



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SAVANNAH DISTRICT, CORPS OF ENGINEERS
100 W. OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3640

JULY 07 2014

Regulatory Division
SAS-2012-01038

**JOINT PUBLIC NOTICE
Savannah District/State of Georgia**

The Savannah District has received an application for a Department of the Army Permit, pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344), as follows:

Application Number: SAS-2012-01038

Applicants: Mr. Steve Heard
Southern LNG Company, LLC (SLNG)
Post Office Box 1367
Savannah, Georgia 31404

Mr. Michael J. Varagona
Elba Liquefaction Company, LLC
569 Brockwood Center, Suite 749
Birmingham, Alabama 35209

Agent: Mr. David Vance
Geoyntec Consultants, Inc.
1255 Roberts Boulevard, Northwest, Suite 200
Kennesaw, Georgia 30144

Location of Proposed Work: The project site is located in the Savannah River, South Channel and on Elba Island, at the SLNG Company Terminal, in Savannah, Chatham County, Georgia (Latitude 32.0861, Longitude -80.9955).

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers: SLNG is proposing to expand the existing Elba Island liquefied natural gas terminal. Currently, liquid natural gas is imported by ship, off-loaded to the Elba Island storage facility, converted to gas and distributed throughout the southeast via pipelines. The expansion would consist of adding natural gas liquefaction and exporting capabilities to the terminal. The Federal Energy Regulatory Commission (FERC) is the lead Federal agency for this project. For upland based work, please refer to FERC Docket No. CP14-103-000. The docket can be found at the following link:

http://elibrary.ferc.gov/idmws/file_list.asp?accession_num=20130722-5169.

As proposed, the project would require the following impacts to waters of the United States:

Wareyard

Construction of the wareyard area would require the fill of 3.53 acres of freshwater wetlands. As proposed, the wareyard would include a 40,000 square foot warehouse, a parking lot, temporary and permanent laydown area, temporary contractor offices, access road, and the marine flare.

Terminal Security Post

The Terminal Security Post and its approach on the south side of the South Channel would be modified to meet U.S. Coast Guard security and safety regulations. The existing Terminal Security Post and access road is surrounded to the north and south by tidal marsh. As proposed, approximately 0.25 acre of tidal marsh would be filled during the expansion.

South Channel Barge Dock

The applicant would utilize the existing South Channel Barge Dock to transport materials and equipment to the island. The applicant is proposing to modify the existing barge dock to include: (1) repair of the existing bulkhead; (2) dredging to the authorized depth of -8' (plus 2' of allowable overdredge); (3) removal of 6 existing isolated piles and pile clusters via a vibratory hammer; and (4) the installation of three timber breasting dolphins.

The existing bulkhead would be reinforced via the installation of approximately 30 18" timber piles in front of the bulkhead. Both the piles and breasting dolphins would be installed to prevent the barges from striking the bulkhead.

Dredging of the barge dock would consist of the removal of approximately 45,000 Cubic Yards (CYs) of accumulated sediment via hydraulic cutterhead dredge. All dredged material would be pumped to SLNG's Dredged Material Containment Areas (DMCAs) located on Elba Island. No effluent would be discharged from the DMCAs as a result of the placement of the material. The applicant is also proposing to annually maintenance dredge 20,000 CYs of material via a hydraulic cutterhead dredge. The dredged maintenance material would be pumped to SLNGs DMCAs as well.

Mitigation

To compensate for the freshwater impacts, the applicant has proposed the purchase of 15.18 wetland credits from a Corps-approved compensatory mitigation bank within the Lower Savannah River watershed. To compensate for the tidal marsh impacts, the applicant has proposed a 0.29 acre expansion of the Elba Island Salt Marsh Mitigation

Area, an approved permittee-responsible mitigation site. The expansion area would be contiguous with the Reference Marsh and existing tidal marsh mitigation area. In addition, a 50-foot upland buffer (0.52 acre) would be established to further protect and enhance the tidal marsh restoration area.

BACKGROUND

This Joint Public Notice announces a request for authorizations from both the U.S. Army Corps of Engineers and the State of Georgia. The applicant's proposed work may also require local governmental approval. In 1972, the Federal Power Commission, predecessor to FERC, authorized construction and operation of the SLNG terminal. In 1973, the Corps permitted (under permit number SASKS 074 0YN 000849) the South Channel Barge Dock and ancillary support structures. The permit authorized the construction and maintenance of a temporary barge and docking facility for equipment and personnel, including loading ramps, floating berth, and bulkhead in the South Channel. The permit also authorized approximately 125,000 CYs of new work dredging with upland disposal on Elba Island. In 1974, the Corps authorized the structures to remain in place permanently. Maintenance dredging associated with the Barge Dock was authorized for a period of 10 years from the new permit date and was not renewed.

From 1982 to 2001, the Terminal operated on standby. In 2001, FERC authorized the re-commission and expansion of the Terminal. In 2002, Department of the Army (DA) Permit SAS-2000-16440 was issued to deepen the existing berth facility from a depth of -34' mean low water (mlw) to -42' mlw, and to create a new -46' mlw deep turning basin. The turning basin is located on the north bank of the Savannah River, across from the Terminal. In 2003, DA Permit SAS-2002-00640 authorized the construction of the ship slip and subsequent maintenance dredging. Dredging would be accomplished via a hydraulic cutterhead with disposal in SLNGs DMCA's. In 2011, DA Permits SAS-2010-00754 and SAS-2011-00060 authorized the continued maintenance dredging of the turning basin and ship slip. As a part of the above applications, SLNG tested the sediment for contaminants of concern, including metals, pesticides, phenols and organochlorines and submitted the report entitled, "Tier II Sediment Report, Elba Island Maintenance Dredging Program," dated January 3, 2011. On February 3, 2011, the Corps determined that the dredged material could be managed on SLNG's Elba Island DMCA's without adverse impacts to human health or the environment, and therefore the effluent discharged from the CDFs would not contain unacceptable levels of chemical contamination.

