We are requesting that Lowndes County grant and approve a Special Use Permit:

Southern Linc is the cellular communications system provider for Southern Company and is presently developing a wireless 4G LTE broadband telecommunications system state wide in Georgia. Georgia Power Company, one of Southern Company's operating electric utility companies is funding the development of the new 4G LTE technology.

There are no existing towers within 2 miles of our proposed coverage target coordinates and our proposed 300' cell tower. The proposed 300' cell tower will be designed to accommodate four (4) full service Tier One telecommunications carriers along with required microwave dishes.

During initial site property research, we investigated the proposed RF target area for local government owned property, public owned facilities, existing towers and other preferred site locations. There were none. The existing Lowndes County Tower, across the Highway, is not structurally stout enough to accommodate Southern Linc's proposed antennas and microwave dishes. To meet our coverage objectives, Shelton Forest, LLC's property was selected as a candidate and approved by Southern Linc RF Engineers.

The proposed cell site construction, if approved, should take only 4 to 6 weeks with heavy construction equipment traffic, and after that quarterly maintenance will be scheduled by Southern Linc site technicians.

Before securing a Building Permit, Southern Linc will provide Lowndes County a Certified Georgia PE signed and sealed Tower and Foundation (T&F) tower design document. This T&F tower design drawing and material will identify the anticipated capacity of the proposed telecommunications cell tower facility, along with number and types of antenna, coaxial cable which the proposed tower loading will accommodate.

The T&F design report will clearly demonstrate the structural integrity wind loading requirements and structural future characteristics of our proposed 300' guyed cell tower.

Respectfully Submitted,

H. Buddy Robinson, Jr. SR/WA
President
Value Concepts, Inc.

TWR-2019-01

WRPDO Site Map

Legend

- Roads
- Railroads
- Park
- City Limits
- Crashzone
- Crashzone West
- Urban Service Area
- Open Water
- Valdosta Airport
- Wetlands
- 100 Yr Flood
- Hydrology
- Drastic
- Recharge Areas
- Parcels

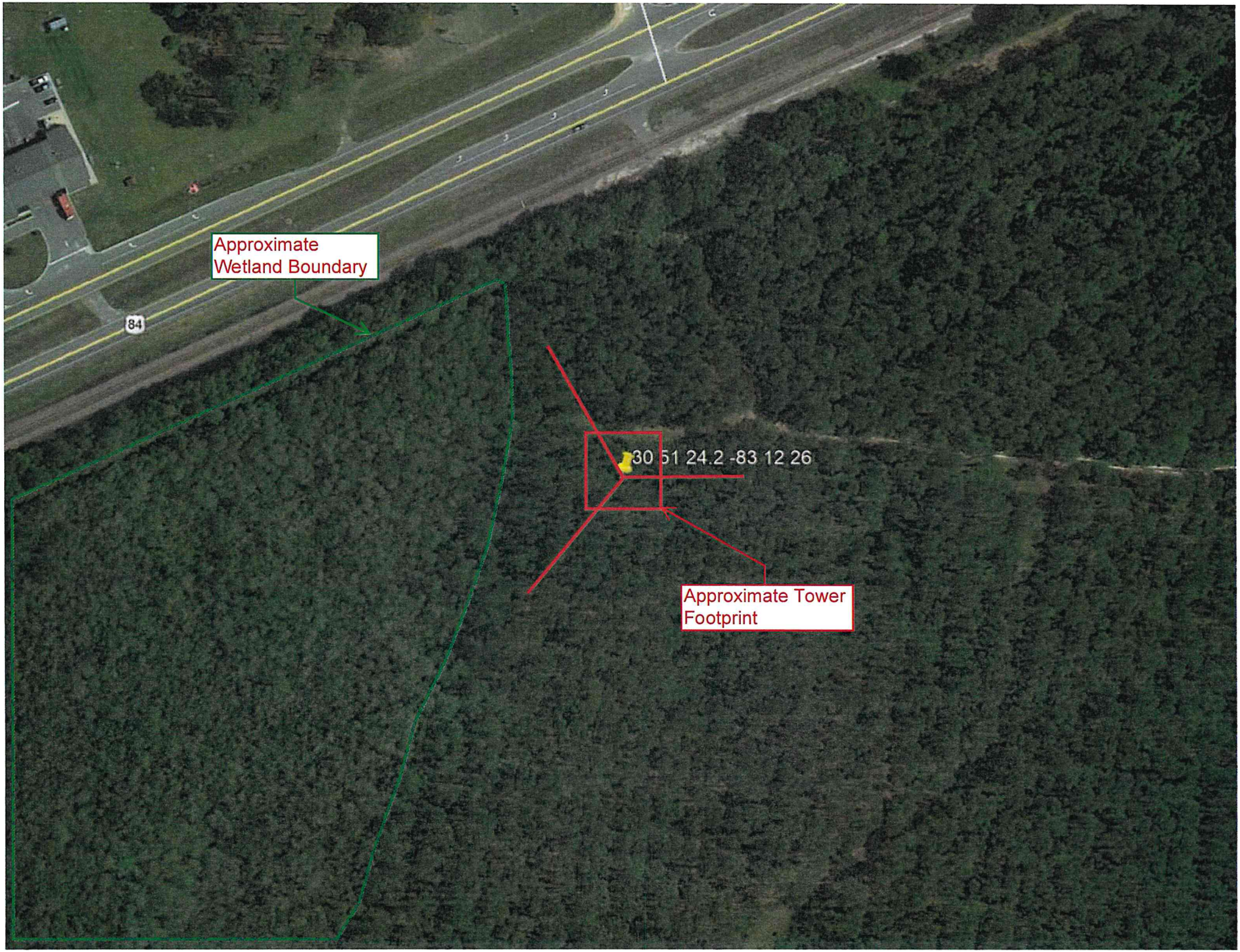
Tower Request

N
W E
S

LOWNDES COUNTY, GEORGIA
1825
BOARD of COMMISSIONERS

Feet
0 200

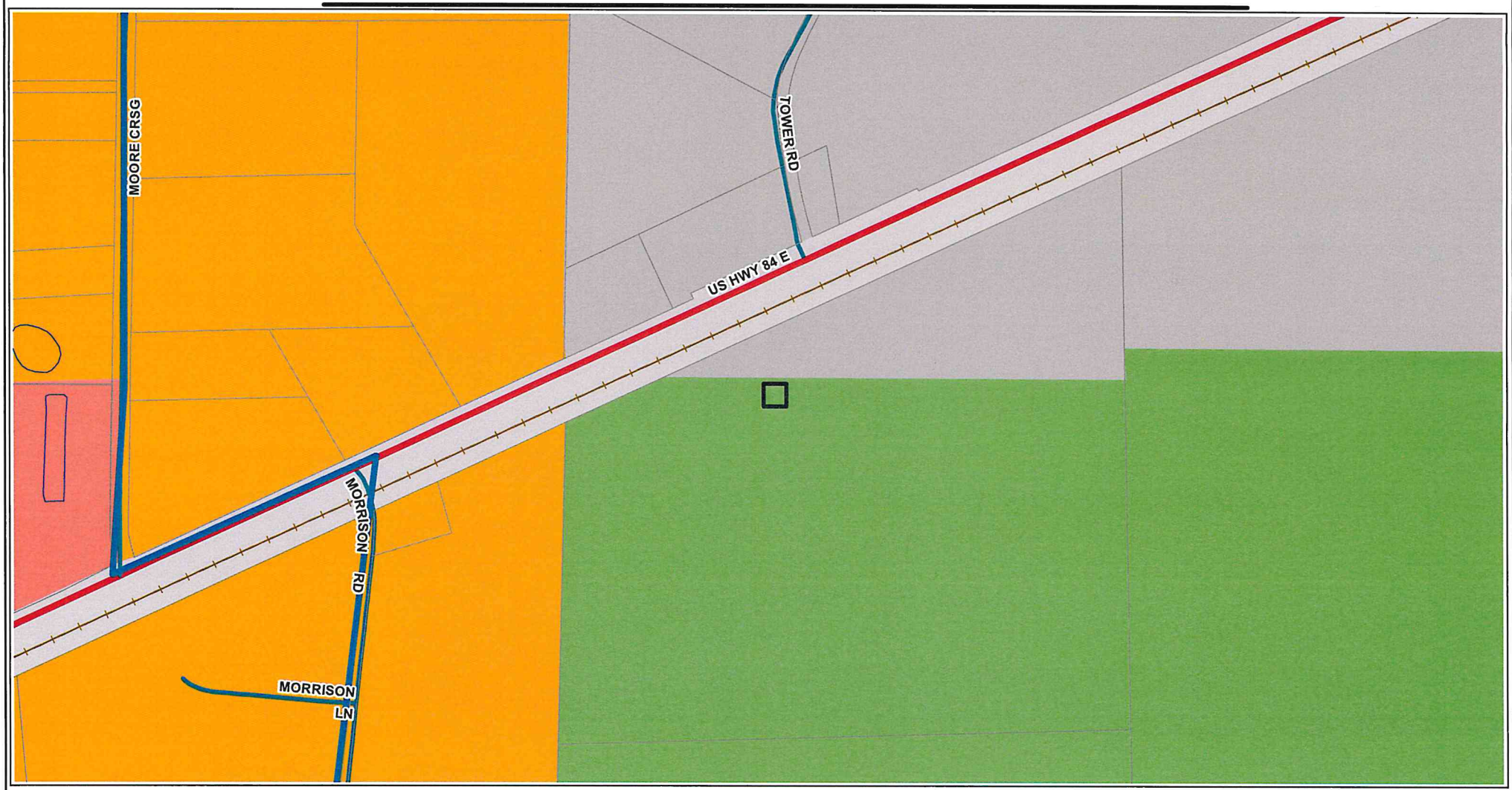
VALOR
VALDOSTA-LOWNDES REGIONAL GEOGRAPHIC INFORMATION SYSTEM
Visit VALOR on the web at: WWW.VALORGIS.COM


