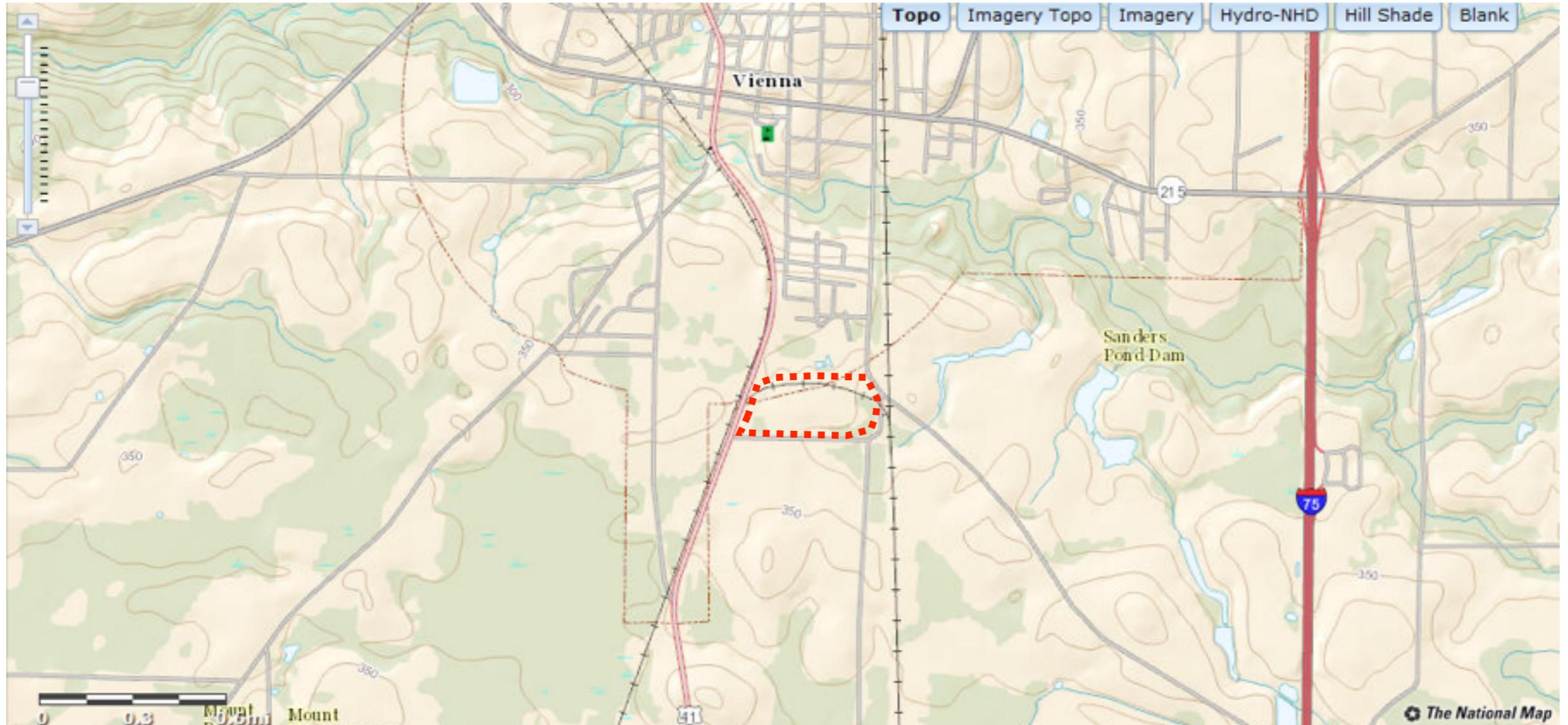


FIGURES 1abc

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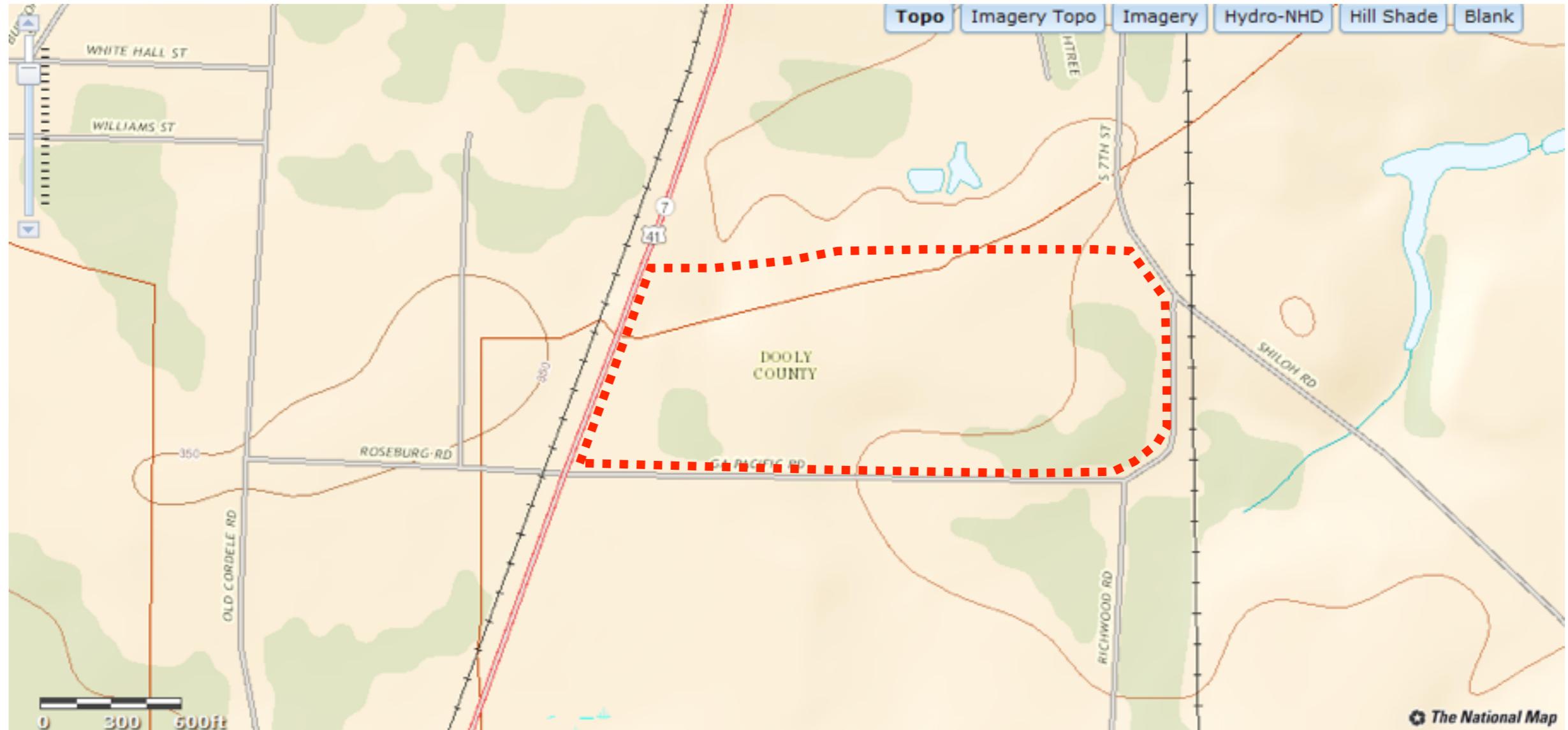
Project Location - Vienna, GA



ENSYN GEORGIA BIOREFINERY PROJECT
551 ROSEBURG ROAD
VIENNA, GEORGIA 31092

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Project Location - Vienna, GA



ENSYN GEORGIA BIOREFINERY PROJECT
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Topographic Map of Site Location

