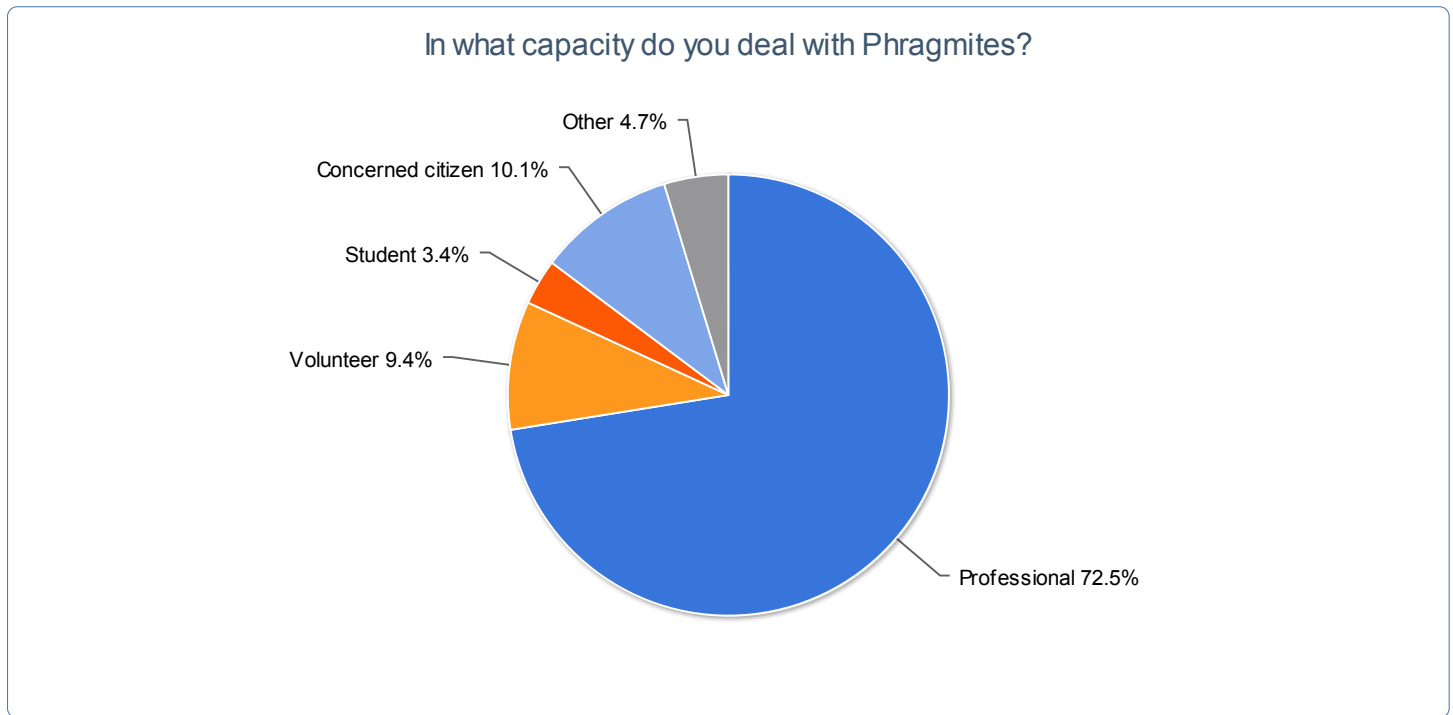




Final report on stakeholder survey to inform the Great Lakes Phragmites Collaborative

Survey: Feedback on the Great Lakes Phragmites Collaborative

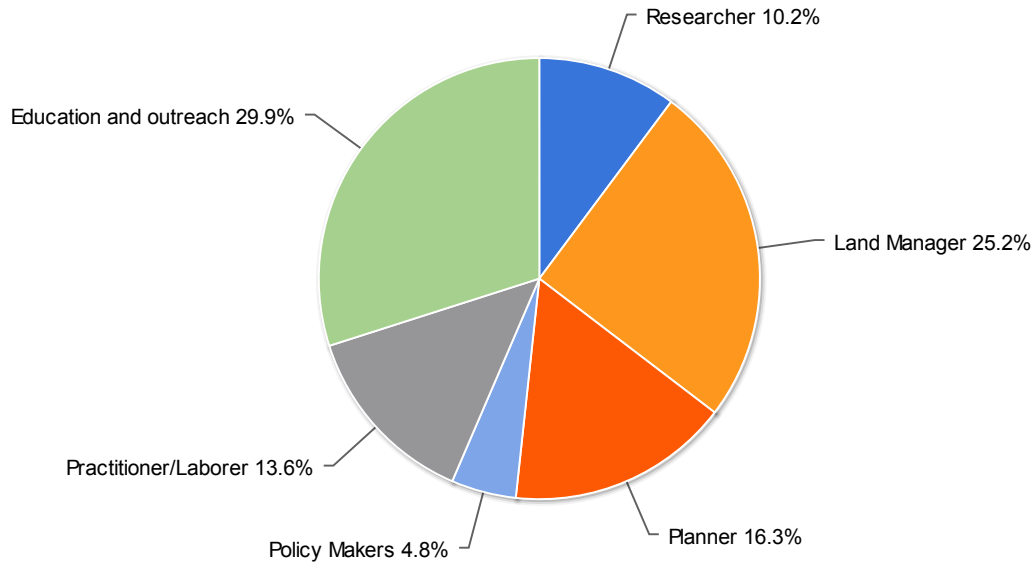


1. In what capacity do you deal with Phragmites?

Value	Count	Percent %
Professional	108	72.5%
Volunteer	14	9.4%
Student	5	3.4%
Concerned citizen	15	10.1%
Other	7	4.7%

Statistics	
Total Responses	149

What is your role in Phragmites management?



