

Part VI

Facilitated Group Sessions

Summary of Facilitated Group Sessions—Maine Fishermen’s Forum MPA Workshop *Prepared by Tracy Hart, Maine Sea Grant Program*

Purpose of Discussion: Devise a fair and inclusive process for fishing interests to be involved in and provide input to MPA processes in the Gulf of Maine.

Discussion Questions: Maine will need a fair and inclusive process in place to evaluate the need for MPAs, including no-take marine reserves, and the possible siting of them in the future:

- *Who should be involved in the process?*
- *How should the process work?*
- *What information would be needed?*

Who Should Be Involved?

Most frequently listed responses:

- Direct stakeholders need to be involved—those most affected and who have a vested interest.
- Industry input is essential. Anyone who makes a living from the resource needs to be involved (all fishing industry sectors, including support businesses such as dealers, fuel, ice, bait companies, etc.).
- Public resources are involved so the public interest needs to be represented.
- All users of the resource should be included.
- Communities need to be involved from start to finish. Their role and value should not be discounted.
- Federal, regional, state agencies, managers: NOAA, Maine Department of Marine Resources, and the fishery councils.
- Who should be involved and who gets involved will depend on the area proposed and the type of MPA proposed.
- Local and national representatives (for credibility).

Others:

- Historical fishing folks—those who have fished the area but are no longer fishing
- Recreational fishermen
- Recreational users
- Fish consumers
- Nongovernmental organizations
- Advocacy groups/environmentalists
- Scientists
- Enforcement staff
- Social scientists
- Business interests

How Should the Process Work?

Establishing the need and data:

- First, determine and prove the need for the MPA. This would involve reviewing data from everyone (fishermen, scientists, etc.).

- Information must be shared among all groups.
- Develop partnerships (academia and university, Sea Grant–like funding) for data gathering and computation, and make data more available.
- Planning documents identifying where MPAs are targeted along with the rationale for why these particular areas were chosen.
- Before talking about siting new MPAs, evaluate what is already in the Gulf of Maine.
- There is a need to develop an economic assessment and plans for establishment, implementation, administration, enforcement, and monitoring.
- A socioeconomic study is needed to estimate the value of MPAs to society.
- Stakeholders need access to all data—both that which supports and does not support MPAs.
- Concrete examples are needed, not theory.

Defining goals and purpose:

- Define the purpose, goals, and objectives clearly and early. This would include addressing questions such as, What is being protected? Who is included? Is the intended use of the proposed MPA a fisheries management tool for promoting biodiversity or for the establishment of wilderness areas?
- A broad, first approach would include agreement on principles.
- Realistic timelines and triggers need to be set.
- The process and criteria for decision making need to be defined early.
- The process should not focus only on fisheries management. MPAs should be considered for pollution abatement, research, etc. In order for MPAs to reach their goal, the designation process needs to be integrated into a comprehensive ocean management approach.

Building common ground, knowledge, and trust:

- Education: A common knowledge base needs to be established early in the process between participants and stakeholders.
- There is a need to build trust in order for people to come together to discuss this concept. This will take time—many barriers to trust must be brought down. People need to become comfortable with the process to be able to move into working relationships.
- It would be helpful for issues and concerns to be shared by each group at the start of the process.

Ideas for a process:

- Use a more community-based or regional approach, rather than a federal approach. For example, local clam closures are MPAs.
- Establish a constructive, multi-stakeholder process with multiple forums where participants are empowered to contribute to the larger process.
- There needs to be a coordinated approach among all of the federal/state/regional management and regulatory agencies that are involved.
- Develop a round table to talk about a process for considering MPAs—a process to determine the process, such as a governor’s commission to gather people’s input and develop a process. The overall process should begin with a forum where various interest groups come together to talk about MPAs, identify principles and objectives, and share viewpoints about the pros and cons of establishing MPAs.
- Use a tier approach that begins broadly, involving everyone with an interest in the concept. As the process progresses and specific areas are discussed, local stakeholders and those most affected by the outcome of the process would be the key participants. [This model was suggested by the Canadians participating in the forum.]
- Plan a way for input to be gathered from those unable to attend meetings.
- Establish an oversight committee made up of representatives of vested groups.
- Develop a process that has a manageable number of people involved.
- The process could begin with an existing situation such as Taunton Bay. This case could then be used to develop an outline for a process that could be applied to other areas.
- Zone-specific processes should be developed.
- It should begin with local control with regional stakeholders, driven by the big picture, involved (e.g., lobster zone councils).

