



Figure 1. Project Site Location

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

- Project Area
- Site Boundary



wood.

Job No. Z812190102
Drawn By JJS
Reviewed By
Date 7/6/2012

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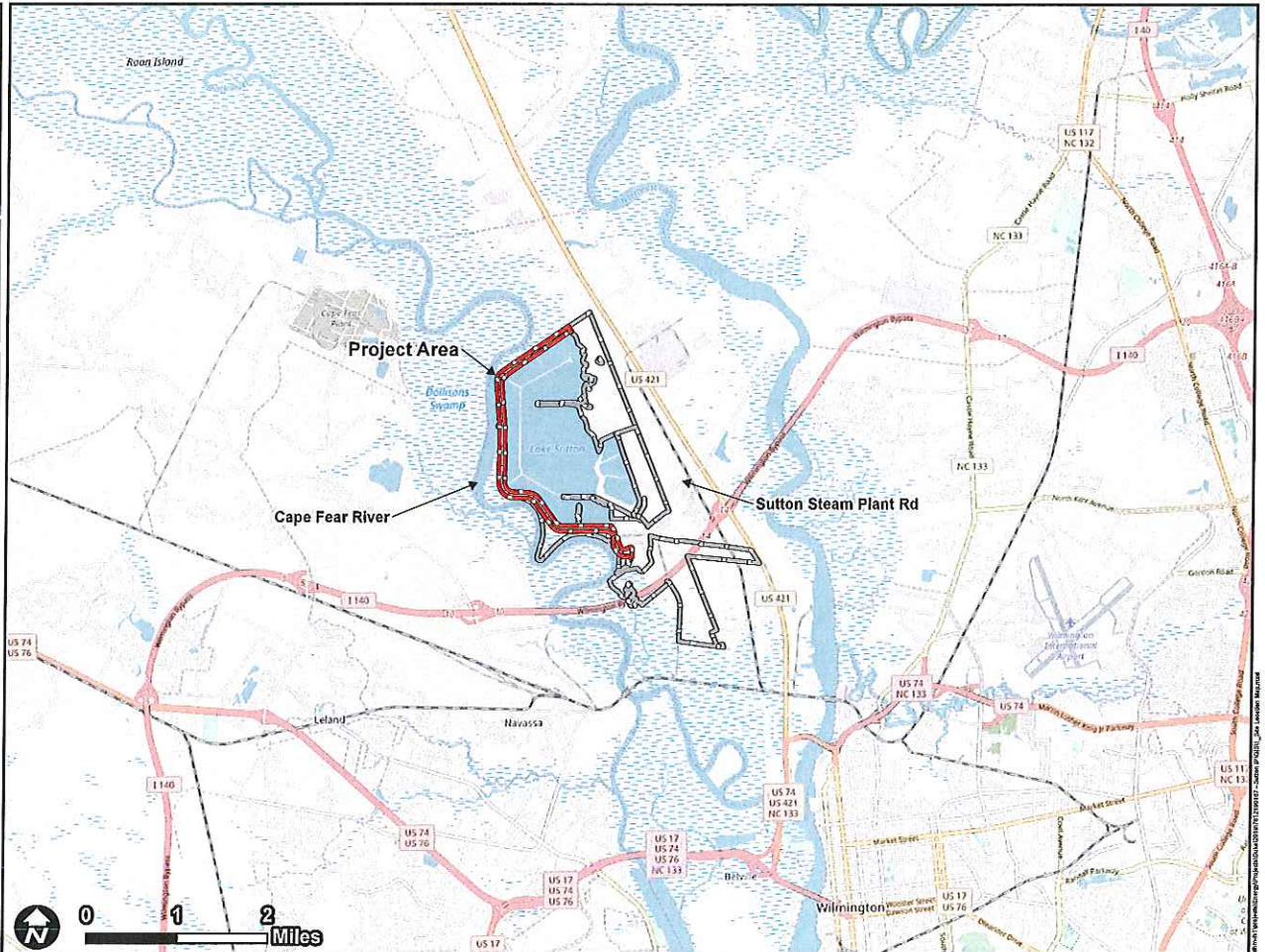




Figure 4, NRCS Soils Map
 L.V. Sutton Energy Complex
 Sutton Lake Dam Rearrangement
 and Vegetation Removal Project
 New Hanover County, NC

Legend

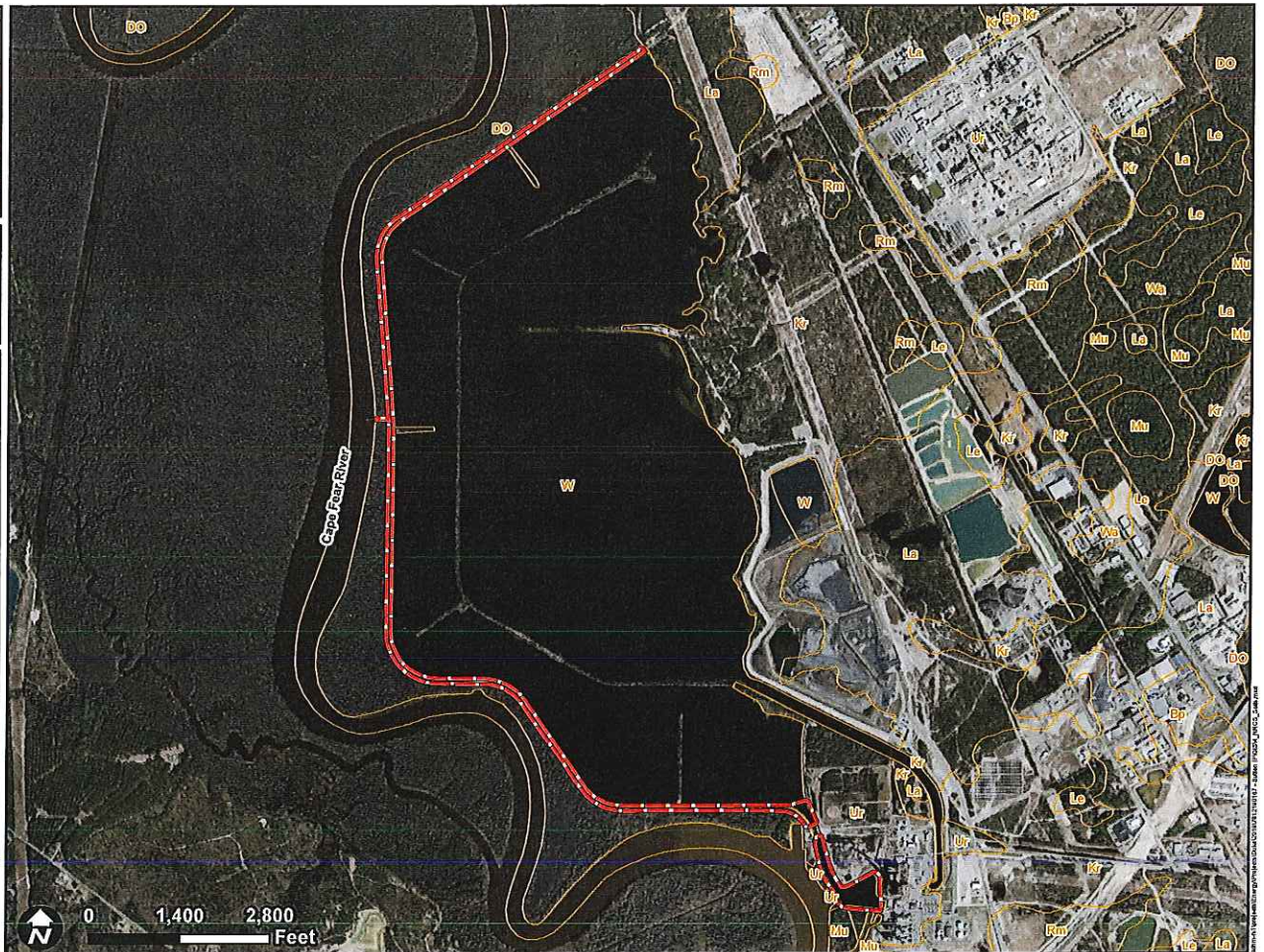
- Project Area
- Soils



wood.

Job No. 7812120157
 Drawn By JAU
 Reviewed By
 Date 7/9/2012

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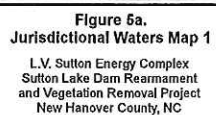


Figure 5a.
Jurisdictional Waters Map 1
L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

 Project Area
 Wetlands



Job No. 7812193197
Drawn By JAH
Reviewed By --
Date 6/27/2019

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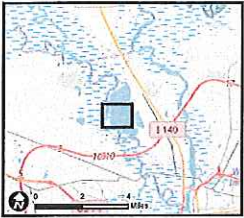


Figure 5b.
Jurisdictional Waters Map 2
 L.V. Sutton Energy Complex
 Sutton Lake Dam Rearmament
 and Vegetation Removal Project
 New Hanover County, NC

Legend

-  Project Area
-  Wetlands



Job No. 781210167
 Drawn By: JAH
 Revised By:
 Date: 6/21/2018

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Figure 5c.
Jurisdictional Waters Map 3
L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

