

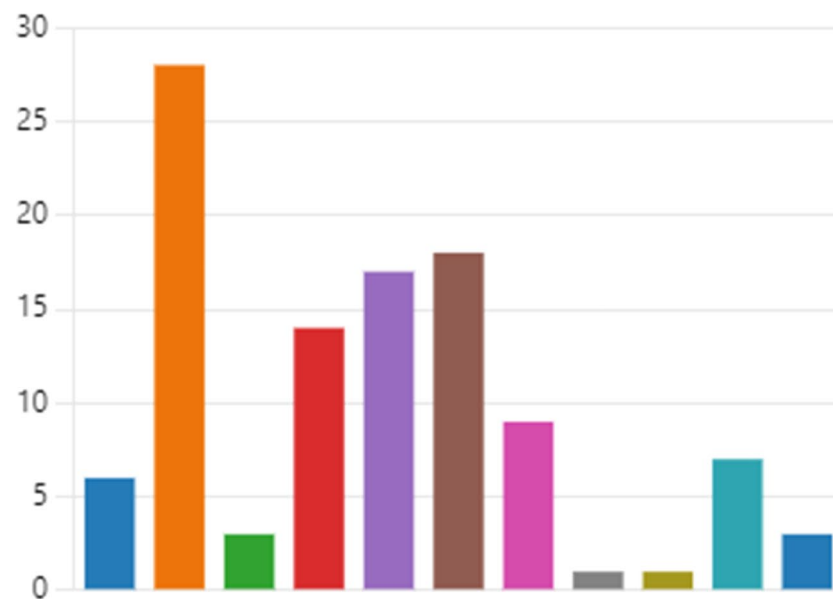


European Frog-bit Collaborative Questionnaire Results

1. What is your affiliation as you will be responding to the following questions? (Select all that apply)

More Details

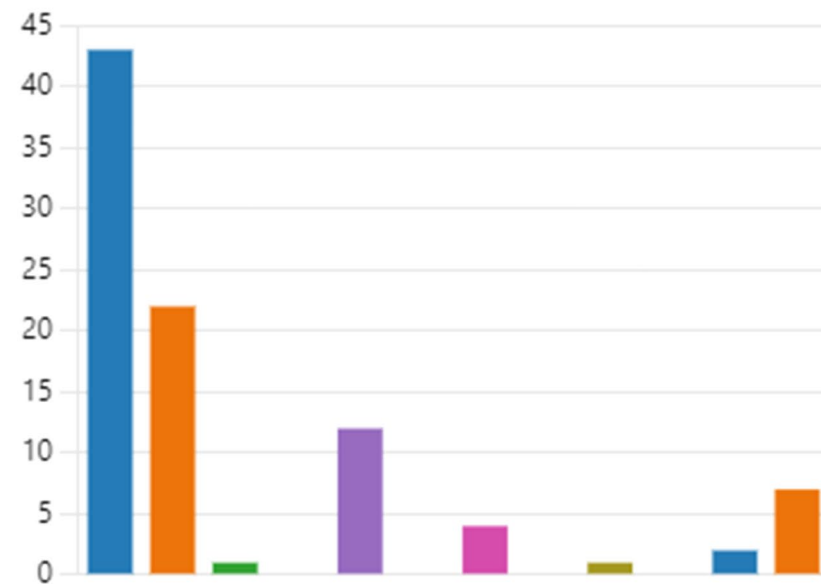
 Federal government	6
 State or provincial government	28
 Tribal agency	3
 Local government	14
 CISMA/CWMA/PRISM	17
 Non-profit organization	18
 University/research institution	9
 Private industry	1
 Student	1
 Concerned citizen	7



