

# WebCAT Update

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# Objective and Approach

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## Objective

- Develop a testbed to use cams for environmental monitoring.
- Standardize cam data management and delivery to stakeholders to meet multiple NOS priorities.

## Approach

- Stakeholder planning
- Host Acquisition
- Install 5 Cams
- Data delivery to Axiom using existing operational Surfline capabilities (i.e. AWS/CDN)
- Axiom Makes Streams Available
- Workshop

# Accomplishments

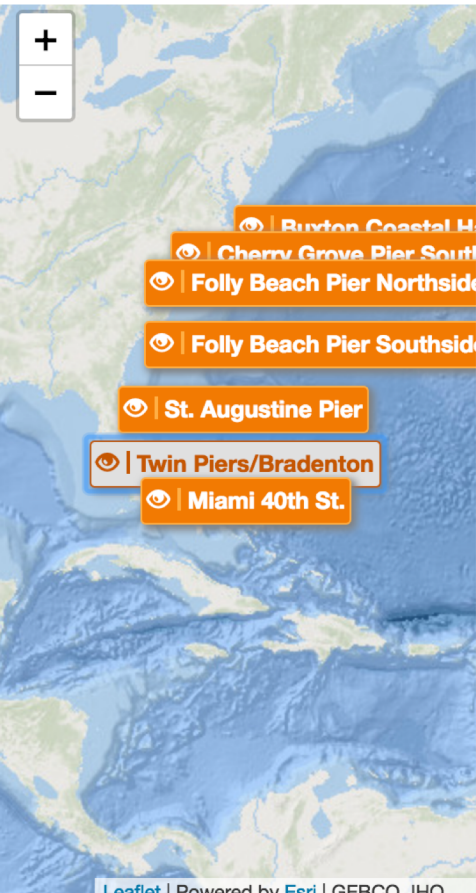
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- Cam hosts acquired/installs completed at Buxton, Myrtle Beach, St. Augustine, Miami, Bradenton.
- “Bonus” cams at Folly Beach Pier, Anna Maria Island, Myrtle Beach, Buxton
- Somehow this turned into 10 cams on Surfline, 7 to SECOORA!
  - Funding was for 5.
- Kyle and team quickly made data available through [secoora.org/webcat](http://secoora.org/webcat)
- WebCAT highlighted at AMS Washington Forum, Global Wave Conference, abstract accepted at Ocean Obs.

# Example

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Buxton Coastal H

Cherry Grove Pier South

Folly Beach Pier Northside



Folly Beach Pier Southside

St. Augustine Pier

Twin Piers/Bradenton

Miami 40th St.

Twin Piers/Bradenton



Live

Archive

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Select archive date

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# Impact

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- Stakeholders now have access to real time and archived streams for analysis
- NWS already using for surf zone/coastal flood ops
- Surfline users have cams in important areas
- Use of Surfline and Axiom expertise has provided stakeholders with a low cost, high impact dataset