Approximate
Wetland Boundary
84
30 51 24.2 -83 12 26
Approximate Tower
Footprint

TWR-2019-01

Future Development Map

Tower Request



Feet
0 1,000 2,000

VALOR
Valdosta-Lowndes Regional Geographic Information System
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Lowndes County Georgia Board of Commissioners 1825

- Urban Service Area
- City Limits
- Parcels
- Railroads
- Open Water

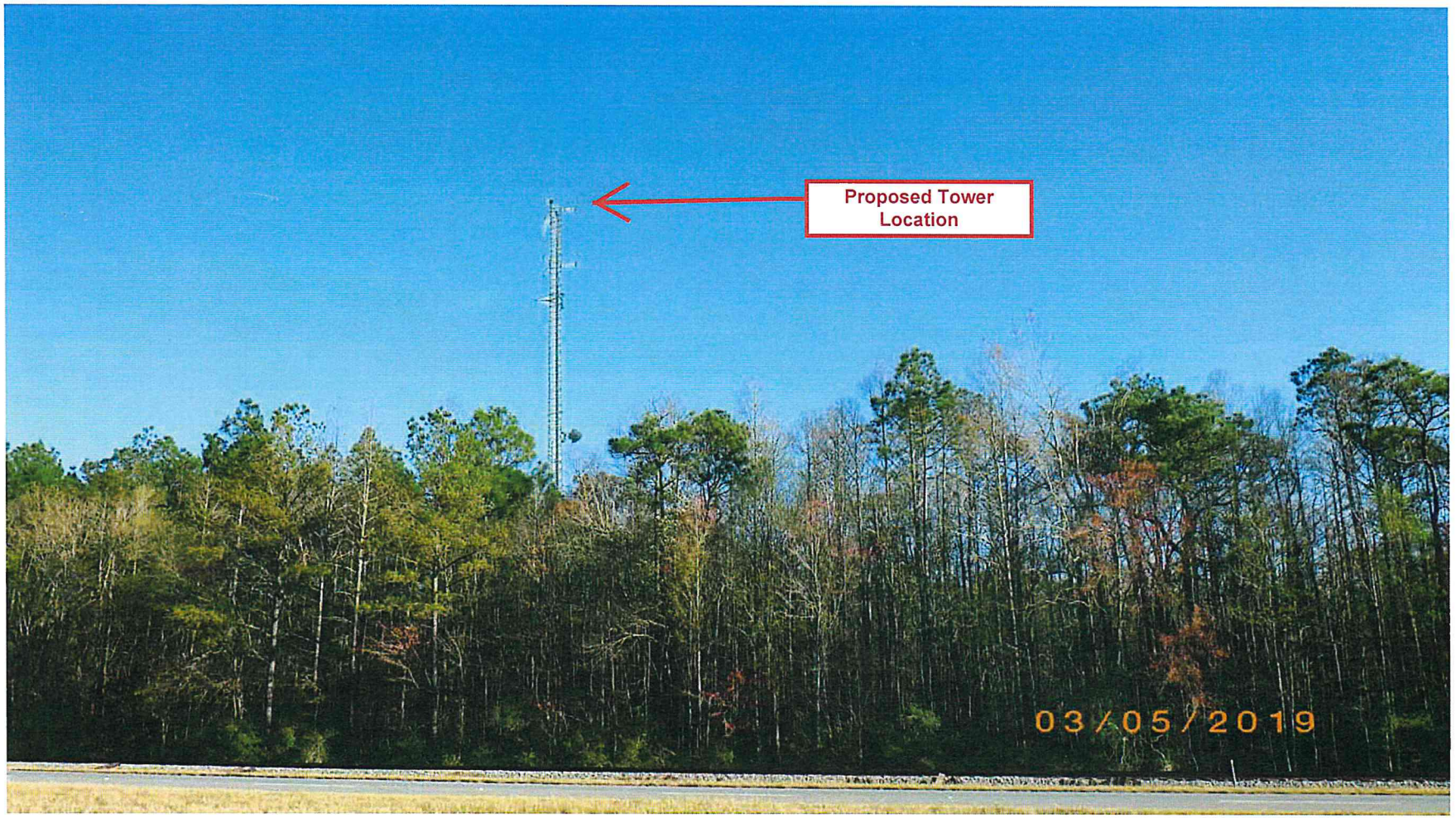
Roads

Functional Classification

- 1, INTERSTATE
- 3, OTHER PRINCIPAL ARTERIAL
- 4, MINOR ARTERIAL
- 5, MAJOR COLLECTOR
- 6, MINOR COLLECTOR
- 7, LOCAL

Character Areas

- Agriculture / Forestry
- Community Activity Center
- Downtown
- Established Residential
- Industrial Activity Center
- Industrial Area
- Institutional Activity Center
- Linear Greenspace/Trails
- Mill Town
- Neighborhood Activity Center
- Neighborhood Village
- Park/Recreation/Conservation
- Public / Institutional
- Regional Activity Center
- Rural Activity Center
- Rural Residential
- Suburban Area
- Transitional Neighborhood
- Transportation/Communication/Utilities



Southeasterly View from Photograph Location 1 Towards the Proposed Tower, Located Approximately 500 feet (150 meters) Northwest

East Valdosta (G8022)

Off US Hwy 84 E

East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 1

ECA Proj. #: V0355

Northeasterly View from Photograph Location 2 Towards the Proposed Tower, Located Approximately 2,000 feet (280 meters) Southwest

East Valdosta (G8022)

Off US Hwy 84 E

East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 2

ECA Proj. #: V0355

Easterly View from Photograph Location 3 Towards the Proposed Tower, Located Approximately 3,000 feet (910 me-ters) West

East Valdosta (G8022)

Off US Hwy 84 E

East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 3

ECA Proj. #: V0355

Northeasterly View from Photograph Location 4 Towards the Proposed Tower, Located Approximately 2,600 feet (800 meters) Southwest

East Valdosta (G8022)

Off US Hwy 84 E

East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 4

ECA Proj. #: V0355

Southwesterly View from Photograph Location 5 Towards the Proposed Tower, Located Approximately 2,100 feet (650 meters) Northeast

East Valdosta (G8022)

Off US Hwy 84 E

East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 5

ECA Proj. #: V0355

Southwesterly View from Photograph Location 6 Towards the Proposed Tower, Located Approximately 4,200 feet (1,300 meters) Northeast

East Valdosta (G8022)