Regarding this application, the applicants submitted a Tier I report entitled, "Tier I Evaluation and Pathway Analysis Report, Elba Island South Channel, Barge Dock Dredging Program," dated March 2014. The Tier I report utilized the existing data from the 2011 Tier II report and concluded that the proposed dredging activity would not result in adverse impacts on the environment.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division, intends to certify this project at the end of 30 days in accordance with the provisions of Section 401 of the Clean Water Act, which is required for a Federal Permit to conduct activity in, on, or adjacent to the waters of the State of Georgia. Copies of the application and supporting documents relative to a specific application will be available for review and copying at the office of the Georgia Department of Natural Resources, Environmental Protection Division, Water Protection Branch, 4220 International Parkway, Suite 101, Atlanta, Georgia 30354, during regular office hours. A copier machine is available for public use at a charge of 25 cents per page. Any person who desires to comment, object, or request a public hearing relative to State Water Quality Certification must do so within 30 days of the State's receipt of application in writing and state the reasons or basis of objections or request for a hearing. The application can be reviewed in the Savannah District, US Army Corps of Engineers, Regulatory Division, 100 W. Oglethorpe Avenue Savannah, Georgia 31401-3640.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

Marshland Protection: This notice also serves as notification of a request to alter coastal marshlands (under the provision of the Coastal Marshlands Protection Act, Georgia Laws, 1970, p. 939 and as amended), if required. Comments concerning this action should be submitted to the Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, 1 Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

Georgia Coastal Management Program: Prior to the Savannah District Corps of Engineers making a final permit decision on this application, the project must be certified by the Georgia Department of Natural Resources, Coastal Resources Division, to be consistent with applicable provisions of the State of Georgia Coastal Management Program (15 CFR 930). Anyone wishing to comment on Coastal Management Program certification of this project should submit comments in writing within 30 days of the date of this notice to the Federal Consistency Coordinator, Ecological Services Section, Coastal Resources Division, Georgia Department of Natural Resources, One Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

US ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army Permit.

Cultural Resources Assessment: Review of the latest published version of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion are located at the site or in the area affected by the proposed work. Presently unknown archaeological, scientific, prehistorical or historical data may be located at the site and could be affected by the proposed work. FERC is the lead Federal agency for this project. For comments related to Section 106 of the NRHP, please refer to FERC Docket No.CP14-103-000. The docket can be found at the following link http://elibrary.ferc.gov/idmws/file_list.asp?accession_num=20130722-5169.

Essential Fish Habitat (EFH): FERC is the lead Federal agency for this project. For comments related to the Magnuson-Stevens Fishery Conservation and Management Act, please refer to FERC Docket No.CP14-103-000. The docket can be found at the following link http://elibrary.ferc.gov/idmws/file_list.asp?accession_num=20130722-5169.

Endangered Species: FERC is the lead Federal agency for this project. For comments related to ESA, please refer to FERC Docket No.CP14-103-000. The docket can be found at the following link http://elibrary.ferc.gov/idmws/file_list.asp?accession_num=20130722-5169.

Public Interest Review: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

Consideration of Public Comments: The U.S. Army Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Native American Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental

Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

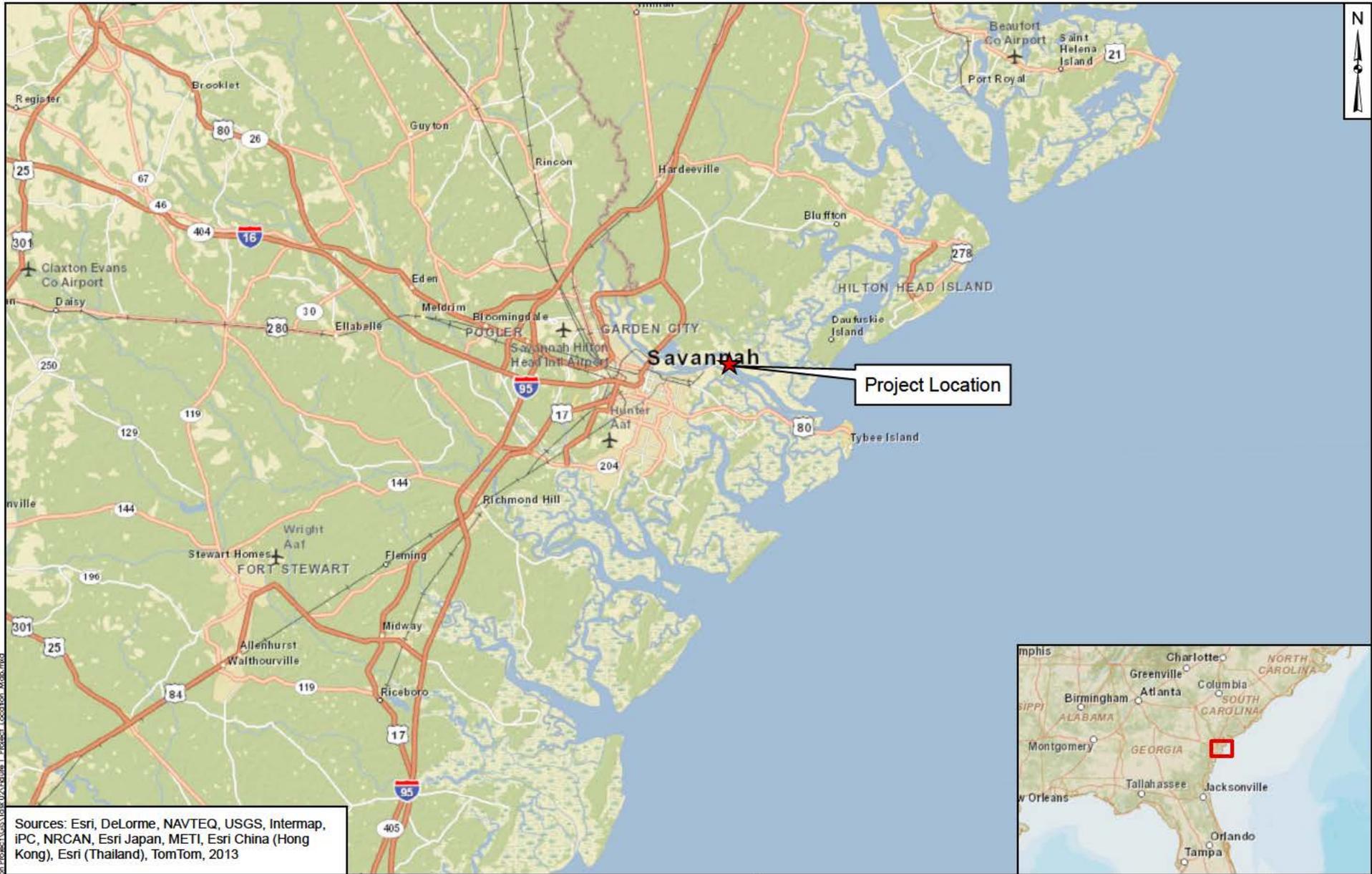
Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army Permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

Comment Period: Anyone wishing to comment on this application for a Department of the Army Permit should submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Mrs. Sarah E. Wise, 100 West Oglethorpe Avenue Savannah, Georgia 31401-3640, no later than 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mrs. Sarah E. Wise, Regulatory Specialist, Coastal Branch at 912-652-5550.