2. What is your role in Phragmites management?

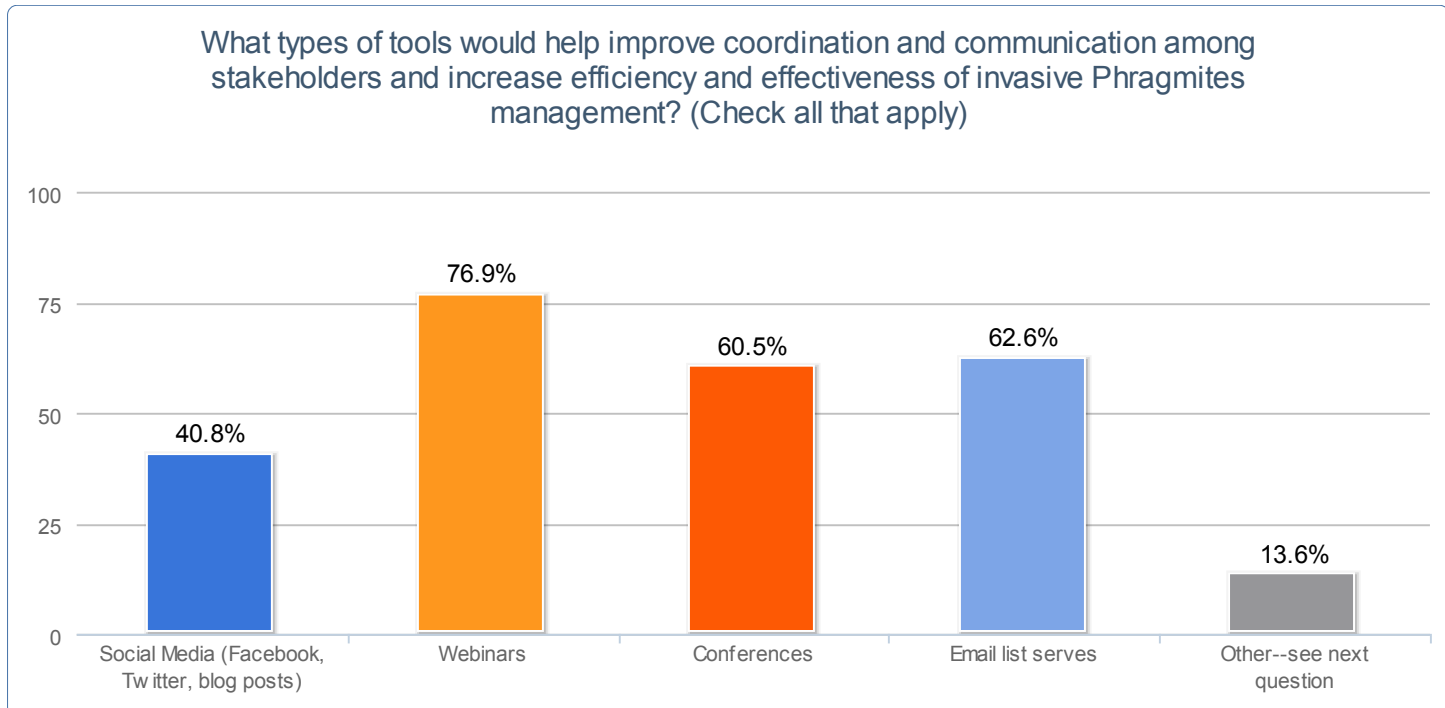
Value	Count	Percent %
Researcher	15	10.2%
Land Manager	37	25.2%
Planner	24	16.3%
Policy Makers	7	4.8%
Practitioner/Laborer	20	13.6%
Education and outreach	44	29.9%

Statistics	
Total Responses	147

4. What aspect of Phragmites are you most interested in? (select top two)

Value	Count	Percent %
Research science	54	36.0%
Management techniques	123	82.0%
Policy	17	11.3%
Permitting & planning	22	14.7%
Communication and networking	25	16.7%
Education and outreach	37	24.7%

Statistics	
Total Responses	150



5. What types of tools would help improve coordination and communication among stakeholders and increase efficiency and effectiveness of invasive Phragmites management? (Check all that apply)