- Legend**
- Project Area
 - Wetlands
 - Ash Basin



Job No. 7812100167
Drawn By: JGS
Reviewed By:
Date: 6/27/2018

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, SIO, Mapbox

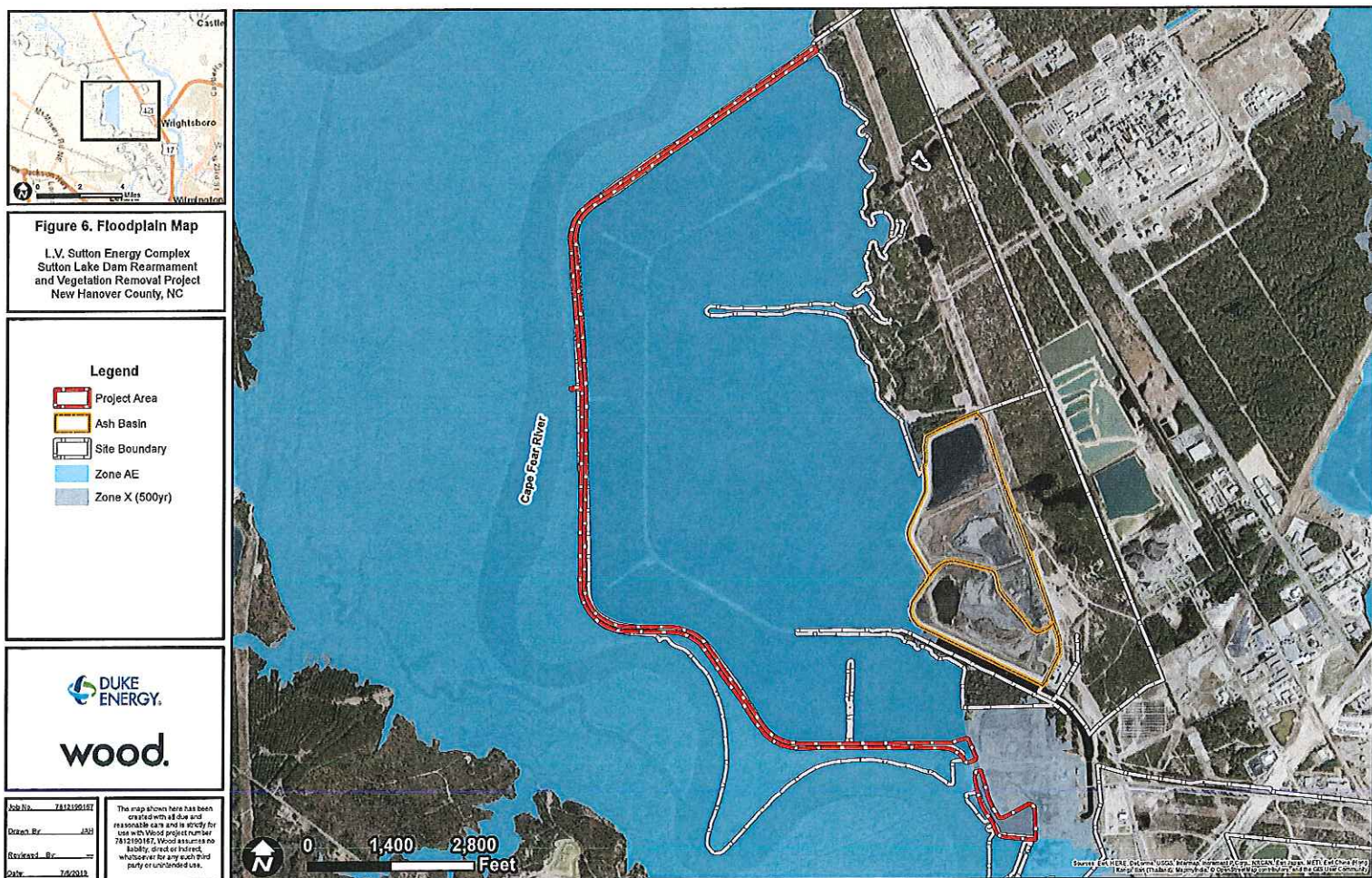




Figure 7. Cultural Resources Map
 L.V. Sutton Energy Complex
 Sutton Lake Dam Rearrangement
 and Vegetation Removal Project
 New Hanover County, NC

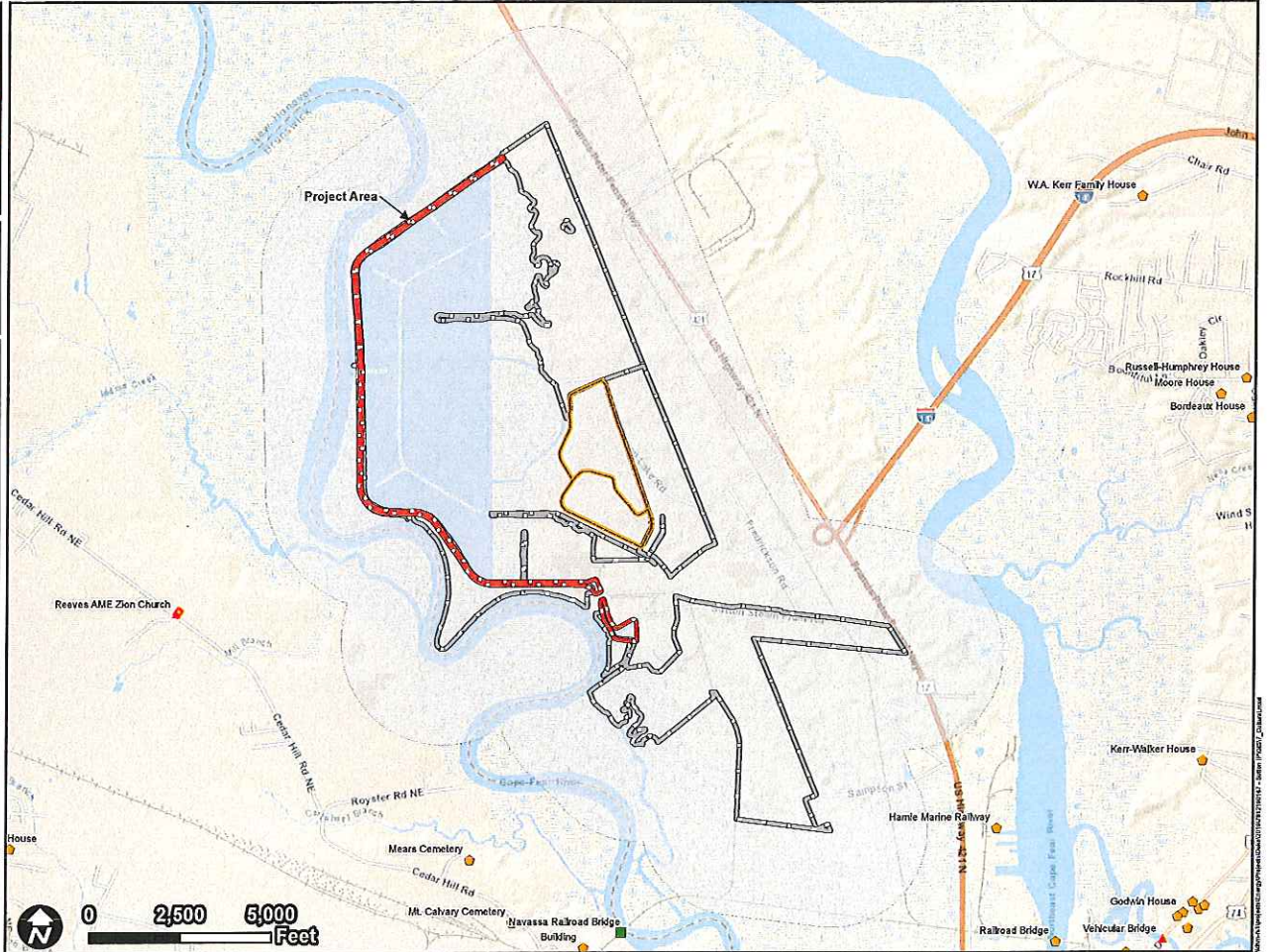
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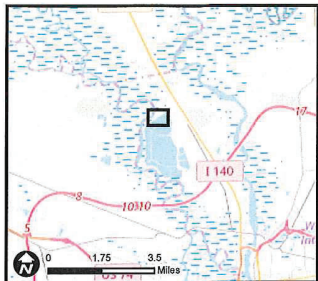
- Project Area
- Determined Eligible NCSHPO Location
- Study List NCSHPO Location
- Surveyed NCSHPO Location
- Determined Eligible NCSHPO
- Ash Basin
- Site Boundary
- Site Buffer (0.5 mile)



Job No. 7812190107
 Drawn By: JHU
 Reviewed By:
 Date: 7/2/2013

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Project Impact Areas 1

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

- Project
- Slope Repair
- Temporary Impact Working Area
- Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: —

Date: 9/10/2018

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Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac



0 250 500
Feet
1 inch = 250 feet



**Permit Figure K
Bay 6 Plan View**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

- XS
- Waterline
- Wetland Impact (Permanent)
- Wetland Impact (Temporary)
- Slope Repair Area
- Wetlands
- Temporary Impact Working Area
- Permanent Impact Repair Area
- Repair Area