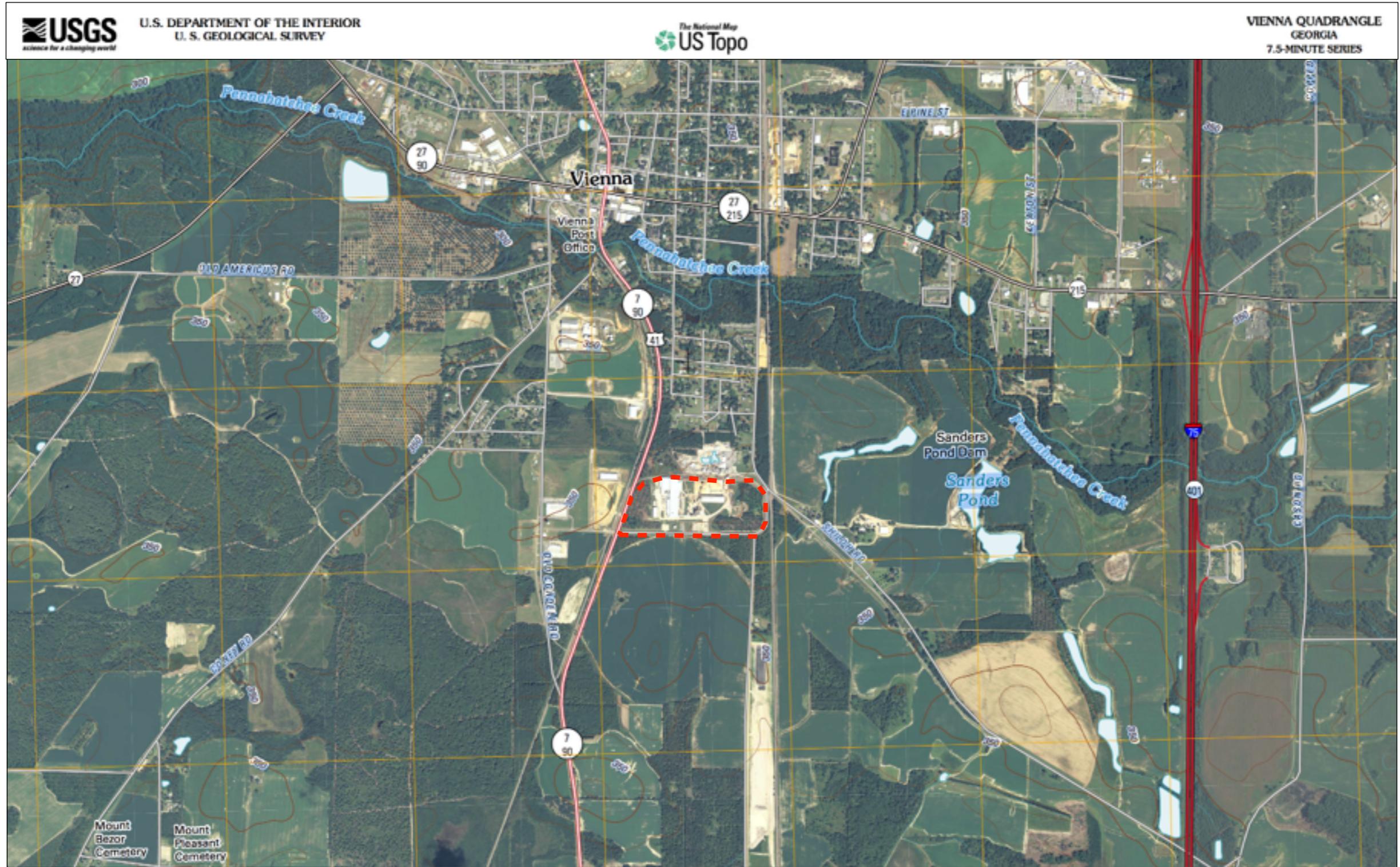


FIGURE 2

Maximum Boundary of Disturbance

