical & harvest (2)
- Other (1 each)
  - Higher level of lily removal
  - Individuals should be able to treat in front of their properties

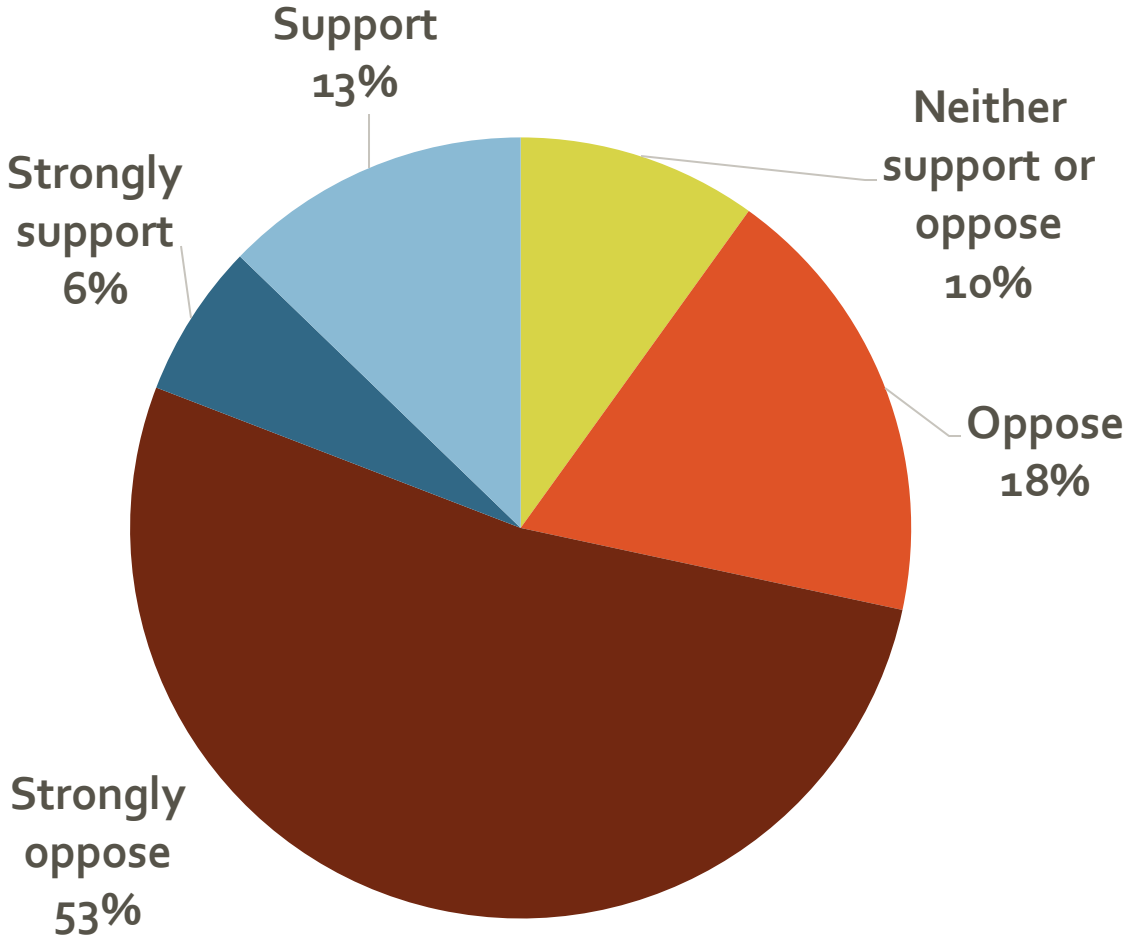
**Scenario 3:** This scenario includes **Mechanical Harvesting** for fragrant water lily for an estimated 15-20% lily reduction in the middle basin only AND the recommended prevention and control for all other plants. The estimated annual cost per parcel is \$136-177 with grants. How likely are you to support this scenario?