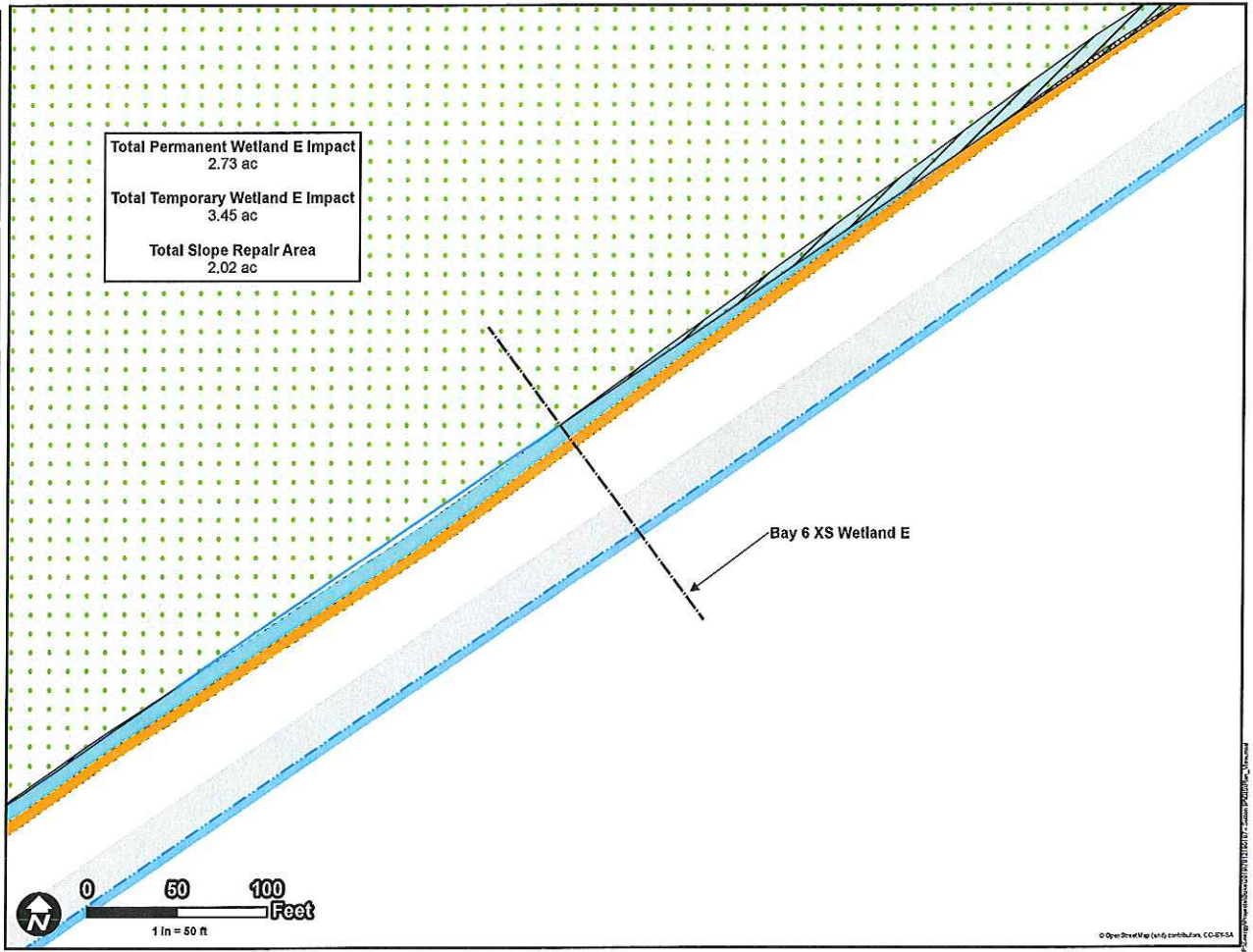


wood.

Job No. 7812192107
Drawn By: JHH
Reviewed By:
Date: 7/1/2019

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Total Permanent Wetland E Impact
2.73 ac
Total Temporary Wetland E Impact
3.45 ac
Total Slope Repair Area
2.02 ac



**Permit Figure L
Bay 6 Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

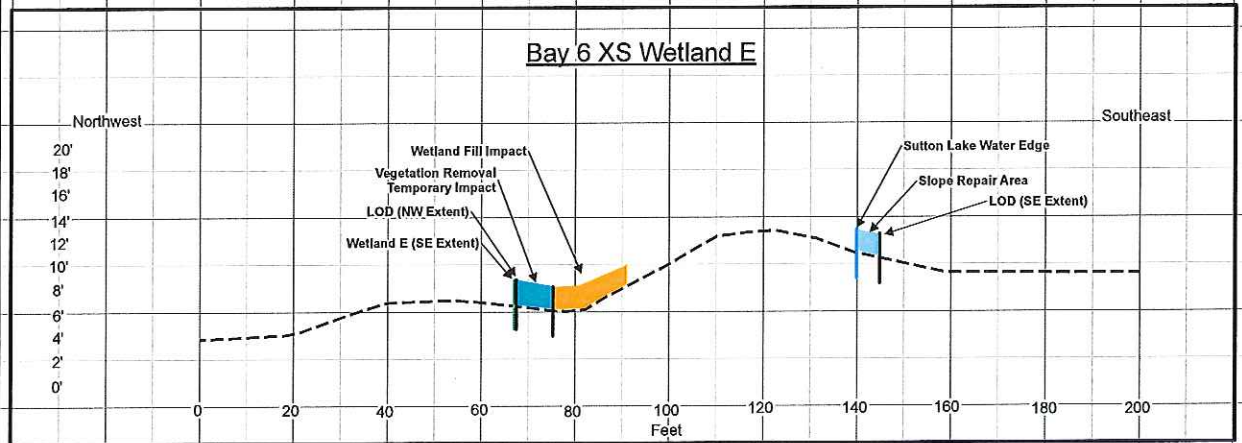
Legend

-  Wetland Impact (Permanent)
-  Wetland Impact (Temporary)
-  Slope Repair Area
-  Temporary Impact Working Area
-  Permanent Impact Repair Area

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

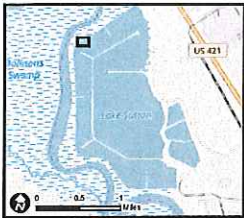
Total Slope Repair Area
2.02 ac



wood.

Job No. 7812192187
Drawn By: JHW
Reviewed By:
Date: 7/8/2018

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**Permit Figure 1
Bay 5 Plan View**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

- XS
- Waterline
- Wetland Impact (Permanent)
- Wetland Impact (Temporary)
- Slope Repair Area
- Wetlands
- Temporary Impact Working Area
- Permanent Impact Repair Area
- Repair Area



wood.

Job No. 7812192187

Drawn By: JAD

Reviewed By:

Date: 7/10/2018

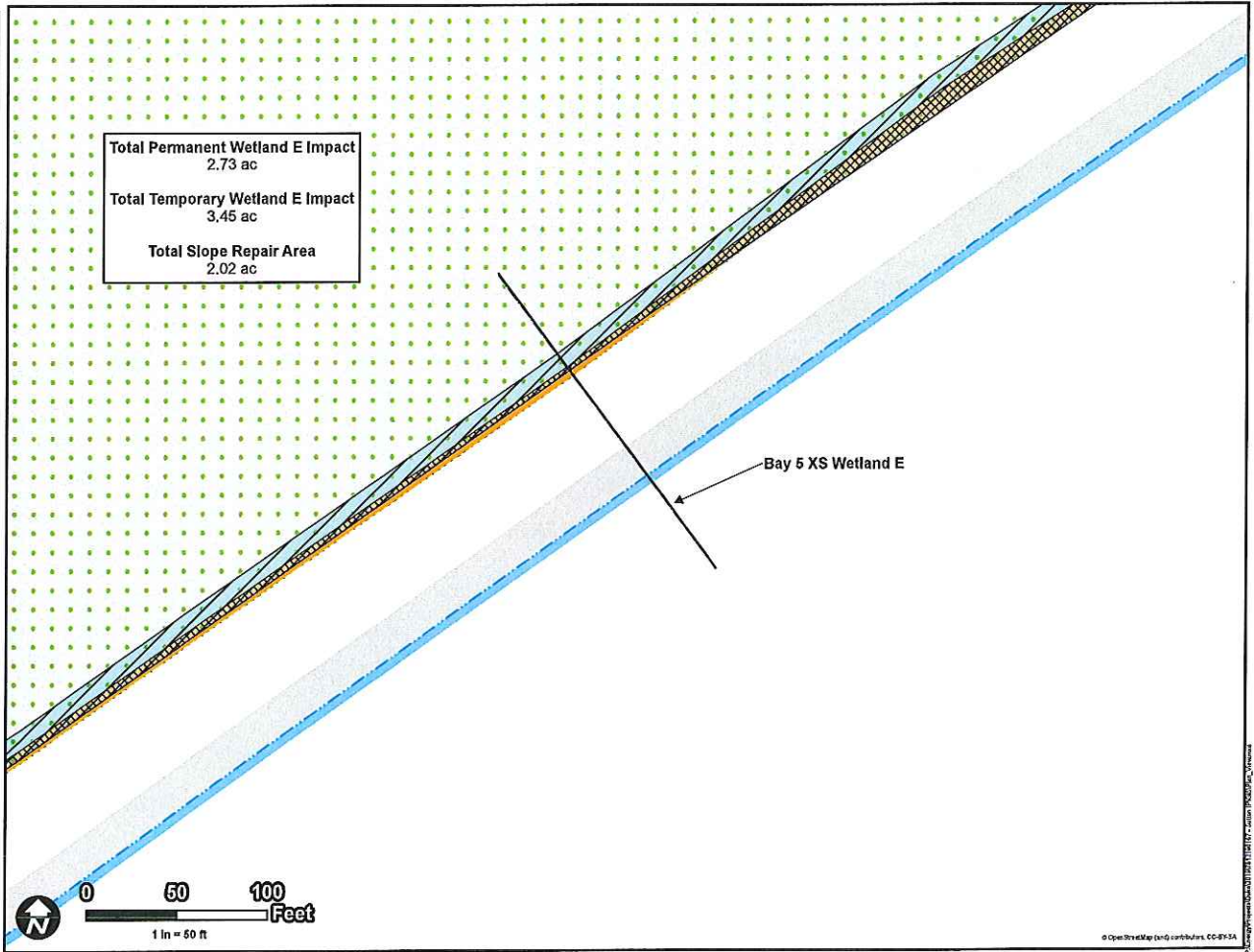
The map shown here has been created with all due and reasonable care and is intended for use with Wood project number 7812192187. Wood assumes no liability, direct or indirect, whatsoever for any third party or unintended use.

