Hydromorphology in Holocene Age Dunal Landscapes.

Annie Rossi and Martin C. Rabenhorst

In cooperation with:

USDA-NRCS

The Mid-Atlantic Hydric Soils Committee (MAHSC)

UNIVERSITY OF MARYLAND 1856

DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY

College of Agriculture & Natural Resources

www.enst.umd.edu

General Research Strategy

General Research Strategy

TP3

TP2

TP1

Soil Surface

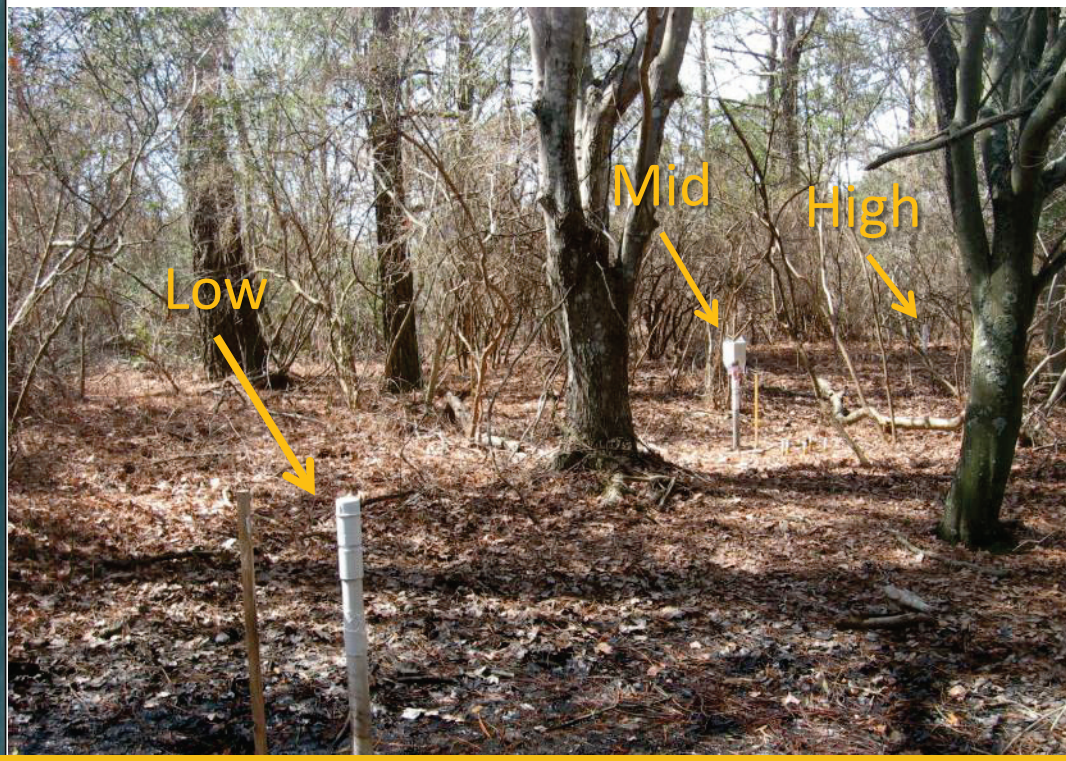
Seasonally High Water Table

Burried A or O horizon

10 transects established

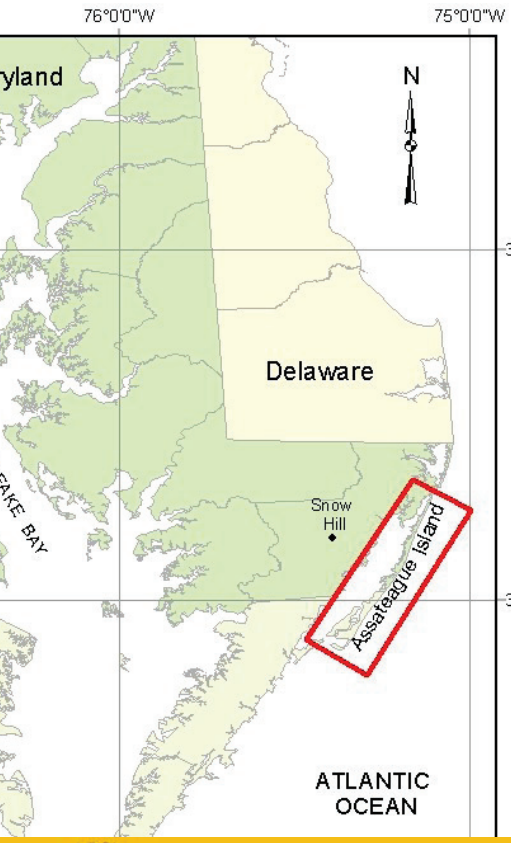
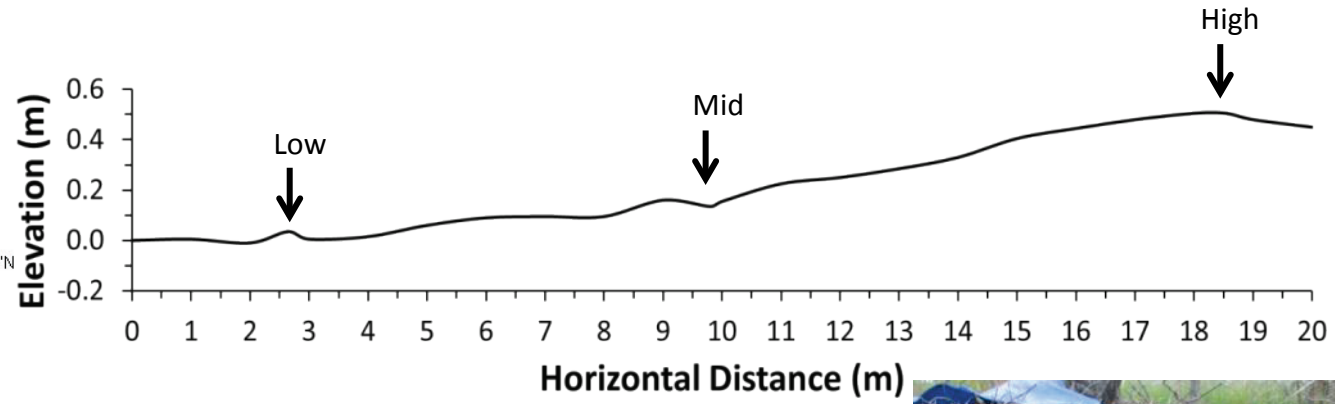
