

DRAFT Summary of Mid-Atlantic climate adaptation initiatives/studies

Updated 12/5/2012

Name	Climate-Smart Coastal Impoundments – Replacing Lost Functions and Values	NY DOS mapping coastal flood risk vulnerability	New York State 2100 Commission
Geography	Delaware	New York coastal counties	New York
Description	<p>Accelerated sea-level rise is threatening many rich coastal wildlife habitats in Delaware. Recent assessments have shown coastal impoundments and their habitats to be highly vulnerable to sea-level rise, with a significant risk that many will be completely destroyed. Two new coastal impoundments at the Ted Harvey Wildlife Area will be constructed that are inland and upland of existing impoundments. Lessons from this effort will be shared with additional conservation partners throughout the Mid-Atlantic and East Coast, encouraging similar management approaches at other coastal impoundments to ensure that these important coastal habitats continue to be available to support the East Coast's vast populations of migratory birds and other important wildlife species.</p>	<p>This project will segregate geographic areas into three classifications for likelihood of flooding. Data sets will include current coastal flood risk and potential future risk with sea level rise. Planning priorities will focus on assets in the most vulnerable locations and the highest value assets in areas of lesser risk. The mapping is being coordinated with products under development for the NOAA Sea Level Rise Viewer. NYS-DOS is formulating guidance for communities on the planning process.</p>	<p>Governor Cuomo has assembled a commission of regional experts to develop recommendations for improving the resilience of the state's infrastructure to natural and man-made hazards. The magnitude of impacts from Hurricane Sandy places significant emphasis on coastal storms and sea level rise. The Commission will distill recommendations from five sector areas: Land Use, Insurance, Energy, Infrastructure and Transportation. A public comment session is planned for December 18 in New York City, with final recommendations to be submitted to the Governor by January 3, 2013.</p>
Lead	Delaware Department of Natural Resources and Environmental Control	New York Department of State, NOAA Coastal Services Center	New York State
Link	None yet	None yet	http://www.governor.ny.gov/press/11152012-Emergency-Preparedness

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Name	Coastal Vulnerability Index for the Atlantic Coast	Northeast Association of Fish and Wildlife Agencies Regional Vulnerability Model
Geography	Atlantic Coast	Northeast states
Description	The coastal vulnerability index provides insight into the relative potential of coastal change due to future sea-level rise. The maps and data are a base for developing a more complete inventory of variables influencing the coastal vulnerability to future sea-level rise and as an example of the potential for assessing coastal vulnerability to future sea-level rise using objective criteria.	The Manomet Center for Conservation Sciences is mapping the vulnerabilities of major wildlife habitats across the 13-state Northeastern Region. The program has already made significant progress in building the tools for this project
Lead	US Geological Survey	Manomet Center for Conservation Sciences
Link	http://pubs.usgs.gov/of/1999/of99-593/	http://www.manomet.org/programs/climate-change/neafwa-regional-vulnerability-assessment