

## NATIONAL ARTIFICIAL REEF WORKSHOP

June 9<sup>th</sup> – 10<sup>th</sup>, 2016

Alexandria, Virginia

### Workshop Objectives

- Provide an overview of current science and applied experience (lessons learned) regarding the application of artificial reefs as a tool to support or enhance sustainable fisheries.
- Identify and examine key considerations associated with artificial reefs as a potential management tool to support and/or enhance sustainable fisheries.
- Identify management challenges and associated research needs, knowledge gaps and limitations, and strategies for monitoring, using, and managing artificial reefs.
- Discuss the potential roles of federal, state and private sector partnerships in resolving artificial reef challenges and achieving objectives.

### Agenda

<b><u>Thursday, June 9<sup>th</sup></u></b>	
8:30 – 8:45	<b>Welcome/Opening Remarks</b> <i>Russ Dunn, NOAA Fisheries</i> <i>Pat Campfield, Atlantic States Marine Fisheries Commission</i>
8:45 – 9:00	<b>Agenda Review and Guidelines for Discussion</b> <i>Rich Wilson, Seatone Consulting</i>
9:00 – 9:30	<b>Summary of Pre-Workshop Survey Findings and Themes</b> <i>Rich Wilson, Seatone Consulting</i> Present an overview of survey findings/themes and links to workshop agenda.
9:30 – 10:00	<b>Background and History of Artificial Reefs in US Waters</b> <i>Richard Christian, US Fish and Wildlife Service</i> Set the stage for collaborative workshop discussions by presenting a historical perspective of artificial reefs in US waters.
10:00 – 10:15	<b>Break</b>
10:15 – 11:15	<b>Viewing Artificial Reefs Within a Fisheries Management Context</b> <ul style="list-style-type: none"> <li>▪ Fisheries Management: Principles, Practices and the Connection to Artificial Reefs – <i>Steve Bortone, Gulf of Mexico Fishery Management Council (retired)</i></li> <li>▪ NOAA Ecosystem Based Fisheries Management Policy – <i>Kirsten Larsen, NOAA Fisheries Office of Science and Technology</i></li> </ul> Frame the issue of fisheries management, and the connection to artificial reefs as a potential management tool, that will be discussed throughout the workshop.

11:15 – 11:45	<p><b>Overview of the Artificial Reefs Regulatory Framework</b>  <i>Keith Mille, Florida Fish and Wildlife Conservation Commission</i></p> <p>Create common knowledge and understanding on artificial reef governance, permitting requirements and associated regulatory issues.</p>
11:45 – 1:00	<b>Lunch</b>
1:00 – 2:30	<p><b>Regional Experiences and Lessons Learned in Artificial Reef Application</b>  <i>Regional presentations followed by Panel discussion</i></p> <ul style="list-style-type: none"> <li>▪ Mid Atlantic – <i>Mark Rousseau, ASMFC Artificial Reef Committee</i></li> <li>▪ South Atlantic – <i>Bob Martore, South Carolina Department of Natural Resources</i></li> <li>▪ Gulf of Mexico – <i>Dale Shively, Texas Parks and Wildlife Department</i></li> <li>▪ West Coast – <i>Michele Culver, Pacific Fishery Management Council</i></li> <li>▪ Hawaii – <i>Paul Murakawa, Hawaii Department of Land and Natural Resources</i></li> </ul> <p>Create awareness of common and unique approaches regarding artificial reef program objectives and strategies, applied experiences, and lessons learned on what does or does not work.</p>
2:30 – 2:45	<b>Break</b>
2:45 – 4:45	<p><b>Regional Experiences and Lessons Learned in Artificial Reef Applications</b>  <i>Break out groups – Initial collaboration and solutions-oriented discussions</i></p> <p>Share regional experiences and lessons learned, and begin developing solutions to common challenges.</p>
4:45 – 5:00	<b>Summarize Day 1 Outputs and Preview Day 2 Activities</b>
<b>Friday, June 10</b>	
8:30 – 8:45	<p><b>Welcome, Recap Day 1 and Review Day 2 Agenda</b>  <i>Rich Wilson, Seatone Consulting</i></p>
8:45 – 10:30	<p><b>The Current State and Potential Future Direction of the Science</b>  <i>Presentations followed by Panel discussion</i></p> <ul style="list-style-type: none"> <li>▪ Fisheries Management/Reef Function – <i>Bill Lindberg, University of Florida</i></li> <li>▪ Design, Siting and Deployment – <i>Bill Gordon, University of Rhode Island</i></li> <li>▪ Monitoring Purpose, Objectives and Standards – <i>Greg Stunz, Texas A&amp;M</i></li> <li>▪ Socioeconomics of Artificial Reefs – <i>Bill Huth, University of West Florida</i></li> <li>▪ Artificial Reefs: The Good, the Bad and the Ugly – <i>Jim Bohnsack, NOAA Fisheries</i></li> </ul> <p>Describe and discuss the scientific basis that informs the application of artificial reefs as a potential management tool to enhance sustainable fisheries.</p>

10:30 – 10:45	<b>Break</b>
10:45 – 12:30	<p><b>The Current State and Potential Future Direction of the Science (continued)</b>  <i>Breakout groups – Explore outstanding science gaps, partnerships and priorities</i></p> <ul style="list-style-type: none"> <li>▪ Identify science gaps that need to be addressed to advance the potential for use of artificial reefs as a management tool.</li> <li>▪ Illustrate key elements of partnerships and/or cooperative arrangements among federal, state, university and other researchers.</li> <li>▪ Identify short and long-term priorities and discuss how future research might be better focused.</li> </ul>
12:30 – 1:45	<b>Lunch</b>
1:45 – 3:45	<p><b>Fostering Mutual Learning and Advancing the Discussion</b>  <i>Break out groups – Important workshop takeaways and future collaboration</i></p> <p>Discuss new knowledge and ideas gained at the workshop, and ways to improve communication, information sharing and collaboration among peers.</p>
3:45 – 4:00	<p><b>Closing Comments</b>  <i>Russ Dunn, NOAA Fisheries</i>  <i>Pat Campfield, Atlantic States Marine Fisheries Commission</i></p>
4:00	<b>Meeting Adjourns</b>