

**Site Visit Review of the
Illinois and Indiana Sea Grant College Program**
July 28, 2010 – July 29, 2010

Miguel A. Lugo

Miguel A. Lugo, Chair, Federal Program Officer

09/14/2010

Date

Richard West

Richard West, Co-Chair, National Sea Grant Advisory Board Member

09/14/2010

Date



INTRODUCTION

As a result of the National Research Council report, *Evaluation of the Sea Grant Review Process* (2006), which included recommendations in the following categories: strategic planning; evaluation; periodic assessment and performance criteria; program assessment teams and site visits; and, improving program cohesion, coordination, and oversight, the National Sea Grant Office (NSGO) in collaboration with the state Sea Grant directors and the National Sea Grant Advisory Board developed the new Planning, Implementation and Evaluation system (PIE). As part of the new PIE system, a series of Site Review Visits will be held to evaluate program management and organization, stakeholder engagement and collaborative network activities for each of the state Sea Grant programs. These site review visits will take place over an eighteen-month period starting in April 2010. The site review visit for the Illinois and Indiana Sea Grant (IISG) Program took place July 28 and 29, 2010.

The site review visit team (SRT) included:

Miguel A. Lugo (Chair, NSGO Program Officer) National Sea Grant Office Silver Spring, MD	Richard West (Co-Chair, Advisory Board Member) National Sea Grant Advisory Board Coventry, RI
Michael Uhart NOAA Research Executive Director, Office of Laboratories and Cooperative Institutes Silver Spring, Maryland	Aimee Viniard-Weideman Assistant Dean and Communications Director University of Minnesota Extension St. Paul, Minnesota
M. Richard DeVoe Director South Carolina Sea Grant Consortium Charleston, SC	

Public Comment Prior to SRT Visit

Prior to the beginning of the SRT visit, and in conformance with the National Sea Grant Office and College Program guidelines, the IISG issued a public notice of the upcoming SRT visit by inviting interested parties to send written comments to the National Sea Grant Office. The public notice was posted on the IISG website. The National Sea Grant Office received three letters in response to the public notice, all favorable to the program, from Sangamon County Department of Public Health, Department of Forestry and Natural Resources at Purdue University, and a researcher from the University of Illinois.

SRT Visit Report Structure

This report follows the guidelines of the Site Review Team Procedures Manual. The SRT reviewed and discussed broad issues related to the IISG's: 1) Program Management and Organization; 2) Stakeholder Engagement; and 3) Collaborative Network Activities. Within each of these areas, the SRT report presents the findings and recommendations of the SRT. During the review, the SRT met with university officials, non profits organizations, private businesses, educators, and other federal and state agencies arranged by IISG.

SRT Schedule

The IISG site visit started several weeks in advance with a series of conference calls to plan and coordinate the Team's visit. The on-site SRT evaluation began Wednesday July 28, 2010 at the U.S. Environmental Protection Agency Great Lakes Building in Chicago, Illinois with a program overview presented by the IISG management team and a brief overview of the National Sea Grant College Program new Planning Implementation and Evaluation process by the SRT chair. The overview was followed by theme area presentations by the IISG program specialists in areas such as invasive species, aquaculture, healthy coastal ecosystems and sustainable coastal communities, all focusing on the three elements under evaluation. At the end of each presentation, a few minutes were dedicated for questions and answers from the SRT (for complete agenda, please see Appendix A). Following the presentations, the SRT met with a number of program partners and the external advisory board (for complete list of stakeholders participants, please see Appendix B and C).

The first day ended with a dinner/meeting with University of Illinois and Purdue University program administrators (for name and affiliation of the university Administrators, please see Appendix C under Administrative Advisory Board) to learn about the organizational structure of the program between the two institutions.

The second day of the visit took place at the University of Illinois at Urbana-Champaign, IL where we met with additional stakeholders. That afternoon, the SRT worked on writing the first draft of the site visit report. Once the report outline was drafted, the SRT briefed the IISG management team and one university official, Melanie Hoots (Office of Vice Chancellor for Research at University of Illinois), about the findings of the site visit.