### Comments for those who chose Mechanical Harvesting:

- Prefer because no chemicals (3)
- Combine chemical & harvest (2)
- Other (1 each)
  - Harvest more
  - Purchase a harvester
  - Lilies provide benefits

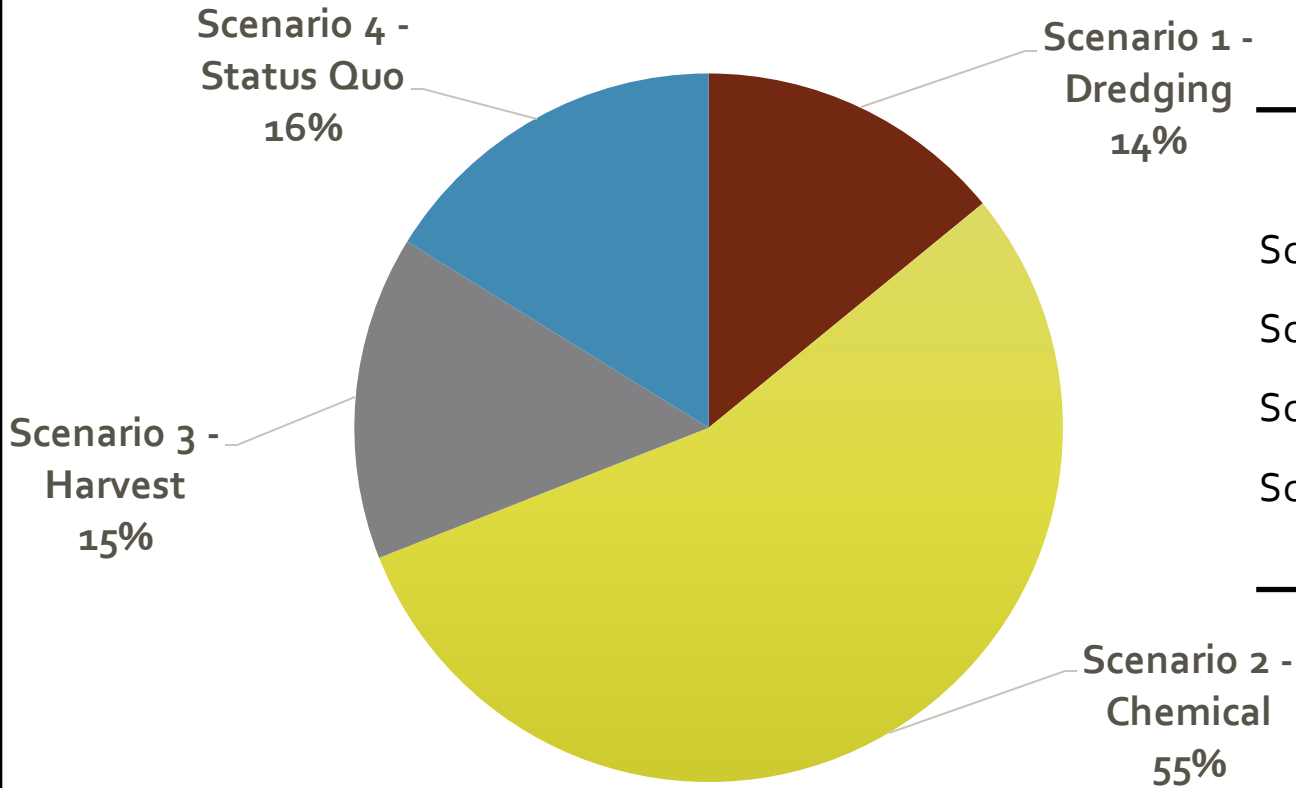
**Scenario 4:** This scenario would be **Status Quo** or to take no further action on invasive plant control as a community. Efforts to continue some diver surveys and hand-pulling of Eurasian watermilfoil could continue dependent upon voluntary donations to the Lake Roesiger Community and Boat Club.



**Comments for those who chose status quo:**

- Middle basin issue/middle basin should pay (10)
- Do not want chemicals (4)
- Cost (2)

