COASTWIDE

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Project Number	Project Proposals
CW-01	Coastwide Competitive Voluntary Canal Backfilling
CW-02	Coastwide Floating Marsh Restoration

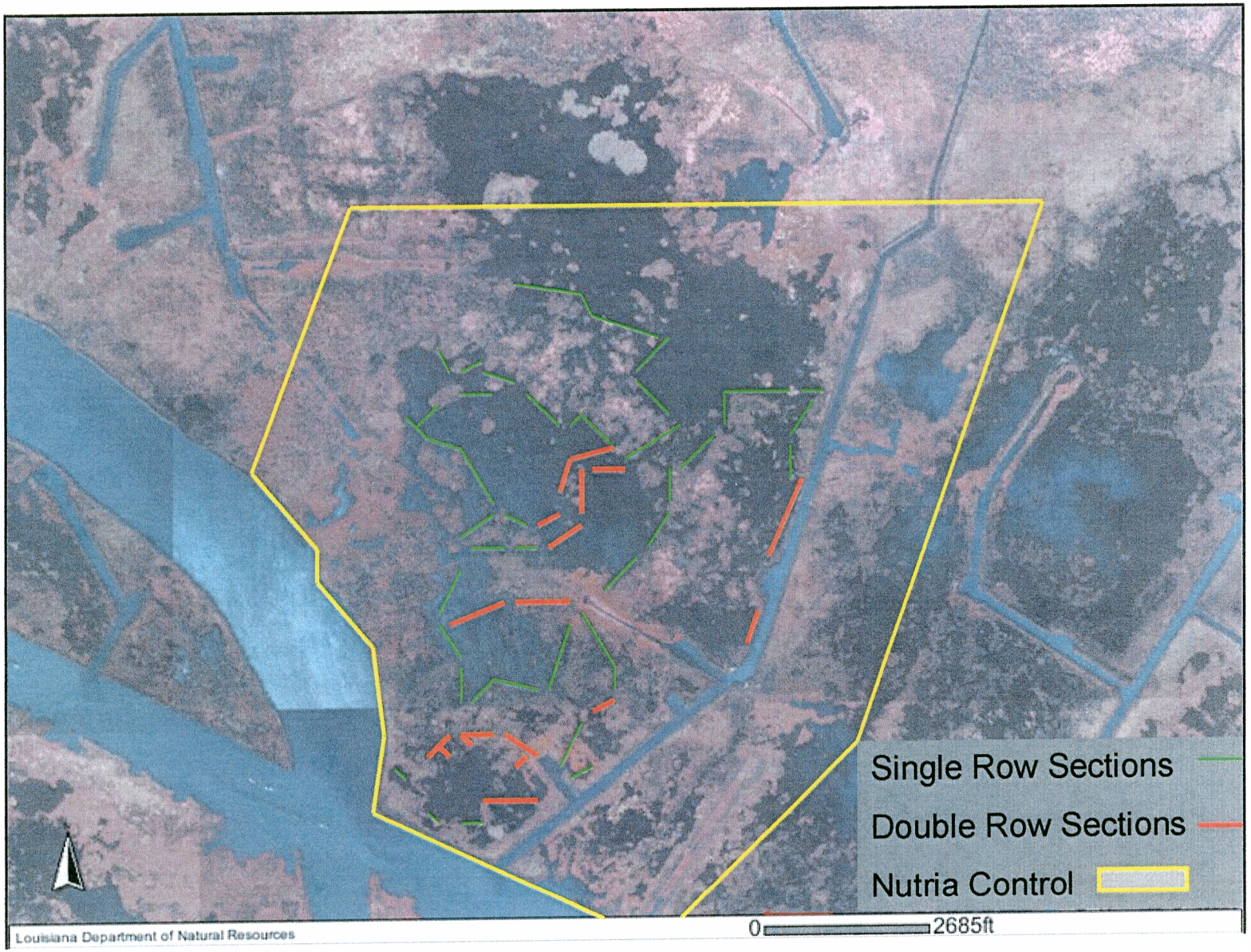
CW-01

Coastwide Competitive Voluntary Canal Backfilling

CW-02

Coastwide Floating Marsh Restoration

LAKE HACKBERRY NORTHEAST FLOATING MARSH RESTORATION



PPL 22
Regional Planning Team
January 26, 2012

Region 2
Barataria Basin

Coastwide Floating Marsh Restoration

MONITORING AND COMPREHENSIVE FINAL PROJECT REPORT
2004-2009

FLOATING MARSH CREATION DEMONSTRATION PROJECT (LA-05)

Submitted to:
Office of Coastal Protection and Restoration

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Submitted by:
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Baton Rouge, LA 70894-5071

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School of Plant, Environmental and Soil Science

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[4]UNO Department of Biological Sciences
[5]ULL Department of Biology

