

**Monthly Report: April 2015**

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**By:**

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Bill and Mary:

Please see the bulleted list below for the major actions and accomplishments associated with Cooperative Agreement Number W912HZ-14-2-0002 for the month of April 2015. Please let me know if you would like me to elaborate on the details of any items I've listed below, or if there are any status updates you'd like on unlisted topics.

Best Regards,

Jamie

### Marsh Vegetation

- We will conduct a synoptic sample of marsh vegetation at all sample locations (n=108) within all marsh monitoring areas (n=12) beginning 22 June.

### Water Data

- Data from 23 February – 22 April have been downloaded from the deployed autologgers (“AquaTrolls”).
- All sensors collecting aboveground salinity and belowground salinity measurements were calibrated immediately after data were downloaded. This was done on-site.
  - In-Situ suggests calibration annually. Timing of this calibration is right at one year from initial deployment.

### Forest monitoring

- Monthly measurements of baldcypress tree growth, determined via dendrometer band expansion, began February 2015 and were last taken 22 April.
  - Growth rates are still low for all trees (< 1 mm).
    - Swamp 2 has the highest growth rates so far. One tree has 1 mm growth and several others are showing 0.5 – 0.75 mm growth.
    - Swamp 1 has growth measurements similar to Swamp 2, though the maximum is only 0.75 mm.
    - Swamp 3 has the lowest growth rates. Most trees show no growth, while some show 0.25 mm.