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
2.02 ac

Bay 5 XS Wetland E



**Permit Figure J
Bay 5 Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

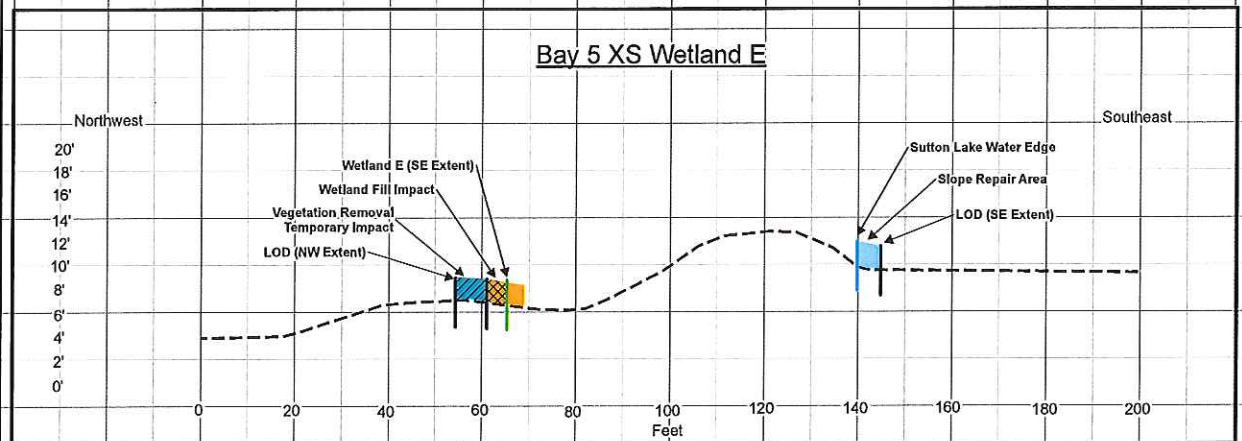
-  Wetland Impact (Permanent)
-  Wetland Impact (Temporary)
-  Slope Repair Area
-  Temporary Impact Working Area
-  Permanent Impact Repair Area

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
2.02 ac

Bay 5 XS Wetland E

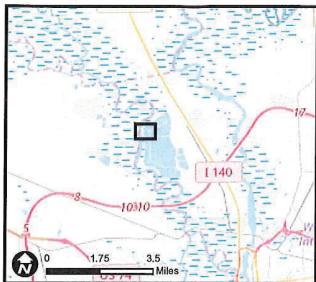


wood.

Job No. 7812192167
Drawn By JWH
Reviewed By
Date 7/8/2018

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Sutton Lake Dam Rearrangement and Vegetation Removal Project - New Hanover County, NC



Project Impact Areas 2

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

-  Project
-  Slope Repair
-  Temporary Impact Working Area
-  Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: --

Date: 9/10/2019

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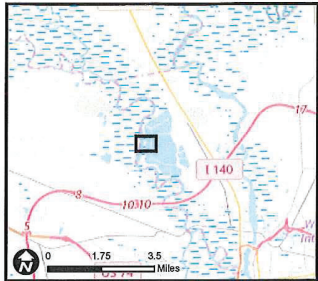
Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac



0 250 500 Feet
1 inch = 250 feet



Project Impact Areas 3

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

- Project
- Slope Repair
- Temporary Impact Working Area
- Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: ---

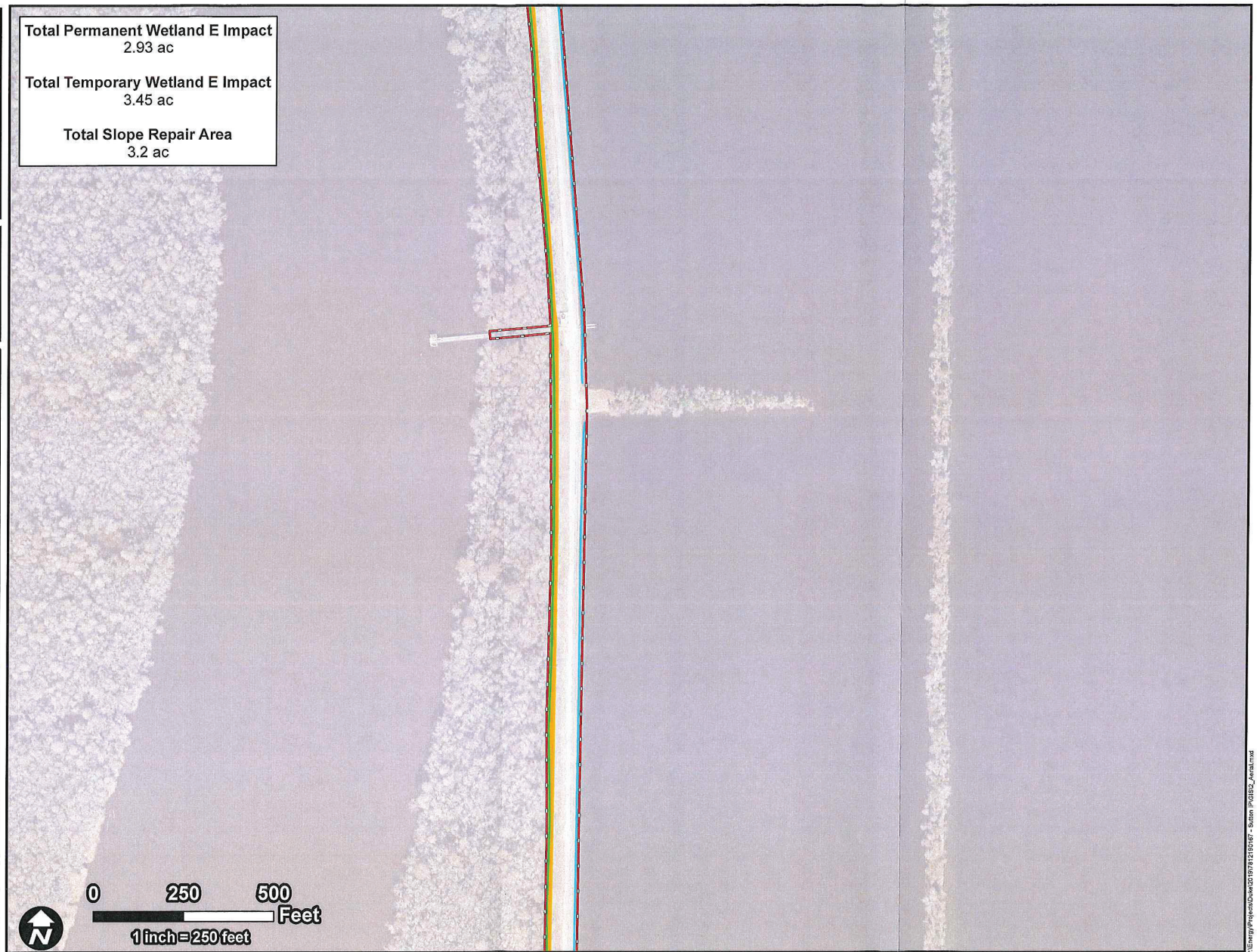
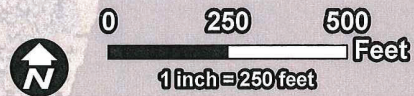
Date: 9/10/2019

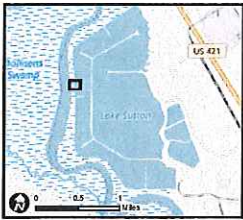
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Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac





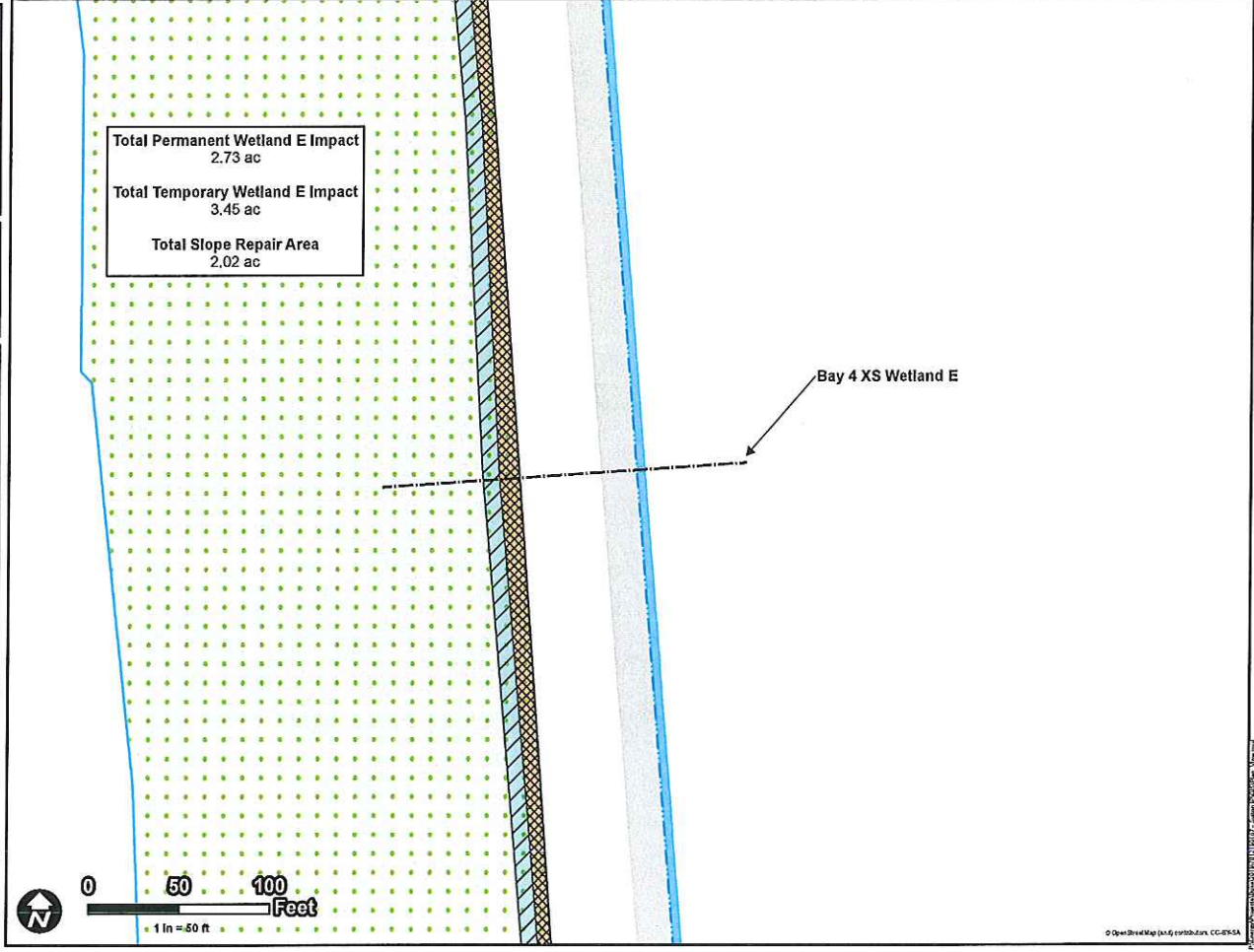
Permit Figure G
Bay 4 Plan View
 L.V. Sutton Energy Complex
 Sutton Lake Dam Reservoir
 and Vegetation Removal Project
 New Hanover County, NC