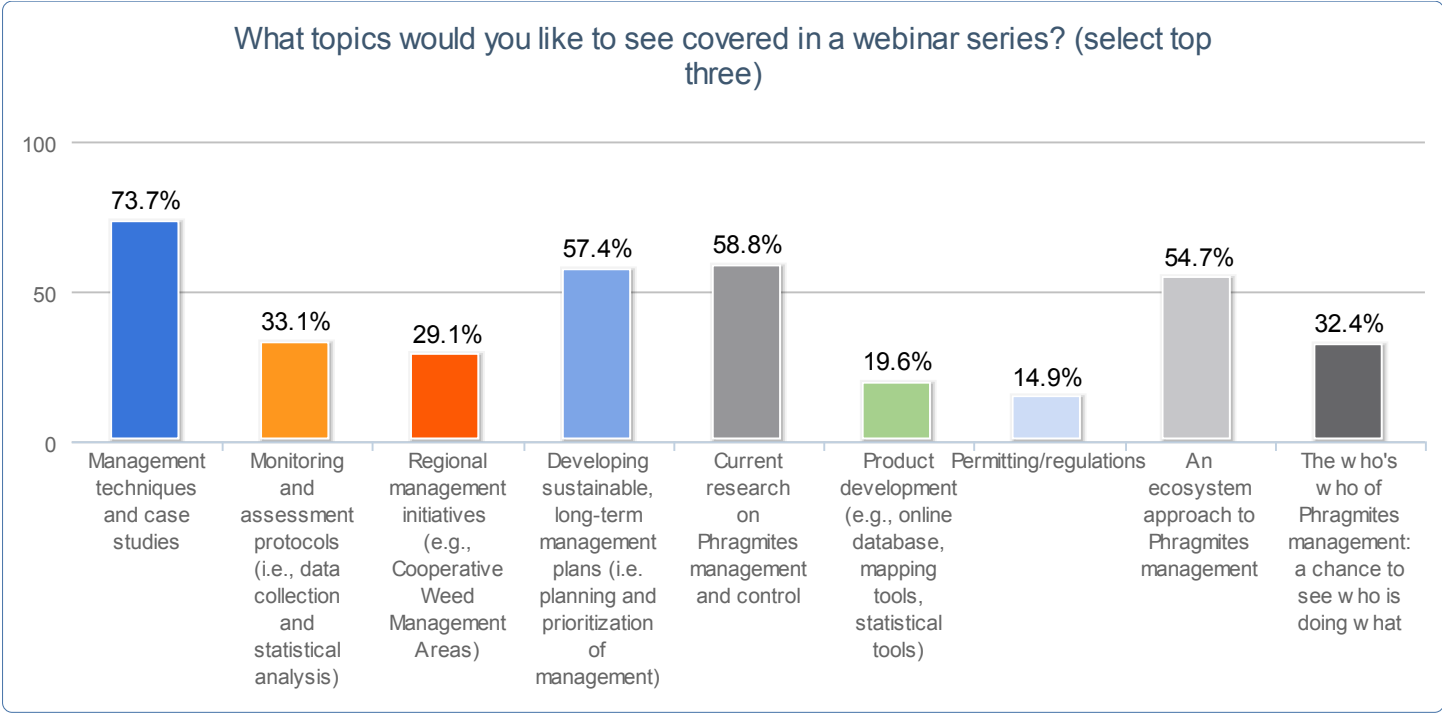
Value	Count	Percent %
Social Media (Facebook, Twitter, blog posts)	60	40.8%
Webinars	113	76.9%
Conferences	89	60.5%
Email list serves	92	62.6%
Other--see next question	20	13.6%

Statistics	
Total Responses	147

6. Do you have any suggestions for other types of tools that would help improve coordination and communication among stakeholders?

Count	Response
1	Centralized information portal
1	County coordinators that deal with all phragmites issues
1	Database of who's who & prior/ongoing projects
1	Discs illustrating BMP
1	Generate special interest groups by topic within overall umbrella of Phragmites.
1	Help with consumer permitting
1	Hosting regional face-to-face meetings to jumpstart and engage
1	N/A
1	Phragmites message board.
1	Scenario/planning tools to determine most effective management strategy for a given area
1	State federal technical resources and project clearinghouse
1	Twitter specifically for social media - fb and blogs might be too much to follow.
1	Virtual business model
1	Website, clearinghouse
1	a bridge between grantees and granters would be really helpful as a not for profit
1	best practices
1	centralized, spatially explicit data base for management activities AND EFFECTIVENESS MONITORING
1	coordination of funding
1	educate coastal land owners with some form of ipad/iphone etc. tool
1	hands-on workshops
1	http://www.mtri.org/phragmites.html
1	make use of existing invasive plant networks, e.g. mipn and the Ontario invasive plant council
1	management techniques
1	master calendar of all phragmites related events of all colaborators
1	master naturalist teaching
1	monthly or quarterly bulletin
1	no
1	posting of case studies and success stories on the website that I see you have set up
1	releases to newspapers
1	see: www.claytownship.org/phragmites
1	simple monitoring and mapping forms online
1	stakeholder workshop
1	strong explanations of why many control methods do NOT work
1	web-based resources that aid decision making
2	website
1	I need to get connected with teams in my area, such as one that Heidi leads. I am concerned with keeping all home owners involved

