

ANNUAL REPORT FOR 2016



R-3324 Site 6 Temporary Impact Site

Brunswick County

TIP No. R-3324

COE Action ID: SAW-2001-00921

DWR Project #: 12-0711

DCM#: 20120067



Prepared By:
Roadside Environmental Unit and Natural Environment Section
North Carolina Department of Transportation
September 2016

TABLE OF CONTENTS

SUMMARY	1
1.0 Introduction	2
.1 Project Description	2
.2 Purpose	2
.3 Project History	2
.4 Debit Ledger.....	2
2.0 Vegetation:	4
.1 Success Criteria	4
.2 Description of Species.....	4
.3 Results of Vegetation Monitoring	5
.4 Conclusions.	5
3.0 Overall Conclusions and Recommendations	5

FIGURES

Figure 1 – Vicinity Map.....	3
Figure 2 – Email.....	6

APPENDICES

Appendix A – Site Photos and Site Map

SUMMARY

The R-3324 Site 6 Temporary Impact Site is located in Brunswick County. This is an annual report for temporary impacts associated with the NC 133 Connector from NC 211 to NC 87. The temporary impact site was planted in March 2016.

The temporary impacts encompass approximately 0.106 acres (see Figure 2: email from Resident's office to regulatory agencies about reduction in wetland reforestation due to a smaller disturbed area at Permitted Site 6). The area that was impacted is being monitored to ensure that it re-attains jurisdictional wetland status. Hydrologic monitoring is not required for this site; however, vegetation monitoring is required for three years.

After the first year of monitoring, the R-3324 Site 6 Temporary Impact Site shows by visual observation that the temporarily impacted area is re-attaining jurisdictional wetland status.

NCDOT proposes to continue vegetation monitoring at the R-3324 Site 6 Temporary Impact Site in 2017.

1.0 INTRODUCTION

1.1 Project Description

The R-3324 Site 6 Temporary Impact Site is located in Brunswick County on the NC 133 Connector (Figure 1). The temporary impacts encompass approximately 0.106 acres. The area that was impacted is being monitored to ensure that it re-attains jurisdictional wetland status. Hydrologic monitoring is not required for this site; however, vegetation monitoring is required for three years.

1.2 Purpose

In order for a temporary impact site to be considered successful, a site must meet vegetation success criteria. This report details the vegetation monitoring in 2016 at the R-3324 Site 6 Temporary Impact Site. Hydrologic monitoring was not required for the site.

1.3 Project History

March 2016	Wetland Reforestation Completed
August 2016	Vegetation Monitoring (Year 1)

1.4 Debit Ledger

The restoration of the Site 6 temporary impacts site was used entirely to compensate for the temporary impacts on the R-3324 project. There were no wetland mitigation credits generated from the restoration of the impacted area.