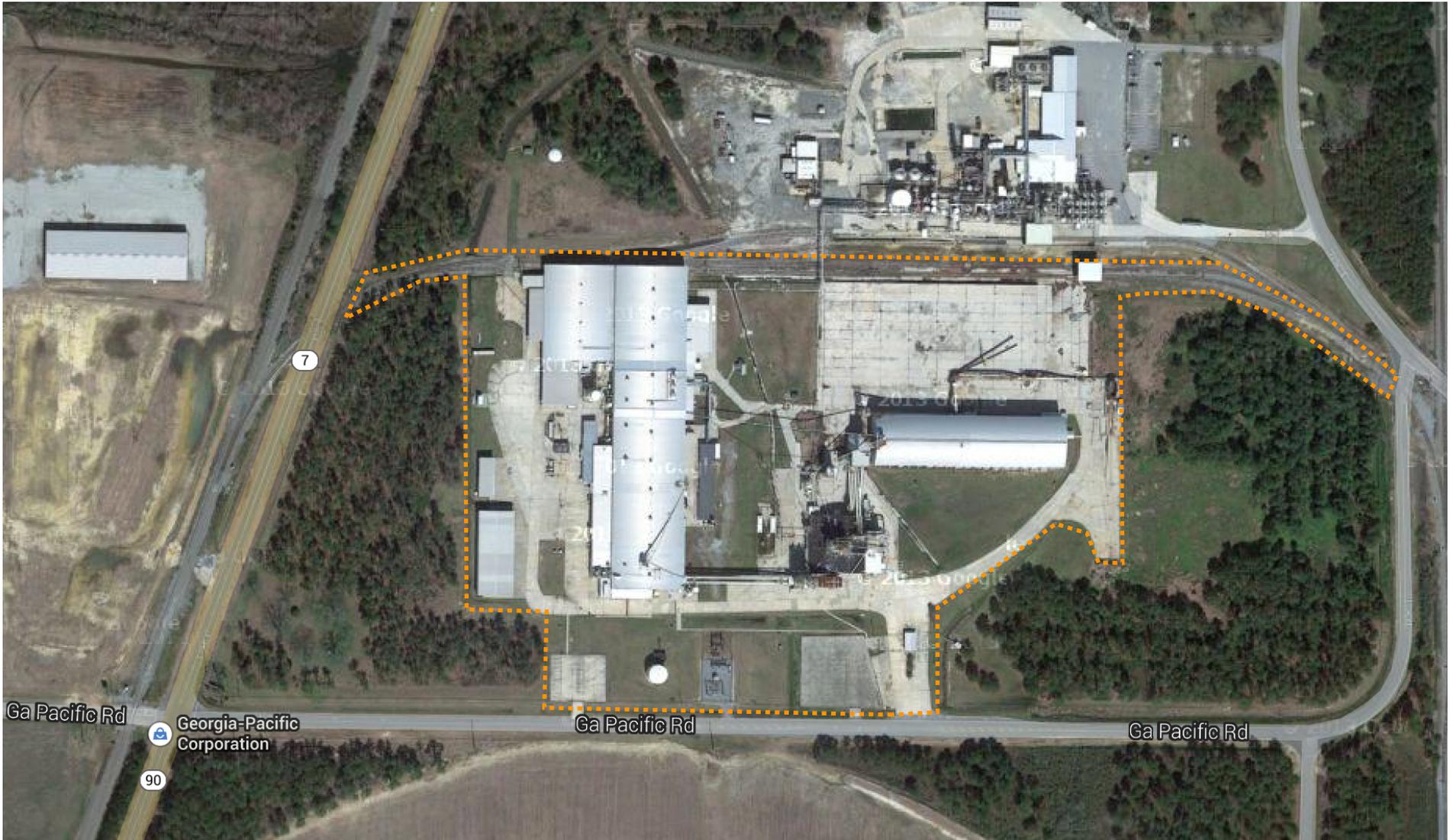
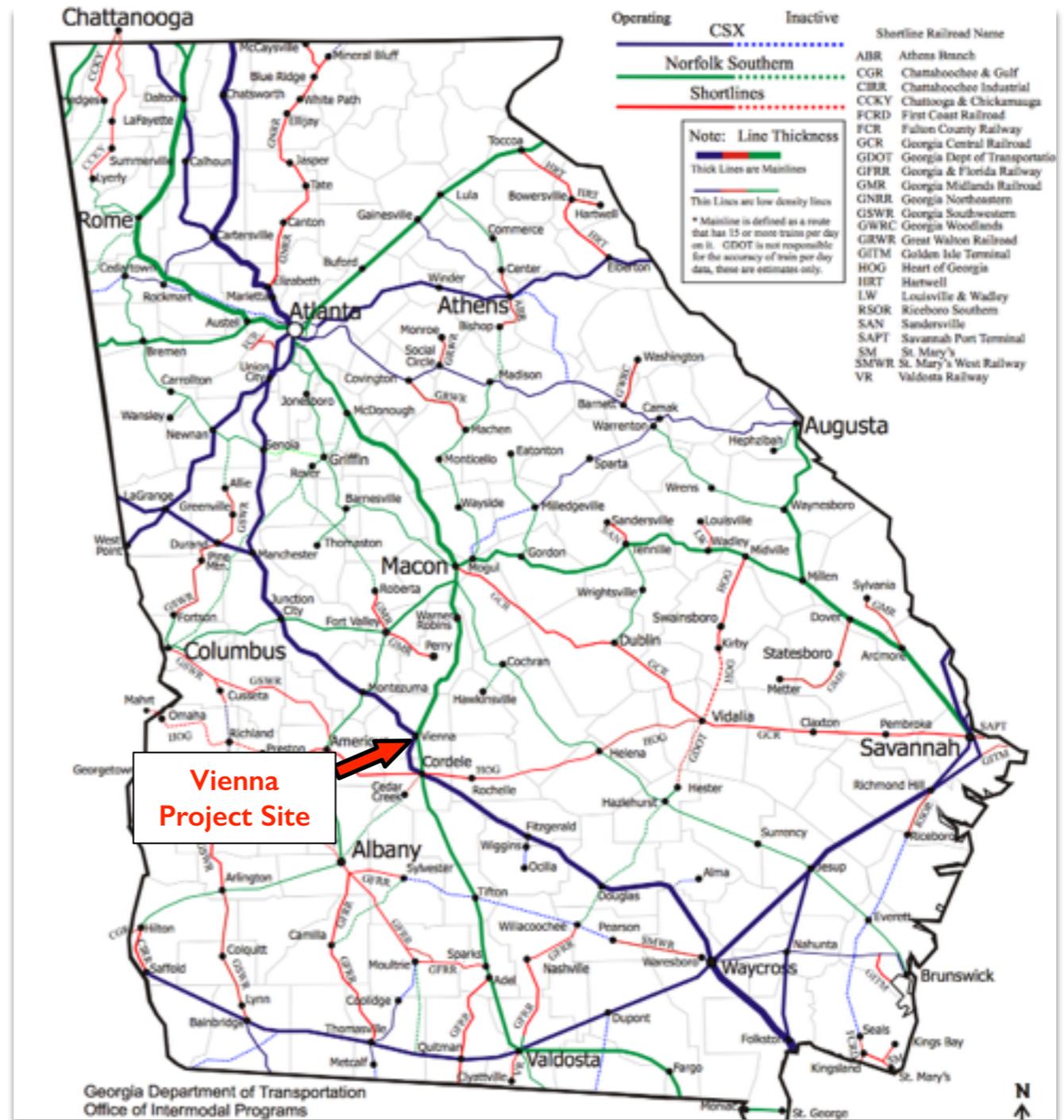