- Information should be funneled up so others become interested in area-specific discussions and will be supportive of local processes.

Fisheries management and fishermen involvement:

- Fishermen need to be engaged in the process from the beginning. They are the most affected. Involve fishermen in research and pay them. Establish a process for fishermen to share information and data with scientists. Programs such as Adopt a Boat and Sea Grant Extension activities could provide avenues for fishermen involvement.
- Fishermen-based monitoring of sites is needed.
- Consider the broad implications for fishermen at the beginning of the process. Displacement of effort, the social, environmental, and resource impacts connected with the movement of fishers to other areas, subsidies, trickle-down effects of socioeconomic conditions in communities, and the benefits and equity issues connected with MPAs all need to be considered.
- Use the NEFMC structure to proceed when considering MPAs for fisheries management purposes. This would involve developing criteria for designating MPAs (stock assessments, habitat evaluation, etc.).
- MPAs should be looked at as a fisheries management option.

Safeguards and evaluating effectiveness:

- The effectiveness of established MPAs must be evaluated, and a process to modify or discontinue an MPA if it is not accomplishing its goals should be developed. There should be guarantees up front that if MPAs are established, they will be monitored and their life spans evaluated. Flexibility in changing areas that are closed (timing and boundaries) is needed.

What Information Would Be Needed?

- Baseline information should be collected to track if and how things change.
- Data that fishermen collect should be used. Information is already being gathered but is not being used.
- Go to the fishing ports to get information straight from fishermen.
- Practical and usable science is needed (not inaccessible technical information unusable by a lay audience).
- Trusted scientists are needed.
- Ecosystem and biological information is needed.
- A historical perspective of the area should be built. This would involve going back 50, 100, or more years and comparing these findings with current use.
- Historical ecological/population data and political histories should be explored.
- There is legitimacy in seeking fishermen's knowledge. It is not just anecdotal information.
- Available information should be used to promote awareness.
- Existing information should be compiled and analyzed.
- For existing MPAs, what is working and what is not working and the reasons why should be assessed.
- There is a need to comprehensively analyze and understand the concept. What should we be looking for in designing an MPA?
- Information on monitoring methods is needed.
- An economic impact study should be included.
- The effects of existing closed areas should be reviewed.
- Alternatives to meeting goals should be investigated. This needs to be supported by data.
- A method needs to be established for proving that an MPA is meeting its established goals.
- There is a need for stakeholders to understand all impacts to ecosystems. It is not just fishermen that cause negative impacts to marine ecosystems.
- Questions such as, what is enough, how many, and how big should be addressed.
- Conservationists need to present a unified, understandable plan.
- A list of substantiated benefits should be developed.
- The location of benthic habitats, spawning areas, etc. should be determined.
- Make seafloor habitat data available to all participants.
- There must be a clear understanding of goals and criteria.

Summary of Concerns

- Tensions currently exist. Fishermen are asking, Where's the fire? Why rush?
- The idea of permanent protection is hard to sell. Proponents of MPAs might consider more flexibility in closing and opening areas and just leaving a few for lasting protection.
- Fishermen need to develop a more unified voice, across fisheries.
- The expectation needs to be that something will happen. If fishermen and others take the time to participate, they need to be able to expect that their participation and input will actually be taken into account.
- Fishermen and other groups are discussing MPAs independently of each other. Many groups proposing MPAs are not engaging fishermen.
- It is critical to cross boundaries between groups.
- The process for addressing this concept needs to be inclusive.
- There is a significant amount of distrust, and walls are being built. There needs to be more honesty.
- There is confusion about how MPAs relate to the no-take controversies and fisheries management.
- Closures are already in place. MPAs will produce more closures. That is where the block in discussion comes in.
- MPAs are one tool among many for comprehensive ocean management.