- Legend**
- XS
 - Waterline
 - Wetland Impact (Permanent)
 - Wetland Impact (Temporary)
 - Slope Repair Area
 - Wetlands
 - Temporary Impact Working Area
 - Permanent Impact Repair Area
 - Repair Area



Job No. 7812190102
 Design By JAU
 Reviewed By
 Date 7/6/2018

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**Permit Figure H
Bay 4 Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Reamament
and Vegetation Removal Project
New Hanover County, NC

Legend

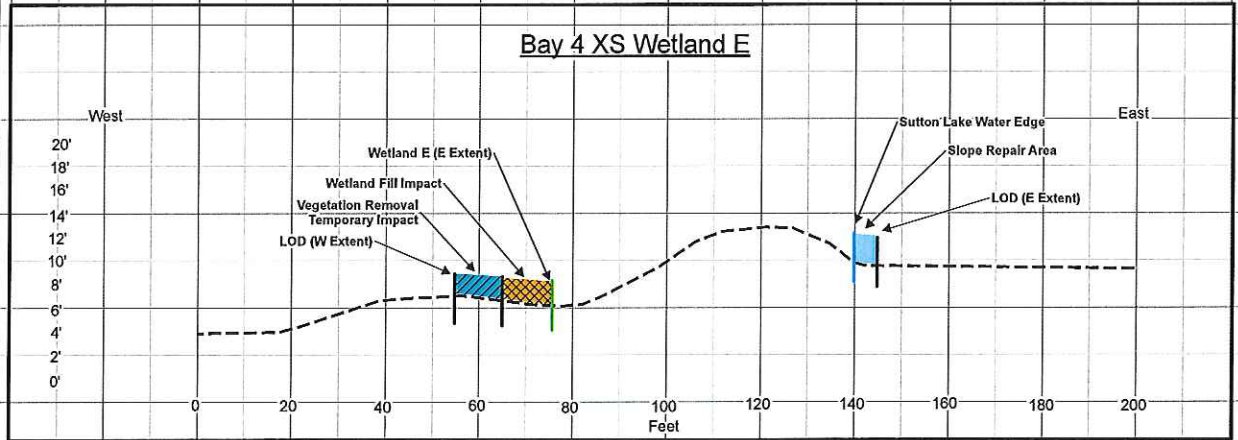
-  Wetland Impact (Permanent)
-  Wetland Impact (Temporary)
-  Slope Repair Area
-  Temporary Impact Working Area
-  Permanent Impact Repair Area

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
2.02 ac

Bay 4 XS Wetland E



wood.

Job No. 7812195152

Drawn By JSS

Reviewed By

Date 7/6/2015

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\\sutton\projects\7812195152\Bay 4 XS Wetland E\Bay 4 XS Wetland E.dwg



**Permit Figure E
Bay 3 Plan View**
L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

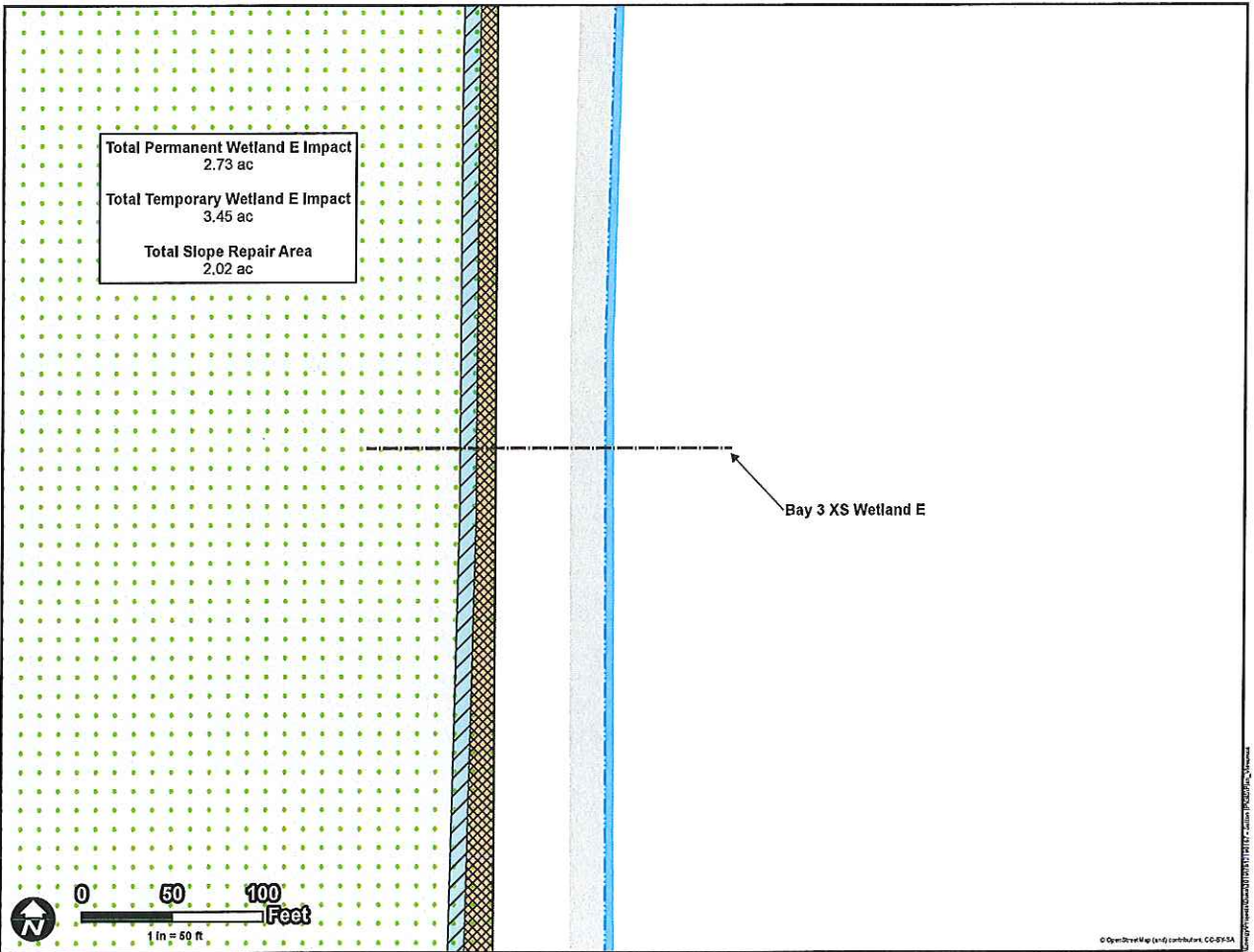
- XS
- Waterline
- Wetland Impact (Permanent)
- Wetland Impact (Temporary)
- Slope Repair Area
- Wetlands
- Temporary Impact Working Area
- Permanent Impact Repair Area
- Repair Area



wood.

Job No. 7812192187
Drawn By: JMS
Reviewed By:
Date: 7/10/2018

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**Permit Figure F
Bay 3 Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Reclamation
and Vegetation Removal Project
New Hanover County, NC

Legend

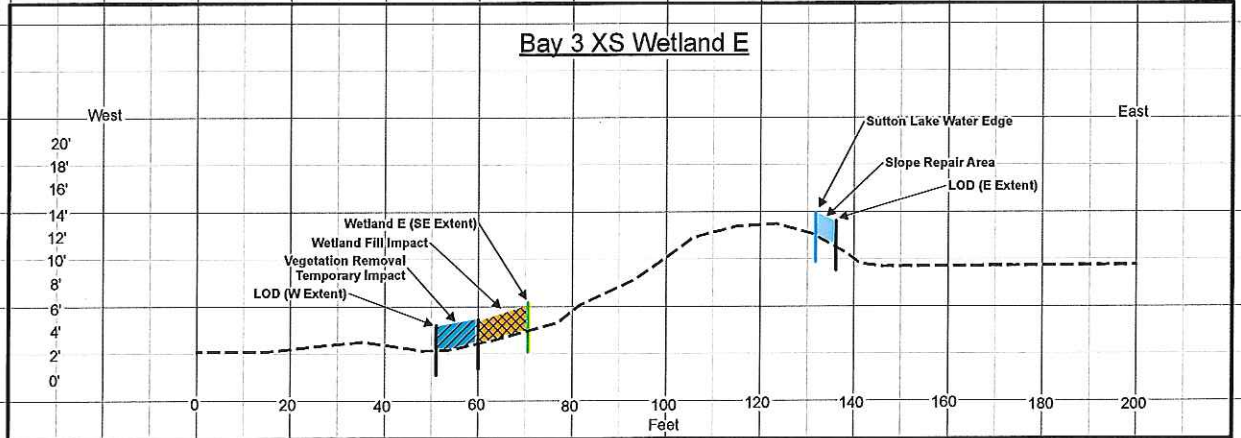
-  Wetland Impact (Permanent)
-  Wetland Impact (Temporary)
-  Slope Repair Area
-  Temporary Impact Working Area
-  Permanent Impact Repair Area

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
2.02 ac

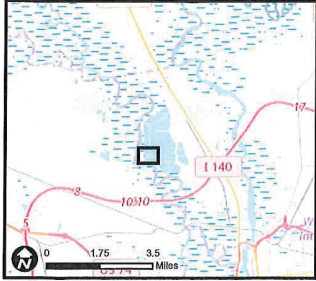
Bay 3 XS Wetland E



wood.