I. ORGANIZING AND MANAGING THE PROGRAM

IISG Management Organization

The Illinois and Indiana Sea Grant Program is one of two bi-state Sea Grant Programs in the network. This bi-state program was established in 1983 at the University of Illinois. The program was later moved to Purdue University and is now back at the University of Illinois. The joint state program started when both states joined forces to become a joint program in order to gain administrative efficiencies, and draw research talent from both universities. This model of distributed administrative support also has some downsides, including distributed (diluted) funding per institution and a doubling of many client groups (state governments and legislative, commodity and non-governmental groups).

The program serves stakeholders and addresses environmental issues in both the state of Illinois and Indiana. The program is jointly managed and administered by the University of Illinois at Urbana-Champaign (UI) and Purdue University (Purdue). The Director, Dr. Brian Miller, is located at UI College of Agriculture, Consumer and Environmental Science Office of Extension and Outreach along with the Assistant Director, Lisa Merrifield. The Associate Director for Education, Robin Goettel, and the Communication Coordinator are also located in the same department. They are responsible for the administration of the program, grants, outreach-communication and education. The Program Leader for Extension, currently vacant, is located at Purdue University in the Department of Forestry and Natural Resources. The SRT was impressed with the way the management team interacts and functions

effectively with common purpose and complementary expertise across two large universities and the two states. After the site visit the SRT had a clear vision of the roles and responsibilities of the program staff.

The management team has done a commendable job in recruiting new talent and maintaining a very productive working relationship with local stakeholders. The program specialists work hand-in-hand with graduate students at both universities allowing the program to stay connected to the latest science and local issues. In addition, the program has done well in identifying the needs of the two states and addressing these issues through their research, extension and/or communication work.

IISG Working Relationships

The SRT found an active collaboration between UI extension and Purdue extension, resulting in tremendous benefits to the IISG mission. But, the SRT suggests that all parties should continue working in growing and building a stronger collaboration and partnership. The IISG management interacts effectively with the advisory and executive committees.

Administrative Advisory Board and Joint University Advisory Board

The SRT found that the UI and Purdue partnership allows for increased collaboration between the two institutions, as seen in the theme area presentations, but also allows for the sharing of different perspectives and the leveraging of resources. The IISG program showed that it has the necessary support from its advisory boards. In addition, both of these committees showed their engagement with the program and stressed that IISG is working towards the environmental and socioeconomic sustainability of the Great Lakes region.

The program is given strategic advice, guidance and feedback on existing and future programs by the Administrative Advisory Committee and Joint University Advisory Board. The Administrative Advisory Committee members include both relevant university officials, such as the directors of extension at both universities plus representatives of federal and state agencies. The SRT met with the Administrative Advisory Board and Joint University Advisory Board and discussed the responsibilities of the committee, the interaction with the IISG management team and the involvement of the committee in the planning process, priority setting and collaboration with IISG. The Advisory Committee felt their guidance to IISG was important and knew their leadership and expertise was taken into account in the development of both strategic and implementation plans and the priority setting for the program.

This close collaboration between UI and Purdue extension allows for the IISG to use this network of agents to disseminate program information.

External Advisory Committee

There is also an External Advisory Committee composed primarily of IISG constituent representatives (for a complete listing, please see Attachment C). The SRT found a strong commitment and high level support by the members of this committee for IISG not only by their attendance and participation in the site visit but by their commitment to collaborate with IISG in leveraging funds and being strong supporters of the program. These members stressed the high level of importance of IISG to their institutions and they viewed Sea Grant as a model to influence their actions by addressing the most pressing local issues. This way, they are making sure that communities and local stakeholders understand the issues affecting them. It is clear that these members are committed to the future of the IISG.

Financial Support

The SRT was impressed with the efforts the program has taken to maintain its matching and leveraged funds support for the past five years under declining state budgets. Not only has the program maintained a viable funding level, but also, has been able to diversify the sources of external support and develop new partnerships. The SRT found that the program management team has done an excellent job leveraging NOAA's federal investment to bring additional funds to the program.

The SRT commends the IISG for bringing in additional federal competitive research funds to meet program objectives. In addition, the SRT was encouraged by the way IISG has been able to partner with other Great Lakes Sea Grant Programs to fund competitive research. However, the SRT found that there is an imbalance in the distribution of funds between research, education and extension. The SRT recommends the IISG program prevent the further erosion of research funds that has taken place since 2004 and to find efficiencies and ways to increase the investment in competitive research if additional federal funds become available.

