

APNEP 2011 Ecosystem Assessment Update

THANK YOU to authors of indicator chapters and metric sections!

Thanks also to state agencies (DAQ, DEH, DWQ, Commerce) for their guidance and support.

We are on track to have a draft of the assessment completed by the end of June!

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System-wide Indicators

Climate change

Authors: Darin Figskey – storm frequency, storm intensity, air temperature, water temperature
Helena Mitasova and Reide Corbett – changes in the estuarine and marine shorelines
Lindsay Dubbs - average salinity across the estuarine system and relative sea level
Brian Boutin & Erin Fleckenstein - support with average salinity across the estuarine system

Air quality:

Authors: Robin Dennis - total inorganic nitrogen deposition, tropospheric ozone concentration (secondary standard)

Unusual mortalities/disease:

Authors: Wilson Laney – instances of mass or unusual deaths of and instances of disease in marine mammals, fishes, birds, and turtles

Economic productivity:

Authors: Andy Keeler and Lindsay Dubbs - major yields and monetary value of agricultural, silvicultural, and fisheries products

Species diversity

Authors: Dean Carpenter - : extent of areas of high biological diversity (natural heritage index), number of threatened and endangered species (aquatic and terrestrial), number of endemic species (aquatic and terrestrial)

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Land-based Indicators

Land cover

Authors: Silvia Terziotti and Tom Crawford- change in the extent of wetlands, urban areas, agricultural land, forests, and silvicultural land; change in the number of CAFO's

Population:

Authors: TBD – change in human population by county, river basin, and entire AP system

Water-based Indicators

Water quality

Authors: Mike Piehler and Lindsay Dubbs - instances of violations of Clean Water Act 303(d) criteria including chemical and dissolved metal concentrations, bacterial counts, dissolved oxygen, total phosphorus, total nitrogen, chlorophyll *a*, suspended solids and turbidity

Extent of living habitat

Authors: Dean Carpenter and Don Field - submerged aquatic vegetation extent and oyster bed extent

Fish populations

Authors: Dean Carpenter and Wilson Laney - stock statuses of choice species

Riverine Inputs

Authors: Tim Spruill - freshwater flow rates, number and type of point source pollutants, nutrients, total suspended solids

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Please volunteer to write an indicator chapter or metric section if you think that something is presently missing!

To authors, please send Lindsay as soon as possible:

- Graphs and text mimicking the format and extent of the Heinz Report
- A technical appendix that includes notes on data quality and quantity (gaps in knowledge), changes in methodology, data manipulation, and data sources (also mimicking the Heinz Report)
- Names of any agencies or people who should be acknowledged for their guidance and support
 - Summary data in the event that figures need to be reformatted
- An estimate of the time that you dedicated to research and authorship

(lindsay.dubbs@gmail.com)