December, 2010

June 2006

September 2006

May 2007

LA-05

October 2007

July 2008

May 2009

June 2006

September 2006

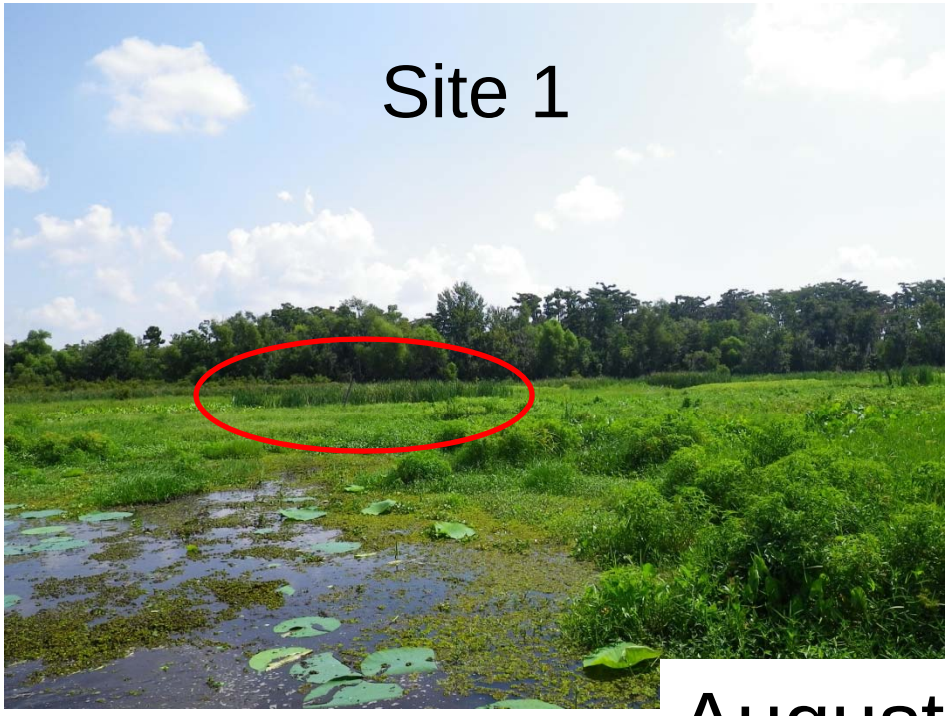
May 2007

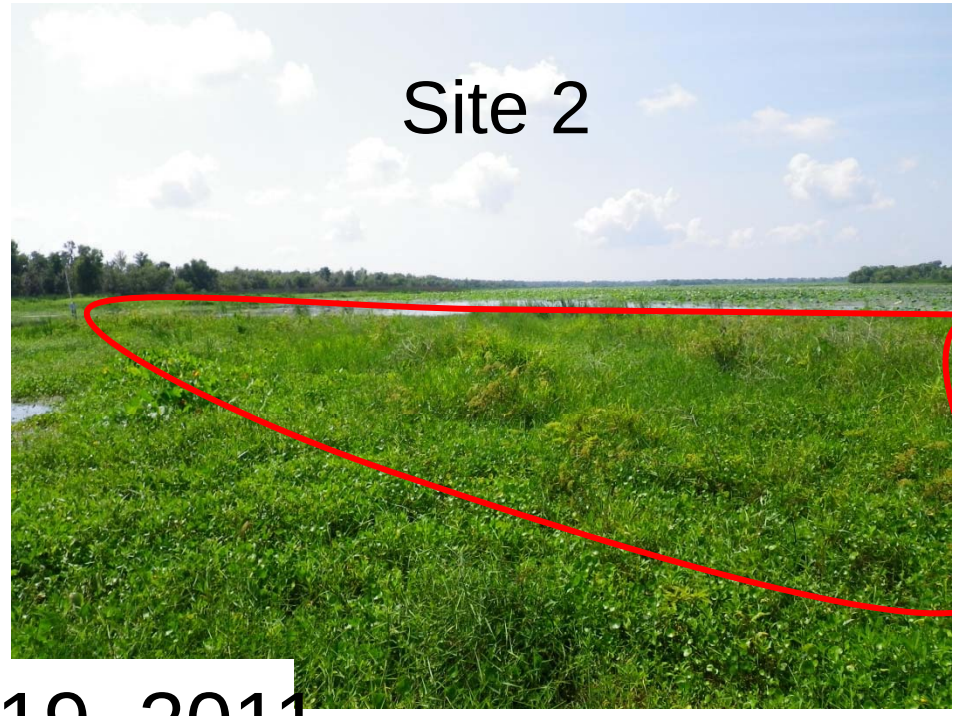