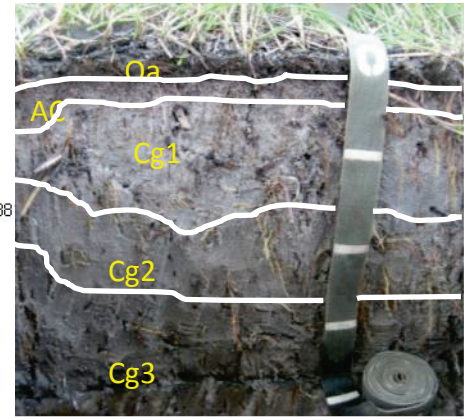
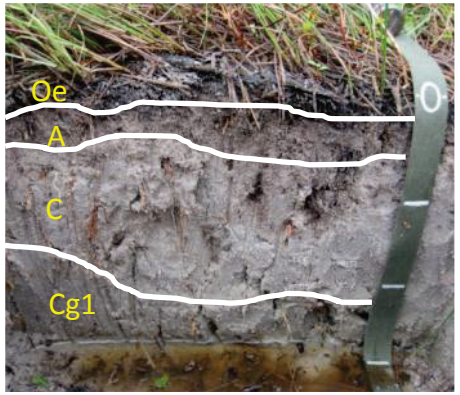
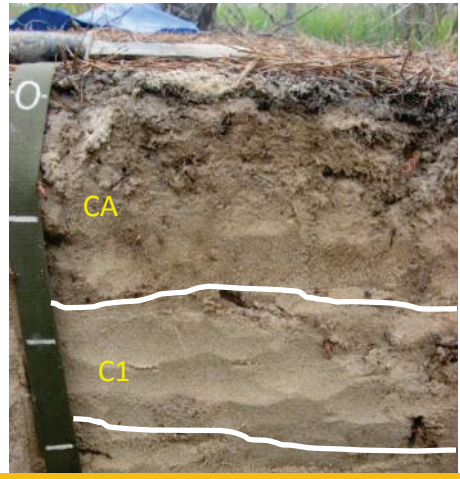
6 sites in Barrier Core

4 sites in Overwash Zone



Instrumentation

- Install at each transect
  - Water table wells
  - Soil temperature probes
  - IRIS tubes (maybe Eh)
- Measure at the site
  - Air temperature
  - Precipitation

Morphological Data Collection

- To recognize and understand the development of diagnostic morphological characteristics of hydric soils on barrier island landscapes
  - Measurements of water tables and reducing conditions
  - Comparisons with soil morphology