

The Gulf of Mexico Marine Protected Areas Network

Audience Needs Assessment Survey Results

Ryan Young and Tabitha Stadler

Ryan Young, Project Coordinator

Tabitha Stadler, Coastal Training Program Coordinator

Rookery Bay National Estuarine Research Reserve

300 Tower Road, Naples, Florida 34113

www.rookerybay.org

Ryan.young@dep.state.fl.us

Tabitha.stadler@dep.state.fl.us

The following information is based on an online survey that was emailed to 40 Gulf Coast Marine Protected Area (MPA) managers in March of 2011. The survey was distributed using SurveyMonkey online survey service. Twenty-one managers responded for a 50% return rate. The purpose of the survey was to identify common issues, concerns, and activities among Gulf Coast MPAs prior to a regional MPA meeting. The meeting was held on April 18 and 19 of 2011 to discuss strategies for better communication, coordination and collaboration on the activities identified. This report describes the results of the survey highlighting common responses from both multiple choice and open response questions.

Survey Questions and Responses:

Below is an overview of select survey responses. To see detailed analysis of survey results see Appendix 1 or refer to the page number in parenthesis next to each question. A full copy of the survey sent to Gulf MPA managers can be reviewed in Appendix 2.

Question 3. Please indicate which agency or organization your MPA belongs to: (pg. 12)

- National Park Service (25%)
- US Fish and Wildlife Service (35%)
- NOAA National Marine Sanctuaries (25%)
- National Estuarine Research Reserves (15%)

Question 4. Please indicate your role at your coastal or marine protected area: (pg. 13)

- Site Manager/Superintendent or Deputy (50%)
- Regional Manger (10%)
- Other (40%)
 - HQ office, Biologist, Interim Science Coordinator, Program Coordinator, Regional, Program Coordinator, Ocean and Coastal Program Specialist, Natural Resource Program Manager

Question 5. Is your site an official member of the National System of Marine Protected Areas? (pg. 13)

- Yes (70%)
- No (20%)
- Unknown (10%)

Question 8. Please select the three ecosystems which best describe your site: (pg. 14)

The following list includes the top three answers of 18 possible choices.

- Estuary (62.5%, 10 responses of 16)
- Open Water (50%, 8 responses of 16)
- Salt Marsh (37.5%, 6 responses of 16)

Question 9. Please indicate the number of dedicated staff working at your site: (pg.15)

- 0-5 (14.3%)
- 5-10 (0%)
- 10-15 (21.4%)
- 15-20 (14.3%)
- >20 (50%)

Question 10. How often does your staff engage in the following activities? (pg. 8, pg. 16) Number values were calculated by assigning a value of 0-7 to the 8 answer choices and calculating a mean average of those values based on the responses of survey participants. The top six answers of 20 possible choices are shown below.

- Education (6.23)
- Outreach (6.15)
- Research (6.08)
- Geospatial Skills (GIS, remote sensing, etc.) (6.00)
- Monitoring (5.92)
- Enforcement (5.69)

Question 11. Which of these activities would you like to improve or expand upon? (pg. 9, pg. 17)

- Climate Change: Risk Assessment and Adaptation (86.7 %, 13 of 15 responses)
- Outreach (66.7%, 10 of 15 responses)
- Enforcement (60%, 9 of 15 responses)
- Education (60%, 9 of 15 responses)
- Monitoring (46.7%, 7 of 15 responses)

Question 12. Which of these activities does your site currently not have the resources to pursue? (pg. 10, pg. 11, pg. 18)

- Climate Change: Risk Assessment and Adaptation (58.3%, 7 of 12 responses)
- Regulatory Development Research (41.7%, 5 of 12 responses)
- Permitting (33.3%, 4 of 12 responses)
- Enforcement (33.3%, 4 of 12 responses)
- Zonal and Fisheries Management (33.3%, 4 of 12 responses)
- Communications (33.3%, 4 of 12 responses)

Question 14. Are you willing to share this expertise with other MPAs? (pg. 18)

- Yes (78.6%)
- No (0%)
- Unsure (21.4%)

Question 17. How often do you communicate with other Gulf Coast MPAs of the following agencies? (pg. 17)

- Never (26.9 %)
- Annually (8.7 %)
- Quarterly (29.53 %)
- Monthly (12.45 %)
- Weekly (22.43 %)

Open-Ended Survey Responses:

Question 6. Please explain what benefits you perceive from being a part of the National MPA system:

Responses:

- National recognition (5 of 13 responses)
- Networking (5 of 13 responses)
- Coordination (4 of 13 responses)
- Increased communication (4 of 13 responses)
- Shared resources (3 of 13 responses)
- Enhanced protection of wetlands from O&G and other uses
- Long-term linkages

Question 7. Please explain what obstacles exist to prevent you from becoming an official member of the National MPA system:

Responses:

- Approval from land owning partners needed to join system
- Unknown

Question 13. What is your site's greatest strength or asset?

Responses:

- Monitoring (3 of 13)
- Research (3 of 13)
- Staff (3 of 13)
- Collaborative partnerships
- Recognition and appreciation
- Longstanding monitoring programs
- Research/Natural laboratories
- Knowledge
- Coral reef monitoring
- Integration of ecosystem function and biological connectivity issues
- Education
- Federal regulations

Question 15. Please list your top three coastal management challenges:

Responses:

- Climate change impacts (5 of 14)
- Sea-level-rise (4 of 14)
- Erosion/subsidence (3 of 14)
- Interagency collaboration and communication (3 of 14)
- Boundary issues (2 of 14)
- Invasive species (2 of 14)
- Fire management (2 of 14)
- Fisheries management (2 of 14)
- Water quality (2 of 14)
- Enforcement (2 of 14)
- Freshwater inflow/hydrologic alteration (2 of 14)
- Land use (2 of 14)
- Funding
- Wildlife-public conflicts
- Restoration
- Marine debris
- Visitor use
- Oil and gas resource issues
- Outreach
- Hurricane protection
- Permitting
- Public awareness
- Mixed jurisdiction

Question 18. How do you currently work with other Gulf MPAs? Please Specify:

Responses:

- Existing networks/working groups
- Cooperative fire management
- Sharing of documents
- Cooperative habitat management
- Addressing management challenges
- Collaboration on education and outreach events
- Collaboration on law enforcement issues
- Addressing agency specific issues
- Collaborative research
- Do not currently work with other MPAs

Question 19. Please list three coastal management strategies you are currently using to address climate change and its associated impacts:

Responses:

- Monitoring (8 of 10)
- Education (5 of 10)
- Research (5 of 10)
- Restoration (5 of 10)
- Habitat management/restoration (4 of 10)
- Land acquisition
- Shoreline protection
- Models (SLAMM)
- Fire management
- State action plans

Question 20. What coastal management strategies would you like to use, but have been unable to employ, to address climate change?