LA-05

October 2007

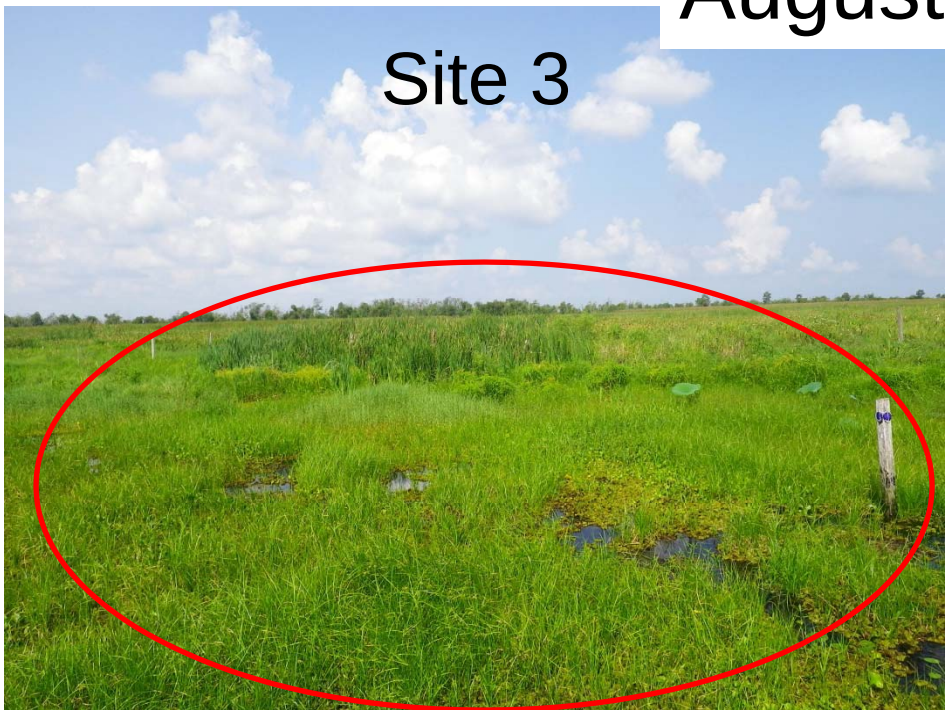
July 2008

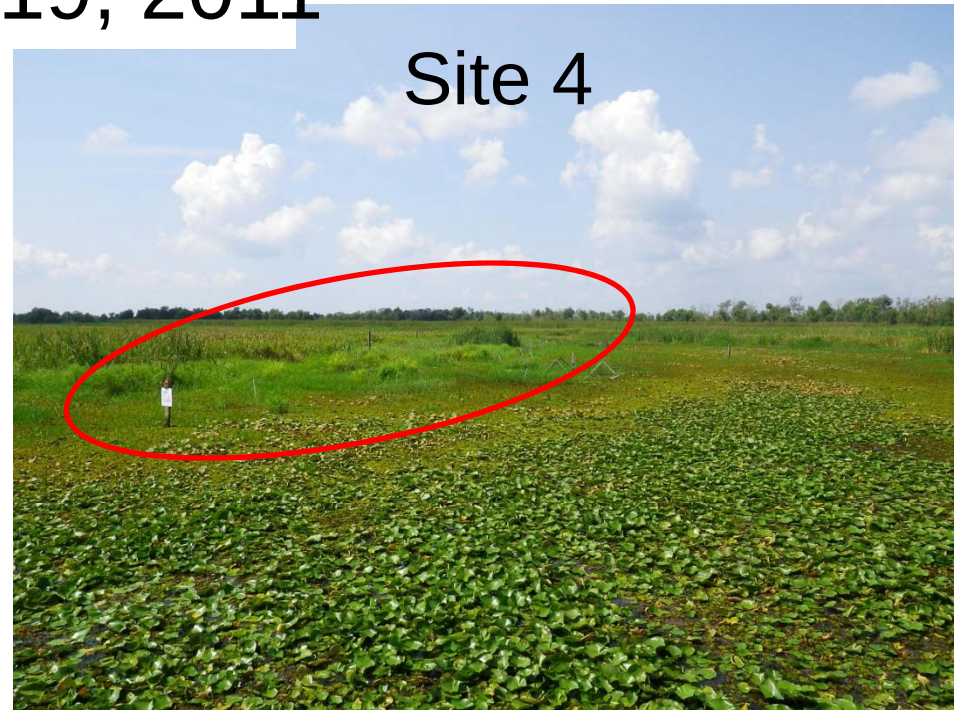
May 2009





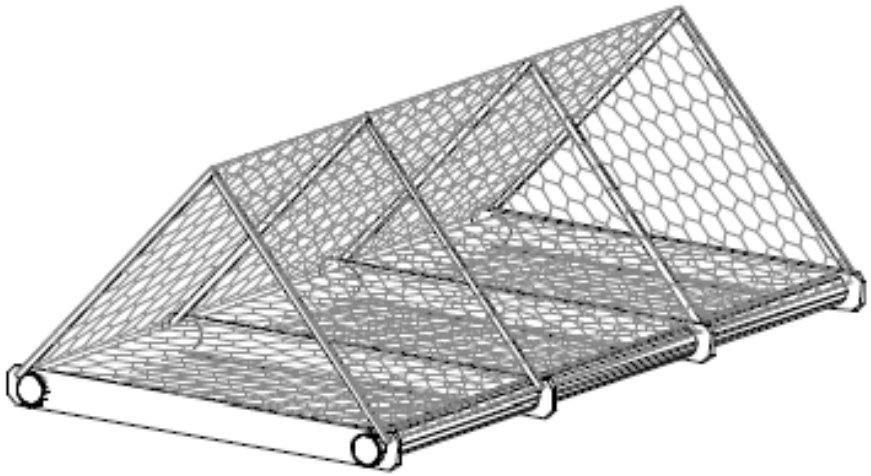
August 19, 2011