2. Which of the following best describes your role related to European frog-bit?

More Details

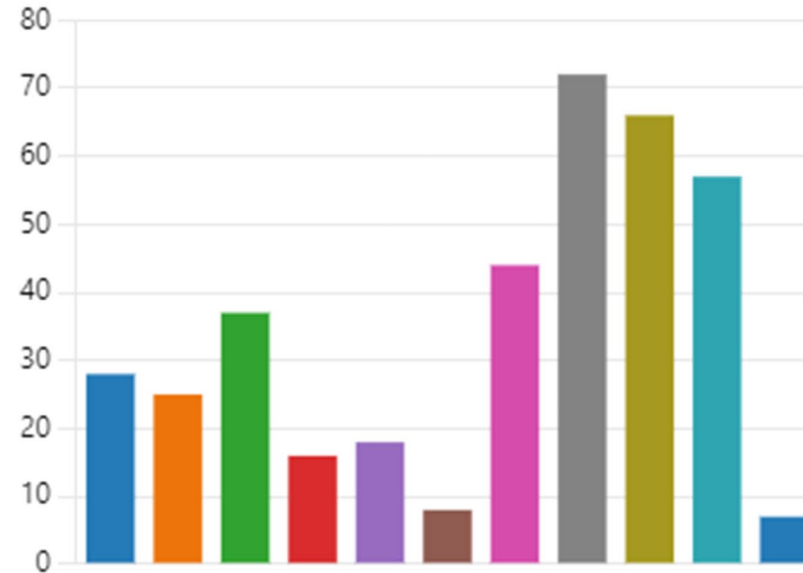
● Invasive species manager	43
● Natural resource manager (non-fisheries)	22
● Fisheries manager	1
● Infrastructure manager	0
● Researcher	12
● Policy maker	0
● Educator	4
● Business or industry representative	0
● Property owner	1
● Recreational water user	0



3. For which bodies of water (or other waterways) do you have a specific interest, responsibility, or jurisdiction in relation to European frog-bit? (Select all that apply)

More Details

● Lake Erie	28
● Lake Huron	25
● Lake Michigan	37
● Lake Ontario	16
● Lake Superior	18
● St. Lawrence River	8
● Connecting channels	44
● Wetlands	72
● Inland lakes, reservoirs, and ponds	66
● Rivers, drains, and tributaries	57
● Other	7



4. Is European frog-bit currently present in the system(s) in which you have specific interest or jurisdiction?

[More Details](#)

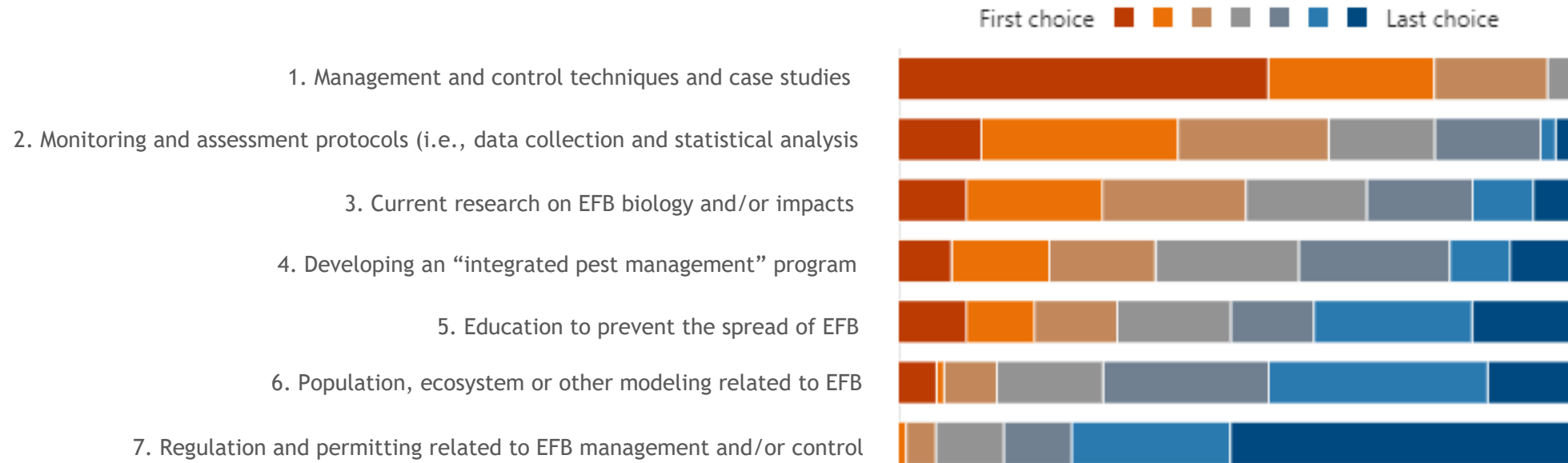
 Insights

 Yes	71
 No	15
 Unsure	7



5. What topics related to European frog-bit are of most interest to you in terms of information-sharing and collaboration? Rank the following questions using the arrows