Job No. 7812150187
Drawn By: JWS
Reviewed By:
Date: 7/8/2018

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Project Impact Areas 4

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

-  Project
-  Slope Repair
-  Temporary Impact Working Area
-  Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: ---

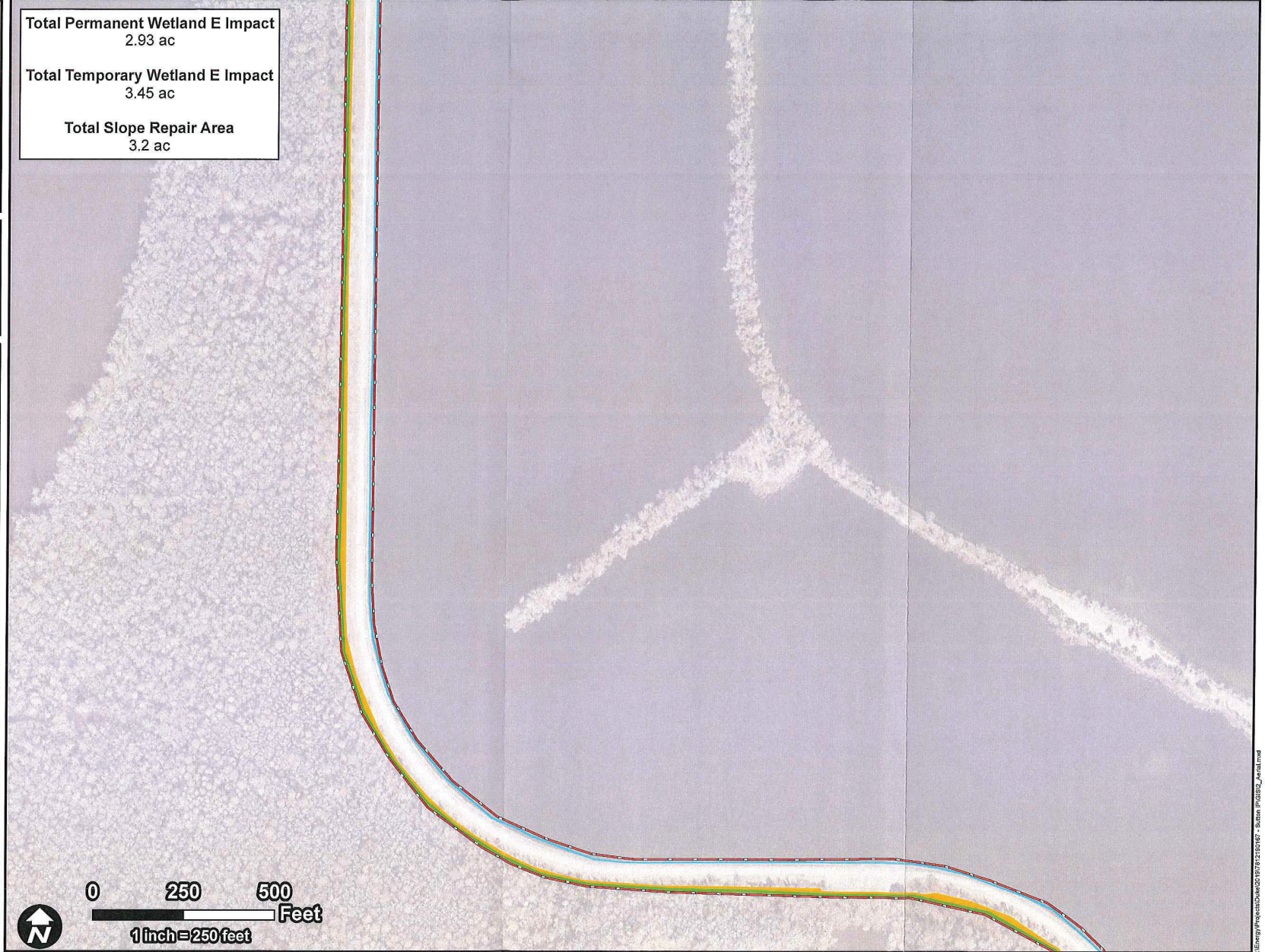
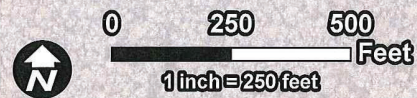
Date: 9/10/2019

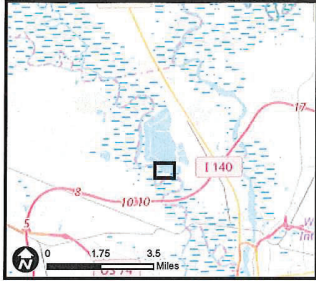
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Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac





Project Impact Areas 5

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

- Project
- Slope Repair
- Temporary Impact Working Area
- Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: --

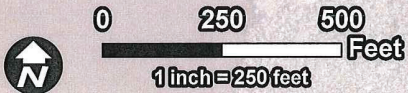
Date: 9/10/2019

The map shown here has been created with all due and reasonable care and is strictly for use with Wood project number 7812190167. Wood assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.

Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac





**Permit Figure C
Bay 2 Plan View**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

- XS
- Waterline
- Wetland Impact (Permanent)
- Wetland Impact (Temporary)
- Slope Repair Area
- Wetlands
- Temporary Impact Working Area
- Permanent Impact Repair Area
- Repair Area



wood.

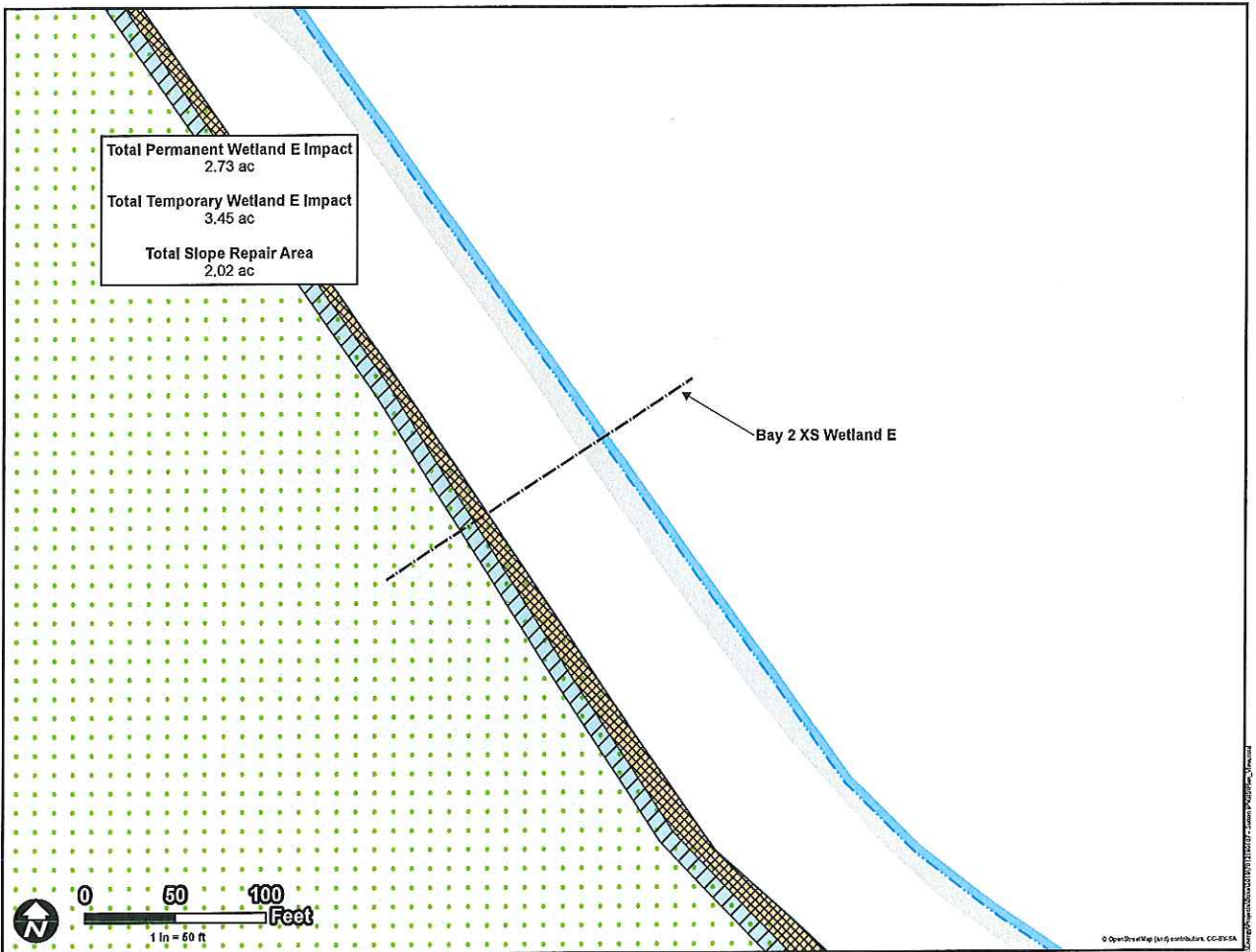
Job No. 7812192187

Drawn By: JJJ

Reviewed By: ---

Date: 7/10/2012

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Permit Figure D
Bay 2 Cross Section