Off US Hwy 84 E

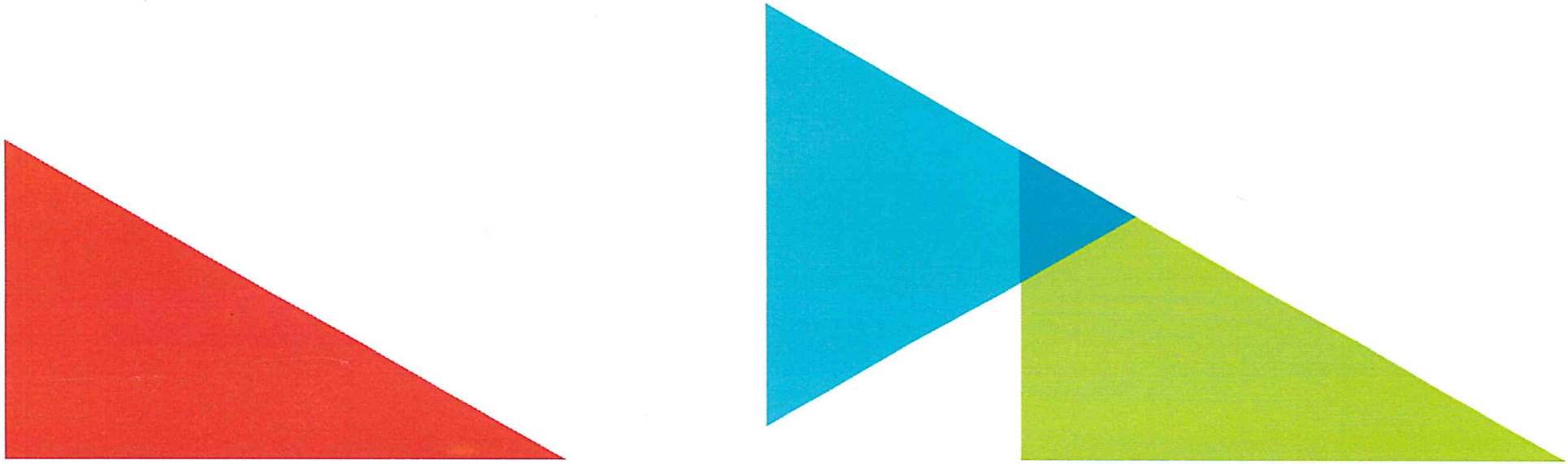
East Valdosta, Lowndes County, Georgia

Simulation of Tower from Location 6

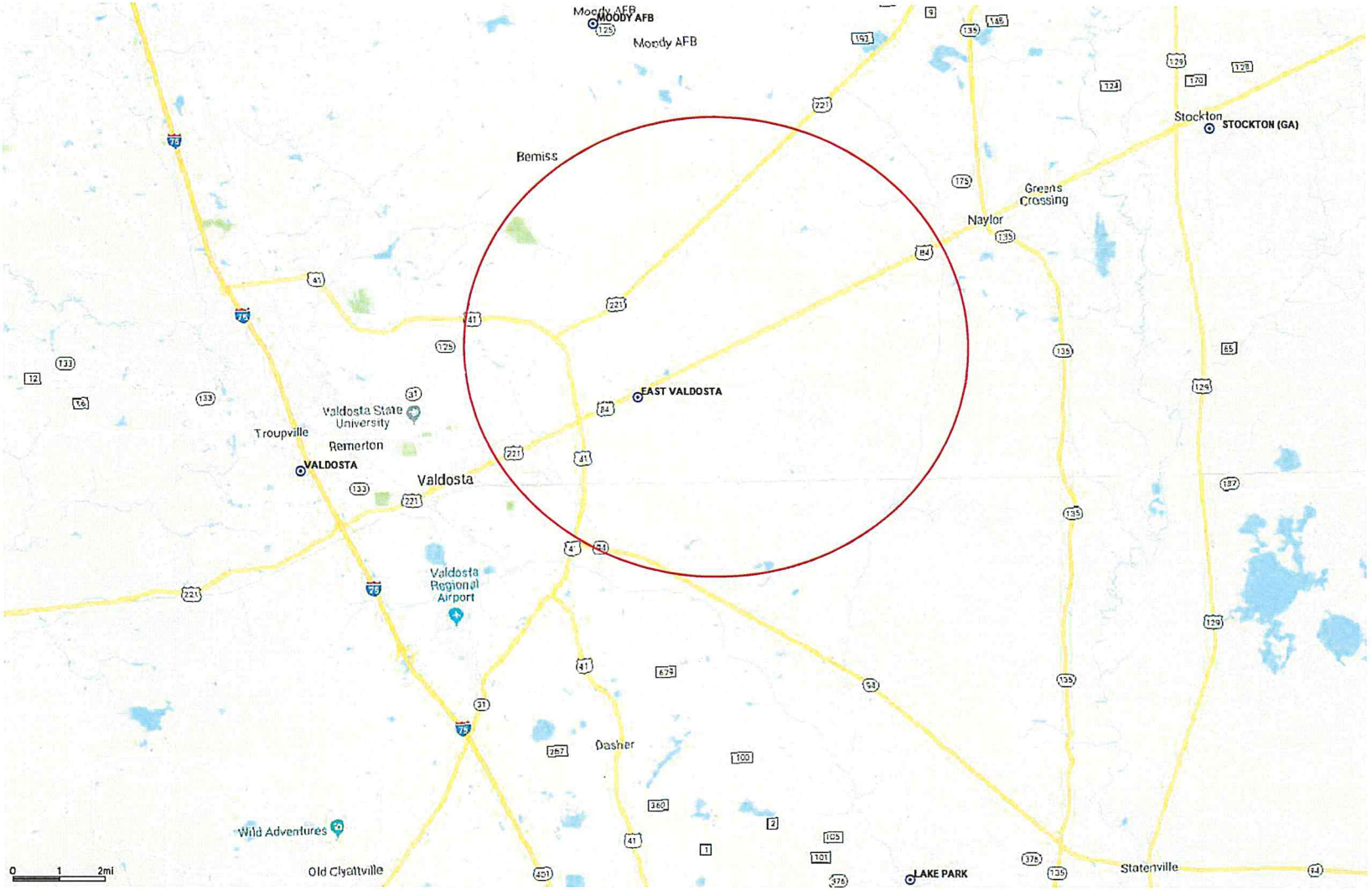
ECA Proj. #: V0355

Southern Linc

EAST VALDOSTA SITE JUSTIFICATION

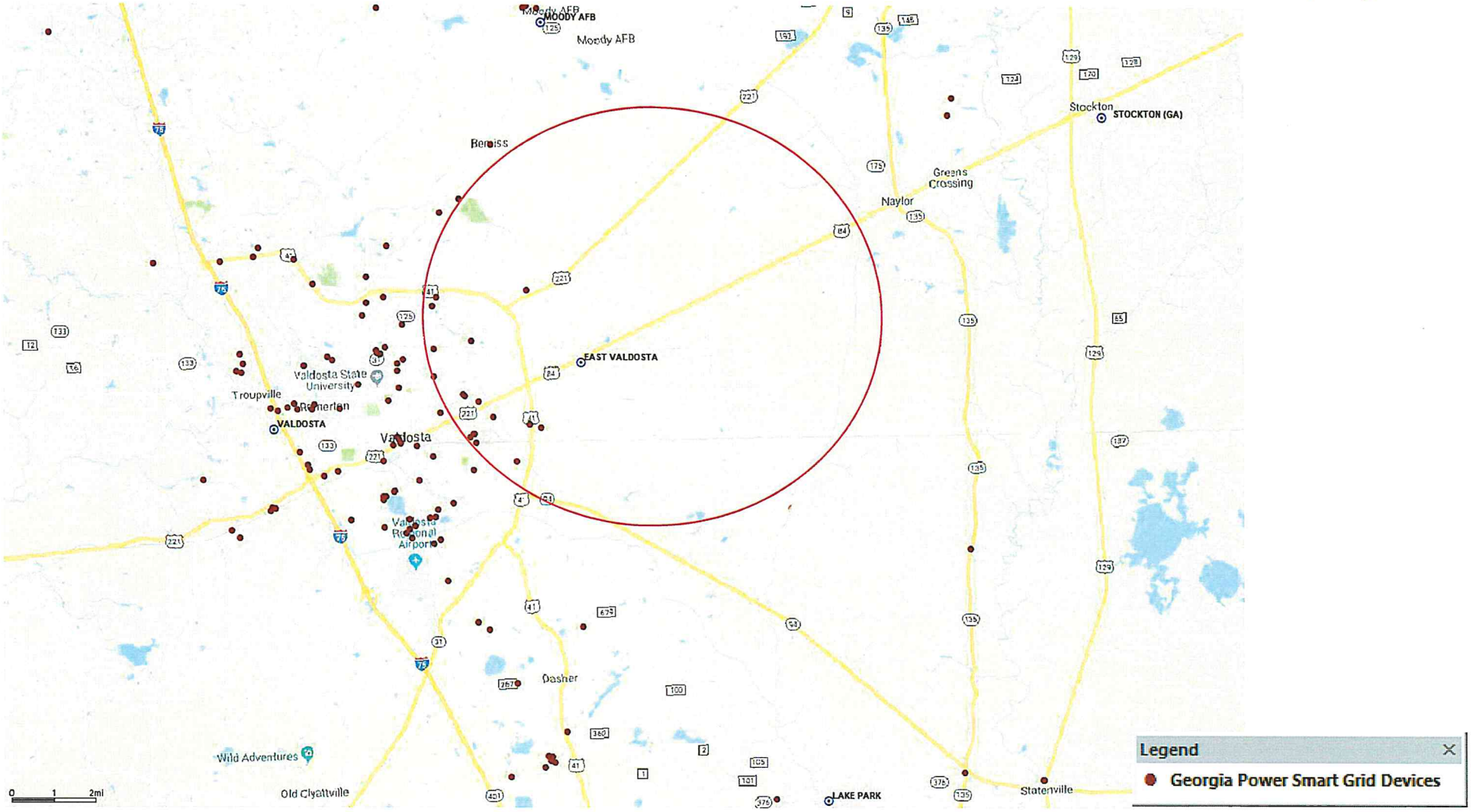


EAST VALDOSTA SITE LOCATION



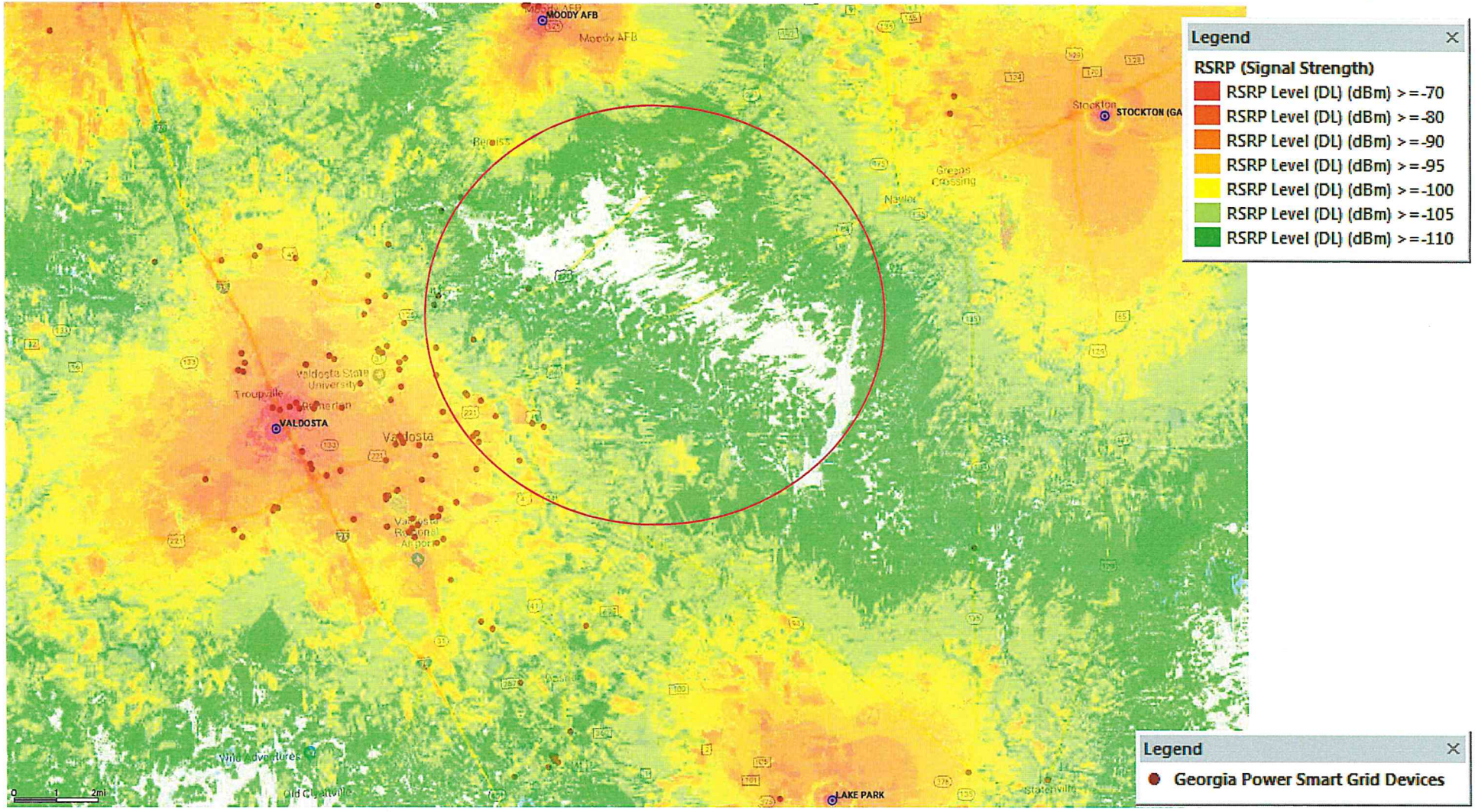