90 Responses



7. Do you or your organization have an early detection monitoring program for European frog-bit?

[More Details](#)

 Insights

 Yes	44
 No	43
 Unsure	6



8. Do you or your organization have a prevention strategy for European frog-bit?

[More Details](#)

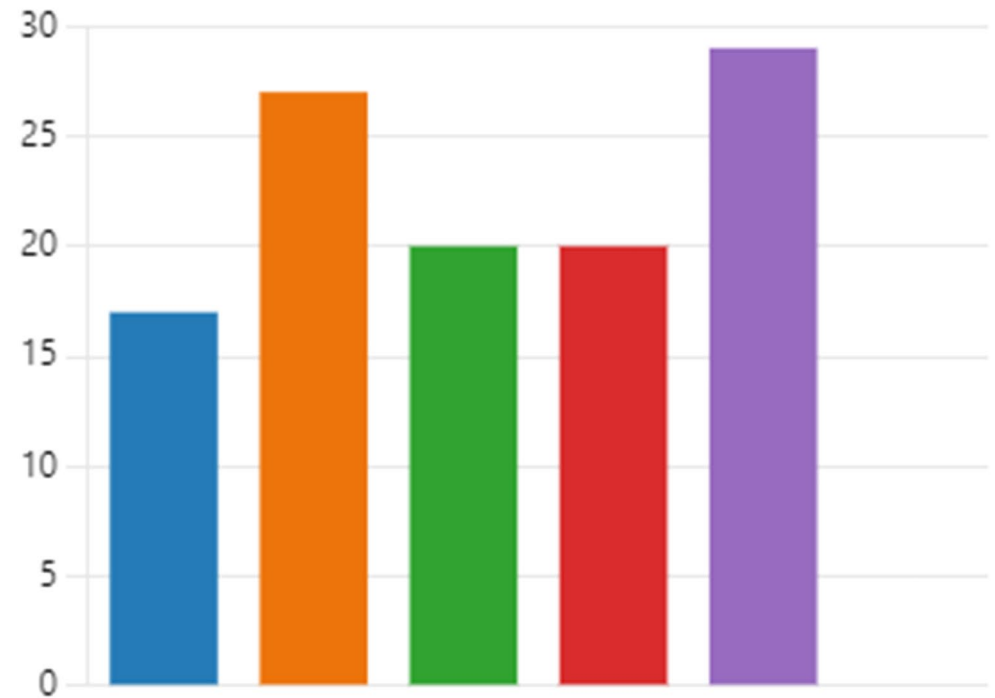
 Yes	34
 No	50
 Unsure	9



9. If yes, what best matches your prevention activities? (select all that apply)


More Details

● Boat wash stations	17
● Public outreach/events	27
● Produced/distributed media (physical)	20
● Social media	20
● Decontamination practices	29
● Other	0



10. Do you or your organization have an education program for European frog-bit?

[More Details](#)

 Insights

 Yes	38
 No	48
 Unsure	7








11. Are you aware of any online invasive species databases to report occurrences of European frog-bit?

[More Details](#)

 Insights

-  Yes, and I am currently reporting to them 58
-  Yes, but I am not currently reporting to them 25
-  I am not aware of such databases 10

