

Monthly Report: November 2015

**BARUCH
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COASTAL
ECOLOGY AND
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SCIENCE**

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To:
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08 December 2015

By:
Jamie Duberstein

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 November 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

- All vegetation samples from the October collection have been dried and weighed. Data processing for analysis is underway.

Water Data

- Water data were last downloaded on 30 November – 01 December.
 - The belowground sensor at Middle 3 failed 10/15/2015 at 4:33.
 - A replacement sensor will be deployed during the second week in December.
 - The belowground sensor at Middle 4 failed 10/16/2015 at 4:16.
 - A replacement sensor will be deployed during the second week in December.
 - The well array (wells and housing) at Back 4 was discovered broken with both wells knocked over. Base coupling was broken and could not be repaired on site, so the whole unit was taken out of the field. Hogs.
 - A new array will be deployed during the second week in December.
- Updated salinity tables will be provided in the December monthly report.

Forest monitoring

- Monthly measurements of baldcypress tree growth were last taken on 01 December for all study sites.
- Average basal area increase for the past month:
 - Swamp 1: -0.1 cm² (10 Oct. – 01 Dec.)
 - Swamp 2: -0.1 cm² (10 Oct. – 01 Dec.)
 - Swamp 3: 0.0 cm² (11 Oct. – 01 Dec.)
- Most of the leaves are off. It is not atypical to see minor decreases in tree diameter during late autumn and winter.