- This site is needed to provide continuous coverage on US HWY 84, US HWY 221, US HWY 41, and coverage to the surrounding area.

EAST VALDOSTA SITE LOCATION WITH GEORGIA POWER SMART GRID DEVICES



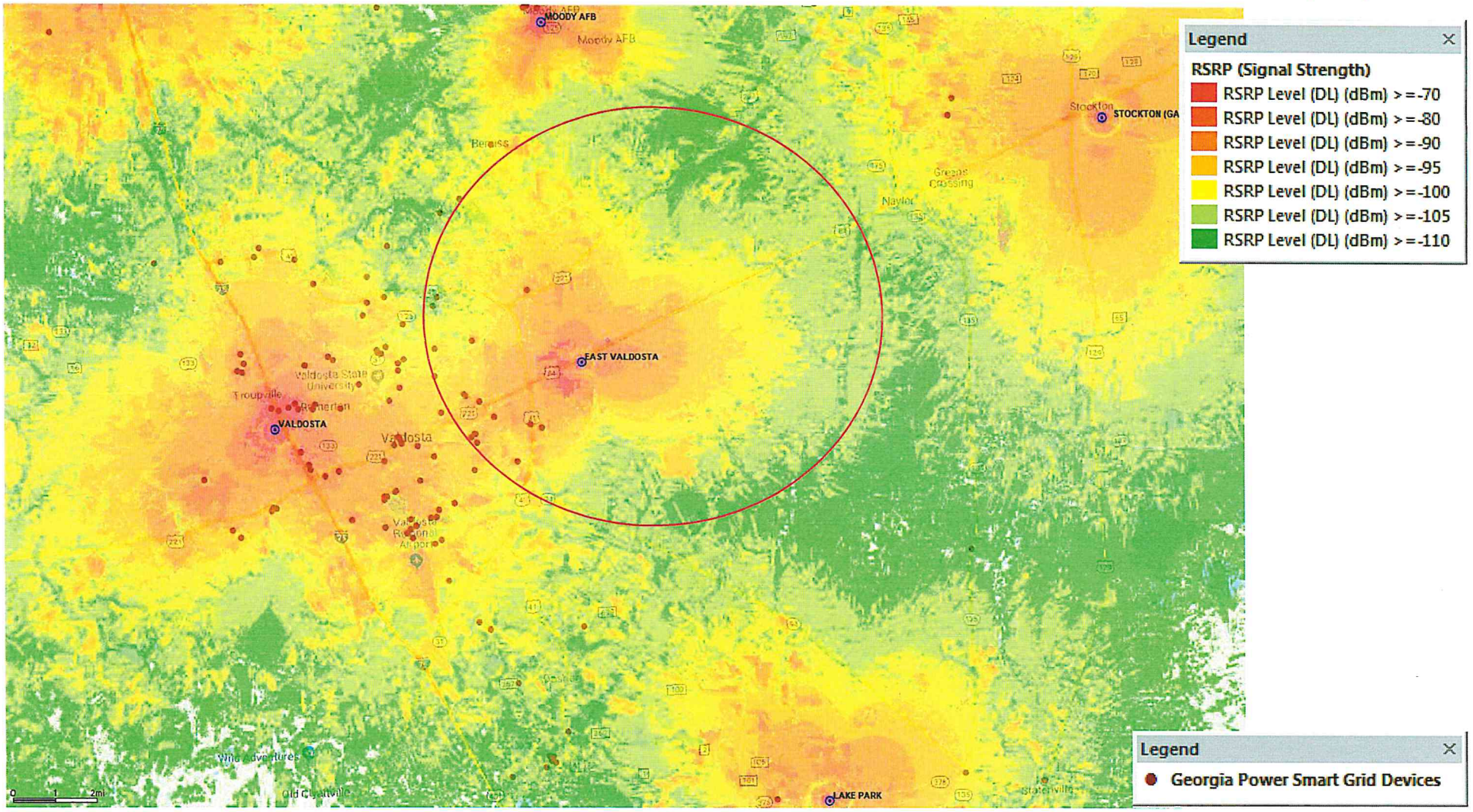
- This site is also needed to provide good coverage and throughput to the Georgia Power smart grid devices in the surrounding area.