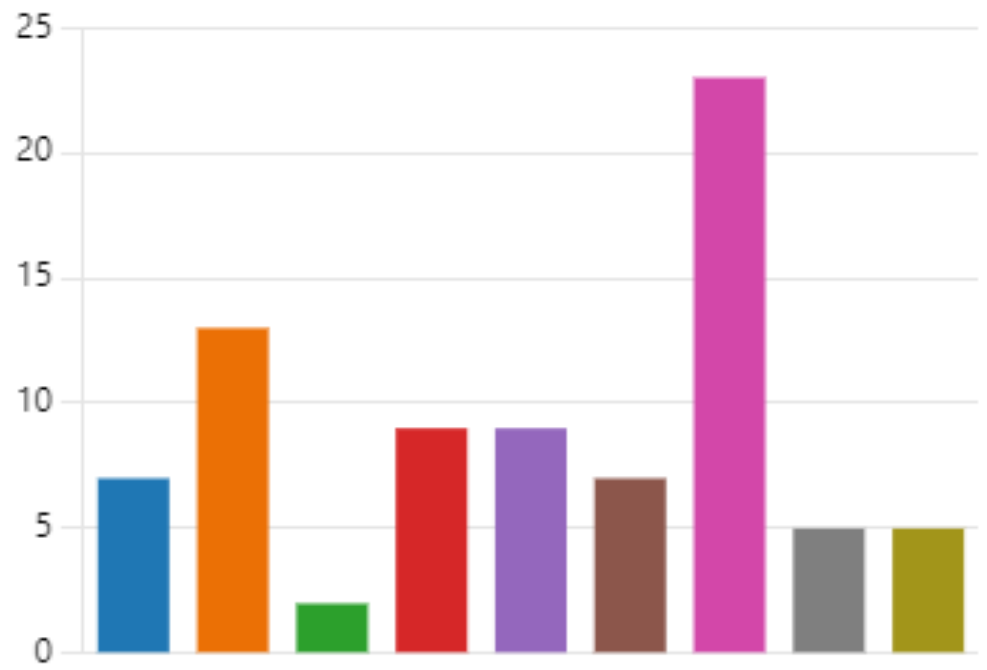




12. To which online invasive species databases are you reporting occurrences of European frog-bit? (select all that apply)

More Details

- EDDMapS 7
- EFB Collaborative Delimitation Application 13
- Great Lakes Aquatic Nonindigenous Species Information System 2
- iMapInvasive 9
- iNaturalist 9
- Internal agency/organization database 7
- Midwest Invasive Species Information Network 23
- USGS Nonindigenous Aquatic Species 5
- Other 5



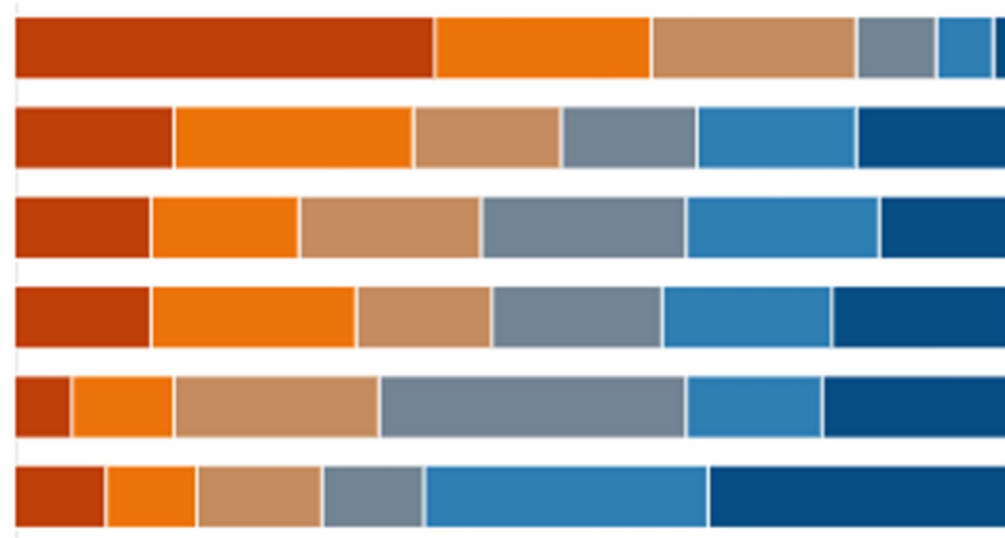
13. What do you view as the most critical knowledge gaps associated with European frog-bit biology? (rank)