Encls



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013



Legend
 ★ Project Location

Geosyntec
 consultants

Atlanta, Georgia March 2014

Project Location
 Elba Liquefaction Project
 Elba Island, Georgia

Figure
1

Path: N:\12182 - Elba Liquefaction Project\GIS\Task 02\Figure 1 - Project Location_Map.mxd



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Nationwide Permitted Activities:
 SAS-2011-01070 Ship Slip Bed-leveling Study
 SAS-2008-00904 Shore Protection along Savannah River



Legend

- Project Boundary
- Active Maintenance Dredging Area
- Approximate Dredge Area for Original Barge Dock Permit
- DMCA 2 Expansion Permitted Wetland Fill
- DMCA 2 Expansion Footprint
- Existing Tidal Marsh Mitigation Area (1.93 ac) + 50-ft Buffer

Path: N:\12189 - Elba Liquefaction on Project\GIS\Task 02\Figure 2_USACE_Permitting_History.mxd

		USACE Permitting History for SLNG Activities Elba Liquefaction Project Elba Island, Georgia	Figure 2
Atlanta, Georgia	March 2014		



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Note: Wetland boundaries within the proposed wareyard are undefined, as they were delineated by CH2M HILL on March 20, 2014, as a problematic wetland. Wetland acreage was determined based on calculations established under the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coast Region.

1,000 500 0 1,000 Feet

Legend

- Project Boundary
- CRD Marsh Jurisdiction Line
- Non-jurisdictional Stormwater Drainage Ditches
- Upland Segment
- Wetland Segment
- Existing South Channel Barge Loading Facility

Geosyntec
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Atlanta, Georgia

March 2014

Project Area
Elba Liquefaction Project
Elba Island, Georgia

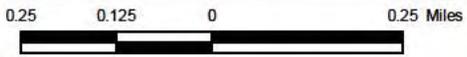
Figure

3

Path: N:\121897 - Elba Liquefaction\Project\GIS\Task 07\Figure 3_ Elba.frm_Coordinate.mxd



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Soil data source: <http://datagateway.nrcs.usda.gov/>



Legend	
	Project Boundary
	FA - Fluvaquents and Udipsamments
	Mae - Made land
	Tml - Tidal marsh, salty
	W - Water

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Atlanta, Georgia

March 2014

Natural Resources Conservation Service Soil Map
Elba Liquefaction Project
Elba Island, Georgia

Figure
4

Path: N:\12182 - Elba Liquefaction Project\GIS\Task 02\Figure 4_Soil.mxd



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, NWI data source: <http://www.fws.gov/wetlands/Data/State-Downloads.html>



- Legend**
- Project Boundary
 - Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake

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March 2014

National Wetland Inventory Map
Elba Liquefaction Project
Elba Island, Georgia

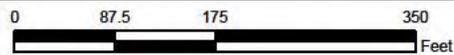
Figure
5

Path: N:\12189 - Elba Liquefaction on Project\GIS\Task 02\Figure 5_NWI_Map.mxd



Note: CRD delineated marsh line, which was performed on February 4, 2014. Marsh line limits were field surveyed by EMC Engineering Services.

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Legend	▭ Project Boundary
	- - - CRD Marsh Jurisdiction Line
	- - - SLNG Property Line

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March 2014

**Terminal Security Post 1
Existing Conditions**

Elba Liquefaction Project
Elba Island, Georgia

Figure

6A

Path: A:\112182 - Elba Liquefaction on Project\GIS\Task 02\Figure 6A\Terminal Security Post.mxd



Dredging Area to be Dredged to a Depth of -8 ft-MLW with a 2-ft Allowable Overdredge

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



- Legend**
- Project Boundary
 - - - CRD Marsh Jurisdiction Line
 - Proposed Dredging Area
 - - - AIWW (Approximate)

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Atlanta, Georgia March 2014

**South Channel Barge Dock
Existing Conditions with Existing Bathymetry**
Elba Liquefaction Project
Elba Island, Georgia

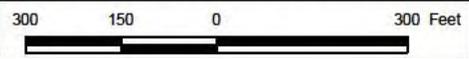
Figure
6B

Path: \\V:\2182 - Elba Liquefaction on Project\GIS\Task 02\Figure 6B_South_Channel_Barge_Dock_Existing_Cond.mxd



Source: Esri, DigitalGlobe, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Note: Wetland boundaries within the proposed wareyard are undefined, as they were delineated by CH2M HILL on March 20, 2014, as a problematic wetland. Wetland acreage was determined based on calculations established under the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coast Region.



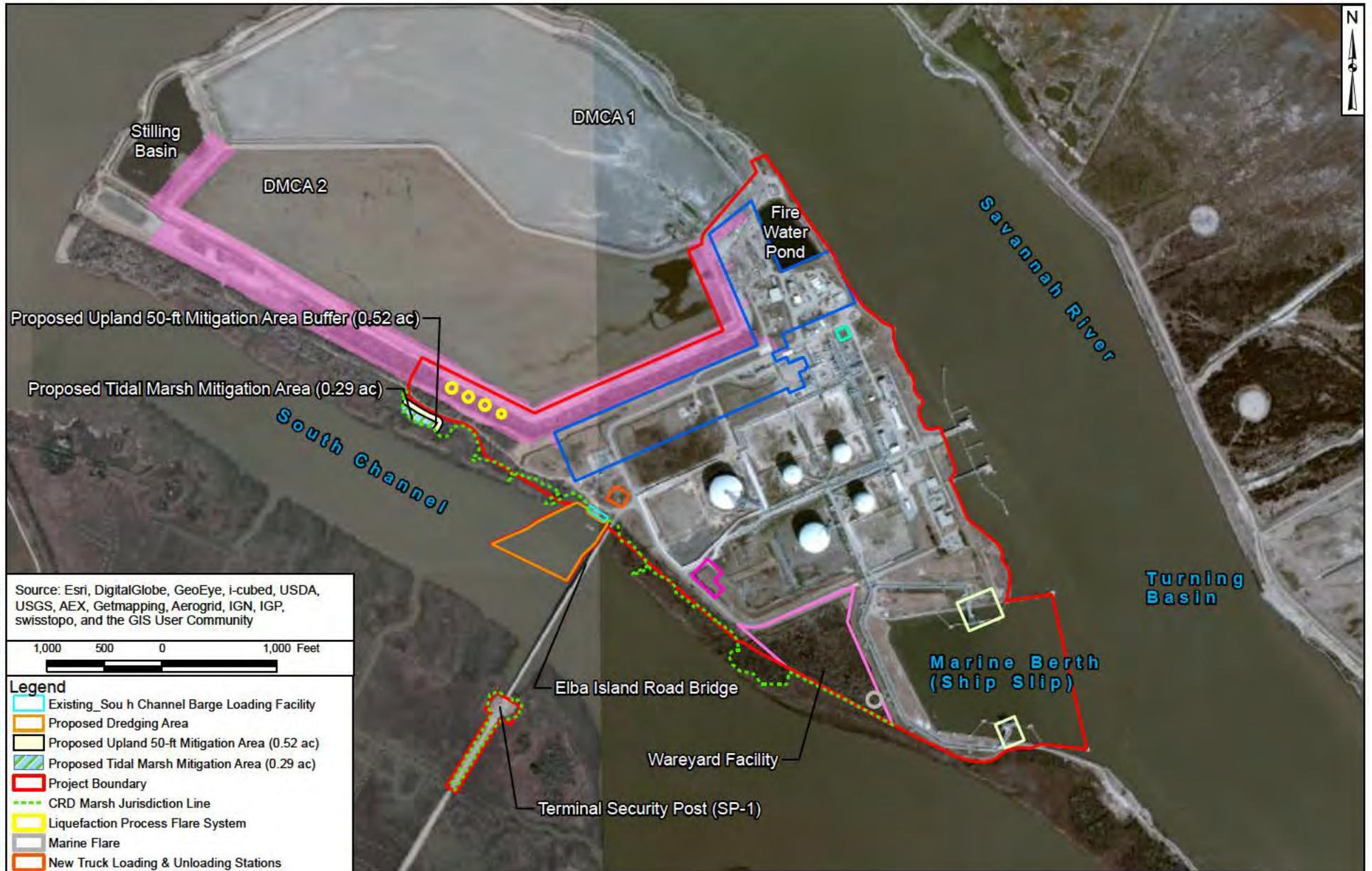
Legend	
	Project Boundary
	CRD Marsh Jurisdiction Line
	Upland Segment
	Wetland Segment