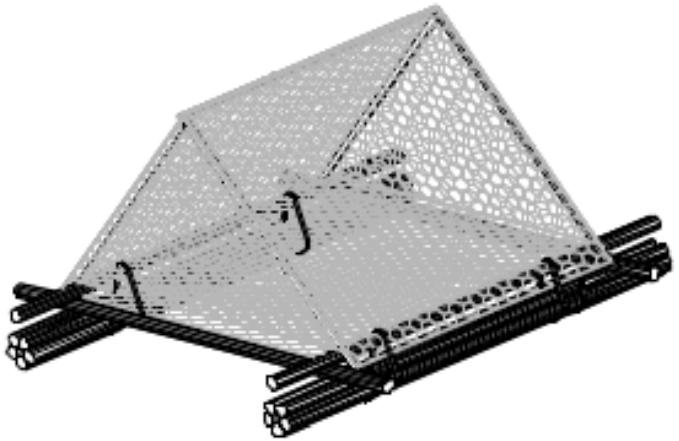




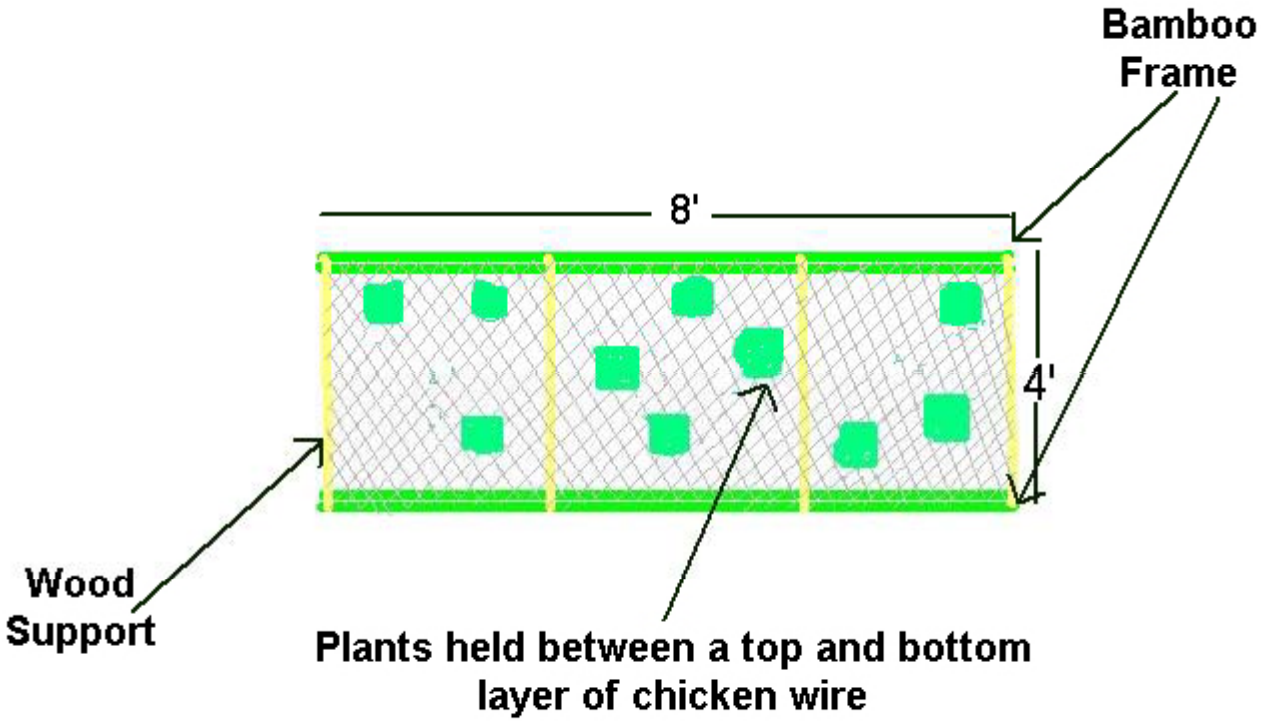
LA-05

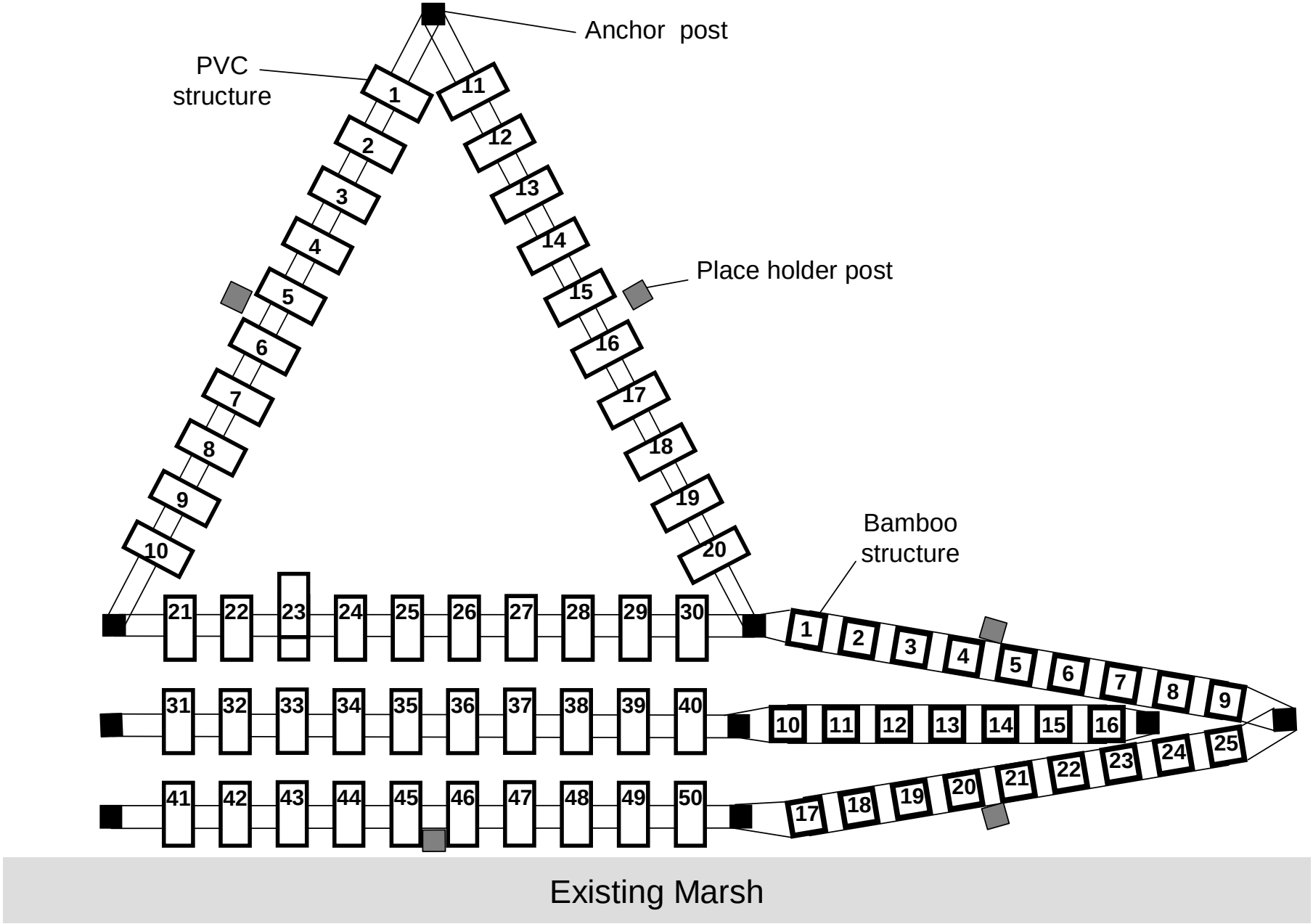
Floating Marsh Demo Project

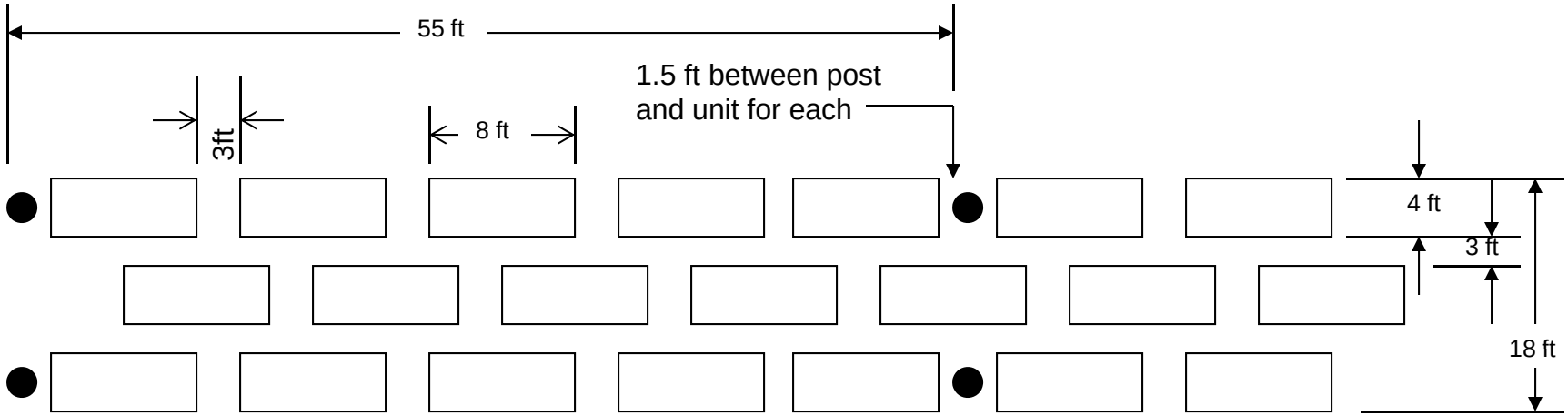




