Appendix

Additional Materials Generated by the Project

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A.1 Introduction

In this section, we outline additional materials generated by the project, including publications, presentations at meetings, organization of conferences, outreach work, theses and dissertations completed, and student internships.

A.2 Publications


The Coastal Courier, Spring 1996. University of Delaware Sea Grant College Program.

The Coastal Courier, Spring 1998. University of Delaware Sea Grant College Program.


A.3 Meeting Presentations


Badiey, M. and K.-C. Wong.  Tidal measurements in Delaware Bay using high frequency acoustics, Middle Atlantic Bight Physical Oceanography and Meteorology Workshop, Newark, Delaware, October, 1996.


Wong, K.-C. The lateral salinity variability in a coastal plain estuary, AGU Spring Meeting, Baltimore, Maryland, May, 1996

Wong, K.-C. The wind-driven variability in lower Delaware Bay, AGU Fall Meeting, San Francisco, California, December, 1996.

Wong, K.-C. The formation of tidal fronts in a coastal plain estuary, AGU Spring Meeting, Baltimore, Maryland, May, 1997.

Wong, K.-C. The transverse variability in the exchange between a coastal plain estuary and the adjacent continental shelf, 14th Estuarine Research Federation International Conference, Providence, Rhode Island, October, 1997.


Using MSSM Method to Observe Oil Spill Features in SAR Imagery, NASA Workshop on Coastal Environment Hazard, Baton Rouge, LA, 2/22/96.


Sea Surface Chlorophyll and Sediments from Thematic Mapper Imagery Using a Neural Network Model, 1996 AGU Spring Meeting, Baltimore, MD, 5/23/96.


A.4 Outreach Work

Coastal Ecosystem Health Managers' Advisory Committee

- Sarah Cooksey, Delaware Coastal Management Program Manager DNREC, Division of Soil and Water
- Bruce Richards, Executive Director Center for the Inland Bays
- Bob Zimmerman, Environmental Program Administrator DNREC
- John Schneider, DNREC, Division of Water Resources
- Rick McCorkle, Delaware Estuary Program U.S. Fish and Wildlife Service
- Kevin Donnelly, Environmental Program Administrator, DNREC, Division of Soil and Water Conservation
- Nancy Goggin, Nonpoint Source Coordinator DNREC, Division of Soil and Water Conservation
- Stephen Williams, P.G., Whole Basin Coordinator DNREC, Office of the Secretary
- Paul Petrichenko, Natural Resource Conservation Service
- Constance C. Holland, Director Kent County Department of Planning
- Kevin F. Coyle, Assistant Director Kent County Department of Planning

Managers' Advisory Committee Meetings

1. November 13, 1996 Managers' Advisory Committee meeting held in Dover, Delaware
2. August 29, 1996 Managers' Advisory Committee meeting held in Dover, Delaware
3. September 10, 1997 Managers' Advisory Committee meeting held in Dover, Delaware
4. May 5, 1998 Managers' Advisory Committee meeting held in Dover, Delaware

Preliminary Assessment of the Needs of Managers for Ecosystem Health Information

A series of interviews with state agency staff conducted by Joe Farrell, Marine Advisory Service Agent (University of Delaware) and Stephanie Poole (Master's student, University of Delaware), November-December, 1995.

Research Presentation and Question-and-Answer Session with Delaware State Agencies

On November 29, 1995, at the Department of Natural Resources and Environmental Control (DNREC) in Dover, Vic Klemas and Oliver Weatherbee made presentations on the Delaware NERR and Coastal Ecosystem Health project to representatives of state and federal agencies involved in regional environmental programs. Among the 26 attendees were ecosystem specialists and data managers from DNREC, the U.S. Fish and Wildlife Service, EPA, the Delaware Estuary Program, and the Center for the Inland Bays. The presentations were followed by a vigorous discussion of data requirements and processing needs.

Conferences

"Geographically Based Technologies: The Application of GIS and Remote Sensing to Coastal Issues" held at the University of Delaware, May 11-12, 1998. Sponsored by The University of Delaware Sea Grant Program, the University of Wisconsin Sea Grant Program, NOAA Coastal Services Center, Charleston, SC and the NOAA National Sea Grant Office. Conference was hosted by the Delaware Sea Grant Program, the Center for the Study of Marine Policy, and the Center for Remote Sensing, University of Delaware. Organized by Professor Robert Knecht (University of Delaware) and Professor Al Miller (University of Wisconsin). (See Valentine, Knecht and Miller, 1998.)

"Delmarva's Coastal Bay Watersheds" held in Ocean City, Maryland on March 8-9, 1996. Kent Price (University of Delaware) served as Co-Chair of the planning committee for the conference which was attended by citizens, elected and appointed officials, and special-interest representatives and decision-makers.
"Pfiesteria Briefing" held October 3, 1997 at the University of Delaware Lewes campus. The briefing for local governmental officials was hosted by Professor Kent Price and was given at the request of Congressman Mike Castle.

**Work with the Center for Inland Bays**

Professor Kent Price, the Director of the Marine Advisory Service (MAS), Delaware Sea Grant Program serves as chair of the Delaware Inland Bays Scientific and Technical Advisory Committee (STAC) and was also reelected to a third term as chair of the legislatively-created Center for the Inland Bays. As chair of the Board of Directors for the Center for the Inland Bays, Professor Price has been deeply involved in establishing operations for the Center. He also serves as a member of the Advisory committee for the Delaware/Maryland Coastal Bays Joint Assessment Program and as a member of the Maryland Coastal Bays STAC.

The marine recreation agent/specialist, James Falk is co-chair of the STAC and the coastal resource management agent/specialist, Joseph Farrell, is treasurer of the Citizens Advisory Committee (CAC) and supervises the citizens’ monitoring and water quality education program for the inland bays.

**Dissertations/Theses Generated**


Donahue, S., Policy Options for the Control of Agricultural Non-Point Source Pollution in Delaware: An Analysis, Master's Thesis. Graduate College of Marine Studies, University of Delaware.


**Student Internships**

Deborah Goldstein, Delaware Nature Society internship involving preparations for the 1997 Piedmont Basin Forum conducted by Delaware Department of Natural Resources and Environmental Control (DNREC). The forum's goal was to gain feedback from citizens about issues affecting the basin and its watersheds.

Deborah Goldstein, internship with Coastal Management Program, DNREC, spring 1996.

James Poling, Delaware Nature Society internship in 1997 involving the Wilmington Riverfront Revitalization Project focusing on the economic redevelopment of the land surrounding the Christina and Brandywine rivers while improving the quality of each respective watershed.

Forbes Darby, National Estuarine Research Reserve System (NERRS) fellowship in 1997 investigating management challenges associated with exotic species.


Stephanie Poole, internship with Center for Inland Bays, summer 1997.