Atlanta, Georgia	March 2014

Wareyard and Marine Berth
Existing Conditions
 Elba Liquefaction Project
 Elba Island, Georgia

Figure
6C

Path: N:\121892 - Elba Liquefaction on Project\GIS\Task 02\Figure 6C - Wareyard Existing Cond.mxd



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

1,000 500 0 1,000 Feet

Legend

- Existing South Channel Barge Loading Facility
- Proposed Dredging Area
- Proposed Upland 50-ft Mitigation Area (0.52 ac)
- Proposed Tidal Marsh Mitigation Area (0.29 ac)
- Project Boundary
- CRD Marsh Jurisdiction Line
- Liquefaction Process Flare System
- Marine Flare
- New Truck Loading & Unloading Stations
- Substation Facility
- Location of MMLS Units
- Wareyard Facility
- Bog Compressor
- Ship Loading Modifications
- DMCA 2 Expansion Footprint

Geosyntec
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Atlanta, Georgia

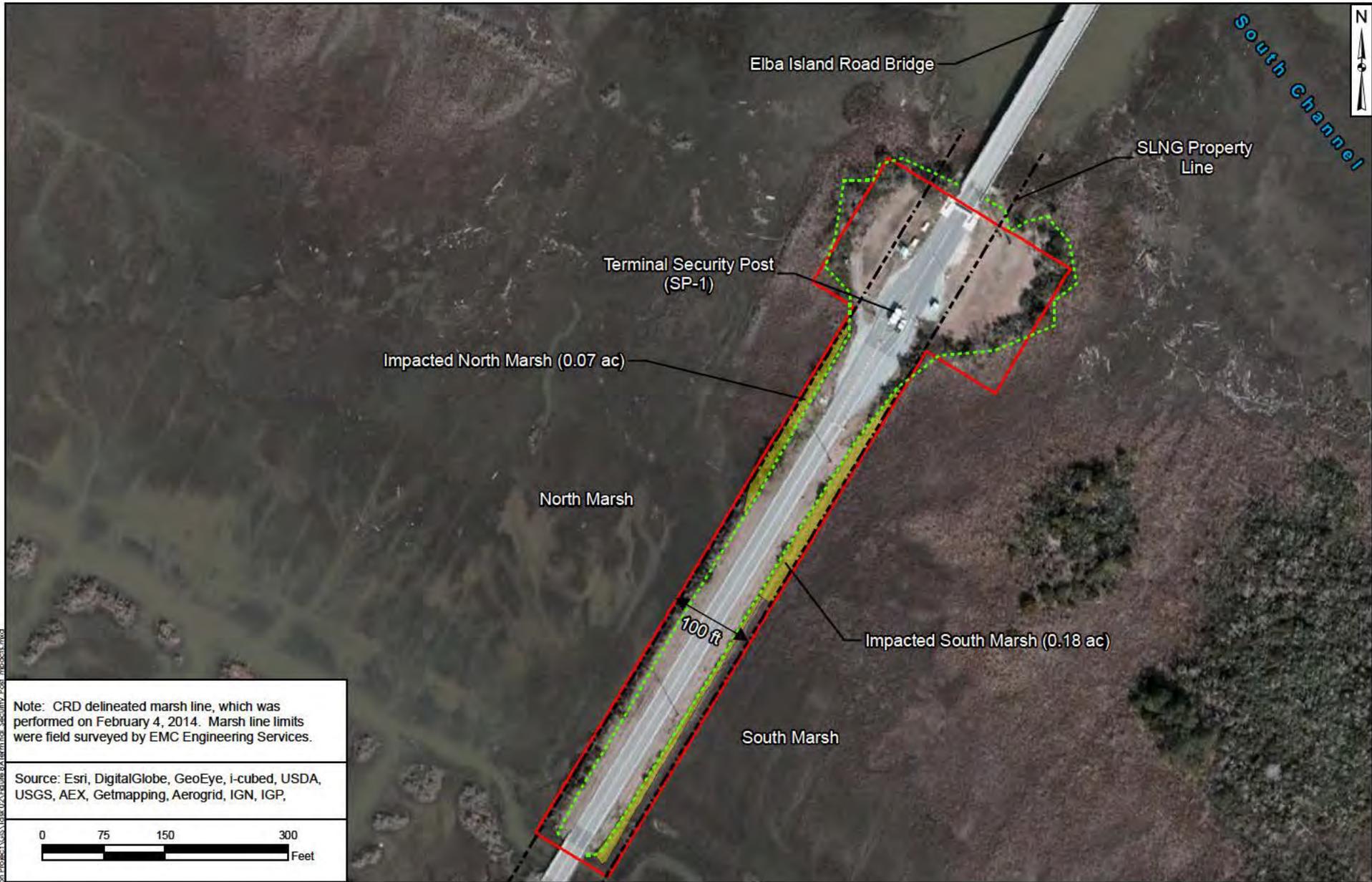
March 2014

**Elba Island
Proposed Facilities**

Elba Liquefaction Project
Elba Island, Georgia

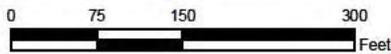
Figure

7



Note: CRD delineated marsh line, which was performed on February 4, 2014. Marsh line limits were field surveyed by EMC Engineering Services.