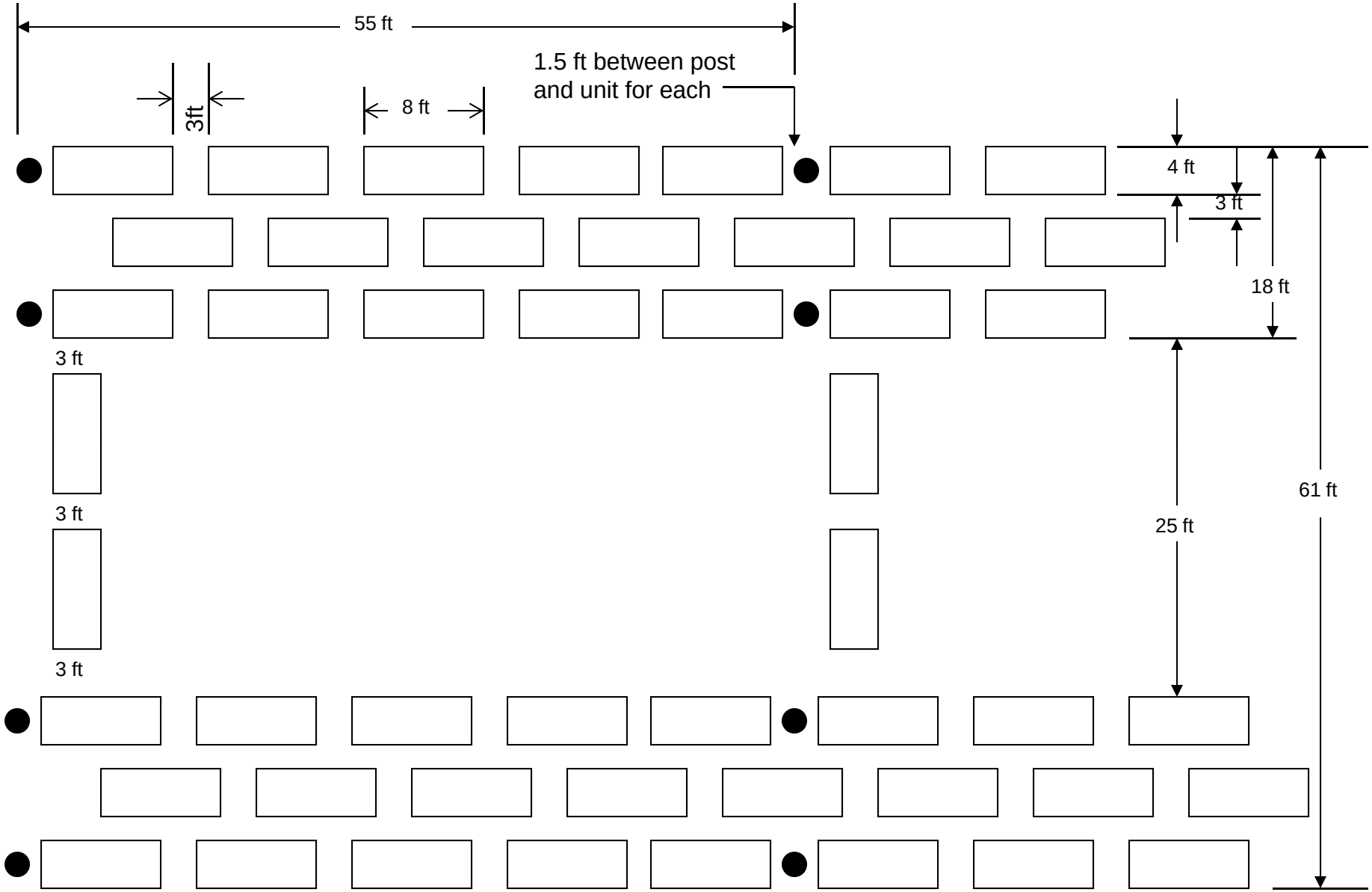
FLOATING MAT UNIT




Anchor post
PVC structure
Place holder post
Bamboo structure
Existing Marsh



Single Row Floating Mat Section (55 ft X 18 ft)