II. STAKEHOLDER ENGAGEMENT

Trusted Local, State, and Regional Resource

During the SRT interactions with different IISG stakeholders, the SRT found that the IISG extension, research and communication service is a resource for reliable and trustworthy information at the local, state and regional levels. Not only was IISG staff seen as a good mechanism to transfer information, but stakeholders pointed out that IISG 'are the greatest people in the world' and 'they get things done'. These words came from one of the stakeholders, who with the support of IISG, has been able to establish the unwanted medicine collection program or Prescription Drug Disposal Program (P2D2). The stakeholder plans to initiate similar projects in other counties and take the initiative to a national level. The program staff built substantial partnerships and trust with clientele in their local communities and has been establish in counties throughout both states. The National Park Service and the John G. Shedd Aquarium are examples of groups that are currently using IISG information and products to relay information to their constituents and consider the program the 'go to' entity for relevant information.

Engaging Stakeholders in Strategic Planning

IISG engaged their stakeholders when developing the Strategic and Implementation Plan for 2010-2013. The program took the stakeholder information and feedback into account when planning for the future and developing the program priorities. These stakeholders were also satisfied with IISG staff as a result of early collaboration with them in the beginning stages of identifying a problem and resolving the issue.

Enabling Stakeholders

IISG was seen as the key partner organization to either help address new issue or serve as the mechanism to gather the right stakeholders to work on an issue. Stakeholders showed they had direct involvement in the conduct of studies and the application of research results. The IISG serves as a catalyst in the region bringing together the right stakeholders to carry out relevant research. In summary, IISG has a strong education, extension service that provides reliable information, relevant results and values highly the

relationships with the stakeholders in Illinois and Indiana. Proof of this was the exuberant praise by the stakeholders with specific examples of the critical support of IISG.

The SRT found that the education and outreach-communication team was very professional, creative and talented. This team has provided a high quality array of communications materials and technology that have been made available to much broader regional and national audiences. The SRT was presented with a series of examples on how the education and outreach-communication team engages the stakeholders and what tools they use. The SRT had the opportunity to meet with an elementary school teacher from Stratton Elementary School, Champaign, Illinois to learn how she uses the outreach tools created by IISG to communicate environmental science to her students.

III. COLLABORATIVE NETWORK/NOAA ACTIVITIES

Multiple Collaborators

The SRT committee found that there is good collaboration between the program and the state and local stakeholders. Stakeholders attending the SRT were diverse in background and affiliations including federal, state, local governments in addition to other states, Sea Grant programs, and EPA, nongovernmental organizations, industries and academic institutions. The SRT suggests the IISG program increase and develop new partnerships with NOAA.

The IISG provided an extensive list of partnerships which is a testament of their collaboration at the local, state and regional level. This collaboration is a product of extensive personal interaction between IISG staff and these groups under the leadership of Brian Miller. Not only are these collaborations helping to address the issues at hand, but they also leverage funds, expertise, resources and time that allow for IISG to carry its programs, even in significant budget crises at the state and federal levels.

Examples of Collaborative Work

These extensive collaborations were evident where the IISG staff was asked help communities understand the issues and help find solutions. One example of collaboration with IISG was the collaboration with the Indiana Coastal Management Program to develop the Technical Assistance Planning Application Toolkit, or “TAP APP Toolkit”, to enhance the state’s planning role and partnerships in the Indiana Lake Michigan coastal region. This product is currently in use by city planners such as those in the city of Chicago, Hobart and Portage in Illinois and the counties of Laporte, Howard, and Dearborn in Indiana.

Additional proof that IISG is a strong collaborator with local groups was the creation of an invasive species risk assessment tool in partnership with the University of Illinois which has allowed the city of Chicago to determine the impact of invasive species. The use of the tool led to the termination of sales, locally, of twelve invasive plants. There is also strong collaboration with the private sector as seen by IISG’s work with the Soybean Alliance. Not only has IISG work provided needed information to the soybean industry but it also led to the creation of new jobs and expansion of the industry. Both of these projects support the National Sea Grant Program goals to provide science and tools to protect and restore ecosystems and to support a healthy domestic seafood industry.

The SRT visit also highlighted that the collaboration and shared staff between IISG and the U.S. EPA Great Lakes National Program Office (GLNPO) is working well and allows both partners to expand their reach and resources to the benefit of the states of Illinois and Indiana. The placement of Sea Grant personnel in the GLNPO facility is a key element of this successful partnership. In summary, the SRT

found that the program management is doing a great job collaborating and partnering with different stakeholders and groups in the Great Lakes Region.