Source: Esri, DigitalGlobe, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP,



Legend	
- - - -	CRD Marsh Jurisdiction Line
	SLNG Property Line
	Impacted Marsh
	Project Boundary

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consultants

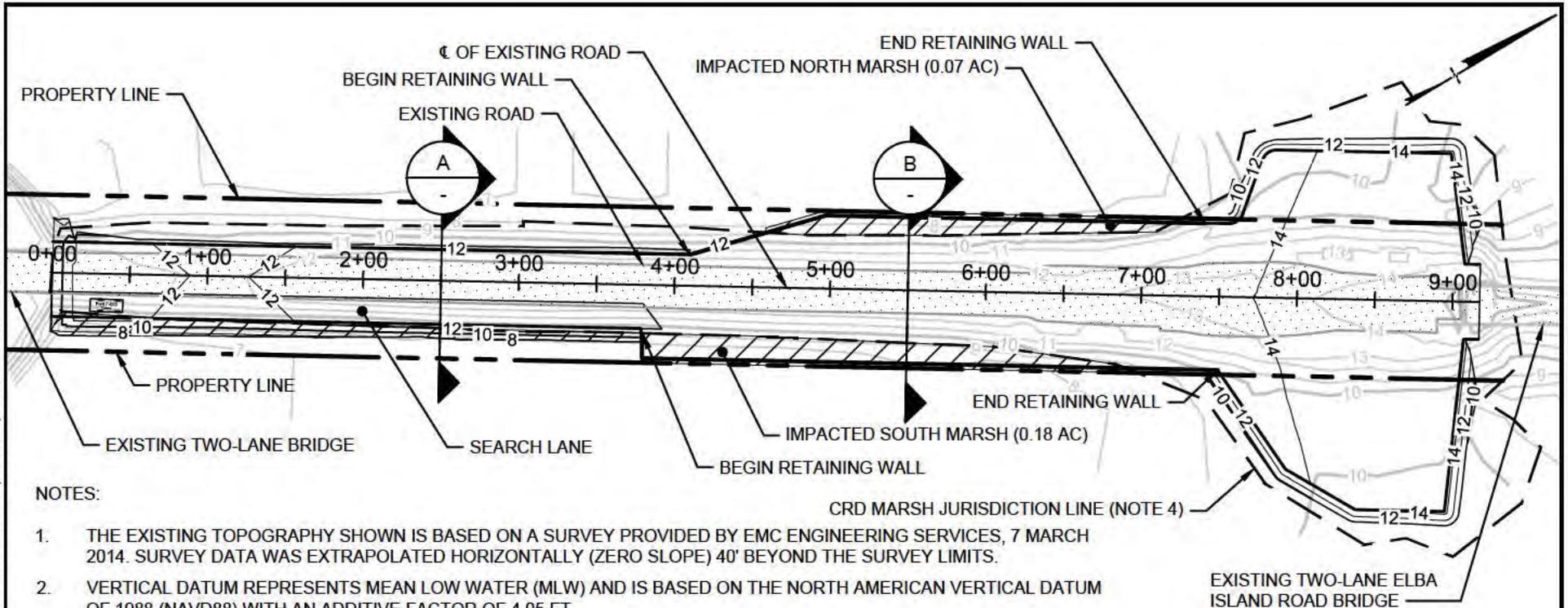
Atlanta, Georgia

March 2014

**Proposed Terminal Security Post 1
Expansion Impacts**
Elba Liquefaction Project
Elba Island, Georgia

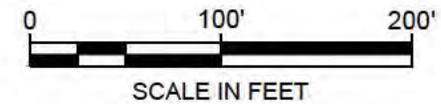
Figure
8A

Path: \\11.12182... Road Liquefaction on Project\GIS\Task 02\Figure 8A\Terminal Security Post_impact.mxd



NOTES:

1. THE EXISTING TOPOGRAPHY SHOWN IS BASED ON A SURVEY PROVIDED BY EMC ENGINEERING SERVICES, 7 MARCH 2014. SURVEY DATA WAS EXTRAPOLATED HORIZONTALLY (ZERO SLOPE) 40' BEYOND THE SURVEY LIMITS.
2. VERTICAL DATUM REPRESENTS MEAN LOW WATER (MLW) AND IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WITH AN ADDITIVE FACTOR OF 4.05 FT.
3. NORTHINGS AND EASTINGS CORRESPOND TO GEORGIA STATE PLAN COORDINATE SYSTEM EAST ZONE NAD83 (1994).
4. THE DNR CRD MARSH JURISDICTION LINE SHOWN FOR ELBA ISLAND ON THIS DRAWING WAS DELINEATED BY THE CRD ON 30 MAY 2013, 22 NOVEMBER 2013 AND 4 FEBRUARY 2014. EACH PRIOR CRD MARSH JURISDICTION LINE DELINEATION WAS FIELD SURVEYED BY EMC ENGINEERING SERVICES (EMC) ON 20 FEBRUARY 2014 TO PROVIDE A COMPOSITE CRD MARSH JURISDICTION LINE EXHIBIT TITLED "MARSHLINE EXHIBIT OF THE SOUTHERN MARSHLINE OF ELBA ISLAND" ON 28 FEBRUARY 2014. THE CRD VERIFIED THE BOUNDARIES DELINEATED ON 30 MAY 2013 AND 22 NOVEMBER 2013 IN LETTERS DATED 13 JUNE 2013 AND 20 DECEMBER 2013, RESPECTIVELY. THE 4 FEBRUARY 2014 DELINEATION WILL BE VERIFIED BY CRD FOLLOWING SUBMITTAL OF THE EMC DRAWING TO CRD REQUESTING A SINGLE VERIFICATION OF THE JURISDICTIONAL MARSH LINE SHOWN IN EMC'S EXHIBIT.



PERMIT DRAWING

LEGEND

	EXISTING GROUND ELEVATION (FEET) (NOTES 1 THROUGH 3)		EXISTING PAVED ROAD
	PROPOSED GROUND ELEVATION (FEET)		CRD MARSH JURISDICTION LINE (NOTE 4)
	PROPERTY LINE		IMPACTED MARSH
	PROPOSED RETAINING WALL		SEARCH LANE