Double Row Floating Mat Section (55 ft X 61 ft)

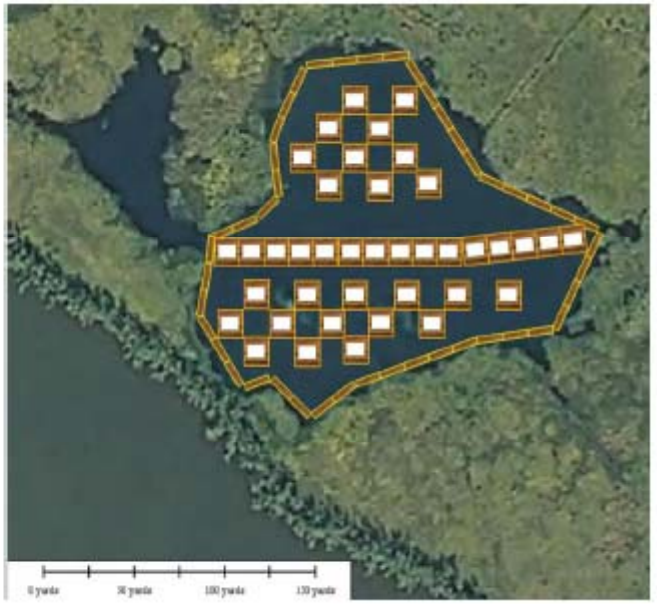
Example layout from LA-05 Final Report (Sasser, et. al, 2010)

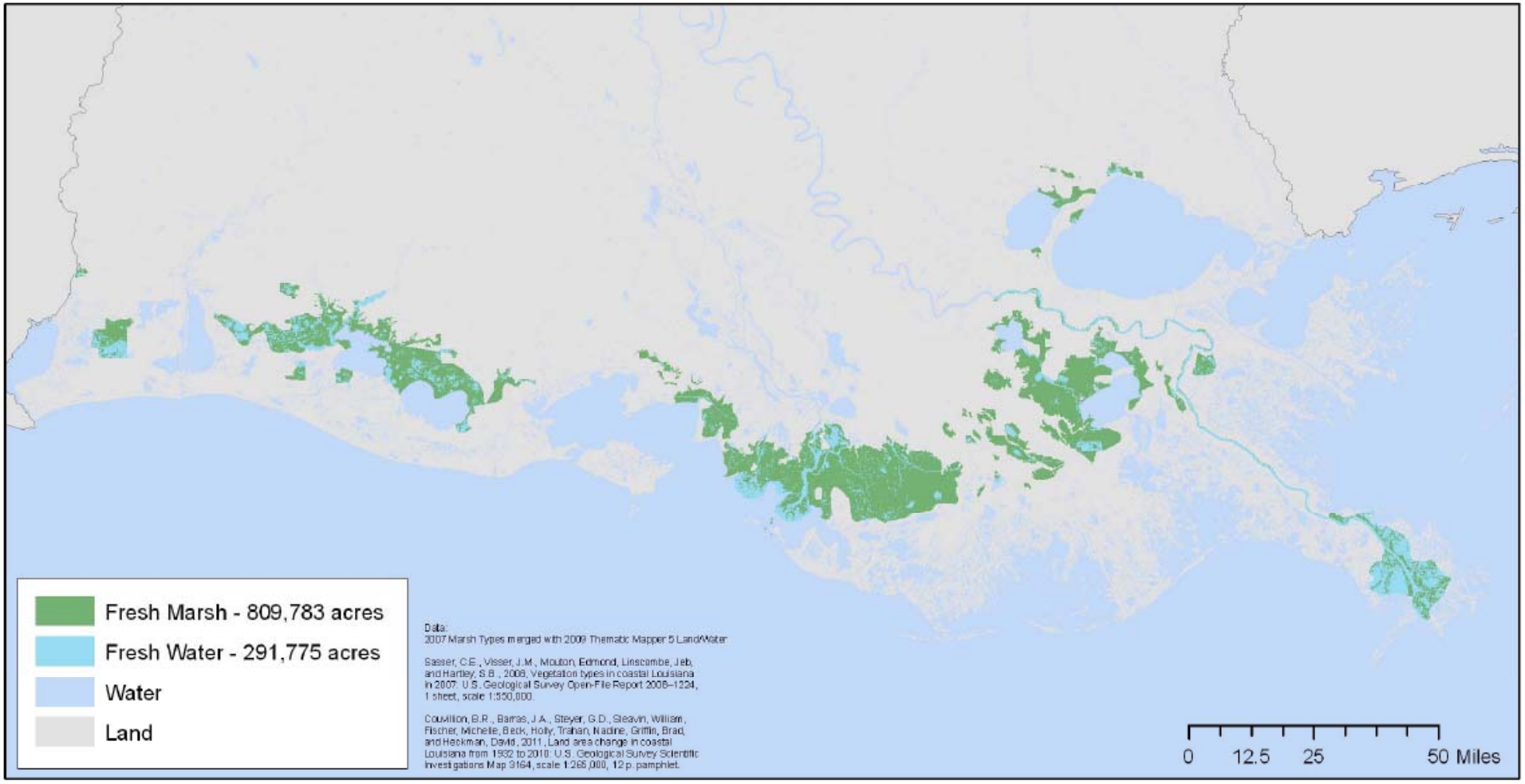
a.

