

# ANNUAL REPORT FOR 2007



**Stella Bridge Temporary Impact Site  
Carteret/Onslow Counties  
TIP No. B-2938  
CAMA permit No. 64-04**



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## **SUMMARY**

The Stella Bridge Temporary Impact Site (B-2938) is located in Carteret/Onslow Counties. This is an annual report for temporary impacts associated with the bridge replacement of Bridge No. 49 over White Oak River. The site was completed in May 2006.

The temporary impacts encompass approximately 0.05 acres. The area that was impacted is being monitored to ensure that it re-attains wetland jurisdictional status. Hydrologic monitoring is not required for this site; however, vegetation monitoring is required for three years.

After the first year of monitoring, the Stella Bridge site shows by visual observation that the temporarily impacted area is re-attaining wetland jurisdictional status.

NCDOT recommends continuing vegetation monitoring of this site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Stella Bridge Temporary Impact Site (B-2938) is located in Carteret/Onslow Counties. This is an annual report for temporary impacts associated with the bridge replacement of Bridge No. 49 over White Oak River (Figure 1).

### **1.2 Purpose**

In order for a temporarily impacted site to be considered successful, the site must re-attain wetland jurisdictional status. This report details the vegetation monitoring in 2007 at the Stella Bridge site. Hydrologic monitoring was not required for this site.

### **1.3 Project History**

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Vegetation Monitoring (1 year)

## **2.0 VEGETATION: STELLA BRIDGE TEMPORARY IMPACT SITE (YEAR 1 MONITORING)**

### **2.1 Success Criteria**

Due to the possibility that compaction, mechanized clearing, and/or other site alterations might prevent the temporary wetland impact area from re-attaining wetland jurisdictional status, the permittee shall provide an annual update on the wetland areas temporarily impacted by this project. This annual update will consist of photographs and a brief report on the progress of the temporarily impacted areas. After three years of monitoring, the permittee shall schedule a field meeting with DCM, DWQ, and WRC to determine if the temporarily impacted areas have re-attained jurisdictional wetland status. If at the end of three years the area has not re-attained jurisdictional wetland status, NC DCM and the above listed agencies shall determine whether a compensatory wetland mitigation plan will be required.

### **2.2 Description of Species**

There were no species planted for the temporary impacts. The temporarily impacted areas were left to re-vegetate naturally.

### **2.3 Results of Vegetation Monitoring**

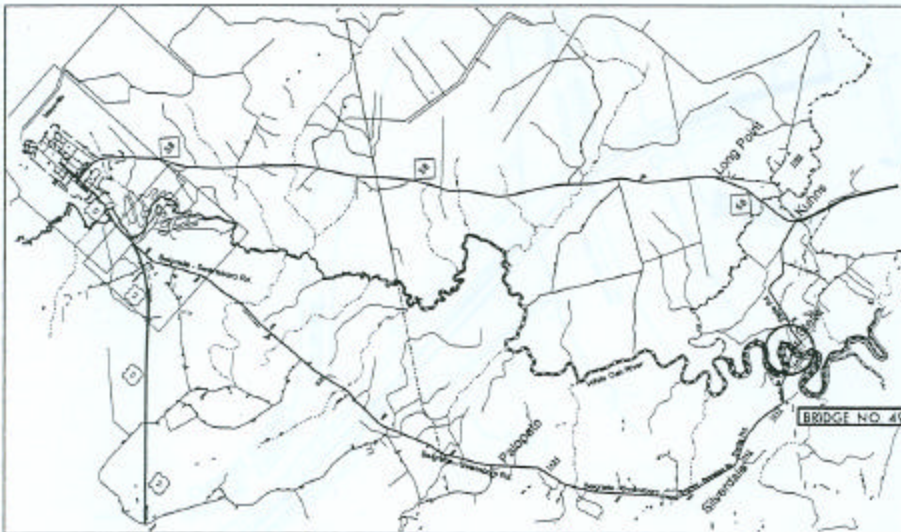
Species noted in temporary impact area are as follows: big cordgrass, *Scirpus* sp., black needle rush, saltmeadow cordgrass, baccharis, wax myrtle, cattail, sawgrass, sweetgum, fennel, bay, red maple, and various grasses.

### **2.4 Conclusions**

There were approximately 0.05 acres of temporary impacts on site. By visual observation, Stella Bridge Temporary Impact site shows that natural re-vegetation is occurring. The temporary impact areas are re-attaining jurisdictional wetland status.

## **3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

NCDOT will continue vegetation monitoring at the Stella Bridge Temporary Impact Site.



VICINITY  
MAP

**N.C.D.O.T.**  
**DIVISION OF HIGHWAYS**

CARTERET AND ONSLOW  
COUNTY

BRIDGE NO. 49 ON SR 1101  
AND SR 1442 OVER WHITE  
OAK RIVER

STATE PROJECT #8.2160801 B-2938  
SHEET 1 OF 22 05 / 31 / 01

Figure 1. Site Location Map

**APPENDIX A**

**SITE PHOTOS**

# Stella Bridge

## Temporary Impacts



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

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