88 Responses

Rank Options

- 1 Ecosystem impacts
- 2 Method of spread
- 3 Reproduction/viability
- 4 Economic impacts
- 5 Habitat suitability
- 6 Climate change suitability models

First choice ■ ■ ■ ■ ■ ■ Last choice



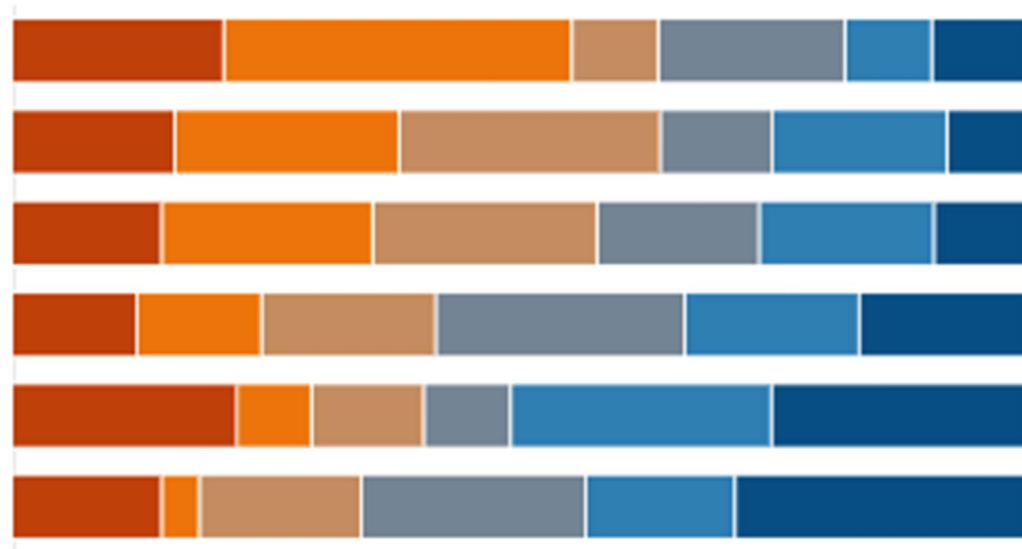
14. What do you view as the most critical knowledge gaps surrounding the effects of European frog-bit on an ecosystem? (rank)

82 Responses

Rank Options

- 1 Fish and wildlife impacts
- 2 Native macrophyte displacement
- 3 Ecosystem services disruption (e.g., changes in hydrology, sediment trapping)
- 4 Water quality impacts
- 5 Population establishment and growth timeline
- 6 Impacts to culturally significant species (e.g., wild rice)