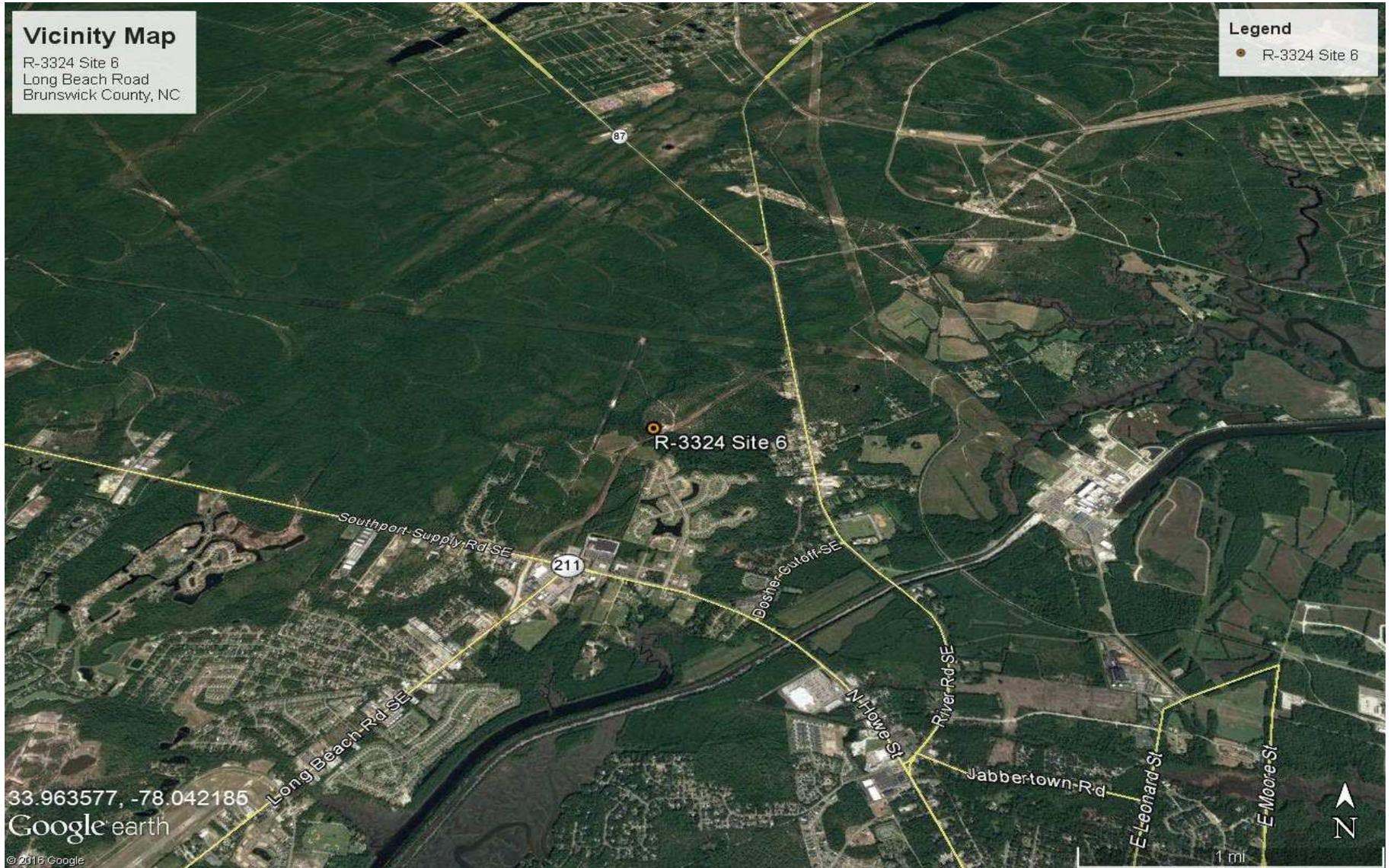


Figure 1. Vicinity Map

2.0 VEGETATION: R-3324 SITE 6 TEMPORARY IMPACT SITE (YEAR 1 MONITORING)

2.1 Success Criteria

USACE Condition #5A

Due to the possibility that compaction, mechanized clearing and/or other site alterations resulting from the authorized temporary fill that might prevent the wetland area at Site #6 from re-attaining pre-project wetland functions, the permittee shall monitor temporary wetland impacts for three years after project completion. The permittee shall first schedule a meeting with the USACE and NCDWR to verify the extent and location of temporary impacts upon project completion. The permittee shall provide an annual update for 3 years on this wetland area impacted by this project. This annual update shall consist of photographs and written report on progress of this impacted area in re-attaining wetland jurisdictional status. Three years after project completion, the permittee shall schedule an agency field meeting with USACE and NCDWR to determine if the wetland area impacted by the project has not re-attained pre-project wetland functions, USACE and NCDWR shall determine whether compensatory wetland mitigation shall be required.

NCDWR Condition #13

Due to the possibility that compaction and/or other site alterations might prevent the temporary wetland impact area from re-attaining jurisdictional wetland status; the permittee shall provide an update on the wetland areas temporarily impacted Site 6. This update shall be conducted a minimum of two growing seasons after completion of the work at Site 6 and shall consist of photographs and a brief report on the progress of the areas in re-attaining wetland jurisdictional status. Upon submission of this update to NCDWR, the permittee shall schedule an agency field meeting with NCDWR to determine if the wetland areas temporarily impacted by this project have re-attained jurisdictional wetland status. If the wetland areas temporarily impacted by this project have not re-attained jurisdictional wetland status, NCDWR shall determine if compensatory wetland mitigation is required.

2.2 Description of Species

The following wetland species were planted in the temporary impact areas:

Taxodium distichum, Baldcypress

Platanus occidentalis, American Sycamore

Quercus lyrata, Overcup Oak

Nyssa aquatica, Water Tupelo

2.3 Results of Vegetation Monitoring

The impacted area where the temporary impacts occurred is re-attaining wetland jurisdictional status and the hardwood trees are surviving. Other species noted within the temporary impacted areas included phragmites, *Juncus* sp., fennel, cattail, bay, and woolgrass.

2.4 Conclusions

There were approximately 0.106 acres of temporary impacts. There were no plots established on the site. By visual observation, the R-3324 Site 6 Temporary Impact Site shows that the planted species are surviving and the impacted areas are re-attaining jurisdictional wetland status.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT proposes to continue vegetation monitoring at the R-3324 Site 6 Temporary Impact Site in 2017.

Green, Matthew L

From: Byrd, David A
Sent: Monday, February 22, 2016 3:06 PM
To: Herndon, Mason; Shaver, Brad E SAW (Brad.E.Shaver@usace.army.mil)
Cc: Mathis, Stonewall D; Green, Matthew L; Jackson, John K; Stewart, Alex D; Currie, Wayne; Hall, Bobby D; Yarborough, Jerry W; dbyrd1960@atl.net
Subject: Wetland Reforestation (Site VI Channel Relocation R-3324)

All,
The conversation came up at the last monthly construction meeting for the above mentioned project, about deleting the Wetland Reforestation Item due to the reduced amount that would be required. Because the impacts at Dutchman Creek were reduced, the Wetland Reforestation quantity of 5.5 acres was reduced to .106 acres. A large portion of the existing flood plain area surrounding the creek was not disturbed.
The RE Office has contacted the appropriate permitting agencies and received approval to allow the Division Environmental Unit to perform the work, along with coordination from Wetland Vegetation Unit in Raleigh. Planting should be completed before the end of the Seasonal Limitation date of March 15, if possible. Monitoring of the reforestation shall be performed by the Environmental Unit.
The RE office will be contacted prior to the planting, so that field inspectors can be available if necessary.
Any comments or concerns, contact the RE Office at: 910-251-2691.
DB

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.

