

Attachment 18 – Wetland Delineation Summary

Natchitoches Parish Port
NorthPort Tract



INTRODUCTION

Eagle Environmental Services, Inc. retained T. Baker Smith, Inc. (TBS) to provide the following wetland delineation for the Natchitoches Parish Port Commission's proposed expansion in Natchitoches Parish within the State of Louisiana. The wetland delineation is in support of the Natchitoches Parish Port Commission's permitting efforts to obtain the regulatory authorizations from the U.S. Army Corps of Engineers for this expansion. The proposed expansion area is located approximately five miles north of the City of Natchitoches between U.S. Highway 71 and Louisiana Highway 486 and can be accessed from Louisiana Highway 486 in Natchitoches Parish. The total project area is approximately 377.36 acres. Wetlands delineated within the study area totaled 19.89 acres. Refer to the delineation map in **Appendix C** for details.

METHODS

On December 9, 2009, TBS biologists conducted a wetland delineation of the project area. The delineation method described in the *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region* was used in determining and delineating wetlands within the project area. Preliminary data on soils was taken from the *Soil Survey of Natchitoches Parish in Louisiana* (Web Soil Survey Data), and from the list of hydric soils for Louisiana. The vegetative indicator status was determined using the *National List of Vascular Plants that Occur in Wetlands: 1996 National Summary* (USFWS 1996).

Three observation points were collected throughout the delineation within the project area. At each observation point a soil pit was dug to at least 16 inches and the soil profile samples were examined and photographed. Data collected on the soils, hydrology and vegetation were recorded on U.S. Army Corps of Engineers Wetland Determination Data Forms for the Atlantic and Gulf Coastal Plain Region. Positioning in the field was attained through the use of a Trimble™ Differential Global Positioning System (DGPS) and Terrasync™ software to collect data observations. All collected positions from observation points and wetland boundaries were input into AutoCAD™ 2008, where the attached maps were created.