# Which do you feel is the best scenario for invasive fragrant water lily control at Lake Roesiger?

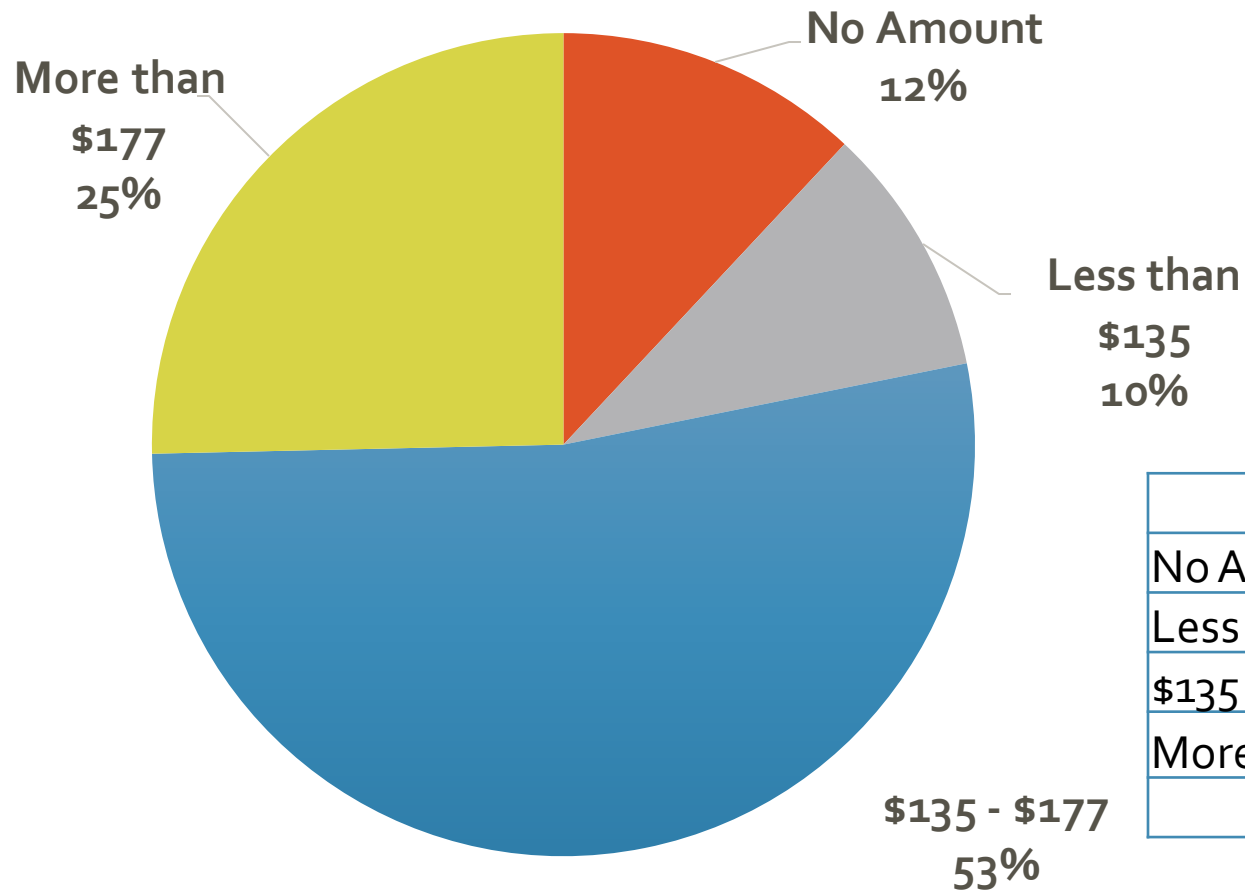



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	Middle	North	Other	South	Rec.	Total
Scenario 1 - Dredging	6	9	2	3		20
Scenario 2 - Chemical	24	28	4	18	2	78
Scenario 3 - Harvest	2	9	1	8		21
Scenario 4 - Status Quo		10	1	12		23
<b>Total</b>	<b>32</b>	<b>57</b>	<b>8</b>	<b>43</b>	<b>2</b>	<b>142</b>

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One option is for residents to pay an annual fee to pay for aquatic plant control. The mid-range draft scenarios are estimated to cost between \$134 to \$177 per year. How likely are you to support paying such a fee for aquatic plant control?



	North	South	Middle	Other	Rec.	Total
No Amount	9	8				<b>17</b>
Less than \$135	4	8		2		<b>14</b>
\$135 - \$177	32	17	17	6	2	<b>75</b>
More than \$177	11	8	15			<b>36</b>
<b>Total</b>	<b>57</b>	<b>43</b>	<b>32</b>	<b>8</b>	<b>2</b>	



# General Comments

## **Need to act now (6)**

## **Payment/Funding**

## **Expressed Thanks(11)**

Middle basin landowners should  
pay more (6)

County/State should pay more (4)

Everyone should contribute (4)

No mandatory fees (3)

Parcels near lake should pay (2)