IV. FINDINGS, RECOMMENDATIONS and SUGGESTIONS

Findings

1. Illinois and Indiana Sea Grant is performing well and is carrying out relevant research, extension, education and communication addressing Great Lakes needs.
2. The program has the necessary management structure, stakeholder engagement and collaboration to carry out a viable program.
3. The SRT found that the program has addressed the recommendations of the Program Assessment Team visit in 2004 except the diminishing investment in competitive research.

Recommendations (items the program must respond to)

1. The SRT found that there has been a reduction in the number of competitive research pre-proposals and projects funded by the program. This is due to stagnant budgets and inflation costs but recommends the program finds efficiencies and ways to increase the investment in competitive research and increase the investment if additional federal funds become available.

Suggestions (ideas the program may consider)

1. The program has done an excellent job leveraging funds from external sources. The SRT suggest that they keep working in collaborating with new stakeholders, maybe through the advisory committees for the program, to find new sources of funding. This could be achieved by expanding the membership of the advisory committees to the industry sector.
2. The SRT also suggests that there is fertile ground to increase collaboration with NOAA and some of its programs that might yield further research funding. For example, the SRT sees an opportunity for IISG to engage the NOAA Coastal Zone Management Program, NOAA's Great Lakes Environmental and Research Laboratory and the National Weather Service to explore potential partnerships and collaborations.
3. The IISG program should expand its advisory boards to include members of other higher education institutions, particularly those in Illinois and Indiana. This will allow IISG to increase its reach and leverage additional resources. In addition, further emphasis should be given to science and research membership on the advisory committees. For example, the SRT suggests adding the director of NOAA's Cooperative Institute for Limnology and Ecosystems Research which is composed of 10 universities in the Great Lakes Region, including the University of Illinois.
4. Incorporate the four-year Strategic and Implementation Plan into all levels of operations, management and collaboration.
5. The SRT suggest that in the next round of strategic planning, the IISG program simultaneously brings together all the members of the advisory committee for strategic advice. The dialogue that will ensue will enhance the future direction of the programs and help get all the members on board with the plan.

V. BEST MANAGEMENT PRACTICES

(Best management practices are "An exemplary product, practice, or procedure developed or used by a Sea Grant program and not in common use by other programs, which may be utilized or modified by other programs to make these programs stronger.")

- Fostering a good partnership among IISG, host universities and EPA laboratories such as the U.S. EPA Great Lakes National Program Office (GLNPO) should be a model advanced by other SG programs where a EPA laboratory is geographically close.
- Collaboration between lead universities which maximize efficiency through a division of responsibility and resources, and also permit expanded opportunity for new partnerships and leveraged funding.
- The SRT also found that IISG strategy of collaborating with U.S. EPA to fund additional proposals/projects that did not make the final selection for the IISG funded research was a good management strategy.

Appendix A. Site Visit Review Agenda

Illinois-Indiana Sea Grant Site Visit Agenda July 28-29, 2010

Tuesday, July 27

PM Review team arrives
Cab to Union League Club, 65 West Jackson Blvd., Chicago, Illinois

Wednesday, July 28

7:15 **Check out of hotel** and store your bags with the front desk
Breakfast on your own, Union League Club (You will get a breakfast voucher on check in)

7:45 **Meet in the lobby** of the Union League Club to walk to EPA

8:00 **Welcome and introduction to IISG**
Lake Superior Room
12th Floor, Great Lakes Conference Center, USEPA
77 W. Jackson Blvd., Chicago, Illinois
Brian Miller, Director

9:00 **Collaborating with partners, stakeholders and the network**
Healthy Coastal Ecosystems

- Pat Charlebois, Aquatic Invasives
- Susan Boehme, Coastal Sediments
- Leslie Dorworth, Aquatic Ecology

Safe Sustainable Seafood Supply

- Kwamena Quagraine, Aquaculture Marketing

Sustainable Coastal Communities

- Martin Jaffe, Environmental Planning
- Robert McCormick, Planning with POWER
- Margaret Schneemann, Water Economics