First choice ■ ■ ■ ■ ■ ■ Last choice

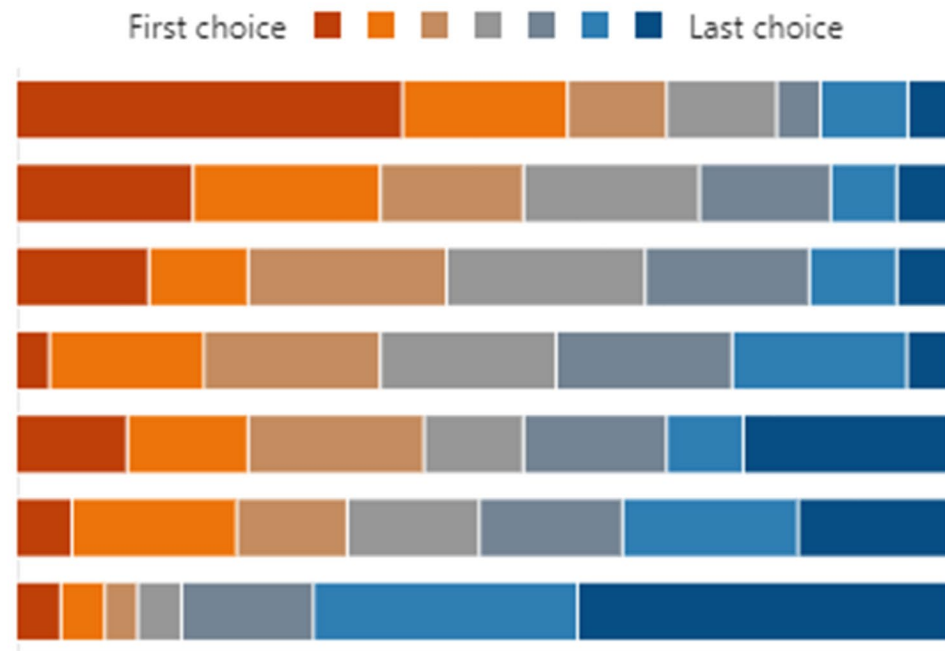


15. What do you view as the most critical knowledge gaps surrounding current European frog-bit control options? (rank)

85 Responses

Rank Options

- 1 Best management practices (e.g., timing, type)
- 2 Eradication timing/threshold population levels
- 3 Chemical control options and efficacy
- 4 Manual removal options and efficacy
- 5 Biological control research
- 6 Impacts on non-target species
- 7 Cost



16. What do you view as the most critical knowledge gaps surrounding European frog-bit monitoring tools and detection? (rank)

68 Responses

Rank Options

First choice ■ ■ Last choice

- 1 Limited public knowledge and reporting opportunities
- 2 Low detectability with current methods
- 3 Efficacy of novel methods (e.g., eDNA and Unmanned Aerial Vehicles (UAV))

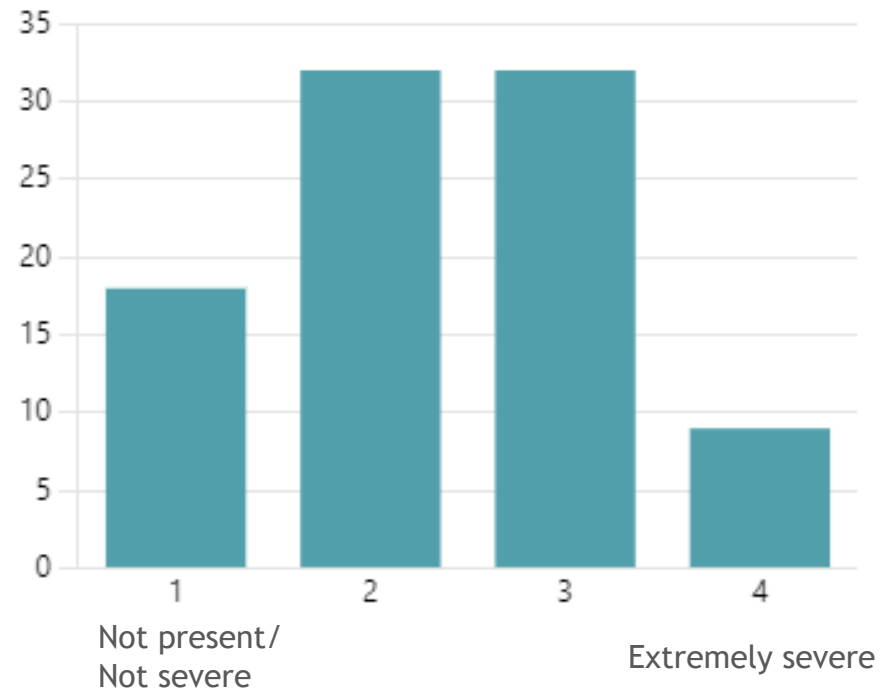


19. How severe do you perceive the European frog-bit invasion to be in your jurisdiction?

[More Details](#)