FIGURE 3

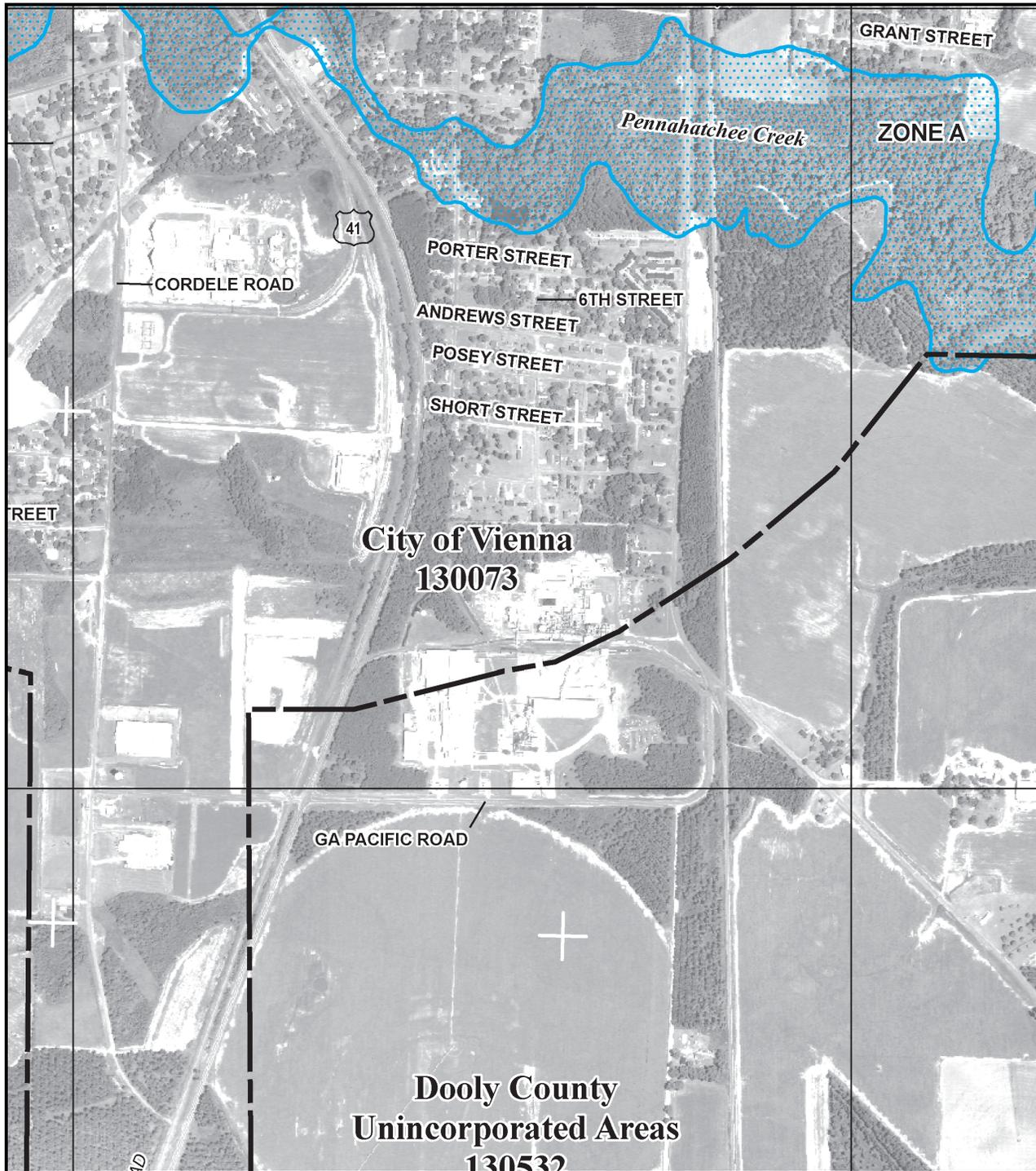
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The Vienna Mill - A Strategic Location

- The Vienna Mill is located 130 miles south of Atlanta along State Highway 41 on the southern Vienna, GA city limits.
- The location provides excellent rail and road access and allows flexibility in transport of RFO to market in the Gulf Coast refining region.
- The mill site was originally selected in the 1970's partially due to its strategic location in relation to rail transport. The Vienna Mill property is bounded by two major rail lines and spurs from both lines enter the property directly.
- The CSX Line bounds the West side of the property. The line is one of the largest in the State and 63MM tons of gross freight pass by the Vienna mill every year.
- The Norfolk Southern line bounds the East side of the property. The line is mid-sized and carries 30MM tons of freight a year past the Vienna mill.