Hazard Resilient Coastal Communities

- Brian Miller, Program Director

10:45 **Meet some of our partners**

- Mark Bouman, Chicago State University (confirmed)
- Steve Hart, Soybean Alliance (confirmed)
- Paul Horvatin, USEPA Great Lakes National Program Office (confirmed)
- Reuben Keller, University of Chicago (confirmed)
- Tim Loftus, Chicago Metropolitan Agency for Planning (confirmed)
- Cheryl Mell, Shedd Aquarium (confirmed)
- Sergio Mendoza, Indiana Coastal Management Program (confirmed)
- Dave Perry, University of Illinois at Chicago (confirmed)
- Melinda Pruet-Jones, Chicago Wilderness (confirmed)
- Wendy Smith, National Park Service (confirmed via phone)
- Bob Thompson, Porter County (confirmed)

12:00 **Lunch and meet the IISG External Advisory Board**

- Frank Kudrna, Kudrna and Associates
- Todd Main, Illinois DNR Coastal Management Program (ex officio)
- Mike Molnar, Indiana Coastal Management Program (ex officio)
- Debra Shore, Metropolitan Water Reclamation District of Greater Chicago
- John Swanson, Northwestern Indiana Regional Planning Commission

1:15 **Depart for Champaign** *Meet with program management team en route*

- Brian Miller, Director
- Lisa Merrifield, Assistant Director
- Susan Boehme, Proposed Outreach Coordinator
- Robin Goettel, Associate Director for Education
- Irene Miles, Communications Coordinator

5:00 **Meet our university administrators**

Beefhouse Restaurant, Covington, IN

- Chuck Hibberd, Director of Extension and Associate Dean, Purdue
- Robert Hoeft, Interim Associate Dean, University of Illinois Extension and Outreach
- Tomas Höök, Assistant Professor, Forestry and Natural Resources, Purdue University
- Melanie Loots, Associate Vice Chancellor for Research, University of Illinois
- Gary Miller, Associate Executive Director, Institute for Natural Resources Sustainability, University of Illinois
- Karen Plaut, Director of Agricultural Research Programs and Associate Dean, Purdue
- Robert Swihart, Head, Department of Forestry and Natural Resources, Purdue University

6:00 **Dinner**

7:00 **Depart**

7:45 **Check into Illini Union hotel in Champaign**

Thursday, July 29

7:30 **Depart Illini Union via van for meeting**

7:45 **Continental breakfast**

167 National Soybean Research Center

8:00 **Research administration at IISG**

- Brian Miller, Director
- Lisa Merrifield, Assistant Director

8:30 **Meet some of our researchers**

- Michael Plewa, University of Illinois (confirmed)
- Tomas Höök, Assistant Professor, Forestry and Natural Resources, Purdue University (confirmed)
- Robert Hudson, University of Illinois (confirmed)
- Momcilo Markus, Illinois State Water Survey (confirmed)
- John Braden, University of Illinois (confirmed)
- Charles Santerre, Purdue University Calumet (confirmed)

10:00 **Meet some of our stakeholders**

- Myles Harston, Indiana aquaculture producer (confirmed via phone)
- Angela Harris, Sangamon County (confirmed)
- Paul Ritter, National P2D2 Program Coordinator (tentative via phone)
- Greg Conover, US Fish and Wildlife Service (confirmed via phone)

- Don Roseboom, USGS Illinois Water Science Center (confirmed via phone)
- Amy Walkenbach, Illinois EPA (confirmed)

10:50 **Tour of IISG University of Illinois office space** – Kimberly Lomax, Office Support Specialist

11:00 **Meet our IISG education and communication staff and stakeholders**

Room 356/358 National Soybean Research Center

- Angie Archer, Web Specialist
- Robin Goettel, Associate Director for Education
- Irene Miles, Communications Coordinator
- Susan White, Graphic Design and Marketing Specialist
- Terri Hallesy, Education Specialist
- Zanne Newman, Champaign Teacher

11:45 **Break** – walk to lunch

Noon **Lunch with other University partners**, *Room 215 Illini Union*

- Susan Boehme, Proposed IISG Outreach Coordinator
- Mike Demissee, Director, Illinois State Water Survey (confirmed)
- Tomas Höök, Assistant Professor, Forestry and Natural Resources, Purdue University (confirmed)
- Don McKay, Director, Illinois Geological Survey (confirmed)
- Jeff Brawn, Head, Department of Natural Resources and Environmental Science (confirmed)
- Steve Hilberg, Director, Midwest Regional Climate Center, Illinois State Water Survey (confirmed)