 Insights

2.35
Average Rating

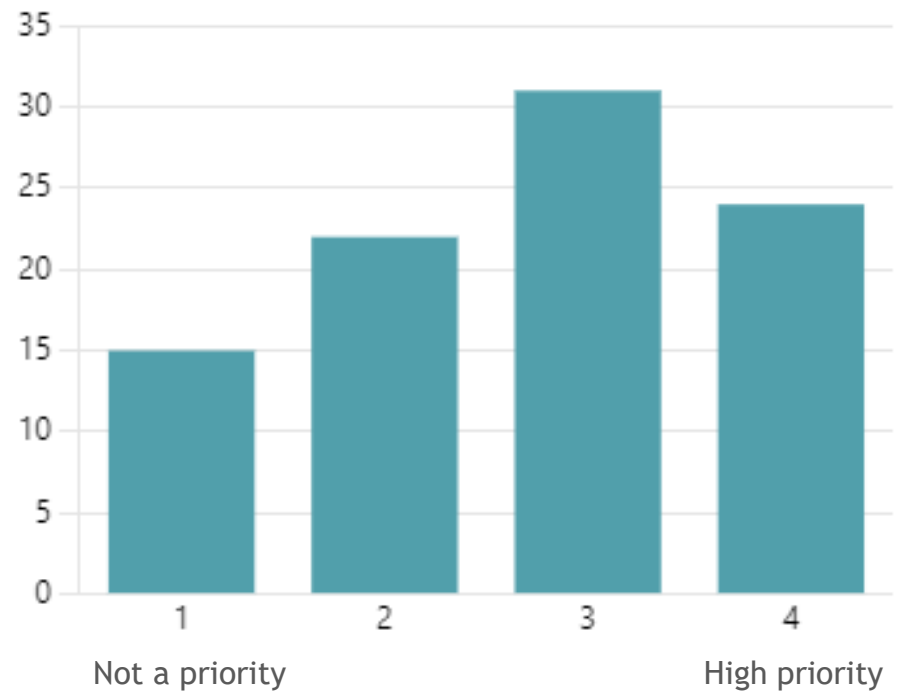


20. To what extent is European frog-bit control a priority for you and/or your agency?

[More Details](#)

 Insights

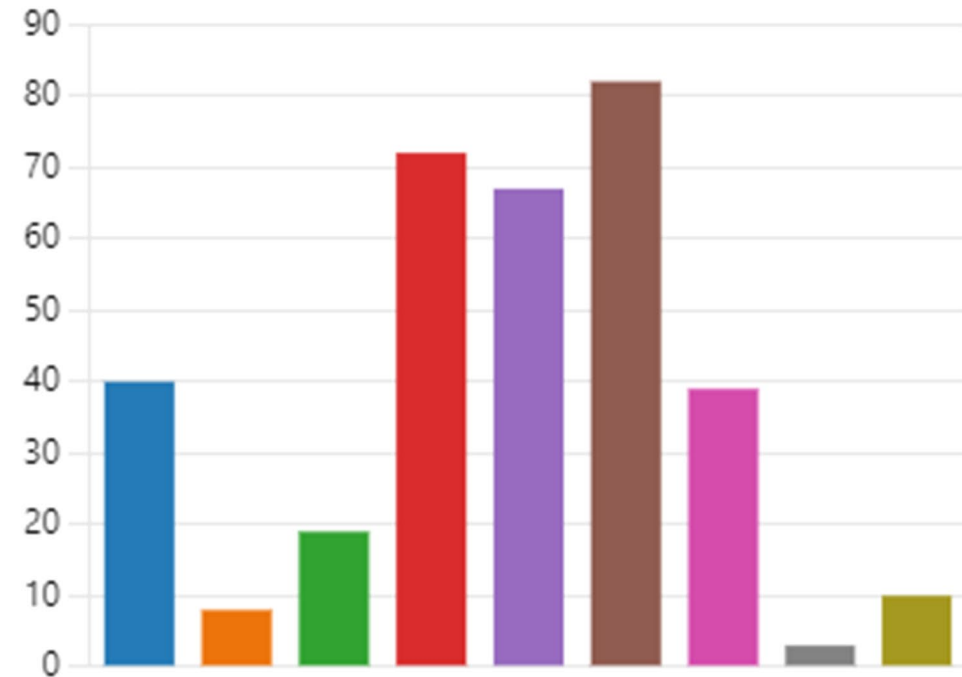
2.70
Average Rating



21. Why are you (or your agency) interested in controlling European frog-bit? (Select all that apply)

More Details





Water quality	40
Beach quality	8
Fouling of property or other infrastructure (e.g., boats, docks)	19
Aquatic habitat improvement	72
Restoration of ecosystem functions	67
Native species/biodiversity protection	82
Improved water access/navigation	39
Not interested in controlling EFB	3
Other	10