1	I dont want to see another class, webinar, study group, I want to see people together for the day to remove Phragmites. On the spot, choose any place in Oakland County where the plant is destroying a wetland.
1	a clearinghouse for peer-reviewed literature on Phragmites control and restoration in Phragmites-dominated landscapes
1	definitely proceed with the scalable monitoring idea. I also think, given the collaboration is great lakes wide there will need to be some guidance on the different permits and regulations for each state/province.
1	brochure availability for distribution, a series of workshops scheduled around the greatlakes, lobbyists, someone working full time on media coverage
1	All the above items are good ideas; unfortunately we can use Social Media within our OMNR work environment; Conferences are a good idea too, but will become more difficult to attend with the current financial situation
1	This was my first session and it was great to understand that we are not alone. I will have to think about additional tools



7. What topics would you like to see covered in a webinar series? (select top three)

Value	Count	Percent %
Management techniques and case studies	109	73.7%
Monitoring and assessment protocols (i.e., data collection and statistical analysis)	49	33.1%
Regional management initiatives (e.g., Cooperative Weed Management Areas)	43	29.1%

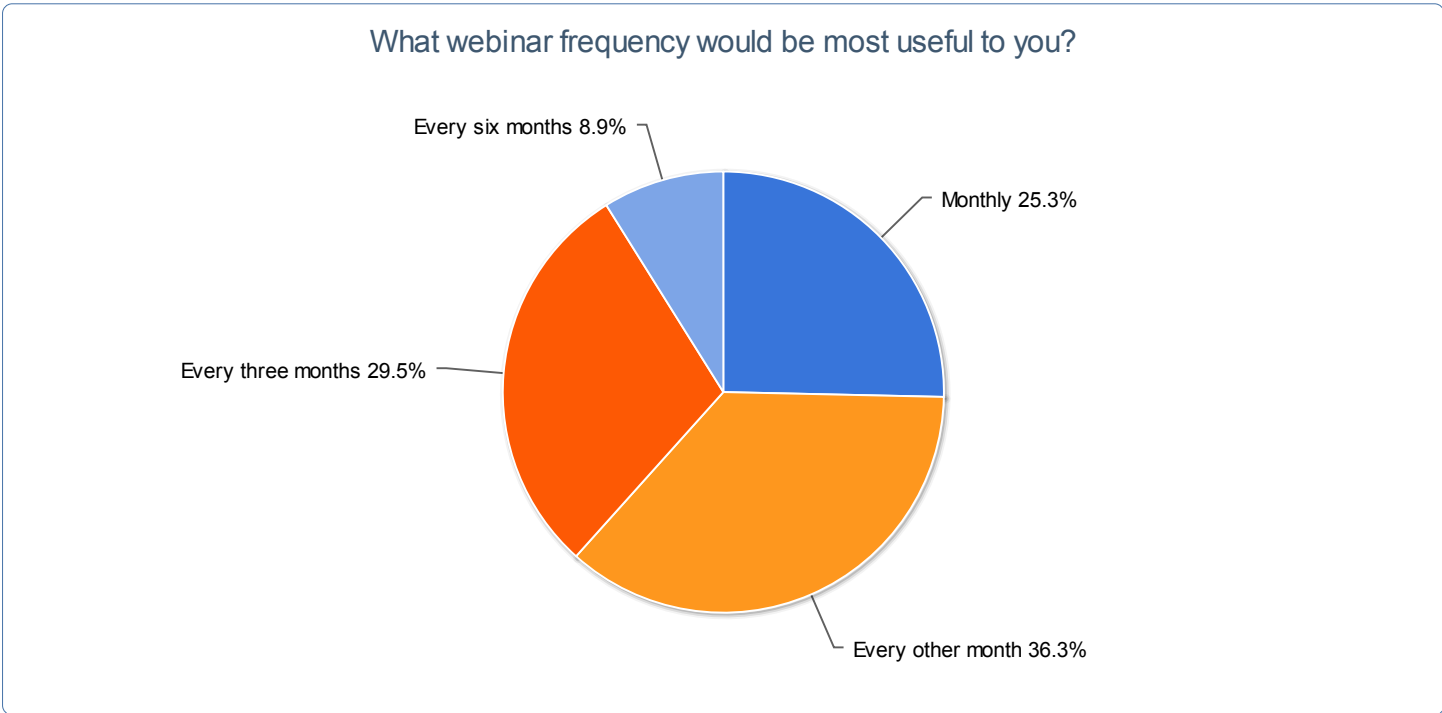
Statistics	
Total Responses	148

Developing sustainable, long-term management plans (i.e. planning and prioritization of management)	85	57.4%
Current research on Phragmites management and control	87	58.8%
Product development (e.g., online database, mapping tools, statistical tools)	29	19.6%
Permitting/regulations	22	14.9%
An ecosystem approach to Phragmites management	81	54.7%
The who's who of Phragmites management: a chance to see who is doing what	48	32.4%
Resource allocation (i.e. planning and prioritization of management)	0	0.0%

