



Southeast Global Change Monitoring Portal

Cari Furiness

NC State University

DOI Southeast Climate Science Center

Jerry McMahon, USGS and Damian Shea, NCSU

Ryan Boyles and Barry Goldfarb, NCSU

Project Objective

- Develop a centralized, comprehensive catalog of information about observational networks/monitoring programs associated with air, land, and water resources that may be used to assess the potential impacts of changes in climate and land use in the southeastern United States
- Goal is to allow a user to locate data resources relevant to a specific management issue or science question of interest
 - Incorporate information about data collected in abiotic and biotic components of terrestrial and aquatic ecosystems, including coastal
 - Don't portal data, only metadata, but provide information about data access

Measurement Classification

Measurement Category				
Media Type	Measurement Type	Biological Parameter Type	Chemical Parameter Type	Physical Parameter Type
Air	Biological	Ecosystem	Metals	Habitat
Land	Chemical	Fauna	Nutrients	Hydrologic
Water	Physical	Flora	Organic	Land cover
		Other Biological	Other Chemical	Meteorological
				Soil/Sediment
				Surface elevation
				Other Physical

Geographic Classification

- State

- LCC



Geographic Classification

- Level III Ecoregion



- 8-digit HUC



Monitoring Program and Site Detail

Weeks Bay National Estuarine Research Reserve Sentinel Site Program Surface Elevation Monitoring (WKB NERR SSP SEM)

Description: The National Estuarine Research Reserve System is a network of 28 areas representing different biogeographic regions of the US that are protected for long-term research, water-quality monitoring, education and coastal stewardship. Established by the Coastal Zone Management Act of 1972, as amended, the reserve system is a partnership program between the National Oceanic and Atmospheric Administration and the coastal states. Weeks Bay NERR is part of the NERRS Sentinel Sites Network, a group of linked reserves or components of reserves that provide sustained observations to detect and understand changes in the ecosystems they represent. Surface elevation tables are used to measure elevation change (both deposition/accretion and subsidence/erosion) of wetland sediments along a transect from water to the seep forest. Changes in vegetation are also monitored along the transect.

Status: Active - 2014 to Present

Number of Sites in Program: 12

Number of Sites Registered in GCMP: 12

Point of Contact: Scott Phipps <Scott.Phipps@dnr.alabama.gov>

Program URL: <http://www.outdooralabama.com/weeks-bay-reserve>

Data Access URL: <http://cdmo.baruch.sc.edu/>

Sponsoring Organization(s): NOAA

Management Issue Addressed/Purpose of Sampling: Provide understanding of ecosystem conditions at local, regional, or national scales | Support resilient coastal communities by informing management responses and adaptation planning

Sampling Frequency: Quarterly

Area Sampled: Coast of Alabama

Monitored Parameters: Media Measurement Biological Chemical Physical

Land Biological Flora Surface elevation

Site Details

Site Name: Weeks Bay NERR

Site Code: WKB SET4

Site Description: Cladium marsh

Monitoring Program: Weeks Bay National Estuarine Research Reserve Sentinel Site Program Surface Elevation Mon

Coordinates (WGS84): 30.4167/-87.8282

Proximity: Approximate

Date Span: 2014 to Present (as of 07/15/2015)

Geographic Classification:	State	LCC	Ecoregion	HUC8
	Alabama	Gulf Coastal Plains and Ozarks	Southern Coastal Plain	03160205