RESULTS AND DISCUSSION

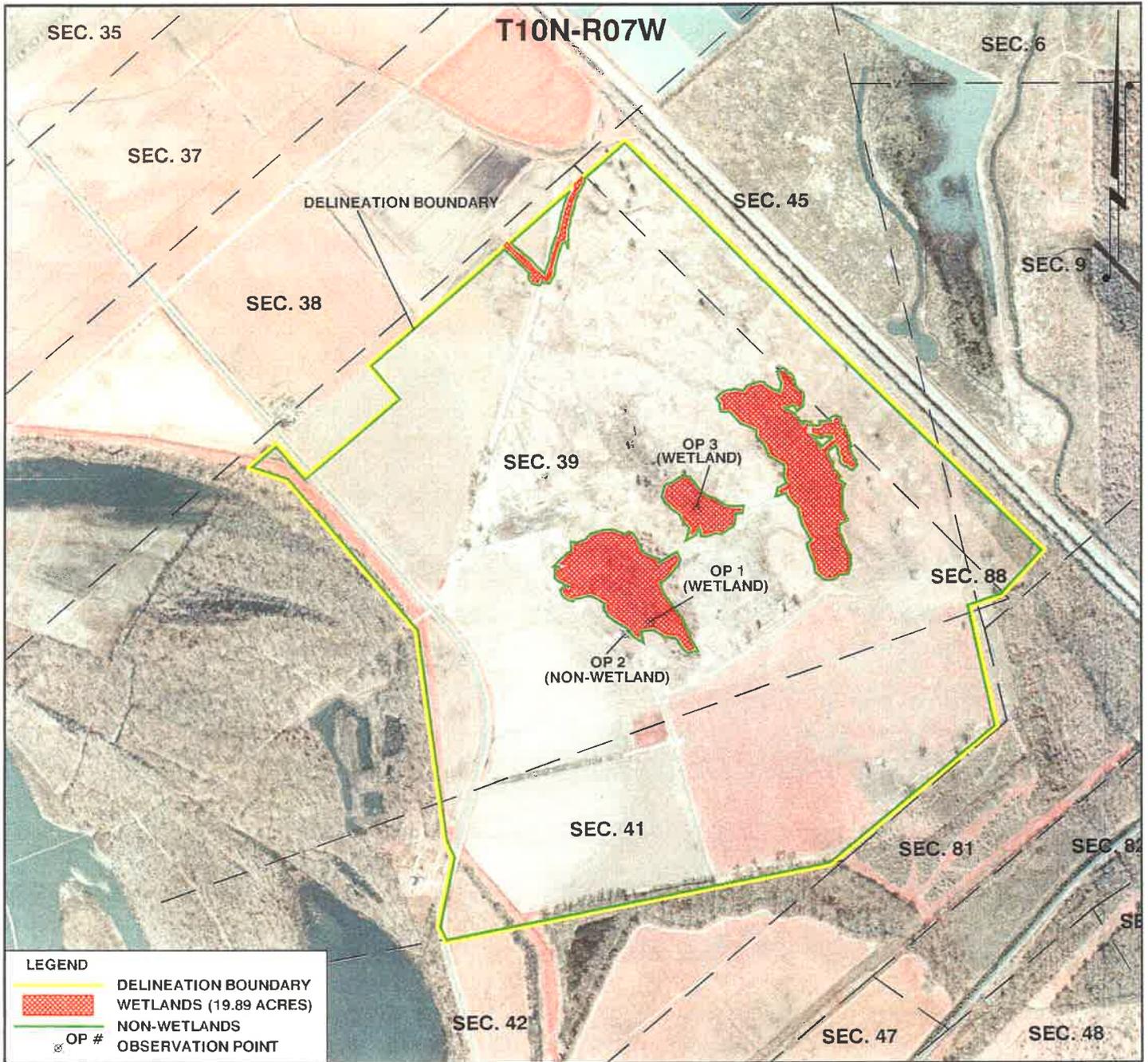
The delineated area is described below by observation points. Plant communities, hydrology and soils for each of the three observation points are discussed in detail.

CONCLUSION

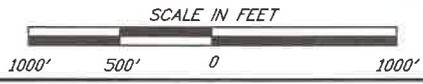
On behalf of our client, Eagle Environmental Services, Inc., TBS Environmental Professionals delineated approximately 377.36 acres in support of the Natchitoches Parish Port Commission's proposed expansion in Natchitoches Parish, Louisiana. Wetlands were determined and delineated separately from non-wetlands in the study area. A total of 19.89 acres of wetlands were delineated within the study area. The delineated wetlands are identified in **Appendix C**. It should be noted that this report is the professional opinion of TBS biologists, and that the U. S. Army Corps of Engineers has final authority over jurisdictional wetland determinations.

APPENDIX C

**WETLAND DELINEATION MAP
Wetland Delineation
Natchitoches Parish Port Commission's Proposed Expansion
Eagle Environmental Services, Inc.
Natchitoches Parish, Louisiana**



LEGEND	
	DELINEATION BOUNDARY
	WETLANDS (19.89 ACRES)
	NON-WETLANDS
	OP #
	OBSERVATION POINT



AREA MAP

GEODETIC DATUM: NAD27
 PROJECTION: LOUISIANA NORTH
 GRID UNIT: US SURVEY FEET

EAGLE ENVIRONMENTAL SERVICES, INC.

WETLAND DELINEATION FOR THE
 NATCHITOCHES PARISH PORT COMMISSION'S PROPOSED EXPANSION
 T10N-R07W
 NATCHITOCHES PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:



DRAWN BY:	AZB	SHEET	2	OF	3
APPROVED BY:	JBB	DRAWING NAME:	090802_WD2.DWG		
SCALE:	1" = 1000'	JOB NUMBER:	2009.0802		
DATE:	12/15/09	MAP NUMBER:			