

Sea Level Rise Action Committee Vulnerability Assessment  
Natural Resources Workgroup

DRAFT TABLE OF CONTENTS  
for  
NATURAL RESOURCES CHAPTER OF VULNERABILITY ASSESSMENT

I. INTRODUCTION

- a. SLR & Natural Resources
  - i. Basic info on sea level rise and relationship to natural resources
- b. Workgroup Process & Members
  - i. Basic info on workgroup process and workgroup members
- c. Unavailable Data
  - i. Data we wanted but was not available

*The following sections indicate large topic area, with the data available to assess each listed below each topic. A template has been developed for use in drafting each section.*

I. WATER RESOURCES (Marine and Freshwater Aquatic Resources?)

- a. Salinity Changes **Chris Somerfield/Hillary Stevens**
  - i. Inferred head of tide layer-DCP estimates
  - ii. Shellfish maps???
  - iii. Fisheries spawning data???
- b. Surface Water? Or Waterways
  - i. *Riverine aquatic and submerged vegetation*
  - ii. *Non-tidal coastal plain streams*
- c. Groundwater Effects **Sarah Cooksey/Kelly Valencik**
  - i. Recharge areas
  - ii. Undeveloped recharge areas
  - iii. Municipal well data/wellhead protection areas
  - iv. Private well data (???)

II. WETLANDS – Floodplains and headwaters

- a. Tidal **Chris Bason/Jennifer Adkins**
  - i. Saltwater Tidal
    - 1. *Spartina high salt marsh*
    - 2. *Spartina low salt marsh (not mapped)*
  - ii. Freshwater Tidal
    - 1. *Freshwater tidal wetlands(forest and shrub – check with Bill)*
    - 2. *Mixed broadleaf freshwater tidal marsh*



- b. Conservation easements **Brenna Goggin/ Roger Jones**
  - i. DNREC Parks conservation easement layer (includes NGO lands)
- c. NGO-owned lands? TNC, DNS, DWL, Brandywine Conservancy, others?
- d. Local / County Parks
- e. Wildlife Refuges **Susan Guiteras**
  - i. Prime Hook and Bombay Hook NWR
- f. State Parks/Wildlife Areas/State Forests/DNERR– Functions and purposes are different, may want to separate into different worksheets, not sure.
  - i. DNREC State Parks layer
  - ii. DNREC State Wildlife Areas layer
  - iii. DNREC DNERR
  - iv. DDA State Forests

VII. AGRICULTURE **Pam Thornburg/Morgan Ellis**

- a. Land Use Land Cover
  - i. LULC data for agriculture which includes fields, truck crops, CAFO and open pasture.
- b. High Productivity
  - i. Areas of high productivity based on soils data.
- c. Preservation & Conservation
  - i. Agricultural land preservation districts and agricultural conservation easements

- ~~Ancient sand ridge forest~~
- ~~Atlantic white cedar wetlands~~
- ~~Bald Cypress wetlands~~
- ~~Beach and Dune~~
- **Bishop weed mixed species brackish marsh**
- ~~Black ash seepage swamp~~
- ~~Coastal plain seasonal pond~~
- ~~Freshwater intertidal quillwort flat~~
- ~~Freshwater tidal wetlands~~
- ~~Interdunal Wetlands~~
- ~~Mixed broadleaf freshwater tidal marsh~~
- **Mixed herb deep peat wetland**
- ~~Riverine aquatic and submerged vegetation~~
- ~~Spartina high salt marsh~~
- ~~Tulip tree rich woods~~
- ~~Non-tidal coastal plain streams~~