RSRP (Signal Strength) Coverage without the East Valdosta Site



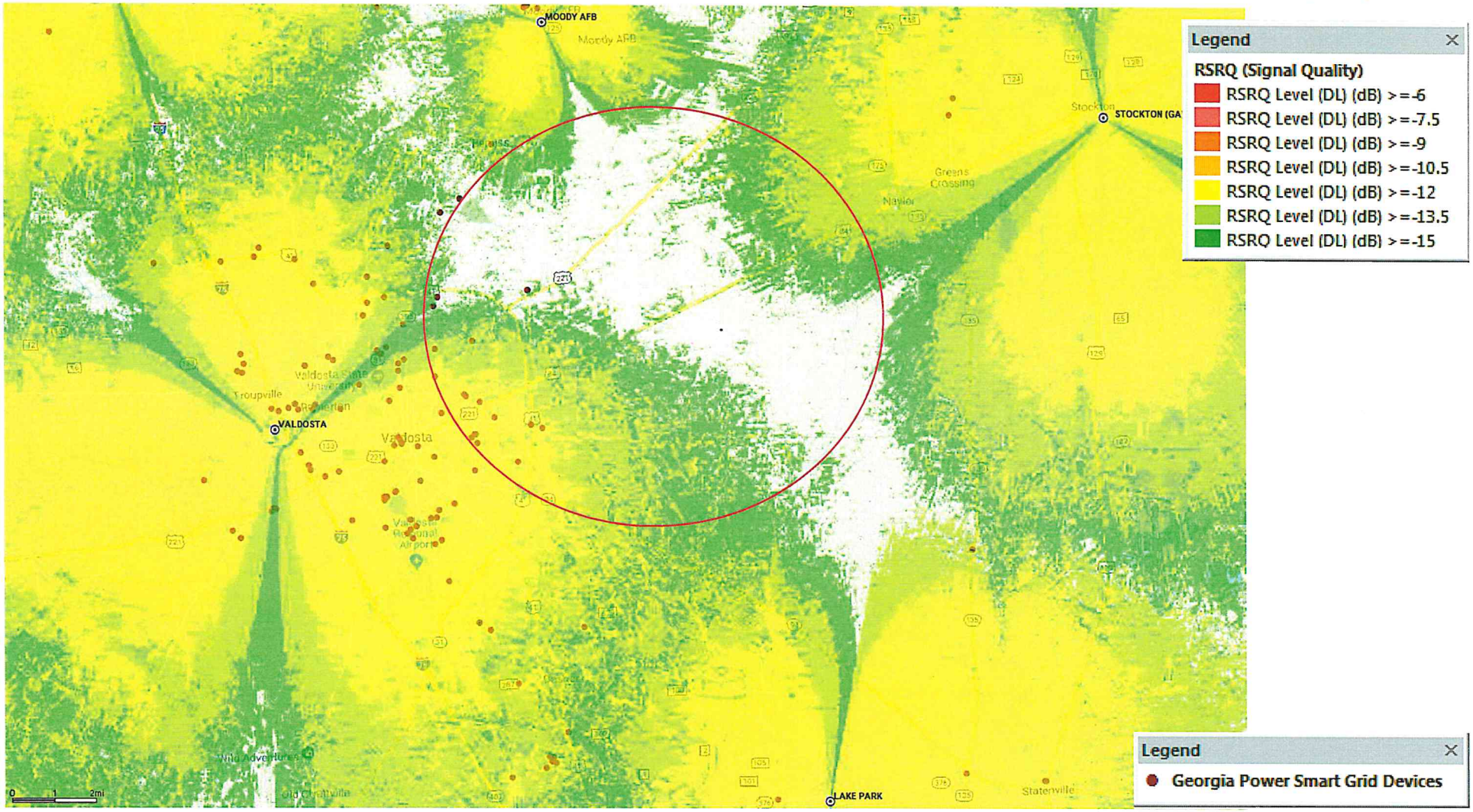
- Without the new site, the signal strength is low/poor and non-existent on US HWY 84, US HWY 221, US HWY 41, and at the Georgia Power smart grid device locations.

RSRP (Signal Strength) Coverage with the East Valdosta Site



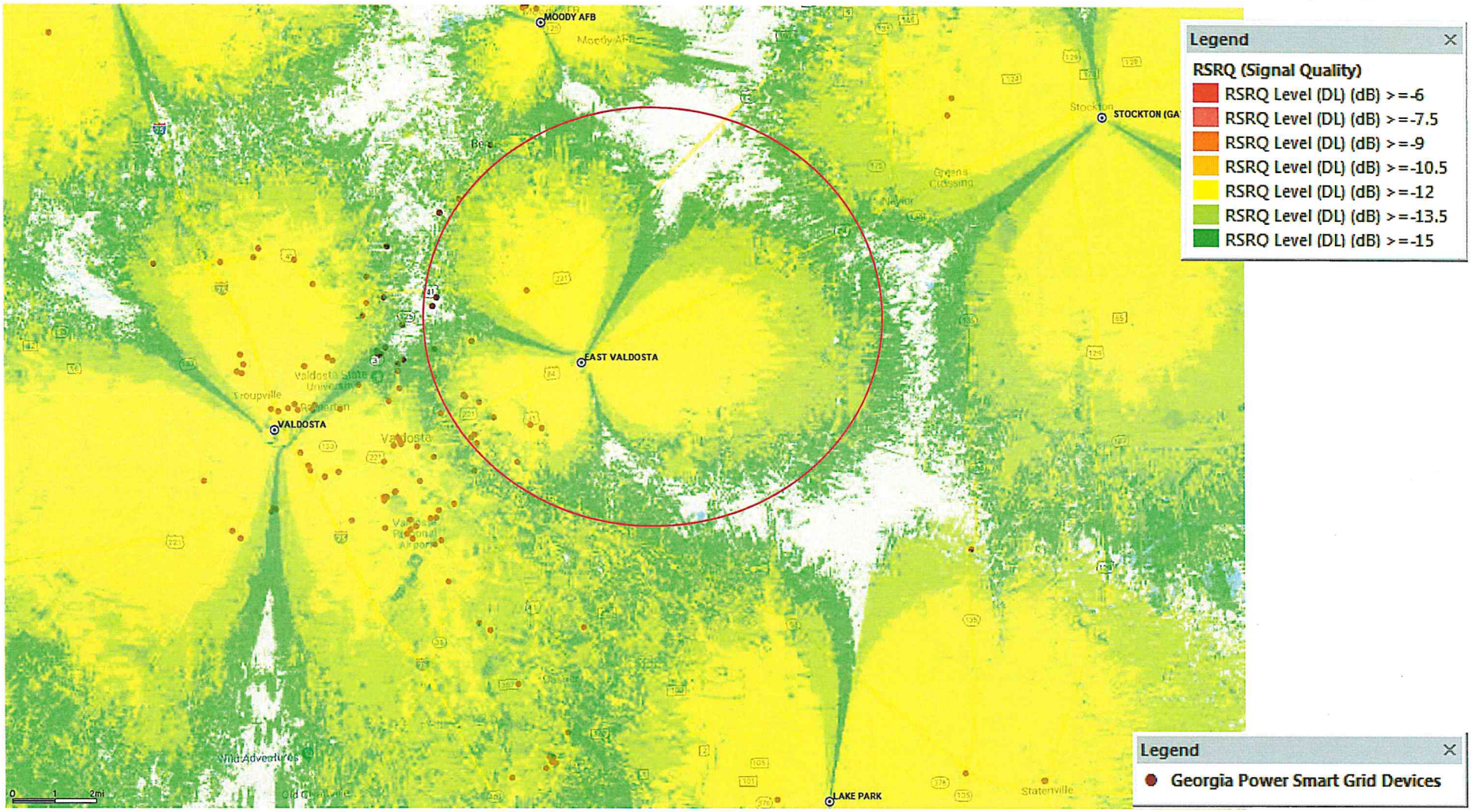
- With the new site, the signal strength is strong on US HWY 84, US HWY 221, US HWY 41, and at the Georgia Power smart grid device locations.