Responses:

- Small scale climate and SLR modeling (2 of 9)
- More active engagement by states
- Emission reduction
- Sea level monitoring
- Land acquisition/protection
- Communications and outreach
- Restoration
- Shoreline protection
- Unsure

Question 21. What have been the obstacles to implementing climate change strategies?

Responses:

- Lack of funding (4 of 11)
- Lack of knowledge (methods/data) (4 of 11)
- Time requirements/Lack of staff (3 of 11)
- Public's disbelief (2 of 11)
- Politics
- Regulatory policies
- Lack of focus

Question 22. The goal of this project is to seek opportunities to coordinate Gulf MPAs. What are some barriers to effective coordination? Please list a few and explain:

Responses:

- Limited time (4 responses of 10)
- Limited resources and funds (3 responses of 10)
- Lack of knowledge and understanding of MPAs (2 responses of 10)
- Different agency directives and priorities (2 responses of 10)
- Jurisdictional restrictions
- Changing attitudes, perceptions, and behaviors (Education/Outreach)

Question 23. What are some benefits to Gulf of Mexico MPA coordination?

Responses:

- Collaborative research and monitoring opportunities (3 responses of 8)
- Sharing of information (3 responses of 8)
- Develop coordinated efforts on priority issues (2 responses of 8)
- Enhance communication
- Save time and money
- Identify needs for research, resource protection, gulf recovery, etc.
- Learn from the experiences of others

Question 24. If we were to succeed in creating a Gulf network MPA plan, what would be the tangible, on-the-ground benefits to your MPA?

Responses:

- Identify and act upon regional priorities
- Improve communication/partnerships
- Increase regional data and information
- Share ideas (Education/outreach, research, etc.)
- Increase awareness of climate change
- Long-term regional monitoring network
- Cost sharing (LIDAR, GIS, mapping, expertise, etc.)
- Share a common and consistent regional message in Education/Outreach
- Collaborative research and monitoring (Gulf Recovery, etc.)
- Give joint action and policy recommendations

Question 25. What coastal management strategies or activities would you like to accomplish but have not been able to? Why?

Responses:

- Addressing Issues of:
 - o Erosion
 - o Subsistence
 - o Habitat management
 - o Water quality
 - o Climate
 - o Freshwater inflow
 - o Land use/Wilderness area use
 - o Education and outreach
 - o Hydrology
 - o Shoreline protection
 - o Marsh creation/restoration
- Improve communication between Gulf Coast MPAs and understand why it is important
- Create no-take zones

Why these limitations exist:

- Lack of authority
- Lack of time
- Differing priority issues
- Politics

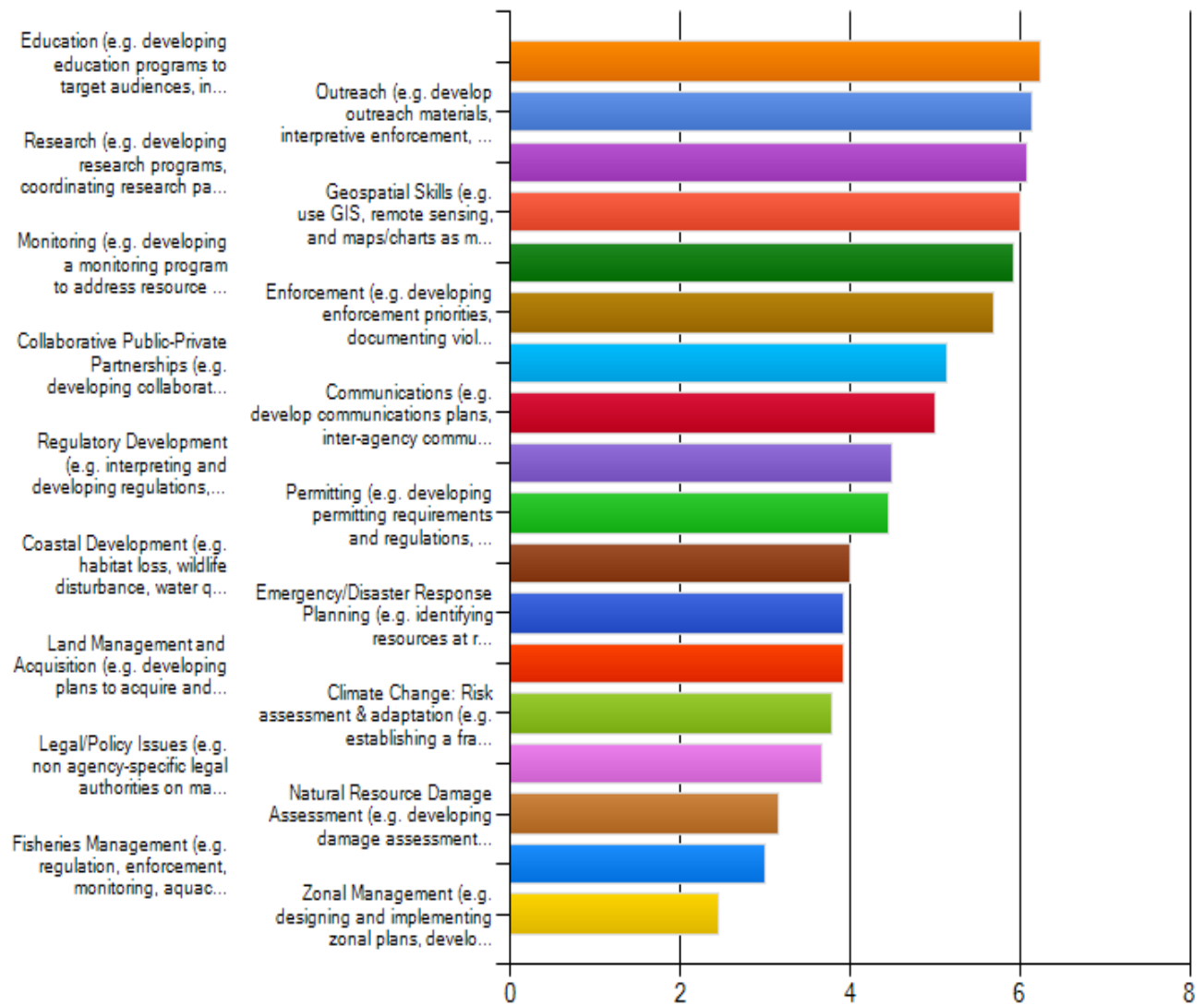
Appendix 1 – Detailed Survey Analysis

Question 10

Values indicated by the graph below were calculated using an average of the values assigned to each frequency category which included; never, rare occasion, every other year, once a year, quarterly, monthly, weekly, and N/A. Based on the given responses, values were added for each activity and a mean value was calculated based on the number of respondents.