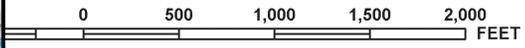
FIGURES 4A AND 4B



Program at 1-800-638-6620.



MAP SCALE 1" = 1000'



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0310D

FIRM
FLOOD INSURANCE RATE MAP
DOOLY COUNTY,
GEORGIA
AND INCORPORATED AREAS

PANEL 310 OF 375
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DOOLY COUNTY	130532	0310	D
VIENNA, CITY OF	130073	0310	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
13093C0310D
EFFECTIVE DATE
SEPTEMBER 11, 2009

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

LEGEND



SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

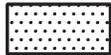
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.



FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.



OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.



OTHER AREAS

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.



e Program at 1-800-638-6620.



MAP SCALE 1" = 1000'

0 500 1,000 1,500 2,000 FEET

NFIP

PANEL 0310D

FIRM

**FLOOD INSURANCE RATE MAP
DOOLY COUNTY,
GEORGIA
AND INCORPORATED AREAS**

PANEL 310 OF 375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
DOOLY COUNTY	130532	0310	D
VIENNA, CITY OF	130073	0310	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER
13093C0310D**

**EFFECTIVE DATE
SEPTEMBER 11, 2009**

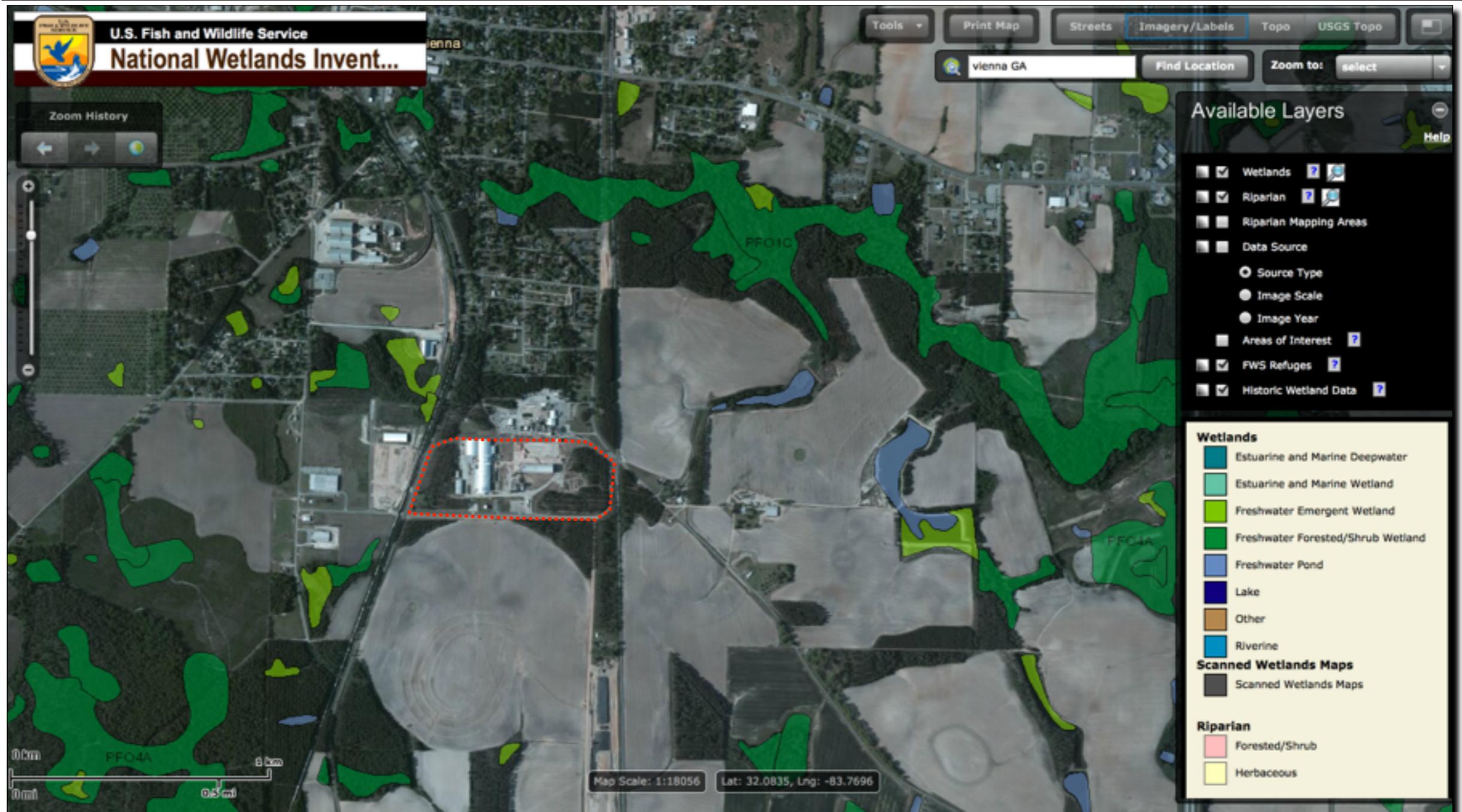
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