# Survey Takeaways

Action is needed

Only 19% "support" or "strongly support" status quo

Agree on priorities of plants

High agreement on approach for

Milfoil

Shoreline  
Plants

Slender  
arrowhead

Prevention

# Survey Takeaways - Lily Control

No  
Dredging

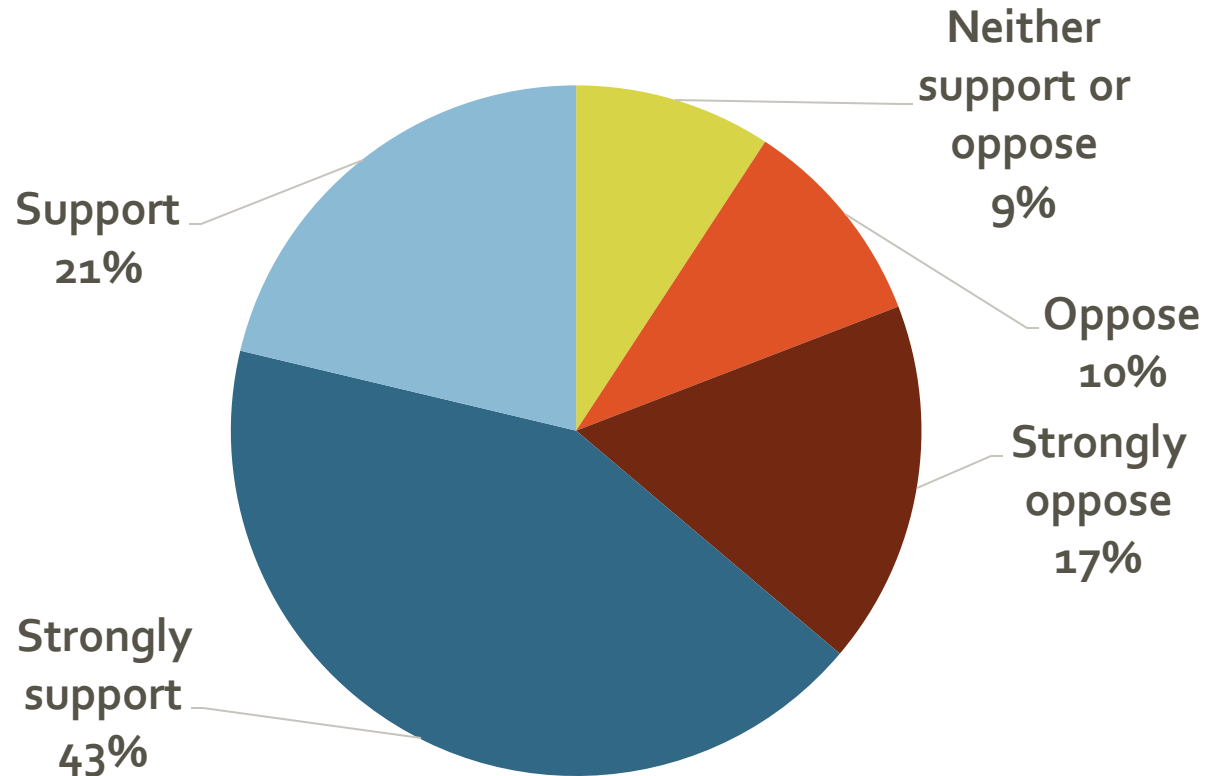
60% oppose  
or strongly  
oppose

No Status  
Quo

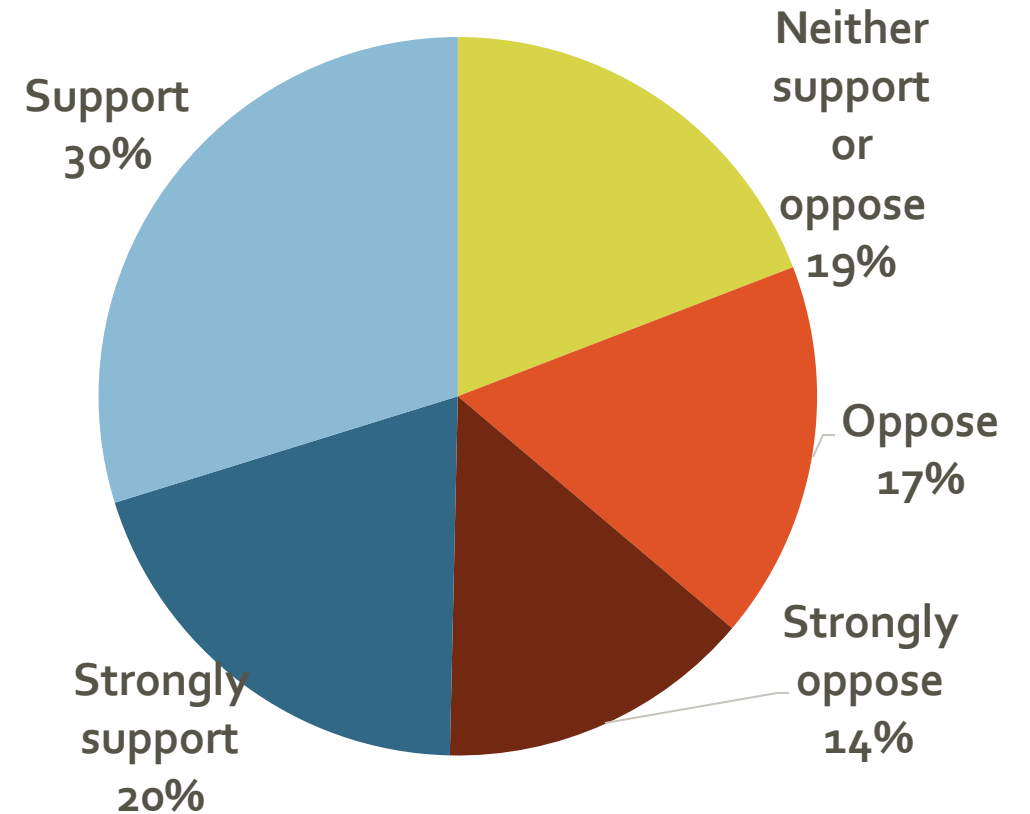
70% oppose  
or strongly  
oppose

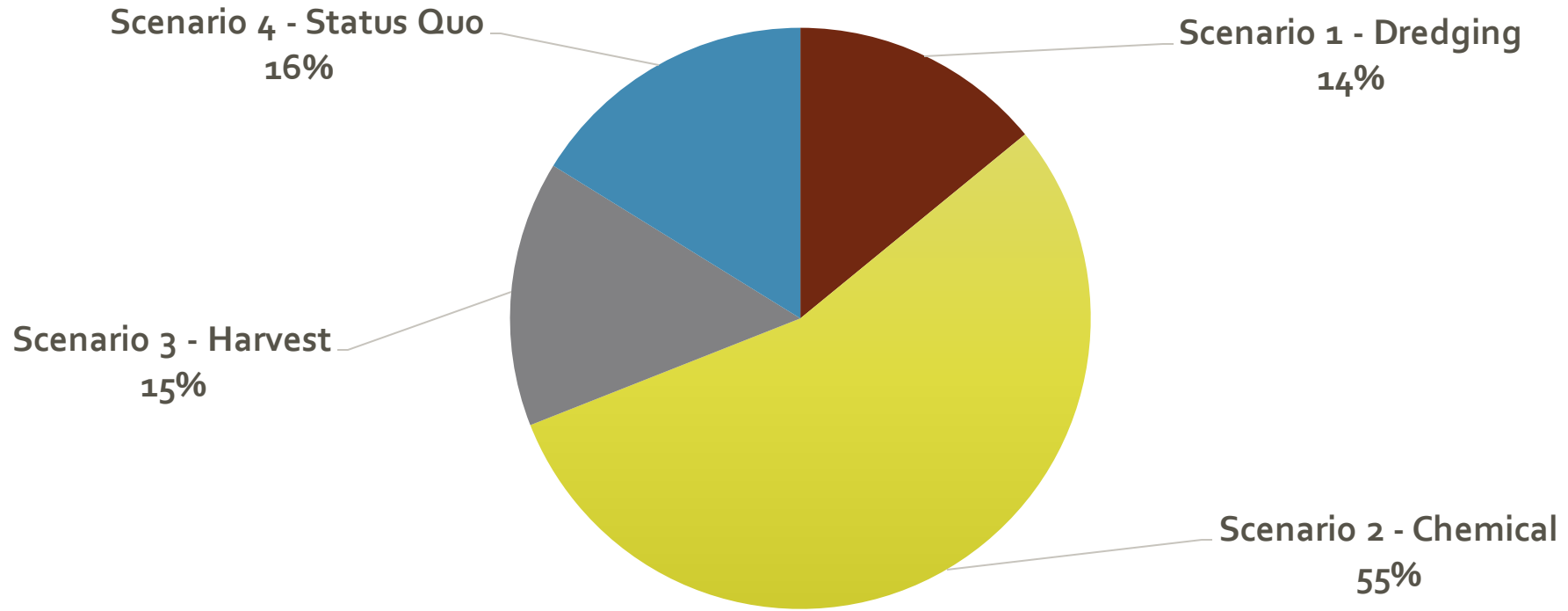
# Chemical and Mechanical Harvesting Both Supported