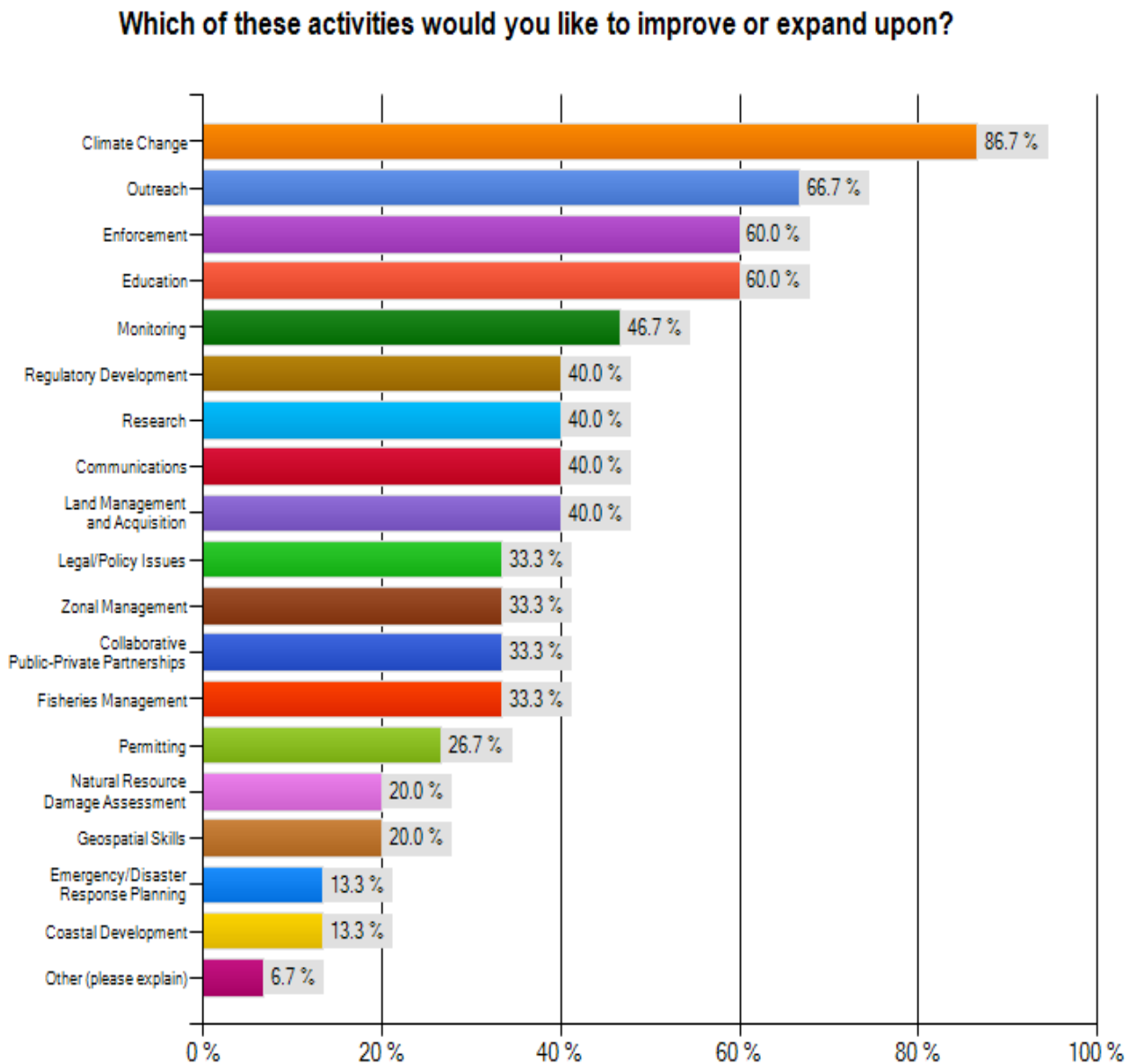
Graphs

How often does your staff engage in the following activities:



Question 11

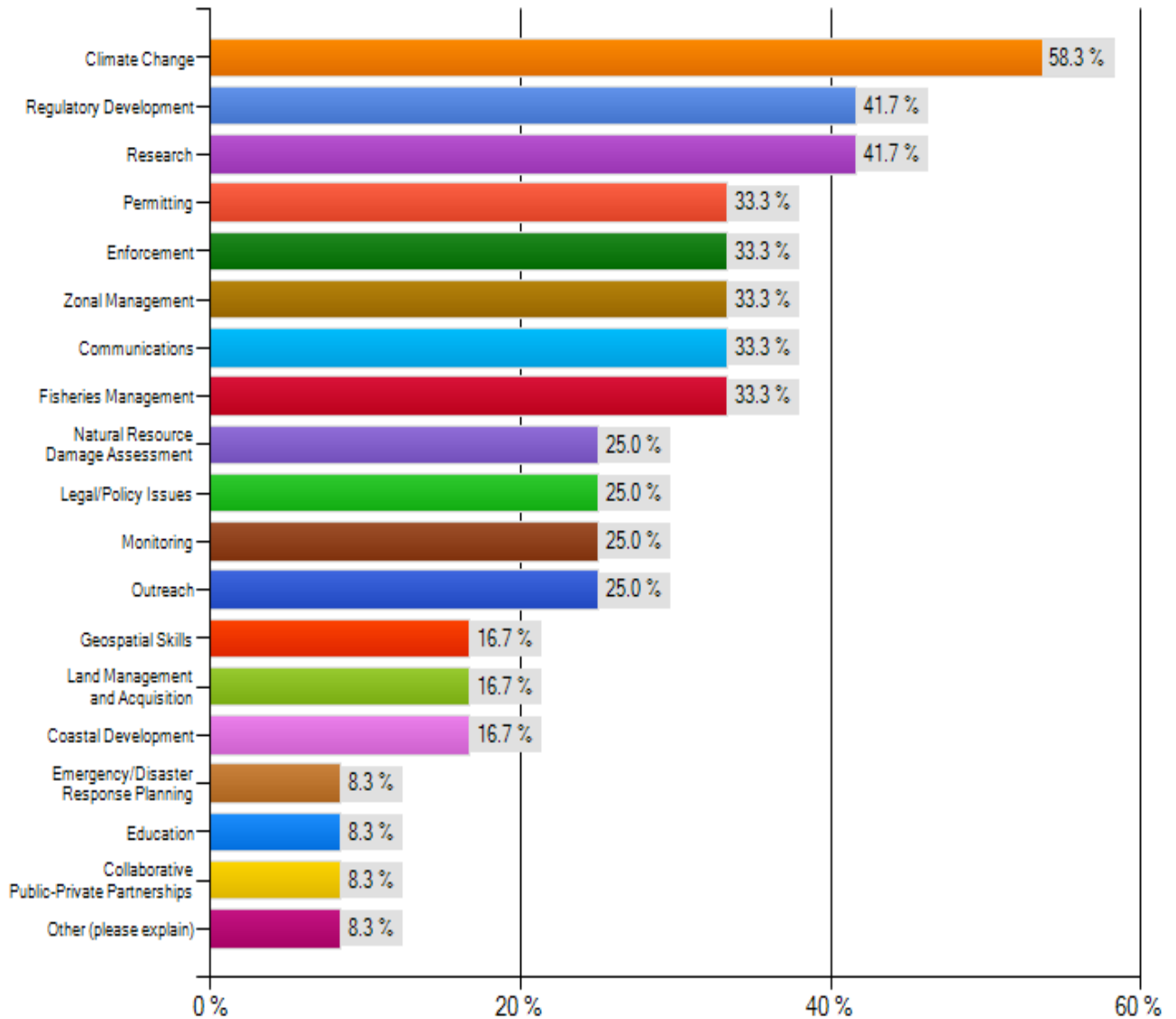
The graph below shows the percentage of MPA managers that indicated that they would like to improve or expand upon each of the listed activities.