22. Does your jurisdiction have a management/control plan for European frog-bit?

[More Details](#)

 [Insights](#)

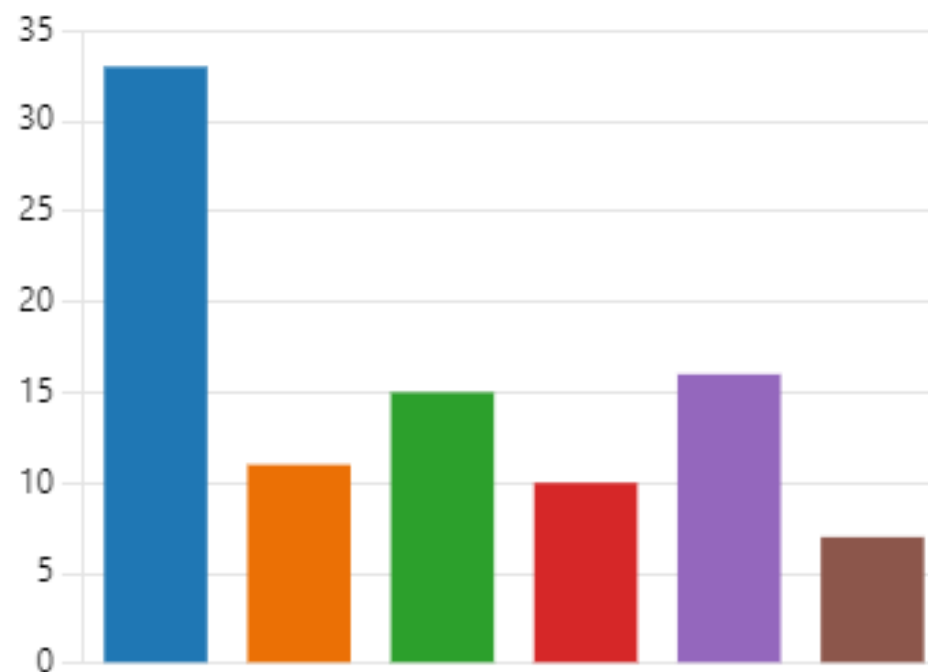
	Yes, a short-term, year-to-year plan	30
	Yes, a long-term, sustainable plan	8
	No	47
	Other	7



23. At what spatial scale are you (or your agency) interested in implementing European frog-bit control?

More Details

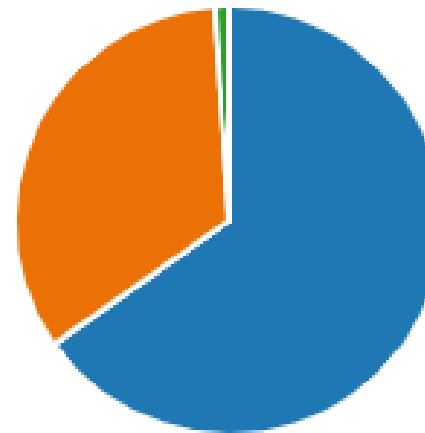
● Site/local	33
● Waterbody	11
● Watershed	15
● State/province	10
● Regional (e.g., Great Lakes)	16
● Not interested in applying EFB control	7



24. What level of detail would be most useful on tools and strategies for European frog-bit management and/or control?






More Details

- Very detailed - information on a recommended set of techniques including suggested timing and best practices 60
- Moderately detailed - summary information about techniques with links to further resources 31
- Not very detailed - lists of options with links to other resources 1



25. What types of forums would you be most likely to use for coordination and communication among stakeholders regarding European frog-bit research, management, and control? (select all that apply)

More Details

 Social media (e.g., Twitter, Instagram, blogs)	29
 Webinars	79
 Conferences/symposia	48
 Email list-servs	68
 Other	8