FIGURE 5

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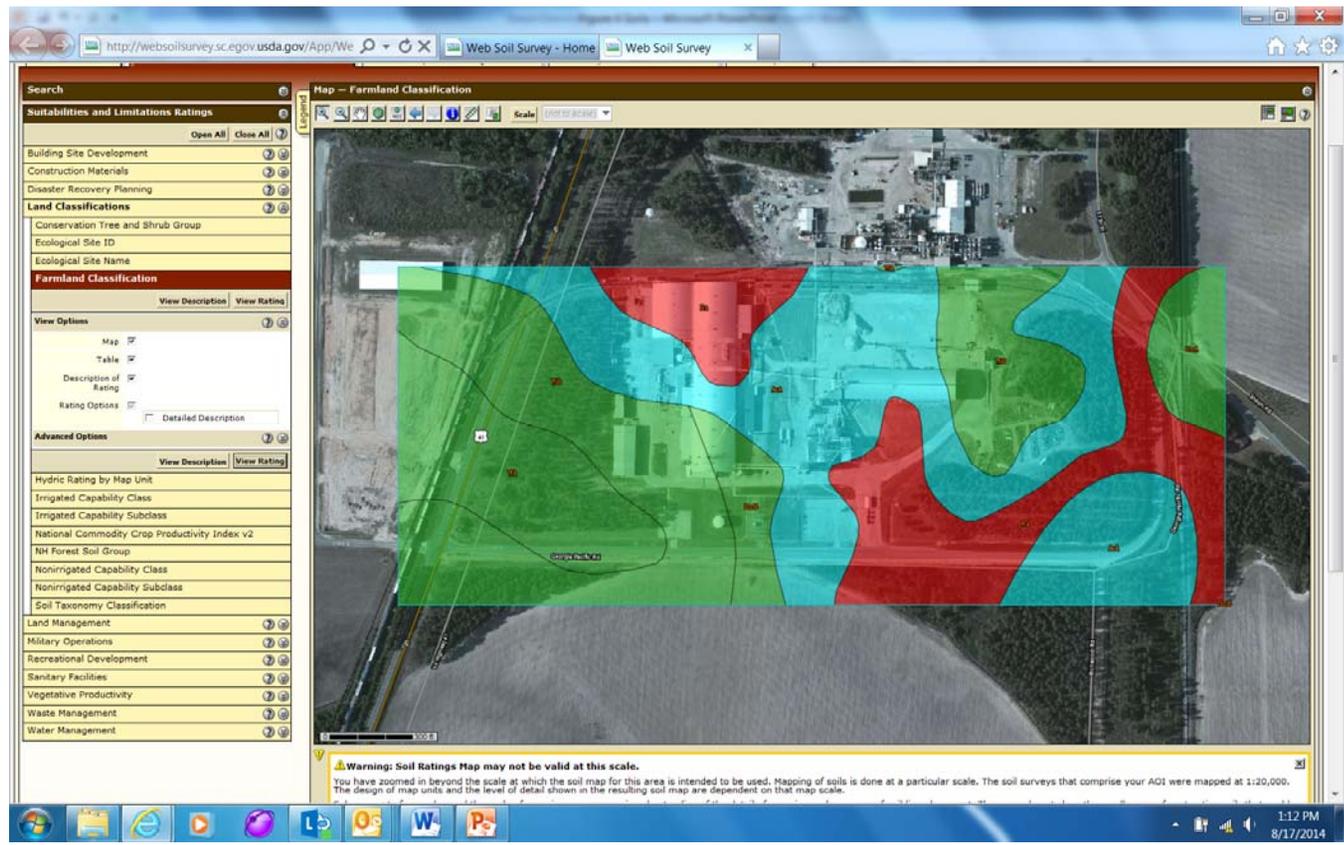
Wetlands



<http://www.fws.gov/wetlands/Wetlands-Mapper.html>

According to the FWS National Wetlands Inventory, the Vienna Mill site does not sit within the Wetlands (see table above for types of Wetlands)