Question 12

The graph below shows the percentage of MPA managers that indicated that they do not currently have the resources to pursue each of the listed activities.

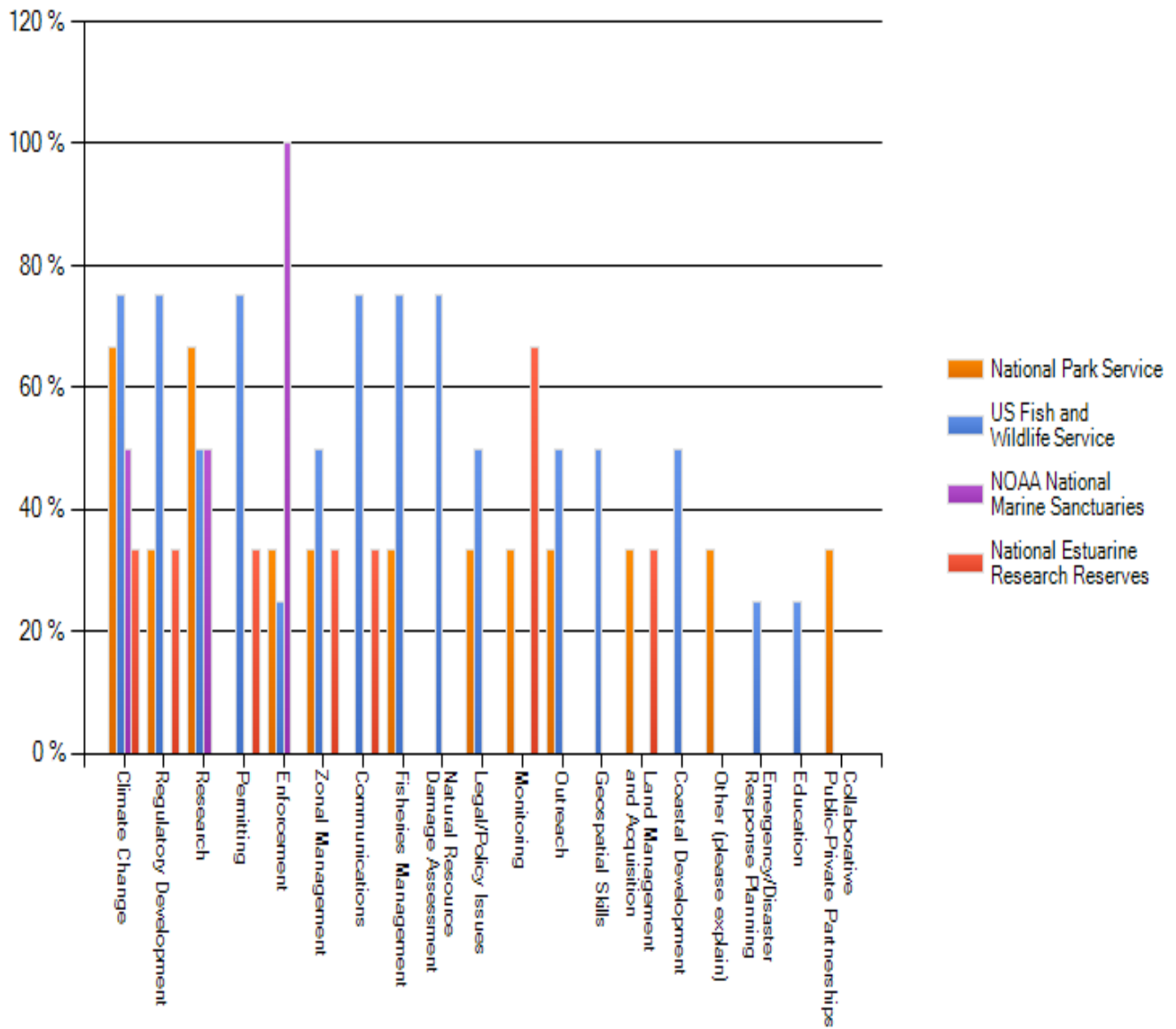
Which of these activities does your site currently not have the resources to pursue?



Question 12

The graph below shows the percentage of MPA managers from each type of MPA represented that indicated that they do not currently have the resources to pursue each of the listed activities.

Which of these activities does your site currently not have the resources to pursue?