RSRQ (Signal Quality) Coverage without the East Valdosta Site



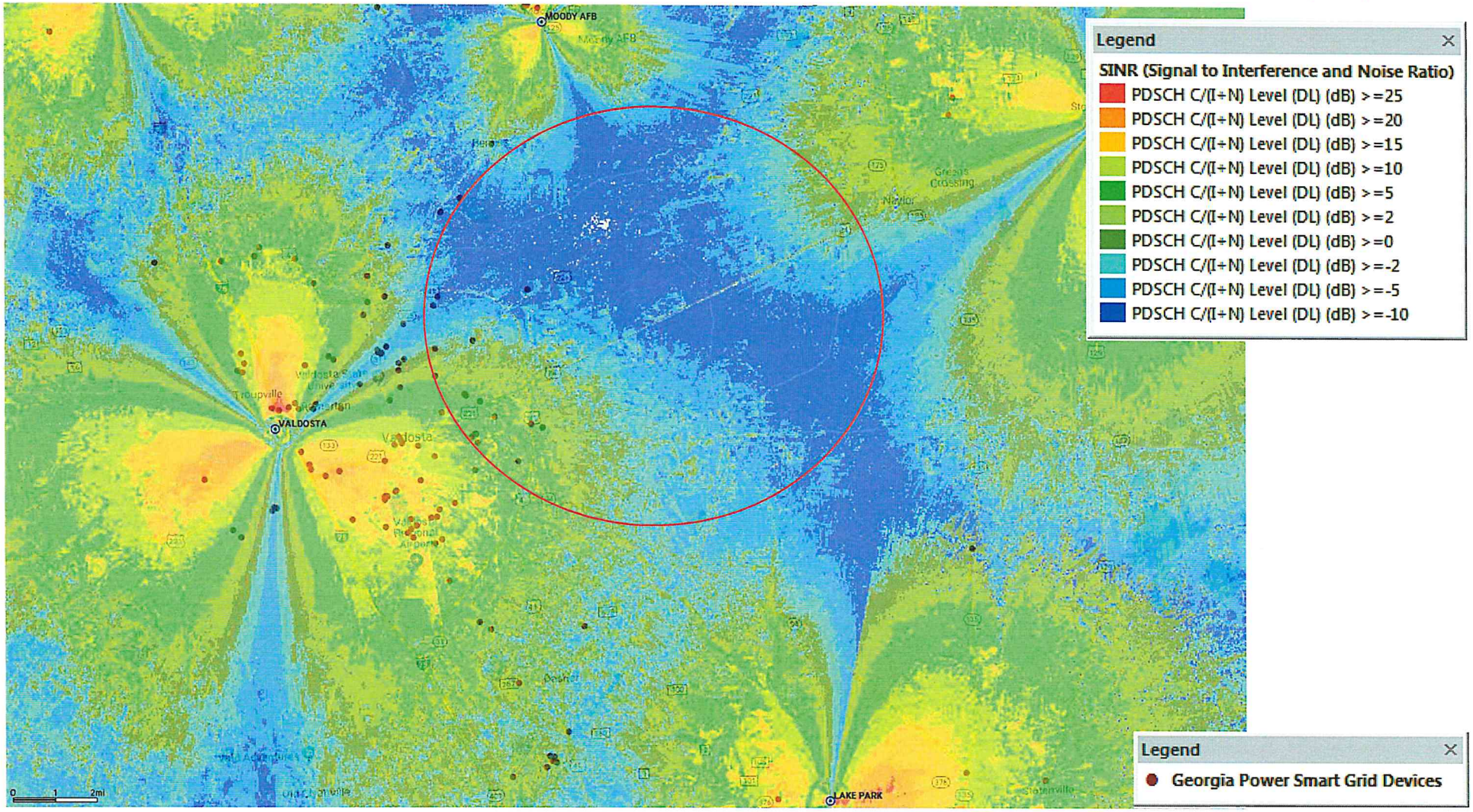
- Without the new site, the signal quality is poor in and around the area. Poor signal quality means low throughput.

RSRQ (Signal Quality) Coverage with the East Valdosta Site



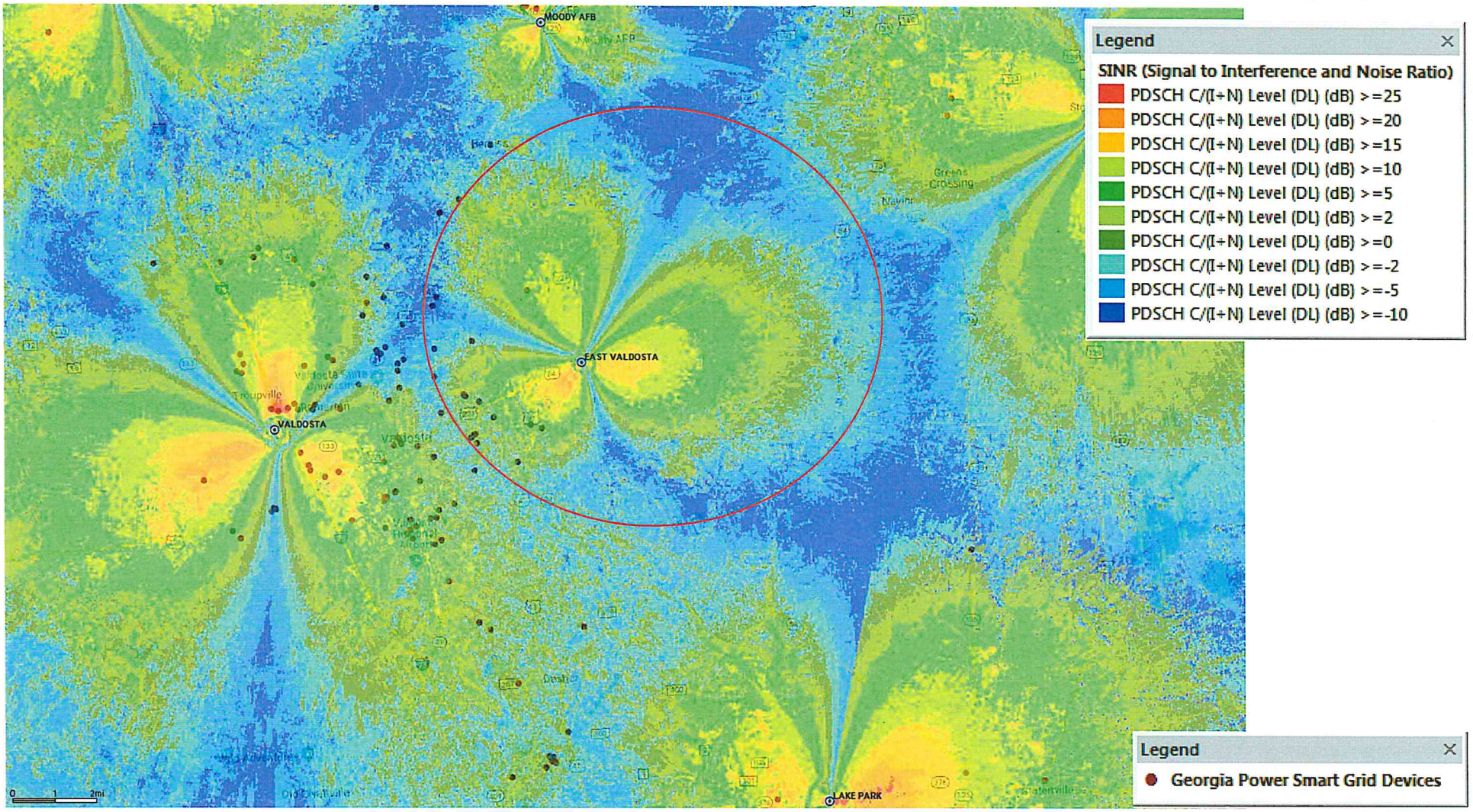
- With the new site, the signal quality is good on the roads and for the Georgia Power smart grid devices. This will result in good throughput.