8. Are there other topics you are interested in?

Count	Response
1	Activities that exacerbate the problem
1	Canadian work - US is interesting but we can't use half of the tools you have available
1	Cooperative management
1	Costs associated with fighting Phragmites fires. Costs for restoration.
1	Gene Silencing.
1	Monitoring and assessment
1	New Research - Keep the wetland community updated on new research and techniques.
1	Opportunities to influence policy; e.g. Michigan's new beachgrooming laws
1	Permitting
1	Phragmites, water quality, and sustainable development
1	Reed Canary Grass Control
1	Restoration after control - successes/failures
1	all of them, not just the three
1	community efforts
1	funding opportunities for control
1	funding!
1	how to approach wetland restoration in areas with high pressure from Phragmites
1	http://www.mtri.org/phragmites.html
1	implications of State policies on ecosystem approach
1	invasive effects of the native genotype
1	invasive species
1	mobilizing the community and avoiding invasive burn out

1	no
1	other invasives i.e. purple loostrife
1	restoration best practices
1	restoration options, habitat modification
1	securing funding
1	water quality
1	current research on Phragmites impacts in wetlands and how restoration efforts affect those impacts
1	The latest research on Phrag management, specifically long-term control. We know how to kill it. Also, if anyone has crunched numbers on economics of Phrag impacts and also costs long term for keeping it out/preventing reinfestation.
1	Socio-economic valuation of costs and benefits associated with Phragmites management and presence, respectively.
1	What to do after the phrags are controlled. How soon do we re-plant and with what? Other weeds love to come in after the Phrags are controlled. What's recommended?
1	product developement for herbicide application, cutting and burning, sources for products and materials
1	Possibly other noxious invasives - giant hogweed (Heracleum mantegazzianum), Black swallow work (Cynanchum louiseae), among others
1	How to do public outreach - every citizen has to be engaged in spotting and controlling phragmites

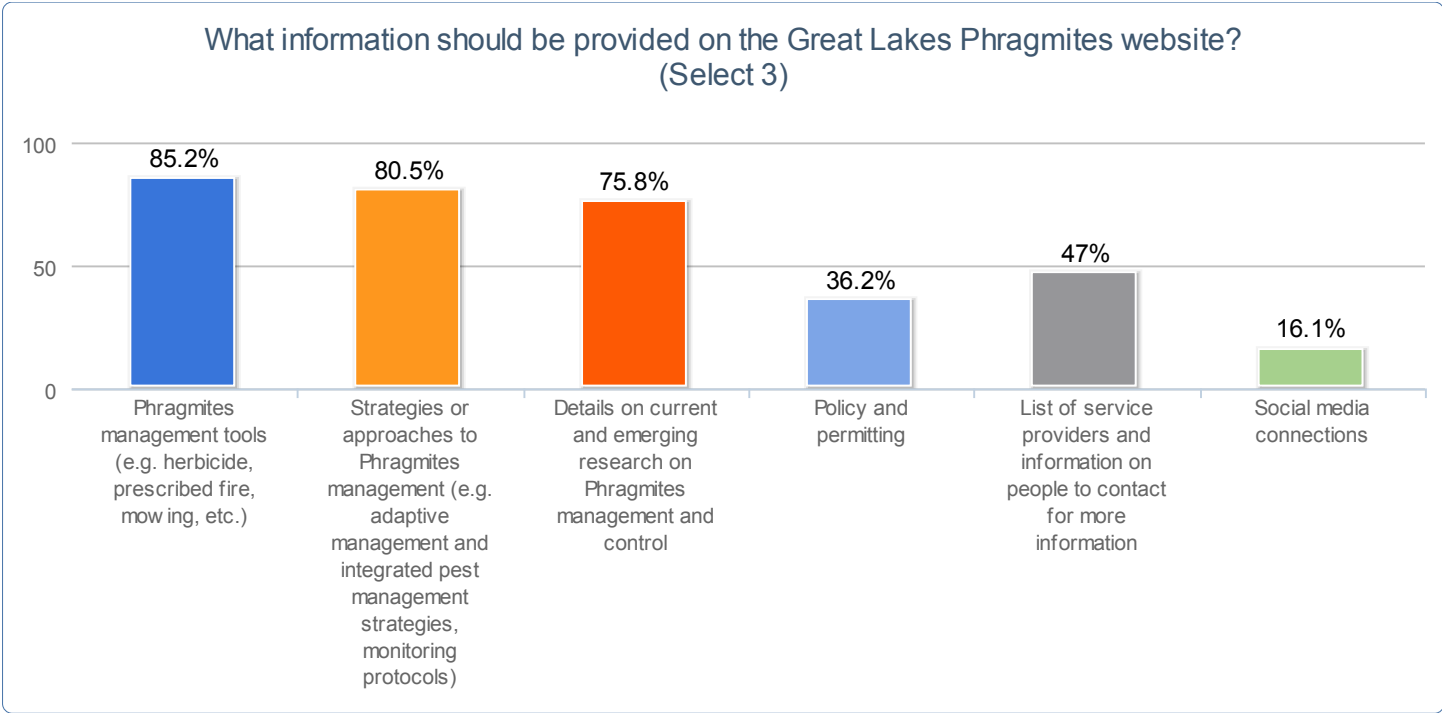


9. What webinar frequency would be most useful to you?

Value	Count	Percent %	Statistics
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Monthly	37	25.3%
Every other month	53	36.3%
Every three months	43	29.5%
Every six months	13	8.9%