Note: typo in email (5.5 acres should be 0.55 acres)

Figure 2.

APPENDIX A

SITE PHOTOS & SITE MAP

R-3324 Site 6 Temporary Impact Site



Photo 1



Photo 2



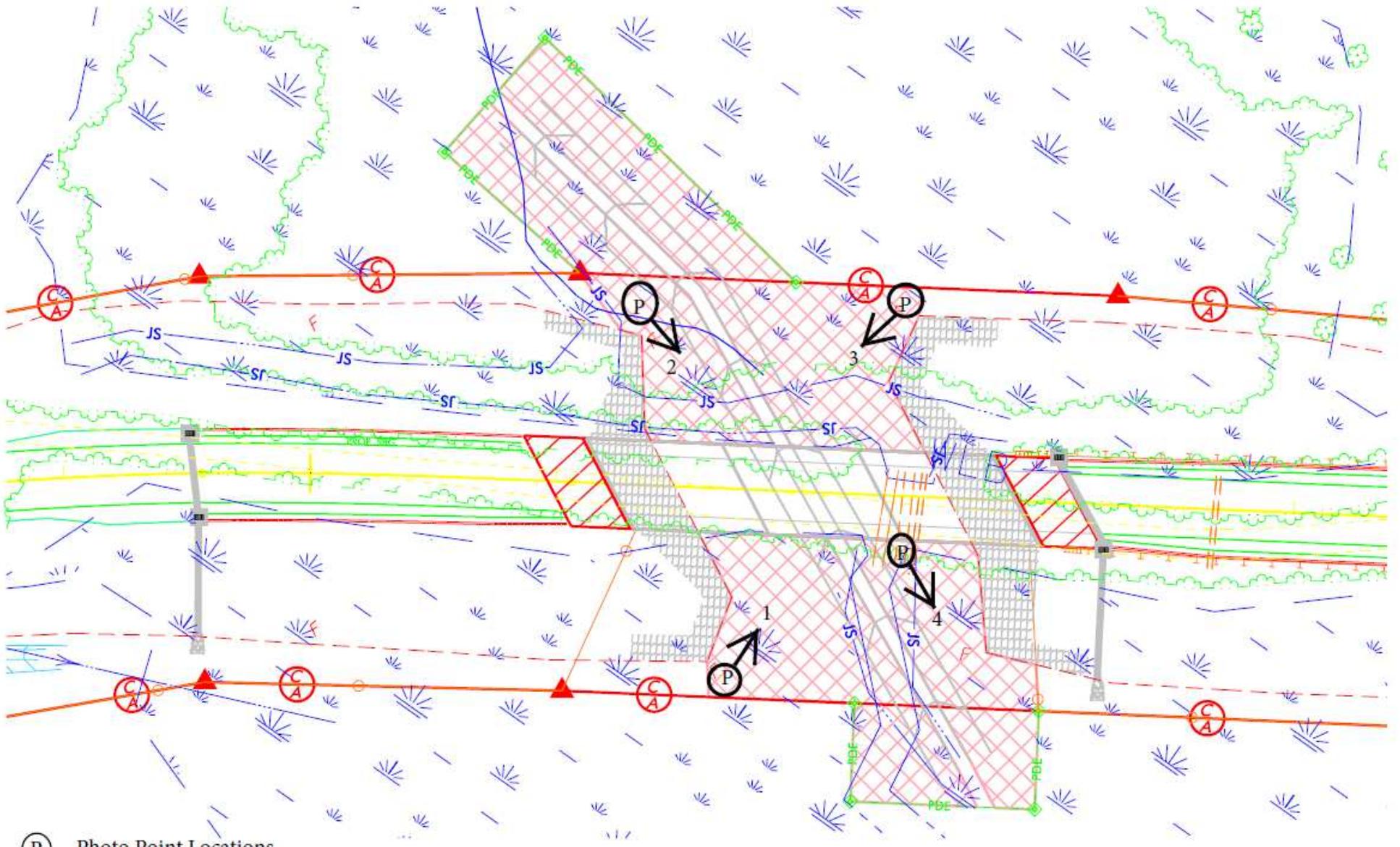
Photo 3



Photo 4

August 2016

Note: Wetland reforestation was reduced from 0.55 acres to 0.106 acres. See attached email (Figure 1) from Resident's office to regulatory agencies dated February 22, 2016.



(P) Photo Point Locations