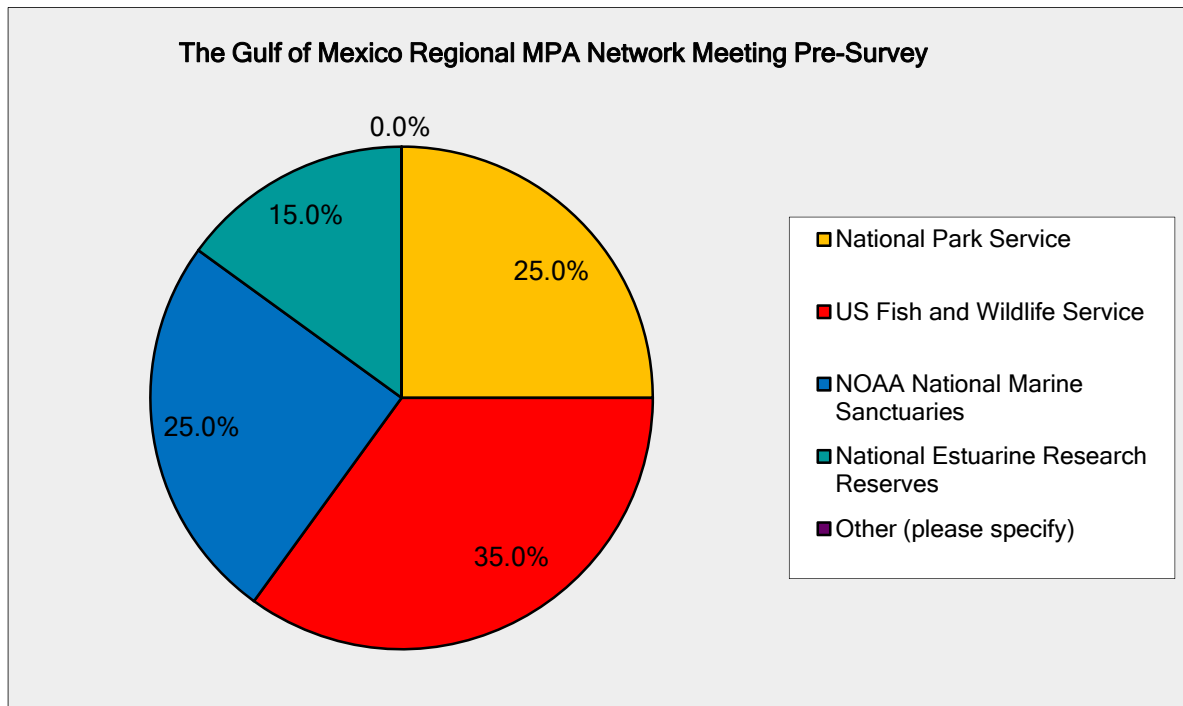


Question 3. Please indicate which agency of organization your MPA belongs to:

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Please indicate which agency or organization your MPA belongs to:

Answer Options	Response Percent	Response Count
National Park Service	25.0%	5
US Fish and Wildlife Service	35.0%	7
NOAA National Marine Sanctuaries	25.0%	5
National Estuarine Research Reserves	15.0%	3
Other (please specify)	0.0%	0
<i>answered question</i>		20
<i>skipped question</i>		1



Question 4. Please indicate your role at your coastal or marine protected area:

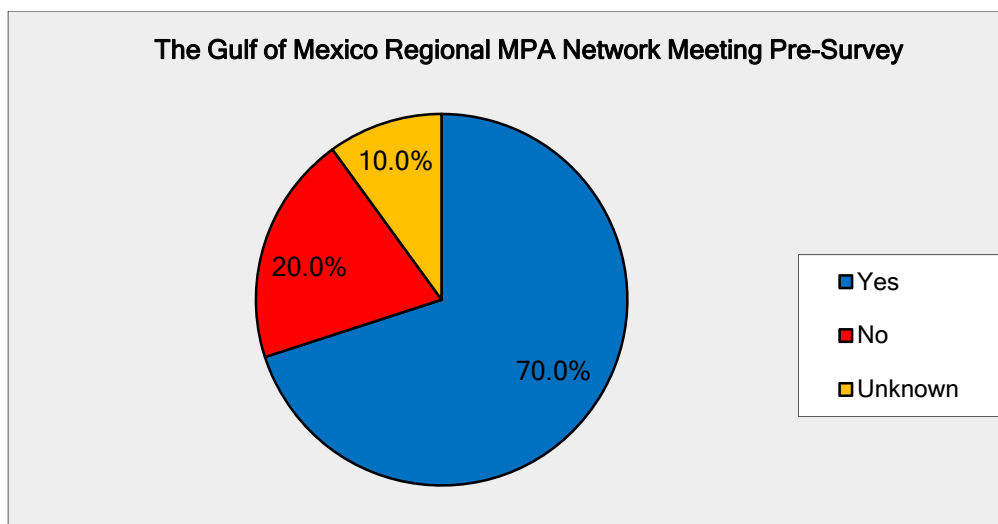
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Please indicate your role at your coastal or marine protected area:		
Answer Options	Response Percent	Response Count
Site Manager/Superintendent or Deputy	50.0%	10
Regional Manager	10.0%	2
Both	0.0%	0
Other (please explain your role)	40.0%	8
<i>answered question</i>		20
<i>skipped question</i>		1

Question 5. Is your site an official member of the National System of Marine Protected Areas?

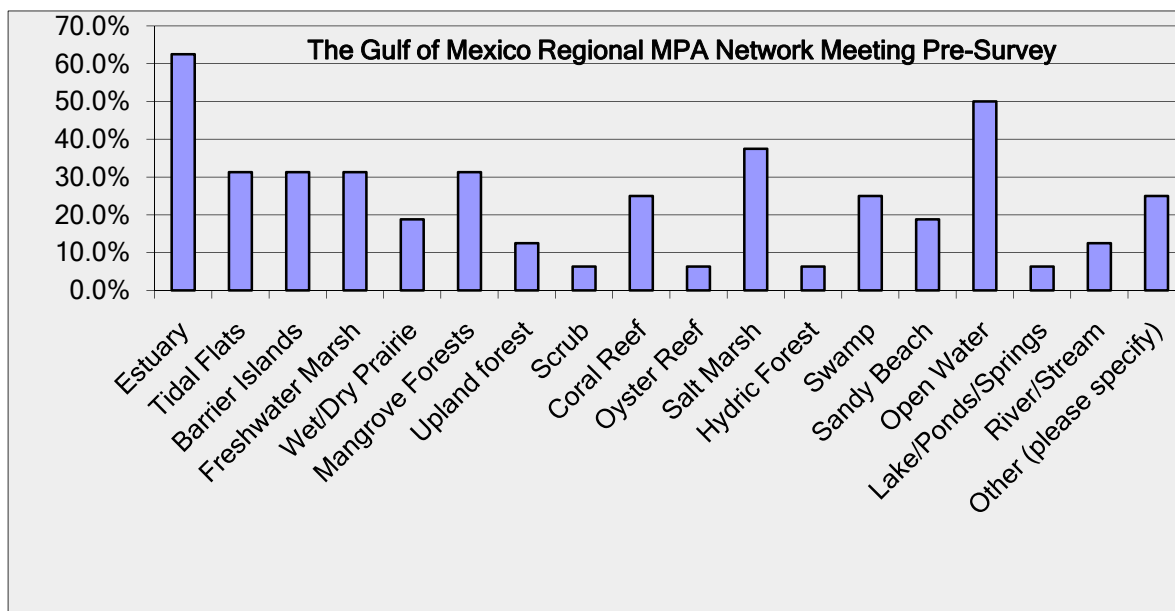
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Is your site an official member of the National System of Marine Protected Areas?		
Answer Options	Response Percent	Response Count
Yes	70.0%	14
No	20.0%	4
Unknown	10.0%	2
<i>answered question</i>		20
<i>skipped question</i>		1



Question 8. Please select the three ecosystems which best describe your site:

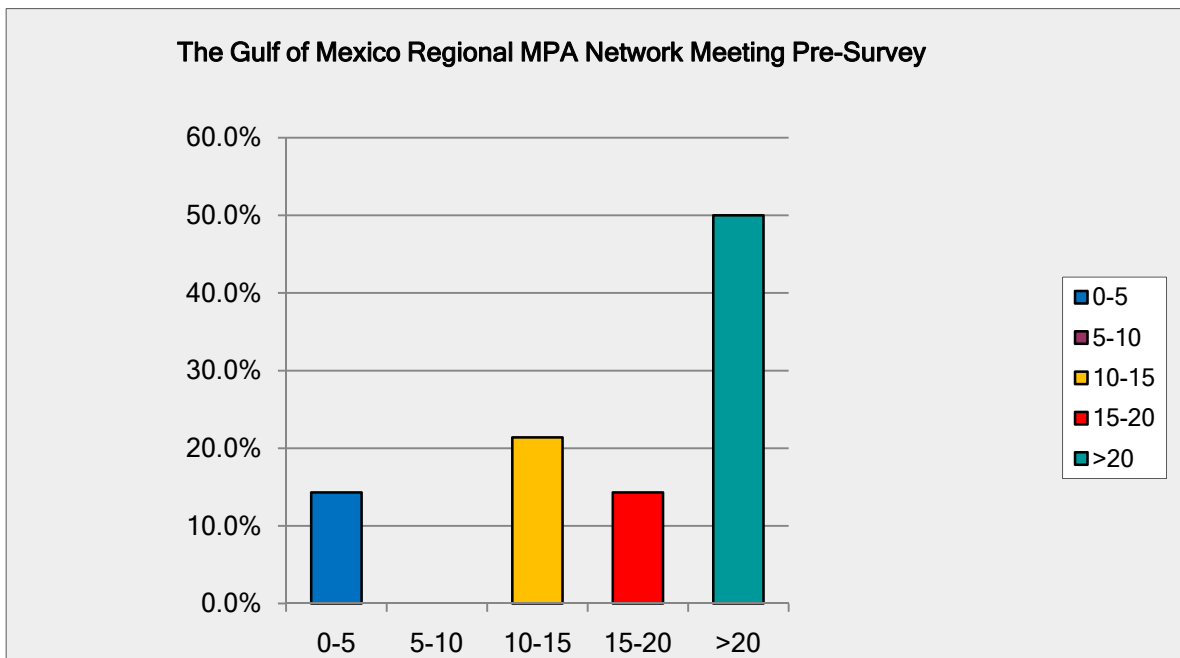
The Gulf of Mexico Regional MPA Network Meeting Pre-Survey		
Please select the three ecosystems which best describe your site:		
Answer Options	Response Percent	Response Count
Estuary	62.5%	10
Tidal Flats	31.3%	5
Barrier Islands	31.3%	5
Freshwater Marsh	31.3%	5
Wet/Dry Prairie	18.8%	3
Mangrove Forests	31.3%	5
Upland forest	12.5%	2
Scrub	6.3%	1
Coral Reef	25.0%	4
Oyster Reef	6.3%	1
Salt Marsh	37.5%	6
Hydric Forest	6.3%	1
Swamp	25.0%	4
Sandy Beach	18.8%	3
Open Water	50.0%	8
Lake/Ponds/Springs	6.3%	1
River/Stream	12.5%	2
Other (please specify)	25.0%	4
<i>answered question</i>		16
<i>skipped question</i>		5



Question 9. Please indicate the number of dedicated staff working at your site:

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Please indicate the number of dedicated staff working at your site:		
Answer Options	Response Percent	Response Count
0-5	14.3%	2
5-10	0.0%	0
10-15	21.4%	3
15-20	14.3%	2
>20	50.0%	7
<i>answered question</i>		14
<i>skipped question</i>		7



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How often does your staff engage in the following activities:

Answer Options	never	rare occasion	every other year	once a year	quarterly	monthly	weekly	N/A	Rating Average	Response Count
Regulatory Development (e.g. interpreting and	1	3	0	3	2	1	4	1	4.50	15
Permitting (e.g. developing permitting requirements	2	3	0	0	2	2	4	1	4.46	14
Enforcement (e.g. developing enforcement priorities,	1	0	0	0	5	1	6	1	5.69	14
Natural Resource Damage Assessment (e.g.	2	6	0	2	1	0	2	1	3.15	14
Climate Change: Risk assessment & adaptation (e.g.	1	4	0	4	2	3	0	0	3.79	14
Legal/Policy Issues (e.g. non agency-specific legal	2	3	0	3	1	2	1	2	3.67	14
Zonal Management (e.g. designing and implementing	5	4	0	0	0	0	2	3	2.45	14
Emergency/Disaster Response Planning (e.g.	1	1	1	7	1	2	0	1	3.92	14
Monitoring (e.g. developing a monitoring program to	0	1	0	0	3	3	6	1	5.92	14
Research (e.g. developing research programs,	0	0	1	0	2	4	6	1	6.08	14
Education (e.g. developing education programs to	0	0	0	1	2	3	7	1	6.23	14
Outreach (e.g. develop outreach materials, interpretive	0	0	0	1	3	2	7	0	6.15	13
Communications (e.g. develop communications plans,	0	2	1	2	2	2	4	0	5.00	13
Geospatial Skills (e.g. use GIS, remote sensing, and	0	0	0	2	2	3	6	1	6.00	14
Land Management and Acquisition (e.g. developing	3	0	2	3	1	3	1	1	3.92	14
Collaborative Public-Private Partnerships (e.g.	0	0	1	2	6	4	1	0	5.14	14
Fisheries Management (e.g. regulation, enforcement,	3	5	0	0	2	1	1	2	3.00	14
Coastal Development (e.g. habitat loss, wildlife	2	3	0	2	1	4	1	1	4.00	14
Other (please explain)										1
<i>answered question</i>										15
<i>skipped question</i>										6

Question 10. How often does your site engage in the following activities?

Question11. Which of these activities would you like to improve or expand upon?

The Gulf of Mexico Regional MPA Network Meeting Pre-Survey		
Which of these activities would you like to improve or expand upon?		
Answer Options	Response Percent	Response Count
Regulatory Development	40.0%	6
Permitting	26.7%	4
Enforcement	60.0%	9
Natural Resource Damage Assessment	20.0%	3
Climate Change	86.7%	13
Legal/Policy Issues	33.3%	5
Zonal Management	33.3%	5
Emergency/Disaster Response Planning	13.3%	2
Monitoring	46.7%	7
Research	40.0%	6
Education	60.0%	9
Outreach	66.7%	10
Communications	40.0%	6
Geospatial Skills	20.0%	3
Land Management and Acquisition	40.0%	6
Collaborative Public-Private Partnerships	33.3%	5
Fisheries Management	33.3%	5
Coastal Development	13.3%	2
Other (please explain)	6.7%	1
	<i>answered question</i>	15
	<i>skipped question</i>	6

Question 12. Which of these activities does your site currently not have the resources to pursue?