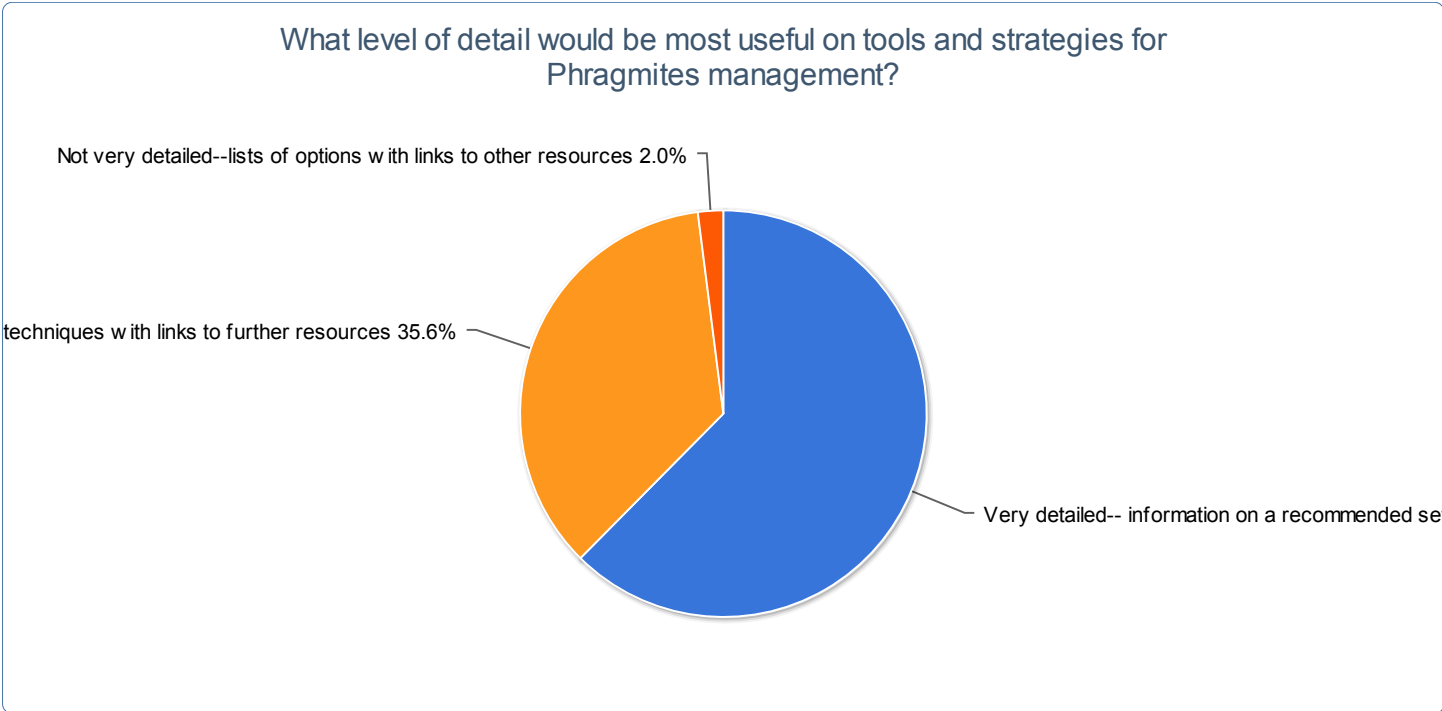
Total Responses	
	146



10. What information should be provided on the Great Lakes Phragmites website? (Select 3)

Value	Count	Percent %
Phragmites management tools (e.g. herbicide, prescribed fire, mowing, etc.)	127	85.2%
Strategies or approaches to Phragmites management (e.g. adaptive management and integrated pest management strategies, monitoring protocols)	120	80.5%
Details on current and emerging research on Phragmites management and control	113	75.8%
Policy and permitting	54	36.2%
List of service providers and information on people to contact for more information	70	47.0%
Social media connections	24	16.1%

Statistics	
Total Responses	149



11. What level of detail would be most useful on tools and strategies for Phragmites management?

Value	Count	Percent %
Very detailed-- information on a recommended set of techniques including suggested timing and application of herbicides etc.	93	62.4%
Moderately detailed--summary information about techniques with links to further resources	53	35.6%
Not very detailed--lists of options with links to other resources	3	2.0%
Summary information on all current techniques with links to further resources	0	0.0%
Decision-support tools such as a flow chart that allowed users to design site-specific management strategies	0	0.0%

Statistics	
Total Responses	149

12. Are there other ways you would like to see information presented?

Count	Response
1	Best management practices
1	I would like to see more cautionary notes regarding Phragmites management
1	Mailed informative discs
1	Not that I can think of at this time
1	Printable materials to share at events
1	See above - very detailed would be ideal, but links to the same info would work as well.

