

# Coastal Carolinas DEWS



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# Coastal drought



## The Impact of Drought on Coastal Ecosystems in the Carolinas

Executive Summary January 2012

Steve Gilbert, US Fish & Wildlife Service and National Oceanic and Atmospheric Administration (retired)

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- Causes
  - Lack of rainfall in the coastal region
  - Lack of freshwater inflow from upstream
  - Interactions with tidal regimes
- Direct effects
  - Water quality conditions, increasing salinity levels and fluctuations
  - Availability and timing of freshwater to support animals, plants, and habitats

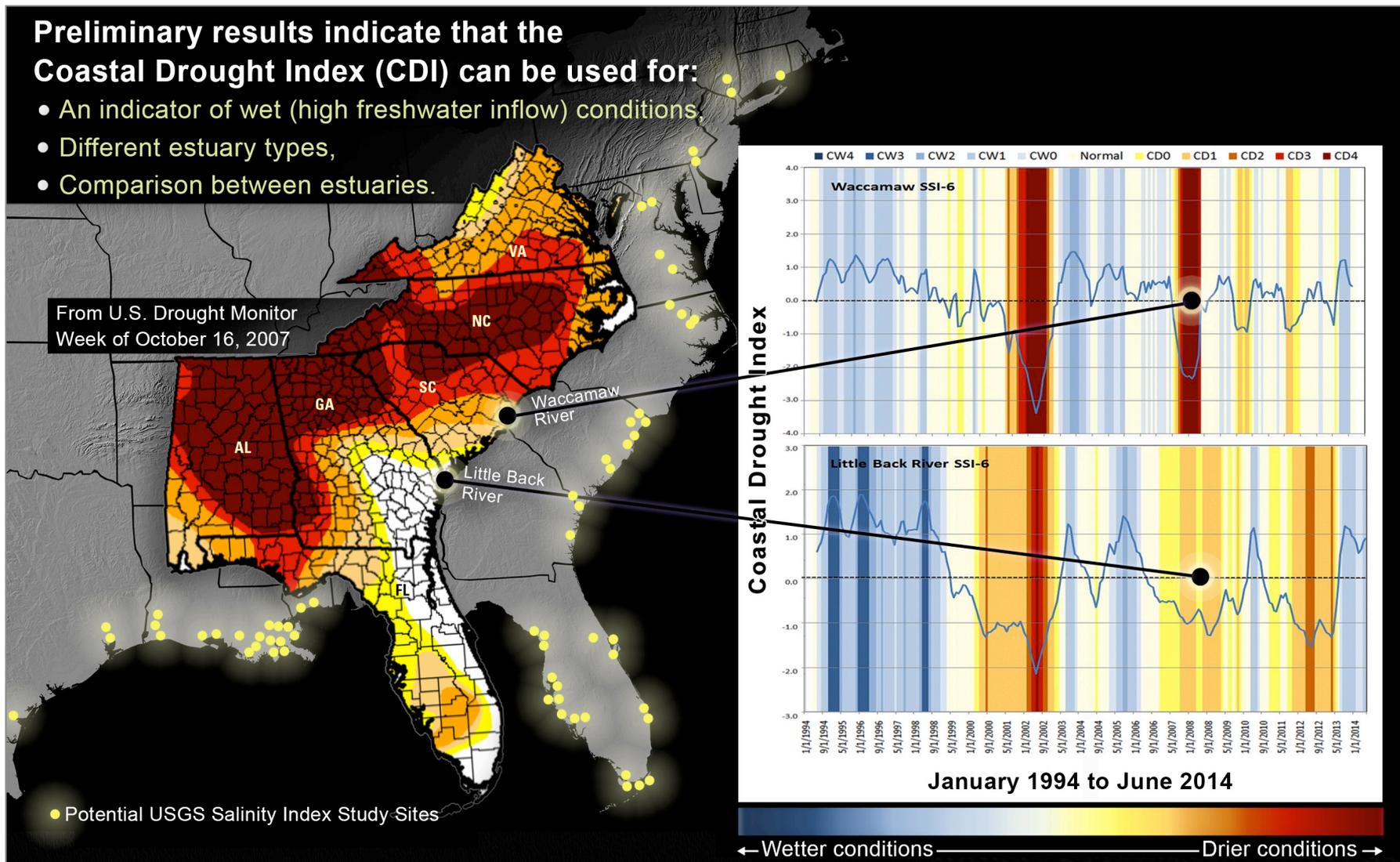
# Coastal Drought Index

Lead: Paul Conrads, USGS South Atlantic Water Science Center

Preliminary results indicate that the Coastal Drought Index (CDI) can be used for:

- An indicator of wet (high freshwater inflow) conditions.
- Different estuary types,
- Comparison between estuaries.

From U.S. Drought Monitor  
Week of October 16, 2007



# CoCoRaHS Condition Monitoring

Leads: Amanda Brennan and Kirsten Lackstrom, CISA



# CoCoRaHS Condition Monitoring Report Form

Condition Monitoring Report Form							Submit Data	Reset
<b>Station Number :</b> SC-RC-51								
<b>Station Name :</b> Columbia 6.6 SE								
<p>Condition monitoring reports are submitted on a regular (weekly, biweekly, monthly) basis to share information about the effects of local precipitation on the environment and society. By submitting reports on a regular basis, you create a baseline to see change through time, such as seasonal differences or changes caused by more or less precipitation. Please refer to the <a href="#">Condition Monitoring training slide show</a> for more information.</p> <p><i>* indicates required field</i></p>								
<b>Report Date *</b>								
4/22/2016								
<b>Condition Scale Bar</b> <a href="#">More information on the scale bar</a> <input type="button" value="Clear Scale Bar"/>								
<b>Severely Dry</b>	<b>Moderately Dry</b>	<b>Mildly Dry</b>	<b>Near Normal</b>	<b>Mildly Wet</b>	<b>Moderately Wet</b>	<b>Severely Wet</b>		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
<b>Description</b>								
<p>Please provide a description of how dry, normal or wet conditions are affecting you, your livelihood, your activities, etc. *</p> <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>								
<b>Report Categories</b>								
<p>Please check at least one report category. If you check a category, please provide supporting information in the description. <a href="#">More information on condition monitoring categories.</a></p> <ul style="list-style-type: none"><li><input type="checkbox"/> General Awareness</li><li><input type="checkbox"/> Agriculture</li><li><input type="checkbox"/> Business And Industry</li><li><input type="checkbox"/> Energy</li><li><input type="checkbox"/> Fire</li><li><input type="checkbox"/> Plants And Wildlife</li><li><input type="checkbox"/> Relief Response</li><li><input type="checkbox"/> Society And Public Health</li><li><input type="checkbox"/> Tourism And Recreation</li><li><input type="checkbox"/> Water Supply And Quality</li></ul>								
<input type="button" value="Submit Data"/> <input type="button" value="Reset"/>								

# Condition Monitoring Web Map

(available May 2016, [www.cisa.sc.edu/webmap](http://www.cisa.sc.edu/webmap))

