

# PROGRESS REPORT OUTLINE FOR MOBILE BAY NATIONAL ESTUARY PROGRAM PROJECTS

**Project Manager:** Kit Alexander

**For the Period:** May 2014 to September 2014

**Project:** SR161 Wetland Restoration and Enhancement  
453-5670-3200-2600-A115B

## 1. What work was accomplished for this reporting period?

The project has been completed.

The work that was performed this period included the following:

- Excavation of a non-jurisdictional upland area for wetland expansion on the south end of the project area.
- Planting of 600 additional vascular aquatic plants in the newly excavated area, specifically Blue Flag Iris (*Iris virginiana*), Soft Rush (*Juncus effusus*) and Gulf Muhly (*Muhlenbergia capillaris*)
- Construction of a concrete weir to retain stormwater within the wetland area, stabilizing the normal pool elevation within the wetlands as advised by wetland scientist.
- Installation of wetland invasive species and species identification interpretive signage:



- Installation of wetland protection area signs surrounding the project area:



- Craig Martin of Wetland Sciences Inc. has been retained to oversee the ongoing wetlands monitoring and maintenance as needed.

- A final evaluation was performed by Wetland Resources Inc. to determine the total enhanced and expanded wetland acreage. The project resulted in the enhancement of the existing 0.53 acres of wetlands and an expansion of 0.93 additional wetland area. The total amount of wetlands on the site is 1.46 acres. See attached aerials showing the 2011 existing wetland limits and the 2014 wetland areas following project completion.

**2. What problems (or sources of error) were encountered, if any?**

No problems were experienced during this report period.

**3. If a problem was encountered, what action was taken to correct it?**

NA

**4. What work is projected for the new quarter activity?**

Project has been completed; however, Wetland Sciences Inc. has been retained for ongoing wetland monitoring and maintenance.

**5. Is the project work on schedule?**

(a) This quarter. No

(b) For this project. No

**6. If you will not complete the project as projected, have you submitted your request for a funding amendment?**

NA

**7. What has been spent to date?**

The City has spent \$57,281 to date and has been reimbursed \$22,500. The City is requesting reimbursement for the interpretive and "Do Not Disturb" signs in the amount of \$3810 per the attached invoices. This is less than the estimated \$5000 budgeted for interpretive signage as provided in the grant. The City had an outstanding matching funds balance equal to \$1595. The City has met the local match requirement for this grant by paying a total of \$3852 for the concrete weir and additional wetland species installations; see attached invoices.

**8. What is your plan for spending the remaining funds?**

The project is completed and the City will not be spending any additional funds on this project other than ongoing monitoring and maintenance by Wetland Sciences Inc. This will be entirely funded by the City of Orange Beach. Project is completed.

**9. Have you submitted an invoice for reimbursement? A copy should be attached to the progress report.**

A request for reimbursement is attached.

**10. Is there a change in project manager?**

Kit Alexander remains as project manager.