1	Too many websites- not enough f2f
1	enviromental impact
1	hands-on workshops
1	hard copy info sheets
1	http://www.mtri.org/phragmites.html
1	if anyone had litigation against them for attempting to bring phragmites under control
1	no
1	posted presentations
1	press releaes appropriate for local and regional media
1	public radio (NPR)
1	signage for general public to recognze and address problem
1	slides available for download
1	two page fact sheets
1	workshops, a blog,
1	How to get the private landowners invested in keeping Phrag out once the broad-scale removal (and reseeding/restoration) has been completed.
1	I would prefer that there were links to more detailed treatment information, rather than providing all the herbicide info to the public. Scary prospect.
1	Brochure development that can be customized to local area.. State by state approach - connections to DOT's - local building code - zoning - planning recommendations
1	The Midwest-Great Lakes Chapter of the Society for Ecological Restoration has an annual meeting that rotates between the GL states. Perhaps a Phrag workshop/seminar annually at this meeting would be a good place to capture some of the target audience for this Collaboration?
1	one stop shopping is always time efficient but link to others working in the topic area would be helpful.

13. Are you interested in using tools to assist with monitoring, data management, and analysis? If yes, rank your interest from 1-5, with 1= most interested. If no, select NA

Item	Total Score ¹	Overall Rank
Decision-support tools such as a flow chart that allowed users to design site-specific management strategies	468	1
Online database of projects and contact information for project managers	426	2
Mapping tools	399	3
Scalable monitoring and statistical protocols	357	4
Contact information for finding help with data management and analysis	340	5
NA	75	6
Decision support tools	0	7
Total Respondents: 139		

¹ Score is a weighted calculation. Items ranked first are valued higher than the following ranks, the score is the sum of all weighted rank counts.

14. Please provide links to one or two of your favorite Phragmites resources:

Count	Response
1	BMP for Phragmites - OMNR
1	Charlevoix County Soil and Conservation District
1	DNR is only one I know of
1	Git none
1	Michigan DNR/DEQ pages
1	Michigan technical guide
1	Ontario
1	Page coming soon on GLANSIS: http://www.glerl.noaa.gov/res/Programs/glansis/glansis.html
1	Phragmites.org newsletter- Bob Williams
1	XHarpSPAH@aol.com
1	cornell
1	http://michigan.gov/documents/deq/deq-ogl-Guide-Phragmites_204659_7.pdf
1	http://mnfi.anr.msu.edu/phragmites/
1	http://niipp.net/
1	http://saginawbayenergyconsultants.com/
1	http://tinycottager.org/site/
1	http://tncinvasives.ucdavis.edu/
1	http://wiki.bugwood.org/Archive:BCIPEUS
1	http://wiki.bugwood.org/Phragmites_australis
1	http://www.dec.ny.gov/
1	http://www.invasiveplants.net/phragmites/
1	http://www.invasiveplants.net/phragmites/ , http://www.stewartfarm.org/phragmites/index.php
1	http://www.michigan.gov/deq/0,1607,7-135-3313_3677_8314-178183--,00.html
2	http://www.michigan.gov/deq/0,4561,7-135-3313_3677_8314-178183--,00.html
2	http://www.michigan.gov/deq/0,4561,7-135-3313_3681_3710-178183--,00.html
1	http://www.michigan.gov/dnr/0,4570,7-153-10370_12146_12214-180794--,00.html
1	http://www.mtri.org/phragmites.html
1	http://www.mtri.org/phragmites.html ; http://mnfi.anr.msu.edu/phragmites/
1	http://www.ontarioinvasiveplants.ca/files/Phragmites_BMP_July_13.pdf
3	http://www.ontarioinvasiveplants.ca/files/Phragmites_BMP_July_132.pdf
1	http://www.stewardshipnetwork.org/site/c.hrLQKWPILuF/b.1361967/k.755C/The_Stewardship_Network .
1	invasiveplants.net

1	a discussion forum
1	a sense of how extensive Phragmites coverage is in this region
1	clearinghouse of publications on Phragmites
1	comprehensive professional networks
1	comprehensive sense of the problem, especially the impacts/outcomes from doing nothing
1	control specifics
1	cutting red tape
1	database of projects and mapping tools
1	details about herbicides used, agents added to herbicide mixtures
1	hands on
1	how communities can map their phragmites, get money to treat, work with private property owners
1	information on what various agencies are doing and what works best for them
1	lessons learned from treatment and restoration projects
1	links to sustainable land use practice
1	networking and new research strategies
1	one stop shopping for phrag info
1	please see description in 6.
1	regional planning and funding
1	specific strategies for eliminating them from my lakefront property
1	up to date research on effectiveness of various Phragmites management strategies
1	up-to-date information, interactive features
1	what has worked and has not worked for others
1	I do not see people out in the field destroying the plants. We need action, not another committee or a flow chart. We need masses of people in the field ready by September to kill the plants. An organized mass of trained and able to work people.
1	Coordination of work being done - there are at least 5 different MNR phrag projects on the go but no one talking together
2	lists of certified, interested and qualified contractors, presentations to use, flyer pdf's to copy and distribute, lists of others working on phragmites, lobbying opportunities to change regulations, sources for services, equipment and products
1	A lot of detailed info in one place - could be a good role for the collaboration - and info not necessarily needed on the website, but the links to detailed information would be very helpful.
1	Today's webinar was great. I'd be interested to see these three presenters come back in a year or two and talk about these acres that were treated/restored and how effective or ineffective their methods were or what they would do/try differently next time.
1	information about other control efforts throughout the state, including organizations or contractors involved, methods and success rates
1	presently at beginning stage of volunteer-driven management program at Tiny Marsh (eg writing the plan) - will get back to you
1	What is being done anywhere to map pioneer Phrag stands on a wide landscape scale, and work with the local citizens to eliminate these new stands

