

# Healthy Estuaries and Coastal Marshes

New Jersey's coastal zone includes:

3 National Estuary Programs

National Estuarine Research Reserve

Hudson-Raritan Estuary

What are the unique issues and innovative responses to coastal hazards in these vital areas?

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# A New Coastal Vision for New Jersey

- Describe a range of estuarine science, education and training programs developed in response to coastal hazards, especially storms, flooding and resilience of coastal systems
- Identify emerging strategies or innovations that can assist the state in developing its next generation Coastal Vision and Resilience Plan



# Emerging Strategies

- Superstorm Sandy changed attitudes toward coastal management
  - Buyout programs/NJ Blue Acres
  - Thin layer deposition
  - Integrated strategies to enhance marsh resilience
  - Regional-scale strategies
  - Social and economic factors must be addressed in a future vision
  - Planning and preparation, especially for opportunities immediately after a major storm event



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# Planning and Preparation-Future Opportunities

- Which communities/neighborhoods pose good targets for buyout/Blue Acres program?
- What are the best practices to guide thin layer deposition?
- Which suite of mitigation strategies can help to preserve marsh sustainability?
- Which lands should be acquired to accommodate marsh migration?
- How can we align various coastal/estuarine management plans to foster collaboration and regional-scale coastal management?
- Should we close or allow a future breach to remain open in a barrier island?



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# Speakers

- **Lisa Auermuller**, Assistant Manager  
Jacques Cousteau National Estuarine Research Reserve
- **Stan Hales**, Director  
Barnegat Bay Partnership
- **Jennifer Adkins**, Director  
Partnership for the Delaware Estuary
- **Rob Pirani**, Director  
NY/NJ Harbor Estuary Program