

# ANNUAL REPORT FOR 2007



**Deep Creek Bridge Mitigation Site**  
**Carteret County**  
**TIP No. B-3626**  
**CAMA permit No. 153-04**



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## **SUMMARY**

The Deep Creek Bridge Mitigation Site (B-3626) is located in Carteret County. This is an annual report for temporary impacts associated with the bridge replacement of Bridge No. 26 on SR 1154 over Deep Creek. The site was completed in July 2006.

The temporary impacts encompass approximately 0.32 acres. The areas that were impacted by mechanized clearing are 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 Deep Creek Bridge site shows by visual observation that the temporarily impacted areas are re-attaining wetland jurisdictional status.

NCDOT proposes to continue vegetation monitoring of this site.

## 1.0 INTRODUCTION

### 1.1 Project Description

The Deep Creek Bridge Mitigation Site (B-3626) is located in Carteret County. This is an annual report for temporary impacts associated with bridge replacement of Bridge No. 26 on SR 1154 over Deep Creek (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 Deep Creek Bridge site. Hydrologic monitoring was not required for this site.

### 1.3 Project History

July 2006		Project Completed
July 2007		Vegetation Monitoring (1 year)

## **2.0 VEGETATION: DEEP CREEK BRIDGE 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 revegetate naturally.

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

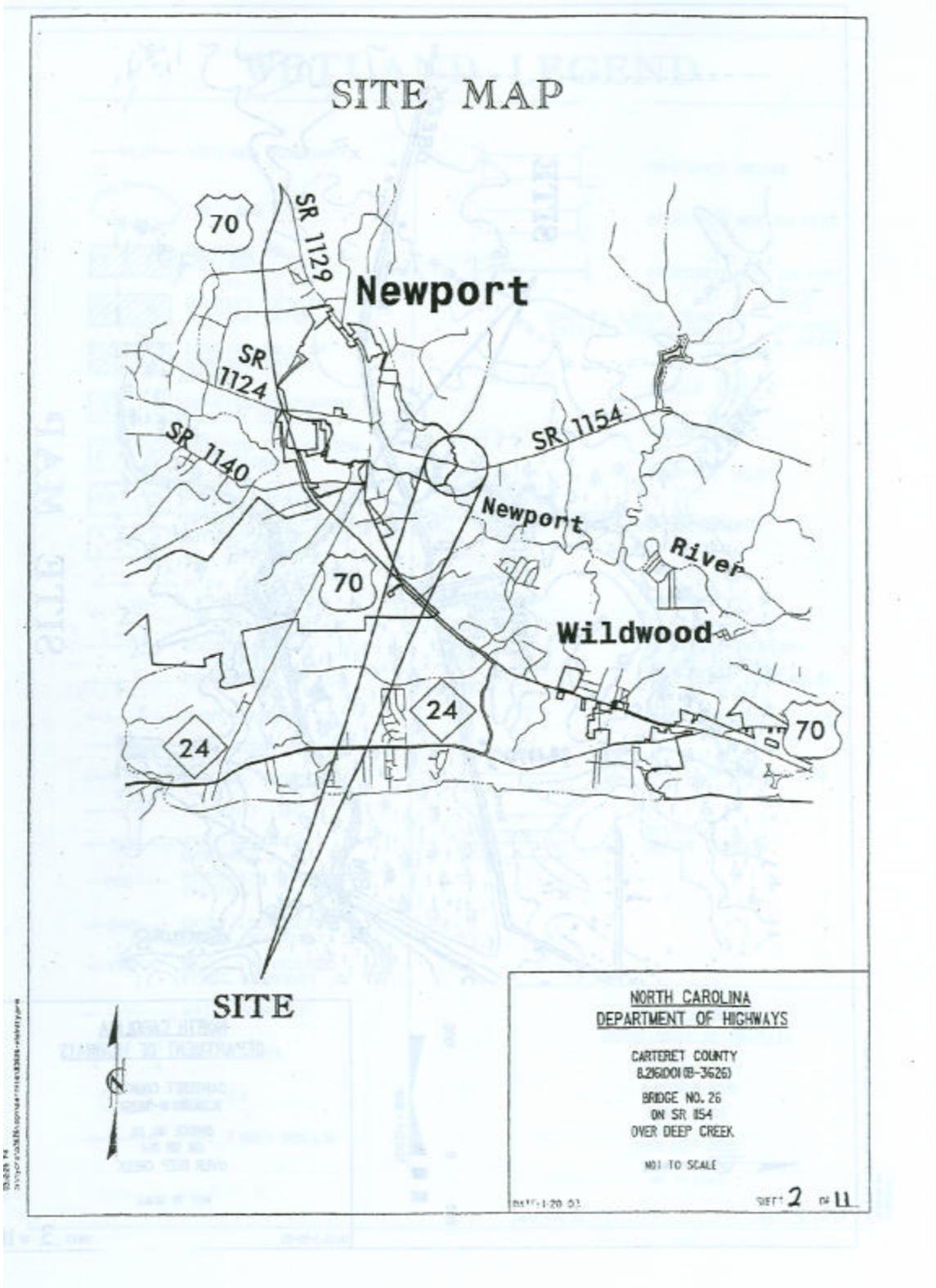
Species noted in temporary impact area are as follows: water grass, smartweed, *Sagittaria* sp., *Juncus* sp., fennel, sedge, cattails, woolgrass, queen ann's lace, alder, green ash, red maple, and various grasses.

### **2.4 Conclusions**

There were approximately 0.32 acres of temporary impacts on site. By visual observation, the Deep Creek Bridge site shows that natural re-vegetation is occurring and that the impacted areas are re-attaining jurisdictional wetland status.

## **3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

NCDOT proposes to continue vegetation monitoring at the Deep Creek Bridge Site.



**Figure 1. Site Location Map**

**APPENDIX A**

**SITE PHOTOS**

# Deep Creek Bridge



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6