1	Interactive as you have stated - great not to just read text online!
1	Looking forward to staying tuned and linking in!
1	N/A
1	Not at this time
1	Please make the webinar accesible. It's a great idea, but if people can't see it -- poof.
1	See what religious organizations are doing, such as at the River Raisin Institute
1	Thank you for this effort!
1	a basinwide radar map of phragmites needs to be completed and funded by GLRI
1	avoid duplicicty, generate media ready materials, feature project activities
1	no
1	not at this time.
1	please include Canadians
1	thanks - this is a great start
1	Would like to see information on what homeowners with land adjacent to Great Lakes Bottom land can do to irradiate Phragmites Australis --- without huge permit costs!
1	think it's very important as Atkinson Marsh is overrun with it, no natives left, same is happening elsewhere and will continue if not eradicated
2	I think an important part would be to cover all permitting requirements for every state and province in the great lakes area.
1	The Phragmites management community is diverse, as evidenced by question 1. The webinar series will need to be equally diverse. That said, each webinar should indicate the target audience. As an example, the general public would benefit from a "How to complete the permit and find a contractor" whereas a professional would be more interested in topics such as "Emerging issues: How far off is gene silencing" or "The development of decision support tools for CWMAs". I fear that some if professionals will feel like it's a waste of time and disengage after a few, whereas the general public may be mind-boggled by the technical topics and become overwhelmed.
1	The strategy to how organizations/individuals can better communicate/collaborate to have a larger area free of Phragmites. How to have coordinated, large-scale management.
1	Give equal dedication to ecological and human impacts caused by Phragmites. There are a lot of ecologist/resource professionals who are reluctant to work with private property owners. Healthy communication between great lakes citizens and resource professionals will be key! Look forward to the website! Cheers.
1	This survey would not allow me to rate the above Q13! 1 for each of top four rows, 2 for the fifth row
1	I would like to recommend Paul Fuhrmann of western NY for the steering committee.
1	Many people most involved in phrag management are "local champions" doing work in addition to day jobs. Efforts should be made to make sure these people are engaged and contributing.
1	Available herbicides in various jurisdictions and efficacies, 2. Regulations for control/ sale, and tranport of phragmites, 3.. links to jurisdictional contacts/organizations
1	Can we be real about the use of herbicides? That's the only proven technique for Phrag management that has a broad application over a variety of situations. The other techniques need to be conducted with herbicides anyway to be the most effective, or can only be used in very specific situations. I am not a big fan of herbicide use in general, but that is the only proven effective method

of control we have, and even then, it's not that good. Instead of putting scarce financial resources toward mapping and analysis, or exotic strategies like gene shadowing, we should be researching how to most effectively use chemical controls.

1 Let's focus more on herbicide treatment. I'm not a big fan of herbicide use, but it's the only effective treatment we have. We seem to spend a lot of time talking about mechanical controls and prescribed fire, but they're not control measures. At best, they enhance the effectiveness of herbicide treatment, and at worst, they're a waste of resources. Also, and this is awkward because they're big time partners, but we have to get the regulatory agencies to back off a little. Phragmites treatment is difficult enough without costly and time-consuming permit requirements to treat Phrag that don't really add value in terms of environmental protection. If these requirements get too burdensome, entities like my agency are just going to stop treating, figuring letting the Phragmites thrive is less costly in the long run than having to follow permit requirements that are a) not in existing statutes, and b) add time and trouble to the treatment process that is disproportionate to what control we're actually able to achieve. I understand the quandry; the regulators don't like the use of herbicides and yet they understand if they truly want Phrag controlled, that's all we have. They have to find some balance or people are just going to stop.

1 Phragmites management is going to move in a more holistic direction. I think that modelling the Collaborative on institutions such as <http://nemo.uconn.edu/> would have the greatest potetnlial to affect change.

1 Our local ecosystem was first severely impacted by increased salinity from identified point sources, which created conditions that led to our Phragmites invasion. My question, related to our experience, is whether or not, within the population of other Phragmites sites, to what extent are Phragmites invasions attributable to known loading of agents (salt, etc.) from fairly well established sources? That might be an interesting correlation to share accross the board.

1 Everyone is trying to jump into the educational outreach niche with no thought as to who the "customer" is..

1 I would like to see a detailed map of Michigan and all the Phrag locations. Updated annually. That would show if we are making any progress. Also a sort of community outreach program to educate the public about the concerns of Phrags and why we do what we do. A lot of people are anti-pesticides, no matter what.

1 I just filled out the beginning part of the survey but accidentally pressed enter. I didn't get to go to the end to be added to the steering committee. Please add me, thanks, R