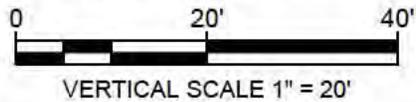
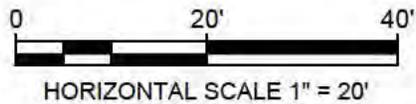
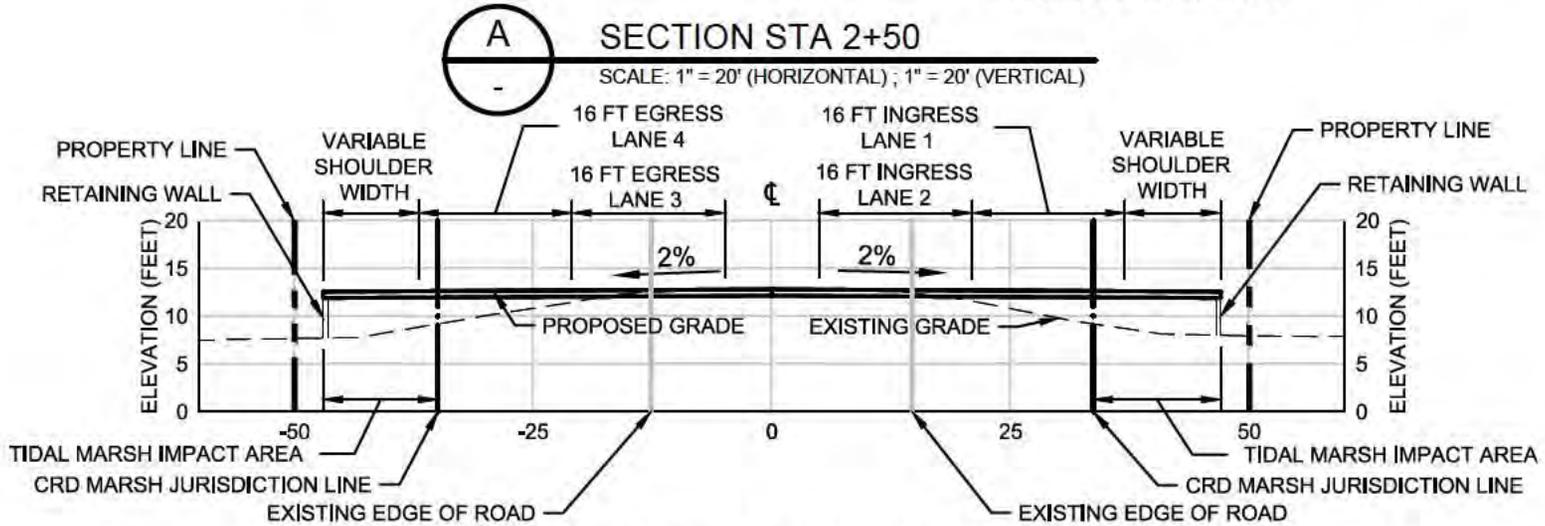
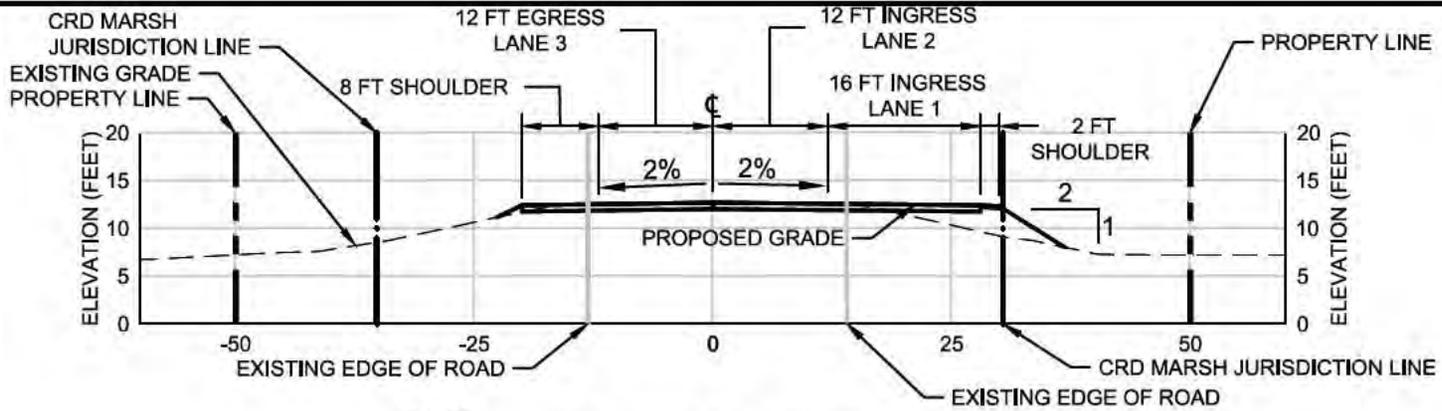
TERMINAL SECURITY POST 1 EXPANSION
 PROPOSED IMPACTS
 ELBA LIQUEFACTION PROJECT
 ELBA ISLAND, GA



Kennesaw, Georgia

MARCH 2014

Figure
 8B



PERMIT DRAWING

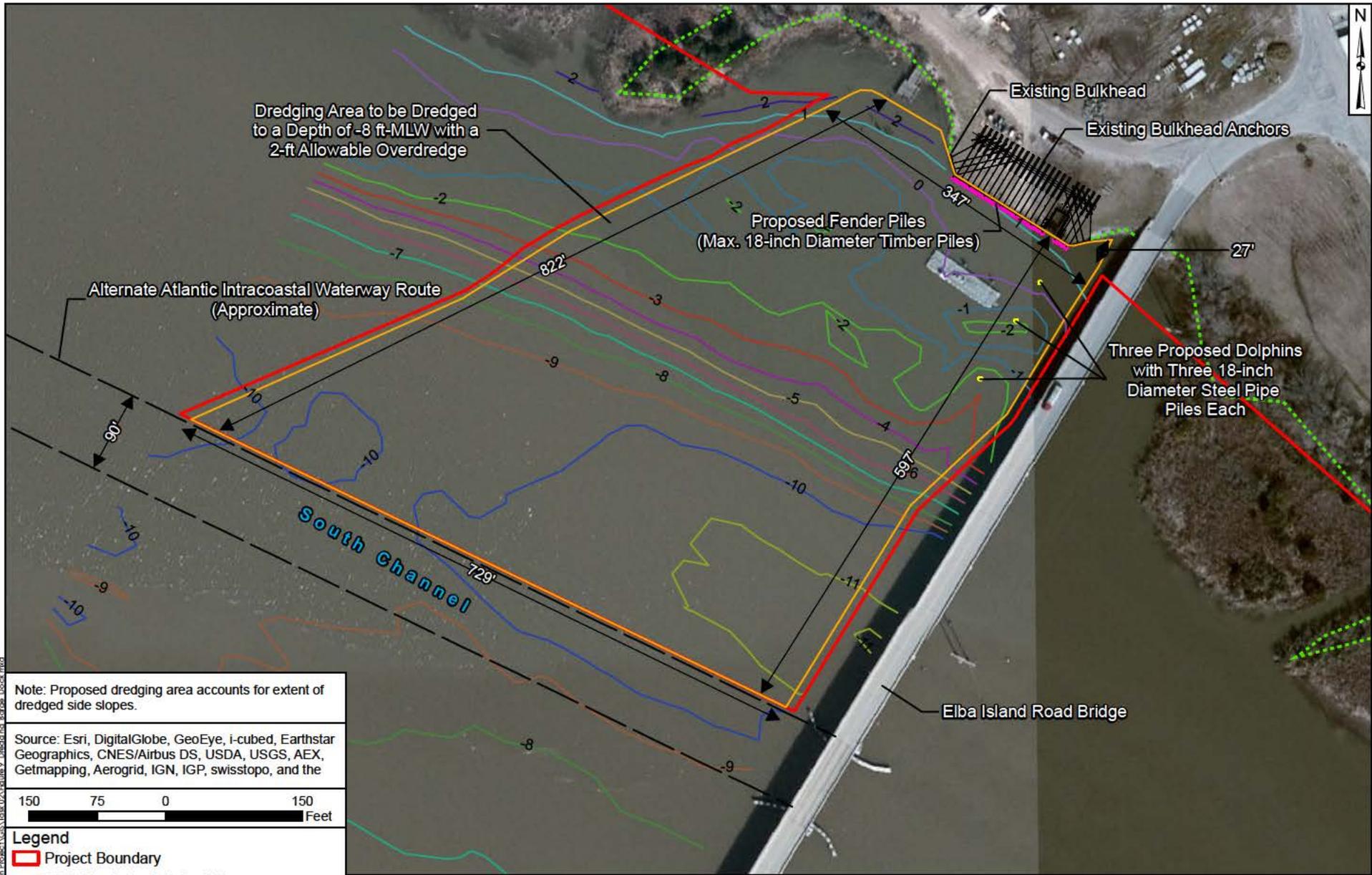
TERMINAL SECURITY POST 1 EXPANSION
 PROPOSED IMPACTS
 ELBA LIQUEFACATION PROJECT
 ELBA ISLAND, GA