## SITE PRIOR TO ENHANCEMENT AND RESTORATION

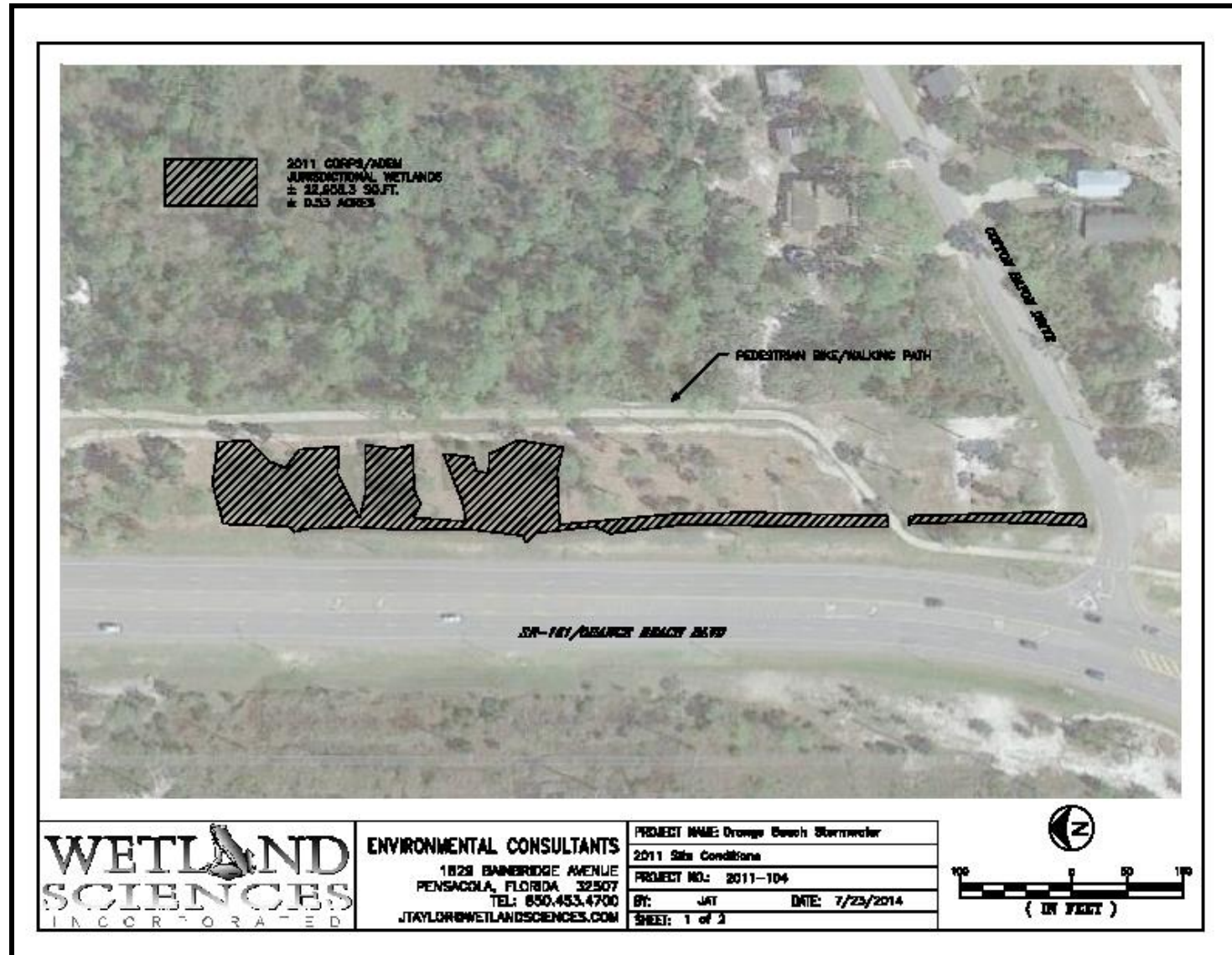




## SITE FOLLOWING ENHANCEMENT AND RESTORATION

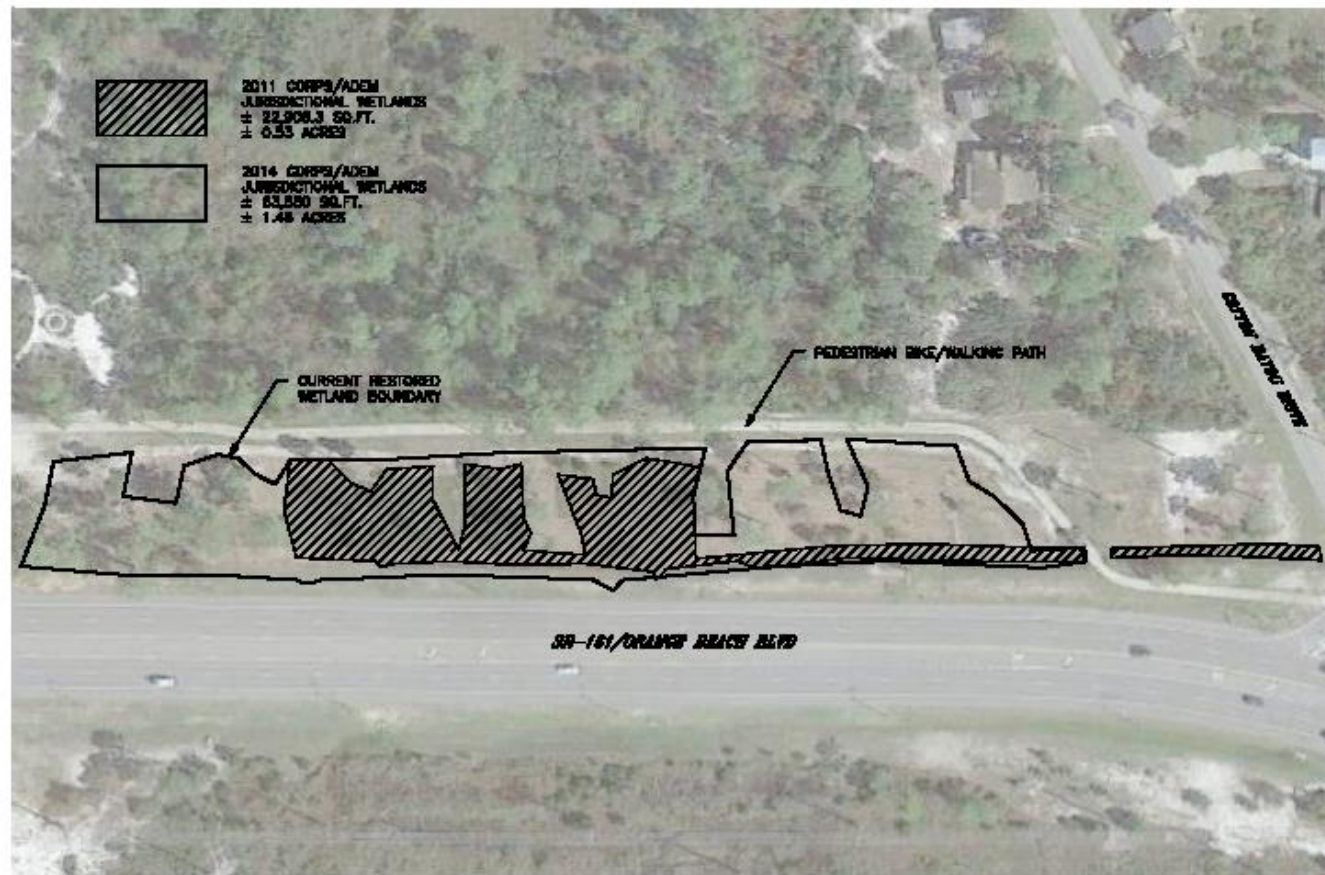


# WETLAND JURISDICTIONAL LIMITS PRIOR TO ENHANCEMENT, RESTORATION AND EXPANSION





## WETLAND JURISDICTIONAL LIMITS PRIOR TO ENHANCEMENT, RESTORATION AND EXPANSION



**WETLAND**  
**SCIENCES**  
INCORPORATED

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PROJECT NAME: Orange Beach Stormwater

2014 Site Conditions

PROJECT NO.: 2011-104

BY: JAT

DATE: 7/23/2014

SHEET: 2 of 2