FIGURES 6A AND 6B

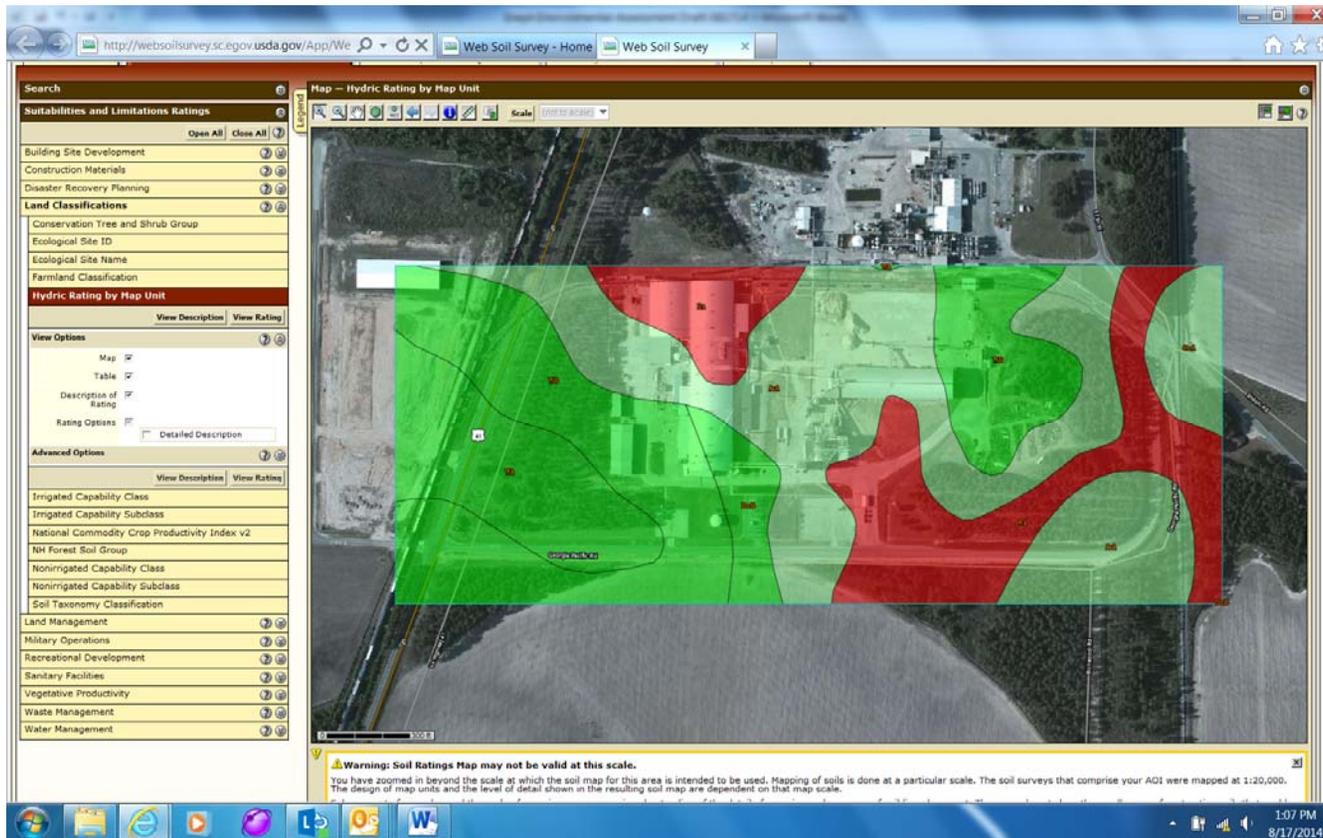


Tables — Farmland Classification — Summary By Map Unit

Summary by Map Unit — Dooly and Macon Counties, Georgia (GA634)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ArA	Ardilla loamy sand, 0 to 2 percent slopes	Farmland of statewide importance	28.6	34.4%
CnA	Clarendon sandy loam	All areas are prime farmland	3.1	3.7%
DoB	Dothan loamy sand, 2 to 5 percent slopes	All areas are prime farmland	2.7	3.3%
Ra	Rains sandy loam	Not prime farmland	16.9	20.3%
TfA	Tifton loamy sand, 0 to 2 percent slopes	All areas are prime farmland	9.2	11.1%
TfB	Tifton loamy sand, 2 to 5 percent slopes	All areas are prime farmland	22.7	27.3%
Totals for Area of Interest			83.2	100.0%

Figure 6a. Vienna Georgia, Enslyn Site Map Soil Survey Farmland Classifications



Tables — Hydric Rating by Map Unit — Summary By Map Unit

Summary by Map Unit — Dooly and Macon Counties, Georgia (GA634)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ArA	Ardilla loamy sand, 0 to 2 percent slopes	5	28.6	34.4%
CnA	Clarendon sandy loam	5	3.1	3.7%
DoB	Dothan loamy sand, 2 to 5 percent slopes	0	2.7	3.3%
Ra	Rains sandy loam	100	16.9	20.3%
TfA	Tifton loamy sand, 0 to 2 percent slopes	0	9.2	11.1%
TfB	Tifton loamy sand, 2 to 5 percent slopes	0	22.7	27.3%
Totals for Area of Interest			83.2	100.0%

Figure 6b. Vienna Georgia, Ensyn Site Map Soil Survey Hydric Soil Ratings

FIGURE 7

Preliminary RTP20 Plant Layout

Roseburg Forest Products, Vienna, GA