b.

c.

d.




Fresh Marsh - 809,783 acres
Fresh Water - 291,775 acres
Water
Land
Data:
2007 Marsh Types merged with 2009 Thematic Mapper 5 Land/Water
Sasser, C.E., Visser, J.M., Mouton, Edmond, Linscombe, Jeb, and Hartley, S.B., 2008, Vegetation types in coastal Louisiana in 2007: U.S. Geological Survey Open-File Report 2008–1224, 1 sheet, scale 1:550,000.
Couvillion, B.R., Barras, J.A., Steyer, G.D., Sleavin, William, Fischer, Michelle, Beck, Holly, Trahan, Nadine, Griffin, Brad, and Heckman, David, 2011, Land area change in coastal Louisiana from 1932 to 2010: U.S. Geological Survey Scientific Investigations Map 3164, scale 1:265,000, 12 p. pamphlet.
0
12.5
25
50 Miles

COASTWIDE FLOATING MARSH RESTORATION

Build on lessons learned in CWPPRA Demo Project (LA-05

Installations in Years 1, 3, 5, 7, 9

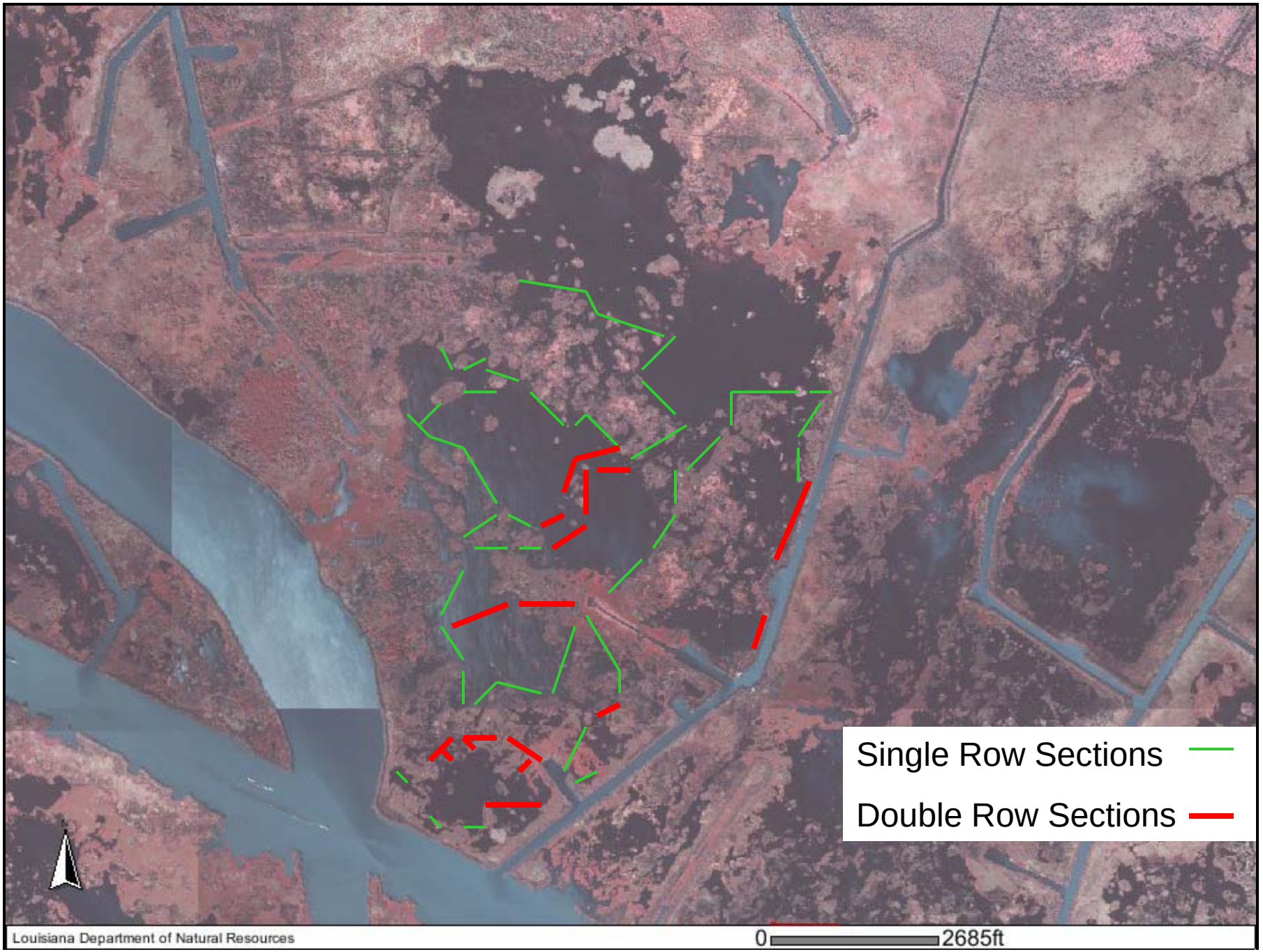
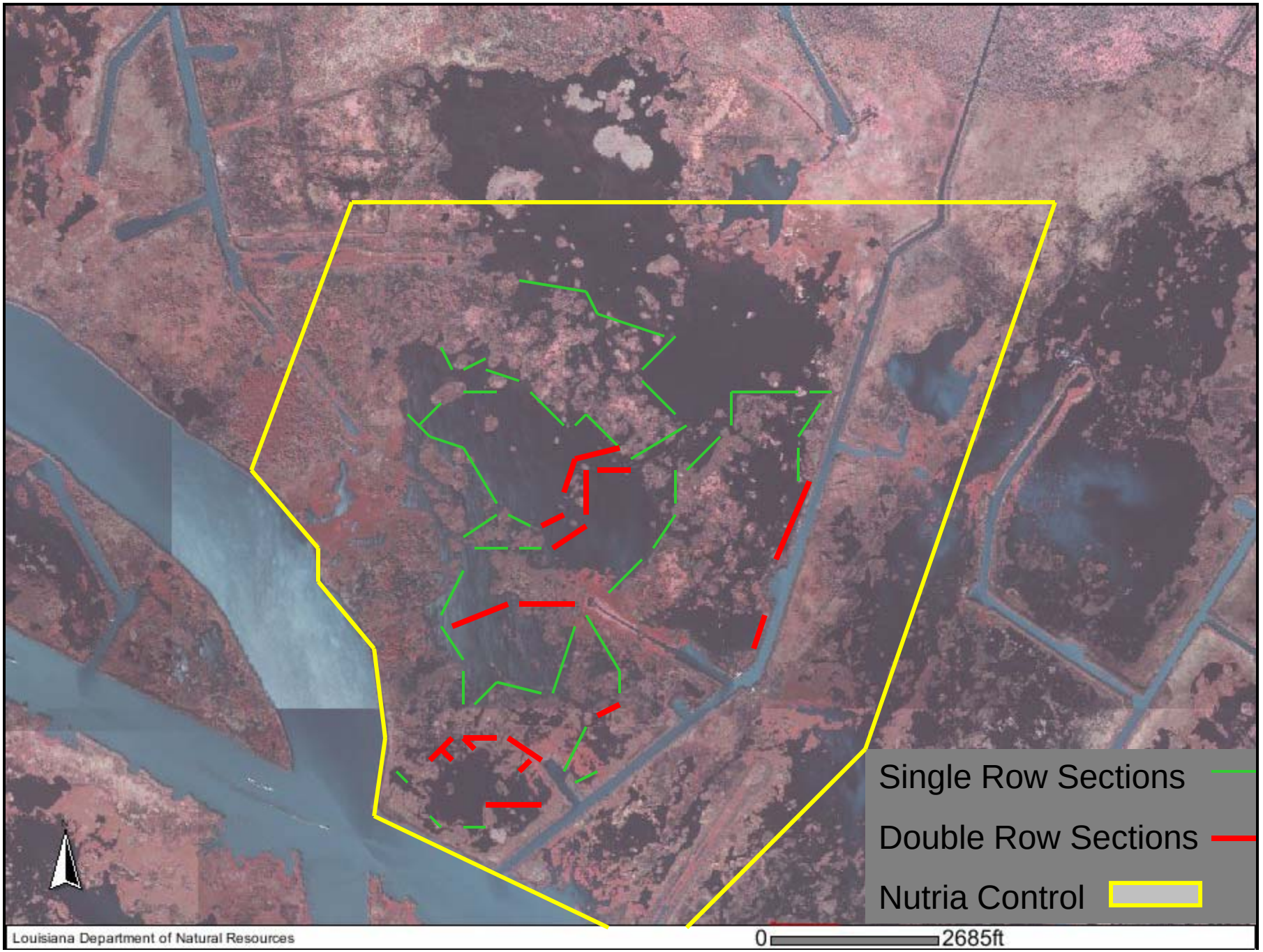
Install approximately 14,000 units in each of those years, some single row, some double row, plus additional incentive for nutria control

$3.2M / installation X 5 installations = $16M

Year 1 = Lake Hackberry Northeast

Selection Process similar to LA-39 for subsequent years.

LAKE HACKBERRY NORTHEAST FLOATING MARSH RESTORATION



LAKE HACKBERRY NORTHEAST FLOATING MARSH RESTORATION