Kennesaw, Georgia

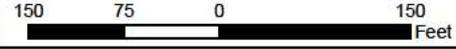
MARCH 2014

Figure
 8C



Note: Proposed dredging area accounts for extent of dredged side slopes.

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the



- Legend**
- Project Boundary
 - CRD Marsh Jurisdiction Line
 - Proposed Dredging Area
 - AAIW (Approximate)
 - Proposed Dolphin Piles
 - Proposed Fender Piles

Geosyntec
consultants

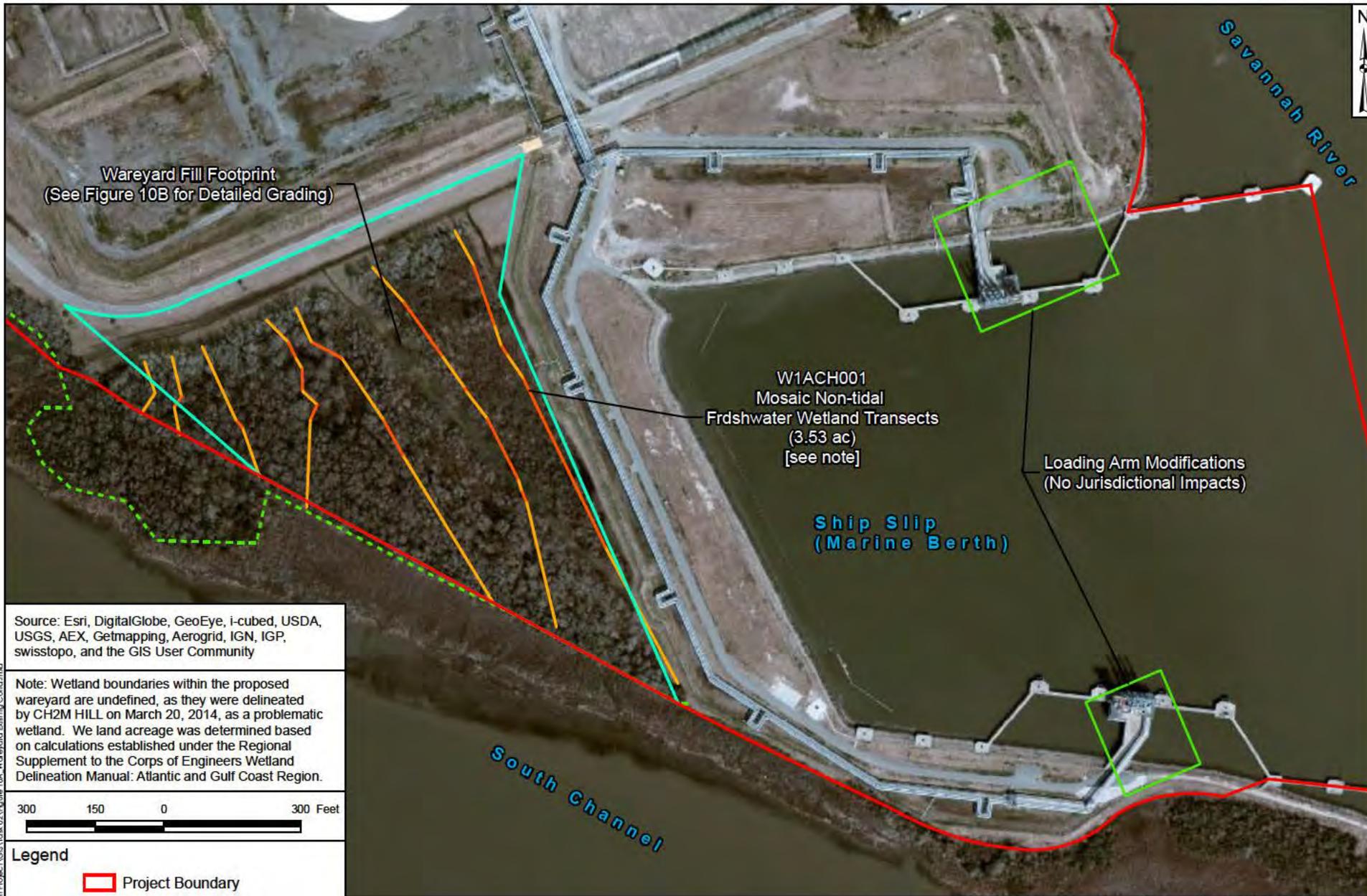
Atlanta, Georgia

June 2014

South Channel Barge Dock
Proposed Dredging Area with Existing Bathymetry
Elba Liquefaction Project
Elba Island, Georgia

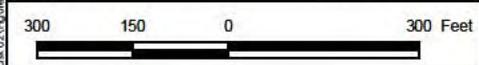
Figure
9

Path: N:\12180 - Elba Liquefaction on Project\GIS\Task 02\Figure 9_Dredging Area.dwg



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Note: Wetland boundaries within the proposed wareyard are undefined, as they were delineated by CH2M HILL on March 20, 2014, as a problematic wetland. We land acreage was determined based on calculations established under the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coast Region.