 L.V. Sutton Energy Complex
 Sutton Lake Dam Reclamation
 and Vegetation Removal Project
 New Hanover County, NC

Legend

Wetland Impact (Permanent)

Wetland Impact (Temporary)

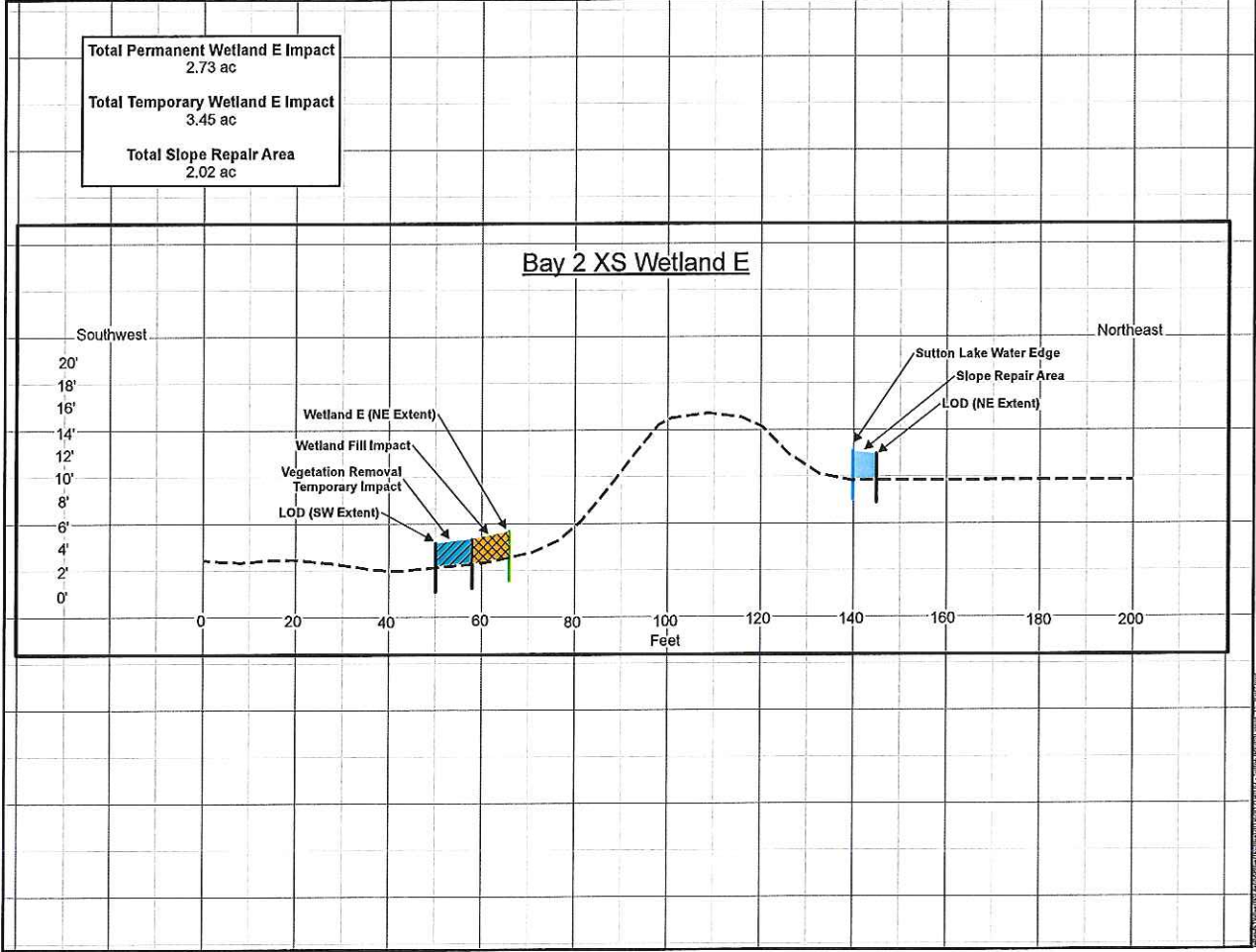
Slope Repair Area

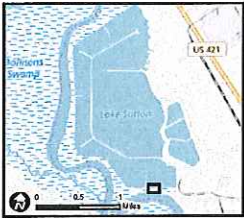
Temporary Impact Working Area

Permanent Impact Repair Area

Job No. 7812130137
 Drawn By JDU
 Reviewed By
 Date 7/8/2013

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**Permit Figure A
Bay 1 Plan View**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

- XS
- Waterline
- Wetland Impact (Permanent)
- Wetland Impact (Temporary)
- Slope Repair Area
- Wetlands
- Temporary Impact Working Area
- Permanent Impact Repair Area
- Repair Area



wood.

Job No. 7812192157
Drawn By: JBJ
Reviewed By:
Date: 7/1/2018

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Total Permanent Wetland E Impact
2.73 ac
Total Temporary Wetland E Impact
3.45 ac
Total Slope Repair Area
2.02 ac

Bay 1 XS Wetland E



**Permit Figure B
Bay 1 Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

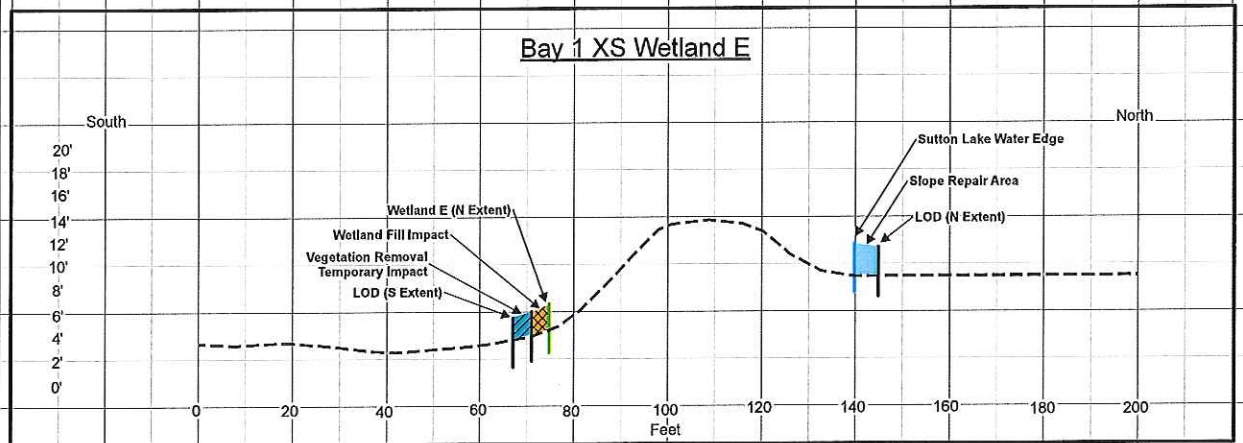
-  Wetland Impact (Permanent)
-  Wetland Impact (Temporary)
-  Slope Repair Area
-  Temporary Impact Working Area
-  Permanent Impact Repair Area

Total Permanent Wetland E Impact
2.73 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
2.02 ac

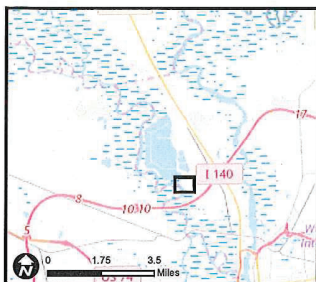
Bay 1 XS Wetland E



wood.

Job No. 7812150187
Drawn By JSH
Reviewed By
Date 7/9/2019

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Project Impact Areas 6

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

- Project
- Slope Repair
- Temporary Impact Working Area
- Permanent Impact Repair Area



