

**CIB Discussion of Proposed Research Topics
for the Center for the Inland Bays
STAC Meeting—18 February 2011**

Material Added after the Meeting is in Red

Topic/Title	Proposer
(1) Watershed and Bay Monitoring and Modeling	
Small Watershed Monitoring and Modeling	Judy Denver
Tidal Flushing and Residence Time	Chris Bason
Coupled Watershed, Hydrodynamic, and Water Quality Modeling using current and high frequency data	Damian Brady
Rehoboth Bay Water Quality Changes Associated with Wastewater Management	Bill Ullman
Small Watershed Responses to Nutrient Management	Judy Denver
(2) On Site Wastewater Regulation, Monitoring, and Modeling	
Development of Environmentally Sensitive New Regulations	John Austin
Assessment of Spray Irrigation and Rapid Infiltration as Wastewater Disposal Alternatives for Delaware	Scott Andres, Paul Imhoff, Pei Chiu
Fate of Nutrients from Artificial Wastewater Recharge	Bill Ullman
(3) Sea Level Rise	
Coastal Groundwater Responses to Sea Level Rise	Scott Andres, Holly Michael
Effects of Sea Level Rise on Groundwater Supply	Scott Andres, Holly Michael
Establishing Accurate Vertical Control in Coastal Delaware	Dave Carter Tom McKenna
(4) Legislative Outreach	
State of the Bays	Chris Bason
Reports to the Legislature	Bill Moyer
Legislative Outreach	John Austin
(5) Public and Scientific Outreach	
Public Reporting	Bill Moyer
Regional Coastal Bays Scientific Meeting	Bill Ullman
(6) Submerged Aquatic Vegetation/Vascular Plants	
Submerged Aquatic Vegetation Criteria and Restoration	Kent Price
(7) Bacteria Source Tracking	
Tower Road & Love Creek Bacterial Source Tracking	Edythe Humphries
(7) Emerging Contaminants	
Emerging Contaminants: Sources, Fate, and Environmental Impact	Gulnihal Ozbay