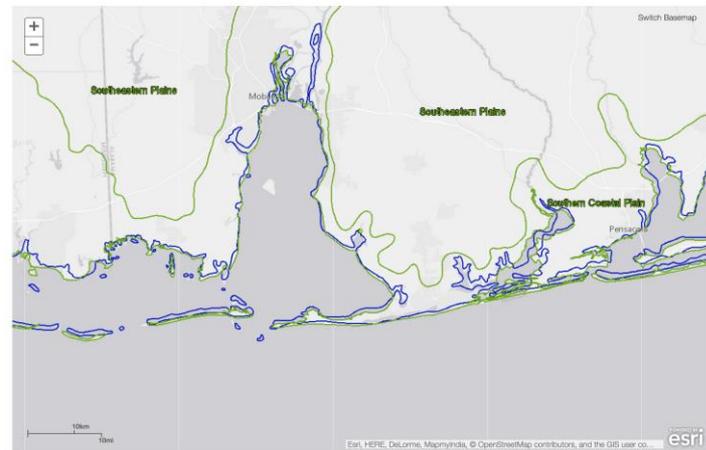
Monitored Parameters: Media Measurement Biological Chemical Physical

Land Biological Flora Surface elevation

Physical

Site Map

- Sampling Site
 - Land
 - Water
 - Marsh
- Ecoregions
- LCC Boundary
- HUC8 Boundary
- State
- County
- GCMP Region Boundary



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Search for Programs and/or Sites

Global Change Monitoring Portal

Home Browse Programs **Search** Main Map Dictionaries SE CSC Contact login

Search

You may define search criteria by making selections by Geography category and/or by Measurement category. Making no selection returns all records in the database.
Search results are displayed onscreen and can be downloaded as a file in csv or Excel format.

Search Programs Search Sites

Search by Geography

State: (Clear Selection)

Landscape Conservation Cooperative: (Clear Selection)

Ecoregion (Level III): (Clear Selection)

Hydrologic Unit (8-digit Code): (Clear Selection)

Search by Measurements

Media Type: (Clear Selection)

Measurement Type: (Clear Selection)

Biological Parameter: (Clear Selection)

Chemical Parameter: (Clear Selection)

Physical Parameter: (Clear Selection)

[Search Help](#)

Making multiple Geography selections implements an "OR" (inclusive) search functionality within each category box (State, LCC, Ecoregion, HUC8), so that search results will return all records that contain any of one or more category type selected. Making selections in multiple category boxes will implement an "AND" (exclusive) functionality, so that the search results will return only records that contain any of one or more category type selected in one geographic category and that also contain any of one or more category type selected in other geographic categories.

Making multiple Measurement selections implements an "OR" (inclusive) search functionality within each category box (Media Type, Measurement Type, Parameter Types), so that search results will return all records that contain any of one or more category type selected. Making selections in multiple category boxes will implement an "AND" (exclusive) functionality, so that the search results will return only records that contain any of one or more category type selected in one category and that also contain any of one or more category type selected in other measurement categories.

Making both Geography and Measurement selections implements an "AND" (exclusive) functionality.

Results

1 - 50 of 54 Programs

Programs		Sites										
Program	Sampling Purpose	Sponsoring Organization	Media Type	Measurement Type	Biological Parameters	Chemical Parameters	Physical Parameters	Sampling Frequency	Data Span - Start	Data Span - End	Area Sampled	Sites in GCMP
National Wetland Condition Assessment - Biological (NWCA-B)	Report on the ecological condition of wetlands nationally	USEPA	Land, Water	Biological	Flora, Other Biological			Periodic	2011	2011	Conterminous US and Alaska	16
USGS Amphibian Research and Monitoring Initiative (ARMI)	Assess scope and causes of amphibian declines Support effective management actions	US Geological Survey	Land, Water	Biological	Fauna			Various	2000	Present	US	7
Georgia DNR Coastal Resources Division Shellfish Water Quality (GCRD SWQ)	Monitor water quality of shellfish harvest areas Protect public health	Georgia Department of Natural Resources	Water	Biological	Other Biological			Bi-monthly	2000	Present	Georgia coast	88

GCMP Status

- ~200 program/project entries, ~250,000 associated sites at current phase
- Gathering feedback to determine what needs of scientists, managers, and other stakeholders in the southeast region can be met with this current phase of the GCMP
- We also would like to get feedback about what other potential needs that could be met with additional development