Main Points

- Conduct a needs assessment; evaluate what we already have in place
- Make the process inclusive
- Prove the need for and the effectiveness of MPAs
- In the beginning, develop a way to evaluate and change MPAs if necessary
- Look at examples from other case studies and learn from those experiences
- Define goals early
- Develop a process with multiple forums to empower all participants to participate constructively
- Define measurable goals, develop criteria for evaluating success, outline intended benefits, and define duration of MPAs
- Flexibility, coordination, and cooperation are needed
- MPAs are one tool among many
- Consider the impacts on all parties. Understand the broad implications for fishermen from the beginning
- Integrate all the impacts if the process is to achieve success
- Use a community or regional approach. Communities are key stakeholders and sources of information (community-based resources management)
- There is no one example that you can take off the shelf and apply, no one-size-fits-all. A new approach is needed
- Develop solid baseline information that includes ecological and socioeconomic data
- Include those who earn a living from the resource
- Build trust between groups and proceed with openness and honesty
- Include direct stakeholders. Fishermen should be a source of information for identifying MPAs
- Identify who pays for process, development, implementation, administration, monitoring, and enforcement of MPAs and for how long
- Define the problem to determine if MPAs are part of the solution
- Create a safe haven for the exploration of information, needs, and goals before decisions are made
- Look at the issue comprehensively in a coordinated manner regardless of the purpose for the MPAs

Next Steps

- Bring stakeholders together
- Bring to the local level
- Provide comment on the definition of "lasting protection"
- Create a centralized location for current information/status of issues that everyone can access
- Evaluate how current MPAs (closures) are working or not working (science)
- Establish a governor's commission to develop a state-level strategy to define the MPA process

Part VII

Summary

As was apparent during the presentations and accompanying discussions that took place during the four workshops, the term MPA can mean different things to different people, depending on the timeframe and regulatory stipulations attached to the designation. The variety of terms are often used interchangeably—marine reserves, marine sanctuaries, MMAs, closed areas, no-take zones, and MPAs—and may or may not refer to the same situation. The different terminology highlights the need to clearly define what is meant by the concept of lasting protection, and the means that will be employed to ensure that protection.

MPAs can be designated for a variety of purposes: to attain fisheries management goals, to promote biodiversity, to protect historical, cultural, and ecologically significant sites, to promote research and education, or to simply set aside wilderness areas undisturbed by human activities. Workshop participants agreed that identifying the goals and purpose for establishing an MPA, as well as the mechanisms for assessing whether or not those goals are being attained, is a necessary first step in considering their application as a tool for either fisheries or ecosystem management.

In considering the use of MPAs as a fisheries management tool, good data are needed to identify appropriate areas where protection from fishing pressure will produce a desired effect. MPAs for fishery management purposes also must be considered in the context of other management options, with careful consideration given to potential economic and social impacts in addition to biological and ecological effects.

Studies to evaluate the effectiveness of MPAs as a fisheries management tool have been more prevalent in tropical systems than in temperate waters. Fishery closures in the New England region and those examined on the Scotian Shelf do appear to have produced beneficial effects for some species, but more research is needed to fully evaluate their impacts in terms of increased fishery yields, spillover effects, and economic efficiency in fishery operations.

With regard to the use of MPAs in fishery management applications, the Canadian examples of closed areas point to the need for flexibility in MPA site designations to realize potential fishery benefits. This in turn points back to the need for good, up-to-date information for use in designating MPA sites and in monitoring their effectiveness.

The most important theme emerging from all of the workshops, regarding the use of MPAs as a management tool, was the need to establish a fair and inclusive decision-making process early on. Commercial and recreational fishermen, in particular, are primary stakeholder groups impacted by the designation of MPAs, whether they are for the purpose of attaining fisheries management goals or for other reasons. They, together with state, regional, and federal fisheries managers, need to be involved from the start.

From a broader perspective, consideration of MPAs as a fisheries management tool must be part of a continuing larger discussion about how we manage marine resources. The success of efforts to address the issue of whether an MPA should be designated in a particular area will depend on our ability to build working relationships among interest groups and government entities with jurisdictional responsibilities.

Appendices

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