## Chemical

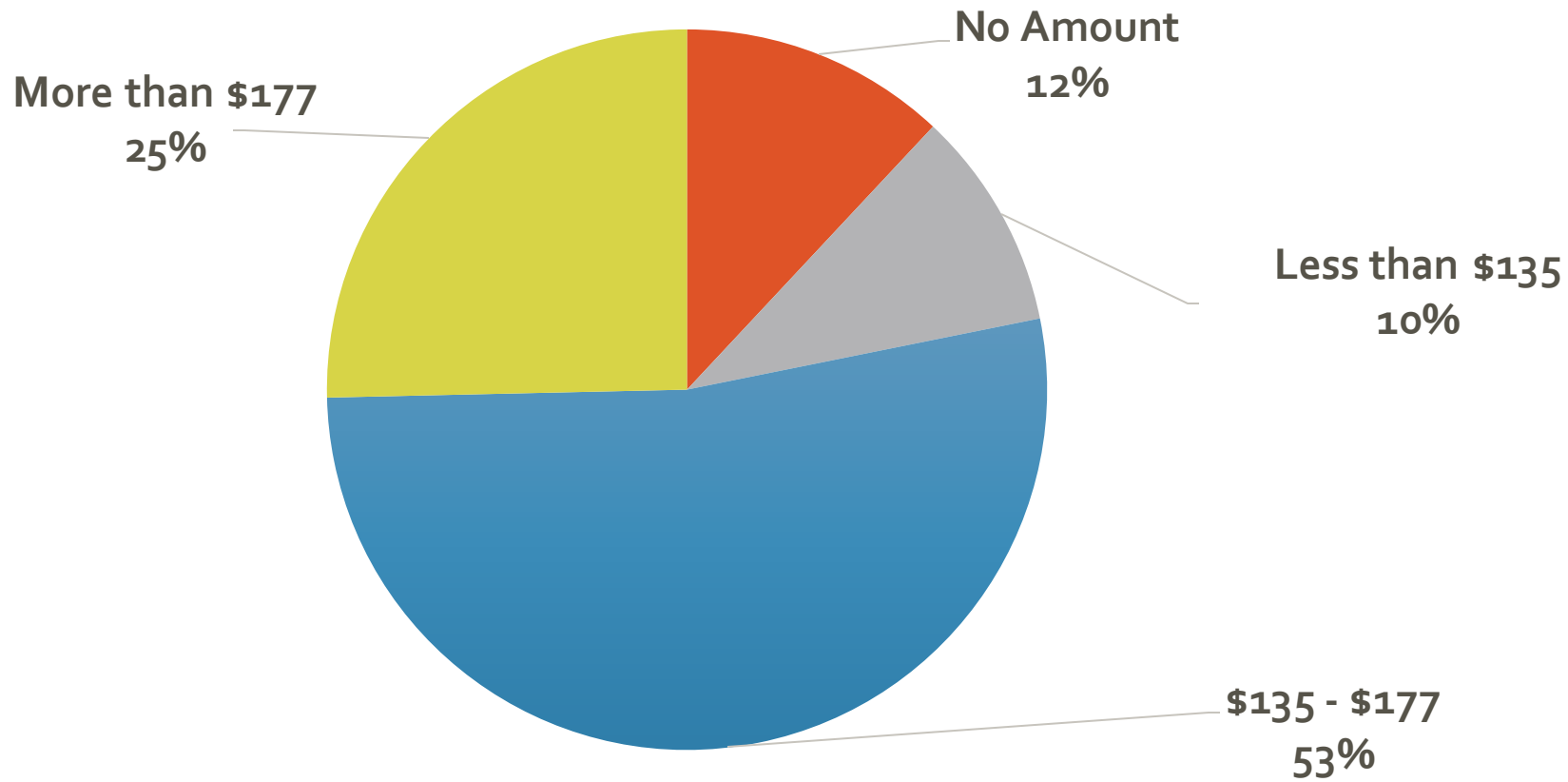


## Mechanical Harvesting





**CHEMICAL CONTROL IS PREFERRED OPTION**



**SURVEY TAKEAWAYS – THERE IS A HIGH WILLINGNESS TO PAY**