



Sentinel Site Quarterly

*North Carolina
Sentinel Site Cooperative*

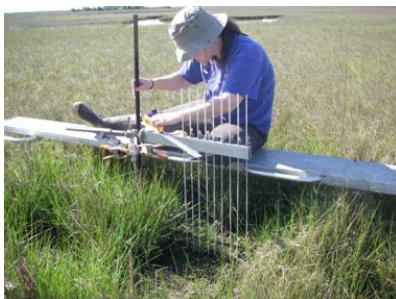
Welcome to the Sentinel Site Quarterly!

The North Carolina Sentinel Site Cooperative (NCSSC) was established in 2012 as part of a NOAA-wide effort to provide coastal communities and resource managers with information on the potential impacts of sea-level rise on coastal habitats.

For more information about anything in this newsletter, contact [Whitney Jenkins](#).

Inventory of SETs to be Conducted

The NOAA Sentinel Site Program has provided funding to assemble an inventory of Surface Elevation Tables (SETs) within the boundaries of all five NOAA Sentinel Site Cooperatives.



SETs are used to measure changes in marsh surface elevation, and provide data to support models predicting the response of salt marshes to sea-level rise. The NCSSC is leading this effort, and will be working with the other SSCs this fall to complete the inventory.

For more information, contact [Carolyn Currin](#).

In This Issue

[Inventory of SETs to be Conducted](#)

[NCSSC "In the Spotlight"](#)

[Research & Monitoring Coordination Workshop Report Now Available](#)

[Funding for Clearinghouse Development](#)

[Water Level Sensors Installed in Middle Marsh](#)

[Update from the National Sentinel Site Program](#)

Quick Links

[NOAA Sentinel Site Program](#)

[North Carolina Sentinel Site Cooperative](#)

[Research & Monitoring Coordination Workshop Report](#)

[Sentinel Site Quarterly Volume 1, Issue 2](#)
(previous Issue)

NCSSC Featured on NOAA in the Carolinas' Web Page



NOAAⁱⁿ the CAROLINAS
National Oceanic & Atmospheric Administration



Be sure to check out the NOAA in the Carolinas' Web page - the NCSSC is "In the Spotlight!"

<http://www.carolinas.noaa.gov/>

Research & Monitoring Coordination Workshop Report Now Available

In March 2013, the NCSSC conducted a Sea-Level Rise Research and Monitoring Coordination Workshop. Scientists and coastal managers involved in generating or applying research and monitoring data related to sea-level rise and inundation in the central coast of North Carolina were invited to participate in this workshop. The purpose was to share related work and identify and prioritize monitoring and research gaps related to sea-level rise.

The report from this workshop is [now available!](#)



Sea-Level Rise Research & Monitoring Coordination Workshop Participants

NCSSC Receives Funding from SECART for Clearinghouse Development

Thanks to support from NOAA's Southeast and Caribbean Regional Team (SECART), the NCSSC has funding to continue to address the gaps identified at the March 2013 Sea-Level Rise Research and Monitoring Coordination workshop. This fall, in coordination with the [North Carolina Coastal Atlas](#), the NCSSC will begin to develop a clearinghouse for research and monitoring projects within the NCSSC boundaries. The development of the clearinghouse will start with interviews of potential clearinghouse users, to ensure the product fits user needs. Working with the NC Coastal Atlas, which is already a clearinghouse-type product, will ensure a stable home for the NCSSC clearinghouse.

Research Update: Water Level Sensors Installed in Middle Marsh

Two Hobo water level sensors were installed in Middle Marsh on August 22, 2013. The sensors were deployed at upper and lower ends of a vegetation transect used for long-term monitoring of vegetation in the [Rachel Carson component](#) of the [NC National Estuarine Research Reserve](#). The sensors record water depth every five minutes, and will be used to calculate inundation periods for low and high marsh. The titanium sensors were purchased with funds provided to the NCCOS Center for Coastal Fisheries and Habitat Research for research on the impact of climate-related drivers on coastal habitats. For more information, contact [Carolyn Currin](#).

Have a research update you'd like to share in the next Sentinel Site Quarterly? Contact [Whitney Jenkins](#).

Update from the National Sentinel Site Program

NOAA's Sentinel Site Program (SSP) consists of five Cooperatives, which include North Carolina, Chesapeake Bay, Northern Gulf of Mexico, San Francisco Bay, and Hawaiian Islands. The goal is for these Cooperatives to utilize the full force of NOAA coastal and ecosystem monitoring, measurement, and tools in partnership with federal, state, and local efforts to help solve concrete problems that people are facing in coastal communities.

Here is the latest from the SSP...

The SSP has contracted with Woolpert for the development of a web-based framework that will be publicly accessible and provides various stakeholders



access to authoritative and actionable data, information, and visualizations. This will form the basis of a program-wide information clearinghouse.

In addition, the SSP is working to fill the most significant Cooperative-identified gap by connecting with the NOAA Sea Grant program to engage Sea Grant Extension Agents for half-time work supporting coordination for each of the Cooperatives. If the SSP can raise \$100,000 in fiscal year 2014 funding from other sources, Sea Grant has committed to match it.

For more information about the SSP, contact the NCSSC's liaison to the the SSP's Coordination Committee, [Karsten Shein](#).

The [NOAA Sentinel Site Program](#) leverages existing research and monitoring resources to ensure resilient coastal communities and ecosystems in the face of changing conditions. The program's place-based approach focuses on issues of local, regional, and national significance that impact habitats and species managed by NOAA as well as surrounding coastal communities.