SINR (Signal to Interference and Noise Ratio) without the East Valdosta Site



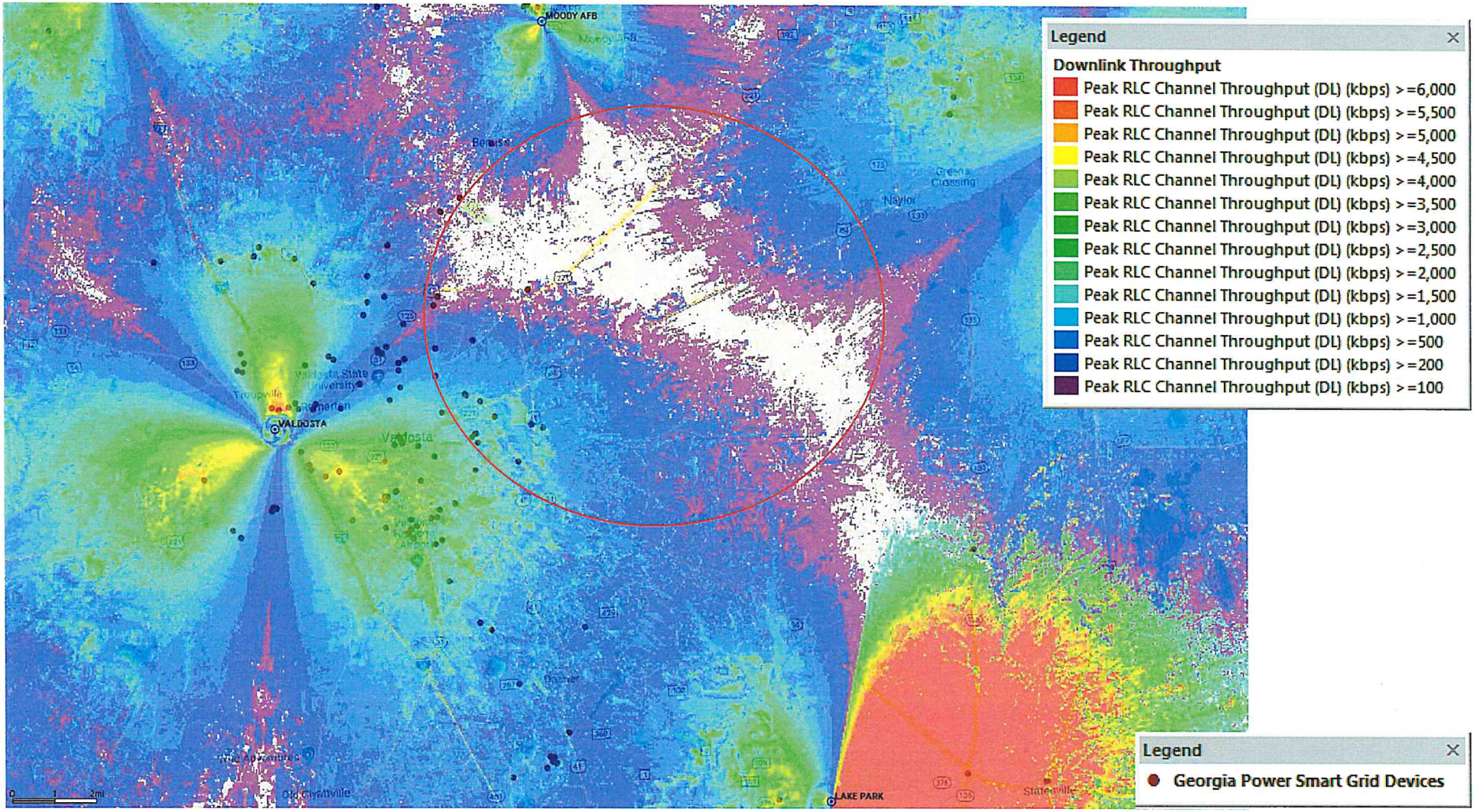
- Without the new site, the SINR is low/poor in and around the area. Poor SINR means low throughput.

SINR (Signal to Interference and Noise Ratio) with the East Valdosta Site



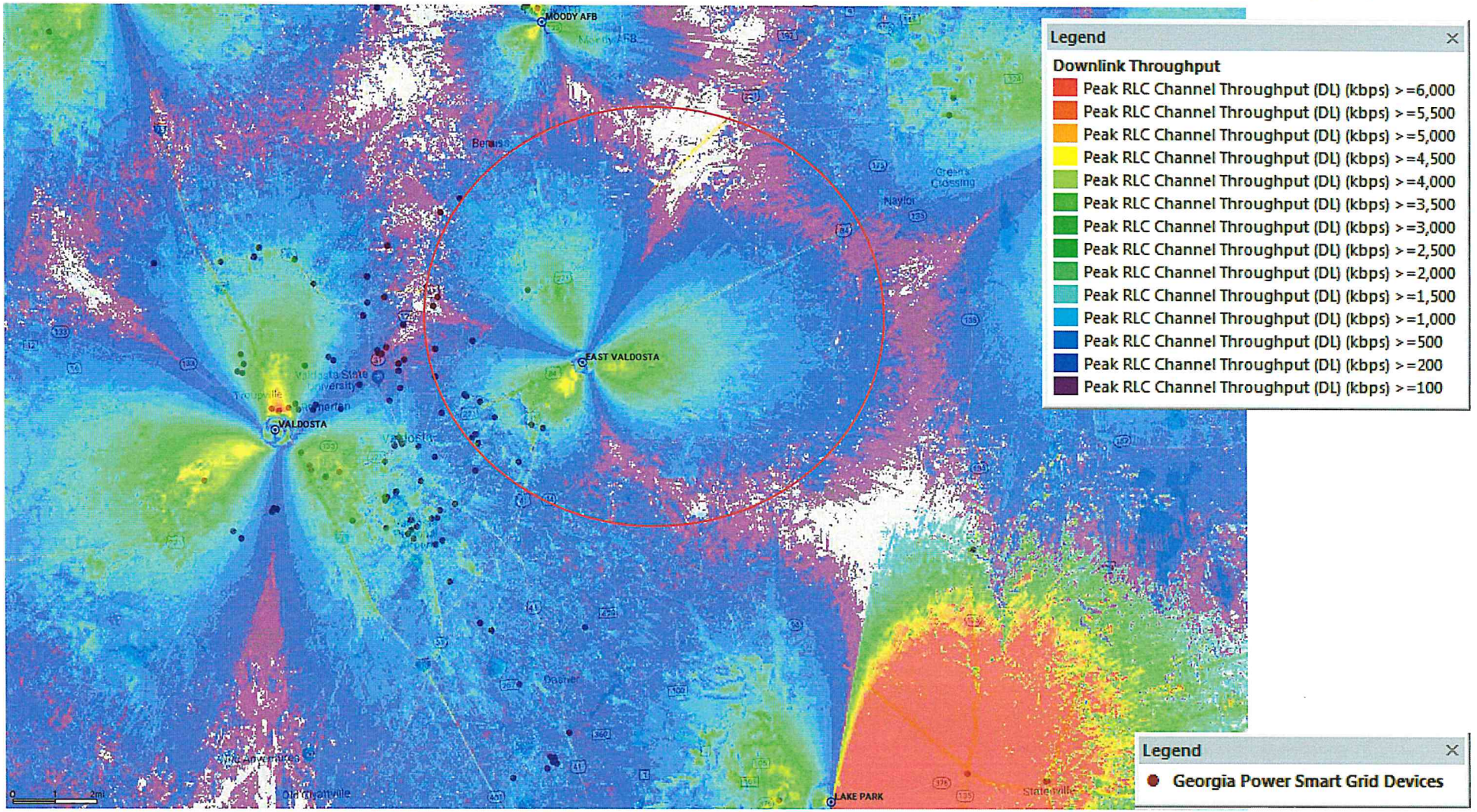
- With the new site, the SINR is higher/better on the roads and for the smart grid devices.
- The higher SINR provides adequate throughput for this area.