Legend	
	Project Boundary
	CRD Marsh Jurisdiction Line
	Ship Loading Modifications
	Wareyard Facility
	Upland Segment
	Wetland Segment

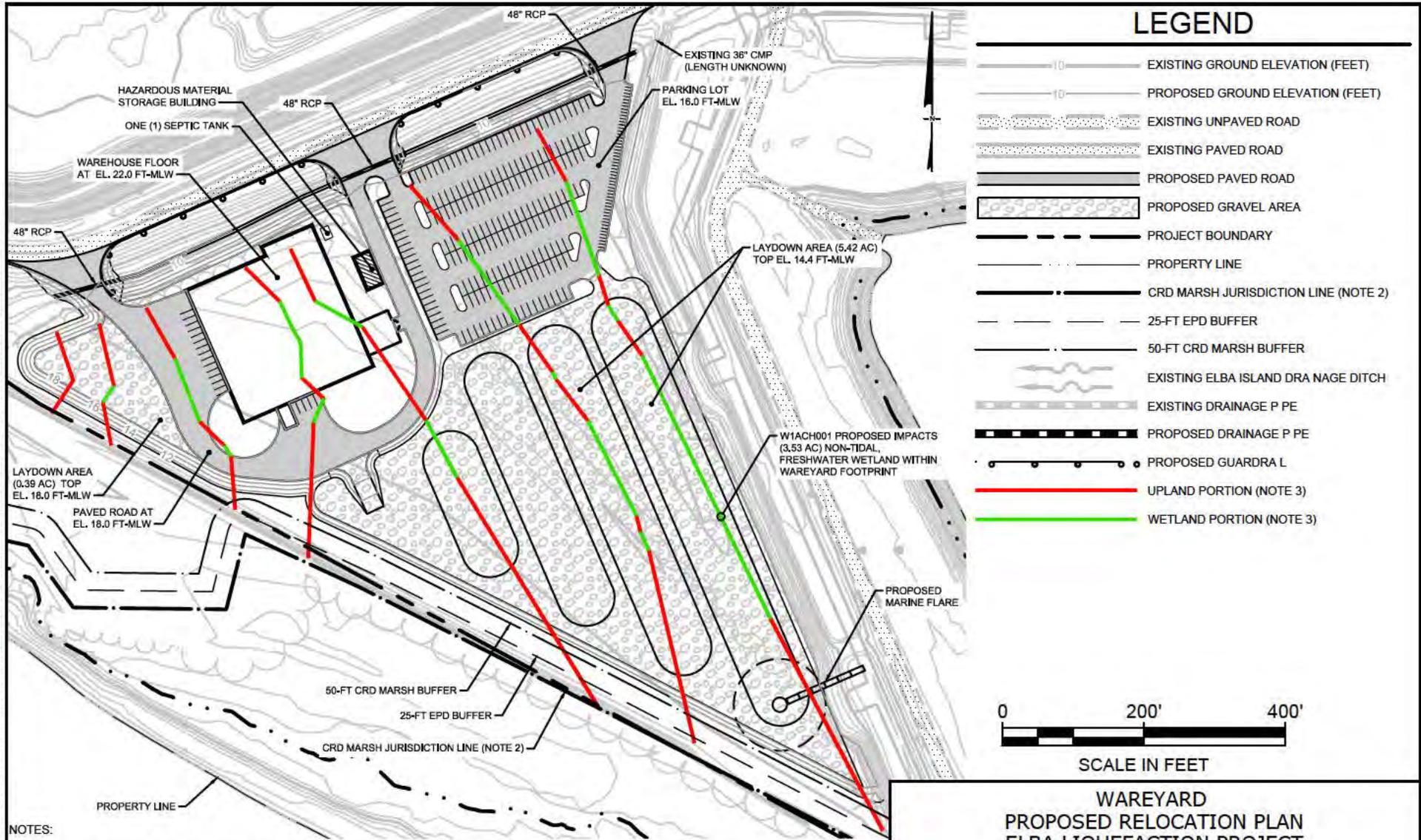
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Atlanta, Georgia	March 2014
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**Wareyard and Marine Berth
Existing Conditions**
Elba Liquefaction Project
Elba Island, Georgia

Figure
10A

Path: N:\121897 - Elba Liquefaction on Project\GIS\Task 02\Figure 10A - Wareyard Existing Cond.mxd



NOTES:

1. THE WAREHOUSE BUILDING, PARKING LOT, AND PROPOSED LAYDOWN AREA LOCATIONS WERE DEVELOPED PRIMARILY FROM THE "ELBA ISLAND LNF FACILITY WAREHOUSE, PARKING LOT AND TEMP. LAY-DOWN AREA" PLAN PREPARED BY CB&I ON 18 FEBRUARY 2014. THE SLOPES PRESENTED IN THE PRELIMINARY CONCEPTUAL GRADING PLAN WERE PREPARED BASED ON SOUND ENGINEERING PRACTICE AND CONSERVATIVE ASSUMPTIONS. NO GEOTECHNICAL INVESTIGATION OR ANALYSES WERE PERFORMED TO SUPPORT THE SLOPES PRESENTED IN THIS PRELIMINARY CONCEPTUAL GRADING PLAN.
2. THE COASTAL RESOURCES DIVISION (CRD) JURISDICTION LINE SHOWN ON THIS DRAWING WAS DELINEATED BY THE COASTAL RESOURCES DIVISION OF GEORGIA DIVISION OF NATURAL RESOURCES (DNR) ON 4 FEBRUARY 2014. THE DELINEATION DATA WAS PROVIDED IN THE "MARSHLINE EXHIBIT OF THE SOUTHERN MARSHLINE OF ELBA ISLAND" DRAWING SET PREPARED BY EMC ENGINEERING SERVICES ON 28 FEBRUARY 2014.
3. THE POSITION OF THE WETLAND AND UPLAND PORTIONS SHOWN ON THIS DRAWING WERE COLLECTED FROM THE "FIGURE 2, PROPOSED WAREYARD SURVEY TRANSECTS" PREPARED BY CH2MHILL ON 3 MARCH 2014.



Kennesaw, Georgia

MARCH 2014

Figure
10B



Proposed Upland 50-ft Mitigation Area Buffer (0.52 ac)

Proposed Tidal Marsh Mitigation Area (0.29 ac)

South Channel

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Legend	
	DMCA 2 Expansion Footprint
	Mitigation Area 50-ft Upland Buffer (0.52 ac)
	Tidal Marsh Mitigation Area (0.29 ac)
	Project Boundary
	CRD Marsh Jurisdiction Line
	Liquefaction Process Flare System

Geosyntec
consultants

Atlanta, Georgia

March 2014

Proposed Tidal Marsh Mitigation Area

Elba Liquefaction Project
Elba Island, Georgia

Figure

11

Path: N:\12189 - Elba Liquefaction on Project\GIS\Task 02\Figure 11_Elba Liquefaction on Project Proposed Mitigation Area.mxd