1:00 **Working session** for Site Visit Review team
Room 215, Illini Union

4:00 **Exit interview** with IISG management team and university administration

5:30 **Wine, fruit and cheese tasting**
Prairie Fruit Farms

7:00 **Dinner**
Silvercreek

Friday, July 30

AM **Site visit team departs**

Appendix B. List of participating Stakeholders during the SRT

1. Mark Bouman, Geography Professor, Chicago State University
2. John Braden, Professor of Environmental Economics and Director of Undergraduate Programs College of ACES, University of Illinois at Urbana-Champaign
3. Jeff Brawn Head, Department of Natural Resources and Environmental Sciences, University of Illinois at Urbana-Champaign
4. Greg Conover, Large Rivers Coordinator, U.S. Fish and Wildlife Services
5. Mike Demissee, Director, Illinois State Water Survey
6. Angela Harris, Recycling Coordinator, Sangamon County Department of Public Health
7. Myles Harston, Owner, AquaRanch Industries, Illinois
8. Steve Hart, Aquaculture Director, Indiana Soybean Alliance
9. Chuck Hibberd, Director of Extension, Purdue University
10. Steve Hilberg, Director, Midwest Regional Climate Center Illinois State Water Survey
11. Robert Hoeft, Interim Associate Dean of Extension and Outreach, University of Illinois at Urbana-Champaign
12. Tomas Höök, Associate Professor, Forestry and Natural Resources, Purdue University
13. Paul Horvatin, Cooperative Monitoring, U.S. EPA Great Lakes National Program Office
14. Robert Hudson, Associate Professor of Aquatic Chemistry, and Biogeochemistry, University of Illinois at Urbana-Champaign
15. Reuben Keller, Henry Chandler Cowles Lecturer in, Environmental Studies, University of Chicago
16. Frank Kudrna, President and CEO, Kudrna and Associates
17. Tim Loftus, Project Director, Chicago Metropolitan Agency for Planning
18. Melanie Loots, Associate Vice Chancellor for Research, University of Illinois at Urbana-Champaign
19. Todd Main, Program Manager, Illinois DNR Coastal Management Program
20. Momcilo Markus, Hydrologist , Illinois State Water Survey
21. Don McKay, Director, Illinois Geological Survey
22. Cheryl Mell, Vice President of Conservation Education, John G. Shedd Aquarium, Chicago
23. Sergio Mendoza, Coastal Resources Planner, Indiana Coastal Management Program
24. Gary Miller, Associate Executive Director, Institute for Natural Resources Sustainability University of Illinois at Urbana-Champaign
25. Mike Molnar, Coastal Program Manager, Indiana Coastal Management Program
26. Zanne Newman, Elementary School Teacher, Stratton Elementary School, Champaign, Illinois
27. Dave Perry, Director of Great Cities Institute, University of Illinois at Chicago
28. Karen Plaut, Director of Agricultural Research, Purdue University
29. Michael Plewa, Professor of Genetics, Crop Sciences, University of Illinois
30. Melinda Pruett-Jones, Executive Director, Chicago Wildernes
31. Paul Ritter, Ecology Teacher and P²D² Coordinator, Pontiac Township High School
32. Don Roseboom, Hydrologist, USGS Illinois Water Science Center
33. Charles Santerre , Associate Professor of Foods and Nutrition, Purdue University Calumet
34. Debra Shore, Commissioner, Metropolitan Water Reclamation District of Greater Chicago
35. Wendy Smith, Education Coordinator, Great Lakes Research and Education Center Indiana Dunes National Lakeshore, National Park Service
36. John Swanson, Executive Director, Northwestern Indiana Regional Planning, Commission
37. Robert Swihart, Head of the Department of Forestry, and Natural Resources, Purdue University
38. Bob Thompson, Planning Commission Director, Porter County, Indiana
39. Amy Walkenbach, Nonpoint Source Unit Manager, Illinois EPA

Appendix C. Executive and Advisory Committee Members

Administrative Advisory Board:

1. Robert Hoeft - Director of Extension, University of Illinois
2. Gary Miller – Associate Director of Extension of the Institute of Natural Resources and Sustainability, University of Illinois
3. Chuck Hibbard- Associate Executive Director of the Prairie Research Institute, University of Illinois
4. Associate Dean of Agriculture and Director of Extension, Purdue University
5. Robert Swihart - Head of the Department of Forestry and Natural Resources, Purdue University
6. Karen Plaut - Director of the Agricultural Research Programs, Purdue University
7. Melanie Hoots – Office of Vice Chancellor for Research at University of Illinois

Joint University Policy Board

1. Members of the Administrative Advisory Committee (above)
2. Dean of the School of Engineering and Math, Purdue University at Calumet
3. Dave Perry - Director of the Great Cities Institute, University of Illinois at Chicago
4. Director of the Illinois Natural History Survey, University of Illinois
5. Paul Horvatin - Chief of the Monitoring and Indicators Branch, GLNPO
6. Tim Loftus - Project Director, Chicago Metropolitan Agency for Planning

Members of the External Advisory Board Committee:

1. Frank Kudrna President Kurna and Associates, Ltd.
2. George Kuper President and CEO Council of Great Lakes Industries
3. Suzanne Malec-McKenna Commissioner Department of Environment, City of Chicago
4. Marc Miller Director Illinois Department of Natural Resources
5. Chuck Oberlie Mayor Michigan City, Indiana
6. Debra Shore Commissioner Metropolitan Water Reclamation District of Great Chicago
7. Peggy Stewart Manager of Outdoor and Environmental Education Chicago Park District
8. John Swanson Director Northwestern Indiana Regional Planning Commission
9. David Ullrich Executive Director Great Lakes and St. Lawrence Cities Initiative

Ex Officio

10. Brian Miller Illinois-Indiana Sea Grant Director
11. Lisa Merrifield Illinois-Indiana Sea Grant Assistant Director
12. Mike Molnar Program Manager Lake Michigan Coastal Program
13. Frank Pisani Program Development Manager Illinois Coastal Management Program

Appendix E. Site Review Team Names and Bios

Richard West – Sea Grant Advisory Board

Rear Admiral Richard D. West, USN, (ret.) served as President/CEO of the Consortium for Oceanographic Research and Education (CORE) from August 2002 until January 2008. As President of this DC-based non-profit organization, he led efforts to promote ocean research and education within the U.S. federal government on behalf of the academic and private ocean research and education community. He significantly expanded the membership of CORE and was instrumental in promoting several ocean initiatives to include the establishment of a U.S. integrated ocean observing program [IOOS]. Dick West has testified several times before the U.S. Congress on marine and research related policy issues and has addressed the United Nations on Safety of Life at Sea. He serves on two marine related U.S. Federal Advisory Committees, serving as Chair of one committee. He is a member of three non-profit governing boards and continues as a consultant on national and international maritime issues for both public and private organizations.

Admiral West served as Oceanographer and Navigator of the Navy where he managed a multi-million dollar program providing oceanographic, meteorological, geospatial and navigation support for the U.S. Navy from 1999 to 2002. As the first Navigator of the Navy, he led the Navy's transition to electronic navigation. As Oceanographer of the Navy, he was the Department of Defense representative to the U.S. Commission on Ocean Policy. He is a federally certified acquisition Program Manager. Admiral West was a career Surface Warfare Officer and was Commanding Officer of the Navy's Surface Warfare Officers School in Newport, RI. He had three tours in the Pentagon, has served on several Navy combatants and has commanded three ships, two during hostilities in the Arabian Gulf.

Email: wwwest@cox.net

Address: 57 Whaley Hollow Rd Coventry, RI 02816

Miguel A. Lugo – National Sea Grant College Program

Miguel A. Lugo is the John A. Knauss Fellowship Manager at the National Sea Grant College Program Office. He received his Bachelor of Science in Biology and his Master of Science degree in Biological Oceanography from University of Puerto Rico at Mayaguez. His Master's thesis research focused on Coral Reef Ecology and Population Dynamics. During his undergraduate and Master's thesis work, Miguel was an Assistant Investigator for the Puerto Rico Sea Grant College Program in issues that dealt with fisheries and coastal zone management.