The Gulf of Mexico Regional MPA Network Meeting Pre-Survey		
Which of these activities does your site currently not have the resources to pursue?		
Answer Options	Response Percent	Response Count
Regulatory Development	41.7%	5
Permitting	33.3%	4
Enforcement	33.3%	4
Natural Resource Damage Assessment	25.0%	3
Climate Change	58.3%	7
Legal/Policy Issues	25.0%	3
Zonal Management	33.3%	4
Emergency/Disaster Response Planning	8.3%	1
Monitoring	25.0%	3
Research	41.7%	5
Education	8.3%	1
Outreach	25.0%	3
Communications	33.3%	4
Geospatial Skills	16.7%	2
Land Management and Acquisition	16.7%	2
Collaborative Public-Private Partnerships	8.3%	1
Fisheries Management	33.3%	4
Coastal Development	16.7%	2
Other (please explain)	8.3%	1
<i>answered question</i>		12
<i>skipped question</i>		9

Question 14. [Q13] Are you willing to share this expertise with other MPAs?

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[Q13]Are you willing to share this expertise with other MPA's?		
Answer Options	Response Percent	Response Count
Yes	78.6%	11
No	0.0%	0
Unsure	21.4%	3
<i>answered question</i>		14
<i>skipped question</i>		7

Question16. Please specify your level of knowledge of the activities and resources of the following GulfCoast MPAs:

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Please specify your level of knowledge of the activities and resources of the following Gulf Coast MPAs:

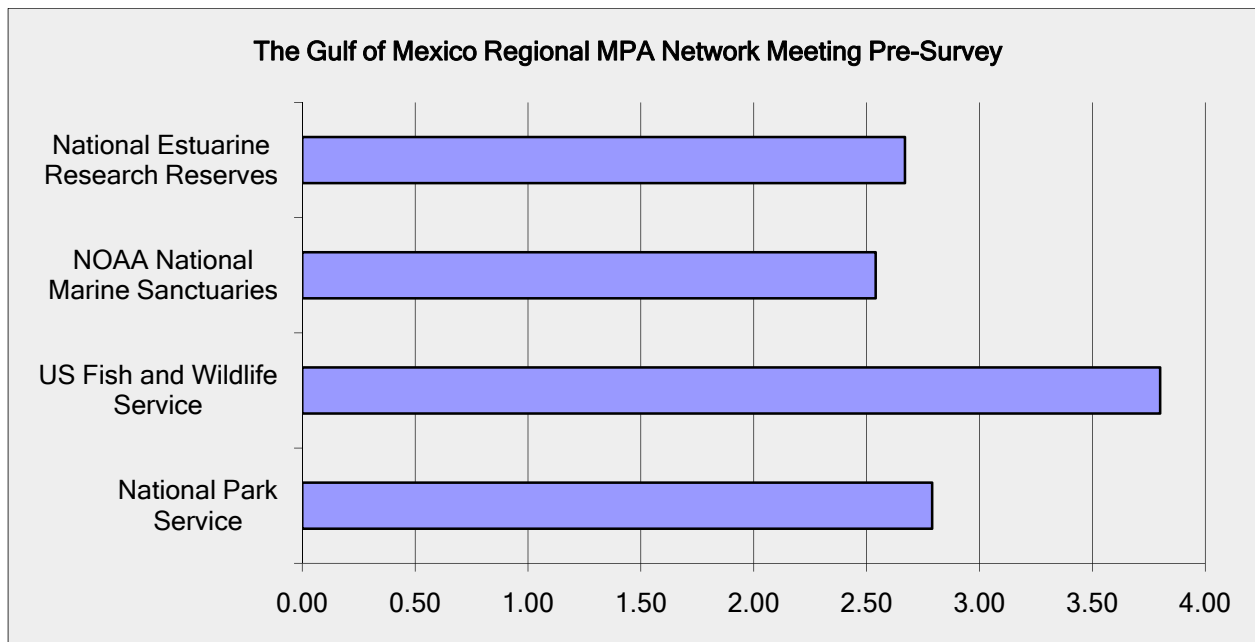
Answer Options	least familiar		most familiar		Rating Average	Response Count
Jean Lafitte National Park	10	0	1	1	2.00	14
Gulf Islands National Seashore	8	3	0	2	2.13	15
Everglades National Park	6	1	1	5	2.73	15
Biscayne National Park	6	0	3	3	2.80	15
Padre Island National Seashore	6	3	3	0	2.40	15
Florida Keys National Marine Sanctuary	7	0	1	1	2.93	15
Flower Garden Banks National Marine Sanctuary	9	0	1	2	2.33	15
Texas Coast National Wildlife Refuges	7	3	0	3	2.33	15
Southeast Louisiana National Wildlife Refuge Complex	8	5	0	1	1.80	15
Ten-Thousand Island National Wildlife Refuge	10	2	1	2	1.80	15
St. Mark's National Wildlife Refuge	9	2	2	1	1.87	15
St. Vincent National Wildlife Refuge	9	2	2	1	1.87	15
Florida Keys National Wildlife Refuges	6	1	2	4	2.67	15
Rookery Bay Estuarine Research Reserve	4	2	4	2	2.80	15
Apalachicola National Estuarine Research Reserve	7	3	1	3	2.00	14
Weeks Bay National Estuarine Research Reserve	8	3	2	2	1.87	15
Grand Bay National Estuarine Research Reserve	8	2	1	2	2.20	15
Mission-Aransas National Estuarine Research Reserve	7	1	2	2	2.36	14
The Nature Conservancy - Florida Keys	8	2	1	3	2.13	15
The National Marine Protected Areas Center	7	2	2	3	2.27	15
<i>answered question</i>						15
<i>skipped question</i>						6

Question 17. How often do you communicate with other Gulf Coast MPAs of the following agencies?

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How often do you communicate with other Gulf Coast MPAs of the following agencies:

Answer Options	never	annually	quarterly	monthly	weekly	Rating Average	Response Count
National Park Service	3	1	8	0	2	2.79	14
US Fish and Wildlife Service	1	1	5	1	7	3.80	15
NOAA National Marine Sanctuaries	6	1	1	3	2	2.54	13
National Estuarine Research Reserves	5	2	3	3	2	2.67	15
<i>answered question</i>							15
<i>skipped question</i>							6



Appendix 2 - Survey

The Gulf of Mexico Regional MPA Network Meeting Pre-Survey

1. Personal Information

This survey is funded by the National Fish and Wildlife Foundation in partnership with the Friends of Rookery Bay and is intended to assist in the development of a regional MPA plan for the Gulf of Mexico. The goals of this survey are to:

- Identify issues and topics of mutual concern for Gulf MPA's
- Identify activities of shared interest among Gulf MPA's
- Identify obstacles to participating in the MPA designation process
- Identify similarities and differences among Gulf MPA's
- Identify obstacles and opportunities for implementing a Gulf MPA network plan

The survey will take approximately 10-15 minutes to complete.