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: --

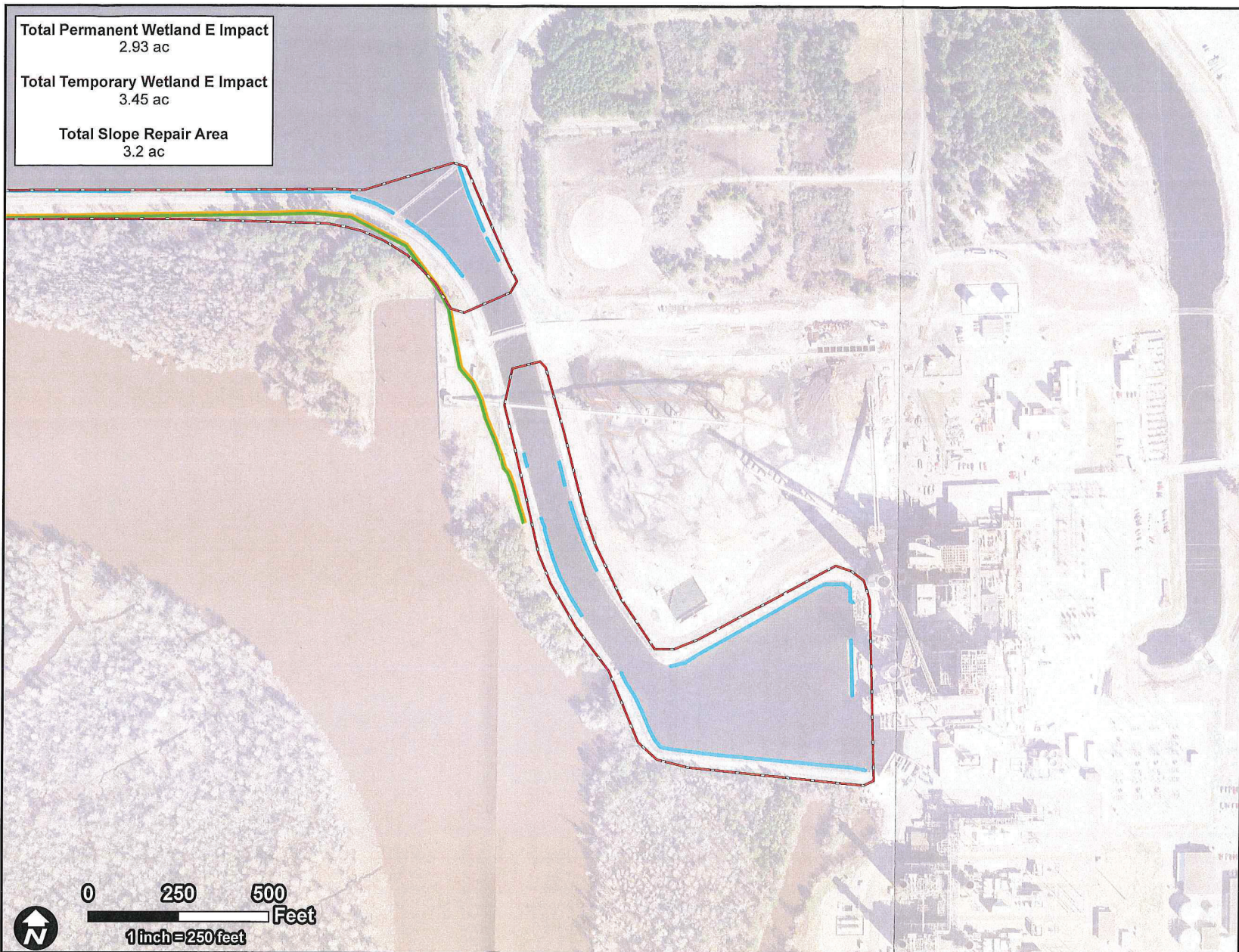
Date: 9/10/2019

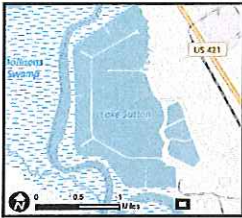
The map shown here has been created with all due and reasonable care and is strictly for use with Wood project number 7812190167. Wood assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.

Total Permanent Wetland E Impact
2.93 ac

Total Temporary Wetland E Impact
3.45 ac

Total Slope Repair Area
3.2 ac





**Permit Figure M
Intake Canal Plan View**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

Legend

- XS
- Waterline
- Slope Repair Area



wood.

Job No. 7812102187
Client Mr. JAH
Drawn By
Date 7/5/2018

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0 50 100
Feet
1 in = 50 ft

Total Permanent Wetland E Impact
2.73 ac
Total Temporary Wetland E Impact
3.45 ac
Total Slope Repair Area
2.02 ac

Intake Canal XS

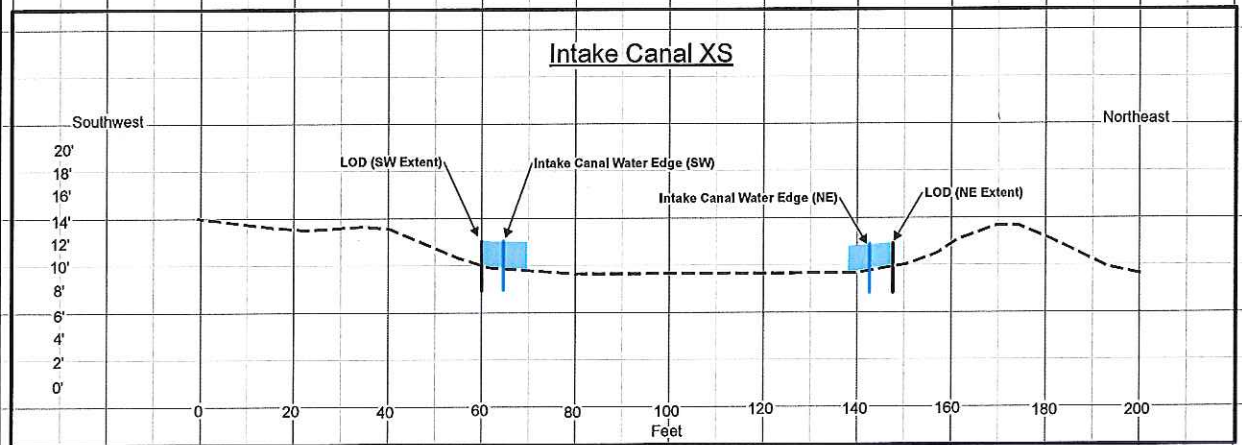
**Permit Figure N
Intake Canal Cross Section**

L.V. Sutton Energy Complex
Sutton Lake Dam Rearrangement
and Vegetation Removal Project
New Hanover County, NC

Legend

 Slope Repair Area

Total Permanent Wetland E Impact
2.73 ac
Total Temporary Wetland E Impact
3.45 ac
Total Slope Repair Area
2.02 ac



wood.

Job No. 7812192187
Drawn By JMM
Reviewed By
Date 7/8/2019

The map shown here has been
checked with all data and
reasonable care and is strictly for
use with Wood project number
7812192187. Wood assumes no
liability, direct or indirect,
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NWP 39 Mod
Wetland Scour Plan View
 L.V. Sutton Energy Complex
 Sutton Lake Dam Rearmament
 and Vegetation Removal Project
 New Hanover County, NC

Legend

- Wetland Scour Fill
- XS
- Waterline
- Wetlands

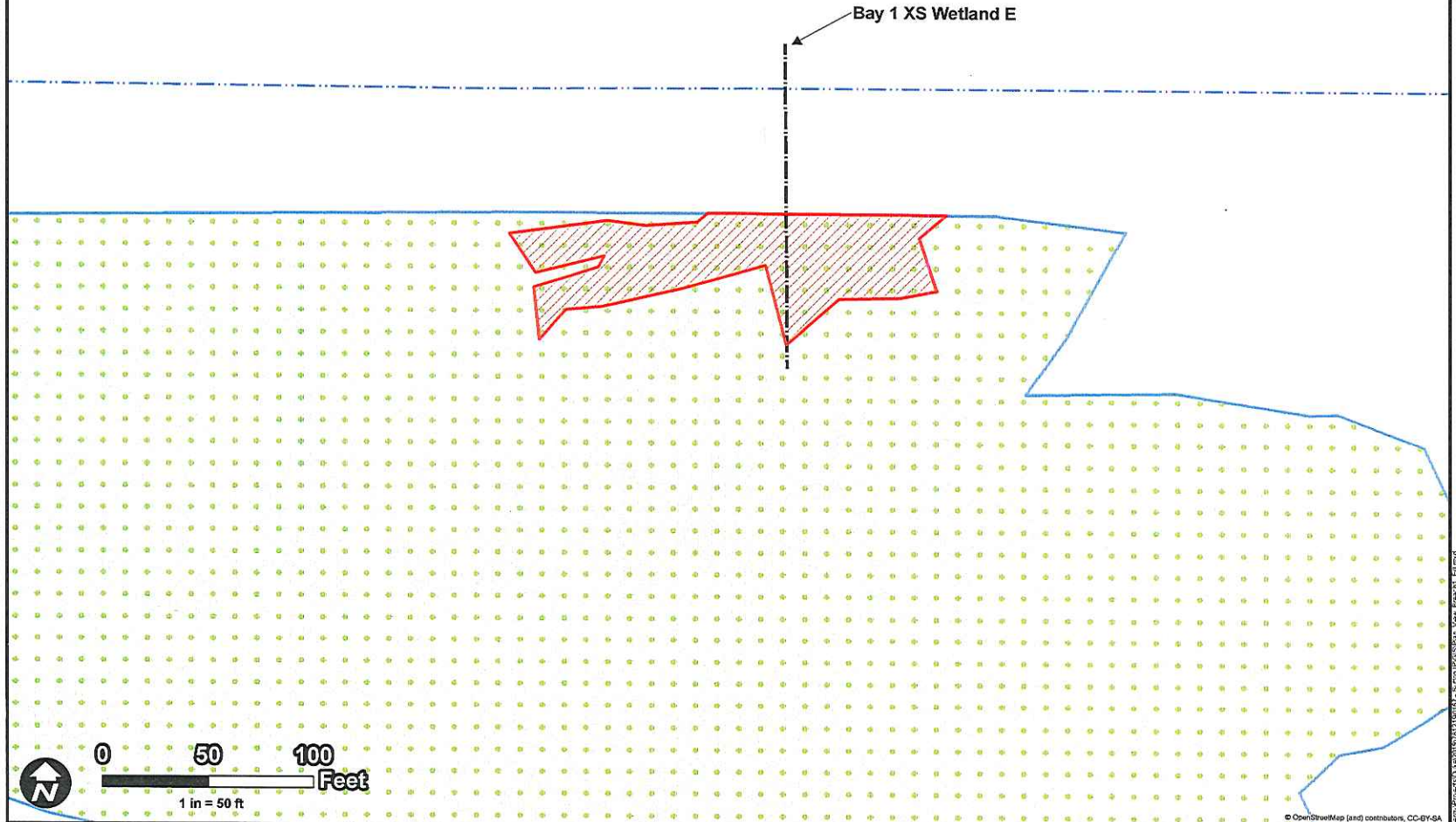


wood.

Job No. 7812190167
 Drawn By: JAH
 Reviewed By: ---
 Date: 7/17/2018

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Total Permanent Wetland E Impact
 0.2 ac



L.V. Sutton Energy Complex
Sutton Lake Dam Rearmament
and Vegetation Removal Project
New Hanover County, NC

South

North

18'

—16'—

14'

12'

10'

—8'—

6'

4'

2'

0'

-2'

4.

-6'

Pre-Hurricane Land Elevation

Wetland E (N Extent)

Sutton Lake Water Edge

Wetland Fill Impact:

Feet



wood.

Job No. 7812190167

Drawn By: JAH

Reviewed By: _____

Date: 7/22/2019

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