In 2003, Miguel was a recipient of the Dean John A. Knauss Marine Policy Fellowship working as an Executive Fellow with NOAA's Coral Reef Conservation Program (CRCP). While at the CRCP, Miguel dealt with grants review, partnership development, and prioritization of local research and management needs. After two years working as a Program Analyst in the CRCP, Miguel moved to the National Marine Fisheries Service (NMFS) Office of Management and Budget. At NMFS, Miguel worked in formulating NMFS budget requests and legislative correspondence with Congress and other Executive Agencies. After three years in NMFS, Miguel came to work for the National Sea Grant College Program Office as the John A. Knauss Fellowship Manager. As the Knauss Program Manager, Miguel is responsible for

selecting, placing and graduating the fellows. In addition, he works with interagency agreements and the planning and programming of Sea Grants budget goals within NOAA.

Email: miguel.lugo@noaa.gov

Address: Room 11841 at 1315 East West Highway, Silver Spring Maryland 20910

Michael Uhart- NOAA Research Executive Director, Office of Laboratories and Cooperative Institutes

Dr. Michael Uhart is a senior research manager for the National Oceanic and Atmospheric Administration (NOAA). He has been a NOAA employee since 1976, where he was a weather forecaster, managed various national weather observing and forecasting programs, a NOAA advisor to the Federal Emergency Management Agency, Director of the multiagency National Acid Precipitation Assessment Program (NAPAP), and Executive Director of the NOAA Science Advisory Board. He is currently the Executive Director of the Office of Laboratories and Cooperative Institutes (LCI) in NOAA's Office of Oceanic and Atmospheric Research (OAR). As the Executive Director of LCI, he manages an integrated program of research and technology development across OAR's 7 laboratories and 13 cooperative institutes. He received his B.A. Degree in Applied Physics and Information Science from UC San Diego in 1970, an M.S. in Meteorology from Florida State University in 1976, and his Ph.D. in Meteorology from the University of Oklahoma in 1985.

Email: Michael.Uhart@noaa.gov

Address: Room 11841 at 1315 East West Highway, Silver Spring Maryland 20910

Aimee Viniard –Weideman - Assistant Dean and Director of Communications for University of Minnesota Extension

Aimee Viniard-Weideman is assistant dean and director of communications for University of Minnesota Extension. She provides leadership for Extension's organizational marketing, news media relations, public relations, employee communications, stakeholder and legislative communications, and strategic and crisis communications functions.

Prior to joining Extension in 1997, Aimee was assistant director of Public Affairs for Franciscan Skemp Healthcare, Mayo Health System, in La Crosse, WI. Previous to that she was a communications manager in healthcare, daily news reporter, community education teacher and professional photographer. She continues to work with individuals and organizations as a consultant, facilitator, presenter, and executive and personal development coach.

Her education includes a master's degree in human development from St. Mary's University in Minnesota, a bachelor's degree in both journalism & mass communication and sociology from the University of Iowa, and several certifications in individual and organizational change management, executive coaching and alternative healing modalities.

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M. Richard (Rick) DeVoe - Executive Director South Carolina Sea Grant Consortium

Rick DeVoe joined the S.C. Sea Grant Consortium, an independent state agency, in 1980, and has served as its Executive Director since 1997. Rick is also a Research Associate of the Belle W. Baruch Institute for Marine Biology and Coastal Research at the University of South Carolina, and serves as Associate Faculty Member of the Graduate Program in Marine Biology, Adjunct Faculty Member with the Marine Environmental Studies Graduate Program, and a member of the Masters in Public Administration program Advisory Board, all at the College of Charleston. He earned degrees from Fairleigh Dickinson University (B.S., marine biology), CUNY/City College of New York (M.A., biological oceanography), and the University of Rhode Island (M.M.A., marine policy).

Rick serves as a member of a number of national, regional, and state boards and committees, including the Executive Planning Team for the South Atlantic (Governor's Ocean) Alliance, the Executive Committee of the Board of Directors of the SouthEast Coastal Ocean Observing Regional Association (SECOORA), the Board of Advisors for the Southeast Center for Ocean Sciences Education Excellence (COSEE-Southeast), the Regulatory Task Force for Coastal Clean Energy (South Carolina Energy Office), the South Carolina Shoreline Change Advisory Committee (SCDHEC-Office of Ocean and Coastal Resource Management), and the Steering Committee for the South Carolina Ocean Planning Initiative (SCDHEC-OCRM).

In addition to managing Sea Grant efforts in South Carolina, Rick's professional interests focus on coastal and marine resource policy, state and regional coastal ocean planning and policy, ocean observing, science-to-management linkages, and science communication and education.

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