An MPA is defined as:

Marine Protected Areas (MPAs) - any area of the marine environment that has been reserved by federal, state, territorial, tribal, or local laws or regulations to provide lasting protection for part or all of the natural and cultural resources therein.

1. Please enter the following information:

Name:	<input type="text"/>
Title:	<input type="text"/>
MPA:	<input type="text"/>
City/Town:	<input type="text"/>
State:	<input type="text"/>
ZIP/Postal Code:	<input type="text"/>
Email Address:	<input type="text"/>
Phone Number:	<input type="text"/>

2. If your MPA has a website, please provide it below:

3. Please indicate which agency or organization your MPA belongs to:

- National Park Service
- US Fish and Wildlife Service
- NOAA National Marine Sanctuaries
- National Estuarine Research Reserves
- Other (please specify)

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4. Please indicate your role at your coastal or marine protected area:

- Site Manager/Superintendent or Deputy
- Regional Manager
- Both
- Other (please explain your role)

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2.

5. Is your site an official member of the National System of Marine Protected Areas?

- Yes
- No
- Unknown

6. If yes, please explain what benefits you percieve from being a part of the National MPA system.

7. If No, please explain what obstacles exist to prevent you from becoming an official member of the National MPA system.

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3. MPA Site Details

The following questions will address details about your site's staff, activities, and challenges.

8. Please select the three ecosystems which best describe your site:

- Estuary
- Tidal Flats
- Barrier Islands
- Freshwater Marsh
- Wet/Dry Prairie
- Mangrove Forests
- Upland forest
- Scrub
- Coral Reef
- Oyster Reef
- Salt Marsh
- Hydric Forest
- Swamp
- Sandy Beach
- Open Water
- Lake/Ponds/Springs
- River/Stream
- Other (please specify)

9. Please indicate the number of dedicated staff working at your site:

- 0-5
- 5-10
- 10-15
- 15-20
- >20

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Coastal Development (e.g. habitat loss, wildlife disturbance, water quality, coastal tourism, waste management)



Other (please explain)

11. Which of these activities would you like to improve or expand upon?

- | | |
|---|--|
| <input type="checkbox"/> Regulatory Development | <input type="checkbox"/> Research |
| <input type="checkbox"/> Permitting | <input type="checkbox"/> Education |
| <input type="checkbox"/> Enforcement | <input type="checkbox"/> Outreach |
| <input type="checkbox"/> Natural Resource Damage Assessment | <input type="checkbox"/> Communications |
| <input type="checkbox"/> Climate Change | <input type="checkbox"/> Geospatial Skills |
| <input type="checkbox"/> Legal/Policy Issues | <input type="checkbox"/> Land Management and Acquisition |
| <input type="checkbox"/> Zonal Management | <input type="checkbox"/> Collaborative Public-Private Partnerships |
| <input type="checkbox"/> Emergency/Disaster Response Planning | <input type="checkbox"/> Fisheries Management |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Coastal Development |
| <input type="checkbox"/> Other (please explain) | |

12. Which of these activities does your site currently not have the resources to pursue?

- | | |
|---|--|
| <input type="checkbox"/> Regulatory Development | <input type="checkbox"/> Research |
| <input type="checkbox"/> Permitting | <input type="checkbox"/> Education |
| <input type="checkbox"/> Enforcement | <input type="checkbox"/> Outreach |
| <input type="checkbox"/> Natural Resource Damage Assessment | <input type="checkbox"/> Communications |
| <input type="checkbox"/> Climate Change | <input type="checkbox"/> Geospatial Skills |
| <input type="checkbox"/> Legal/Policy Issues | <input type="checkbox"/> Land Management and Acquisition |
| <input type="checkbox"/> Zonal Management | <input type="checkbox"/> Collaborative Public-Private Partnerships |
| <input type="checkbox"/> Emergency/Disaster Response Planning | <input type="checkbox"/> Fisheries Management |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Coastal Development |
| <input type="checkbox"/> Other (please explain) | |

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13. What is your site's greatest strength or asset?

14. [Q13]Are you willing to share this expertise with other MPA's?

- Yes
- No
- Unsure

15. Please list your top three coastal management challenges.

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4. Communication, coordination, and collaboration among Gulf Coast MPAs

The following questions address the current levels of communication, coordination, and collaboration among Gulf Coast MPAs.

16. Please specify your level of knowledge of the activities and resources of the following Gulf Coast MPAs:

	least familiar				most familiar
Jean Lafitte National Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gulf Islands National Seashore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Everglades National Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biscayne National Park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Padre Island National Seashore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Florida Keys National Marine Sanctuary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flower Garden Banks National Marine Sanctuary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Texas Coast National Wildlife Refuges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Southeast Louisiana National Wildlife Refuge Complex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ten-Thousand Island National Wildlife Refuge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
St. Mark's National Wildlife Refuge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
St. Vincent National Wildlife Refuge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Florida Keys National Wildlife Refuges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rookery Bay Estuarine Research Reserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apalachicola National Estuarine Research Reserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weeks Bay National Estuarine Research Reserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grand Bay National Estuarine Research Reserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mission-Aransas National Estuarine Research Reserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Nature Conservancy - Florida Keys	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The National Marine Protected Areas Center	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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17. How often do you communicate with other Gulf Coast MPAs of the following agencies:

	never	annually	quarterly	monthly	weekly
National Park Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
US Fish and Wildlife Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOAA National Marine Sanctuaries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Estuarine Research Reserves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. How do you currently work with other Gulf MPAs? Please specify.

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5. Implementation Strategies and Outcomes

The following questions address potential implementation strategies, project goals, and potential benefits.

19. Please list three coastal management strategies you are currently using to address climate change and its associated impacts?

1.

2.

3.

20. What coastal management strategies would you like to use, but have been unable to employ, to address climate change?

21. What have been the obstacles to implementing climate change strategies?

22. The goal of this project is to seek opportunities to coordinate Gulf MPAs. What are some barriers to effective coordination? Please list a few and explain.

23. What are some benefits to Gulf of Mexico MPA coordination?

24. If we were to succeed in creating a Gulf network MPA plan, what would be the tangible, on-the-ground benefits to your MPA?

25. What coastal management strategies or activities would you like to accomplish but have not been able to? Why?

Thank you for participating in our survey! We appreciate your time and effort in assisting with the creation of the Gulf of Mexico Regional Network of MPAs.