Throughput without the East Valdosta Site



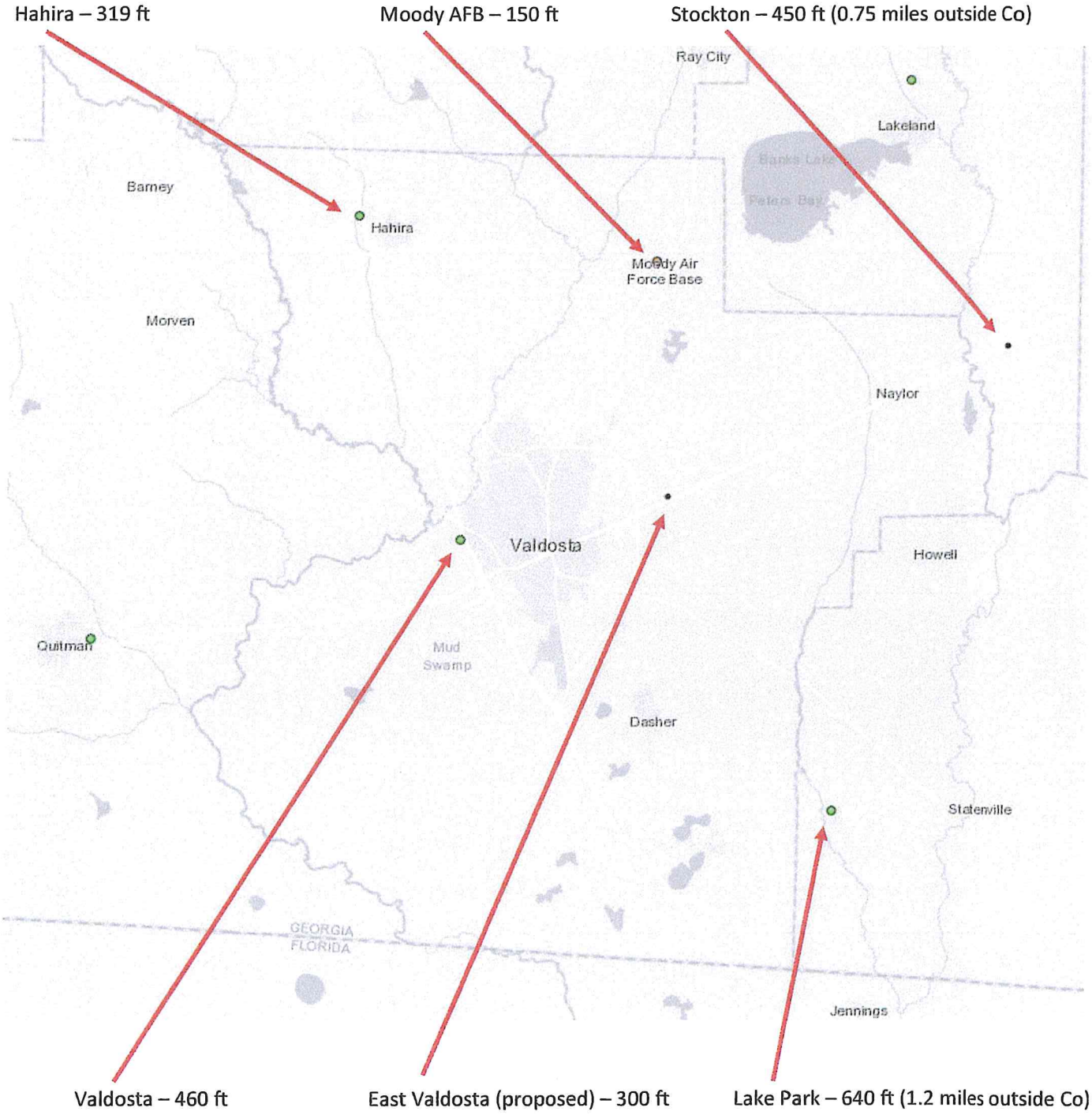
- Without the new site, the throughput is very low/slow on US HWY 84, US HWY 221, US HWY 41, and at the Georgia Power smart grid device locations.

Throughput with the East Valdosta Site



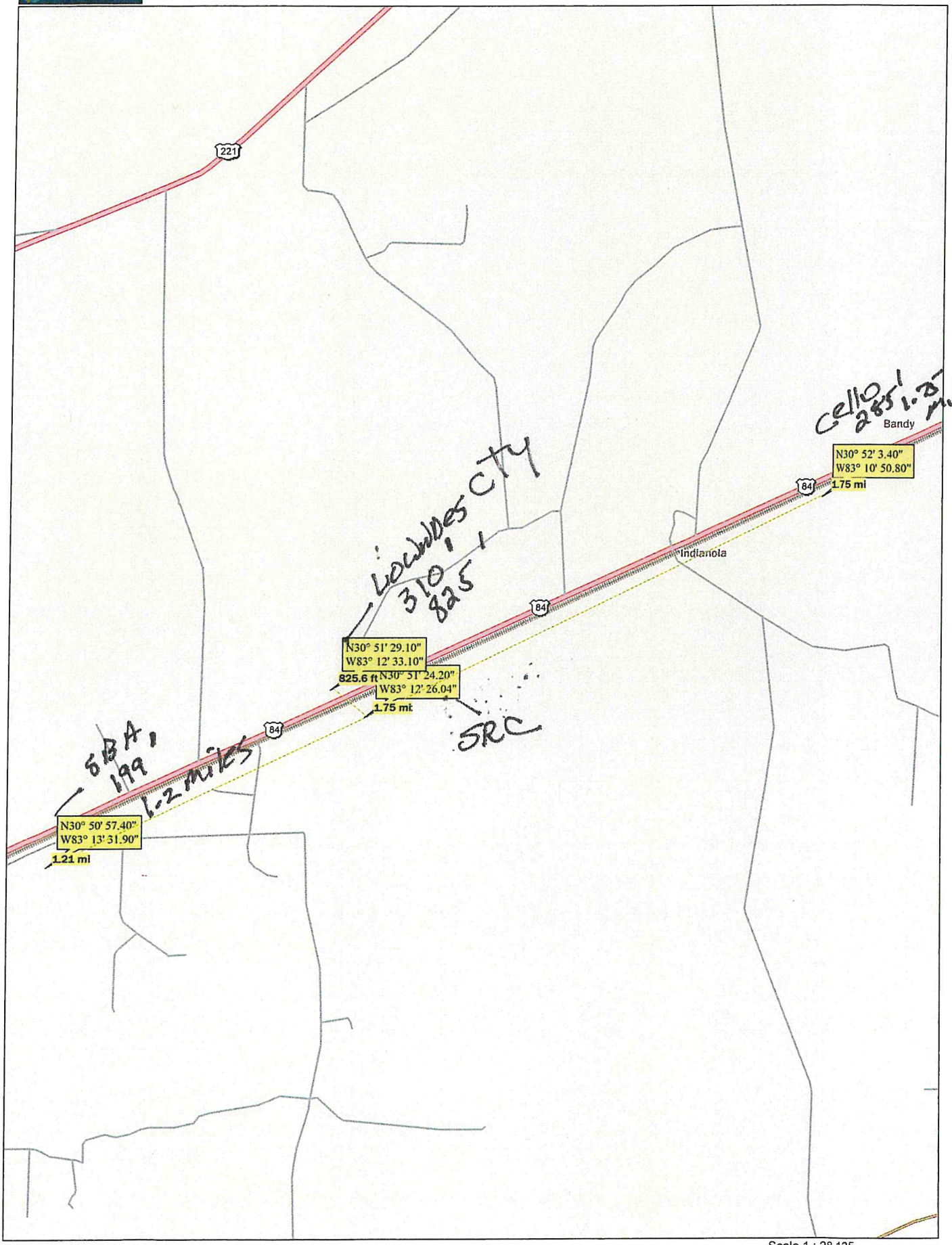
- With the new site, the throughput is adequate/faster on US HWY 84, US HWY 221, US HWY 41, and at the Georgia Power smart grid device locations.

Southern Linc Towers in Lowndes County, GA



EAST VALDOSTA

DeLorme Street Atlas USA® 2011



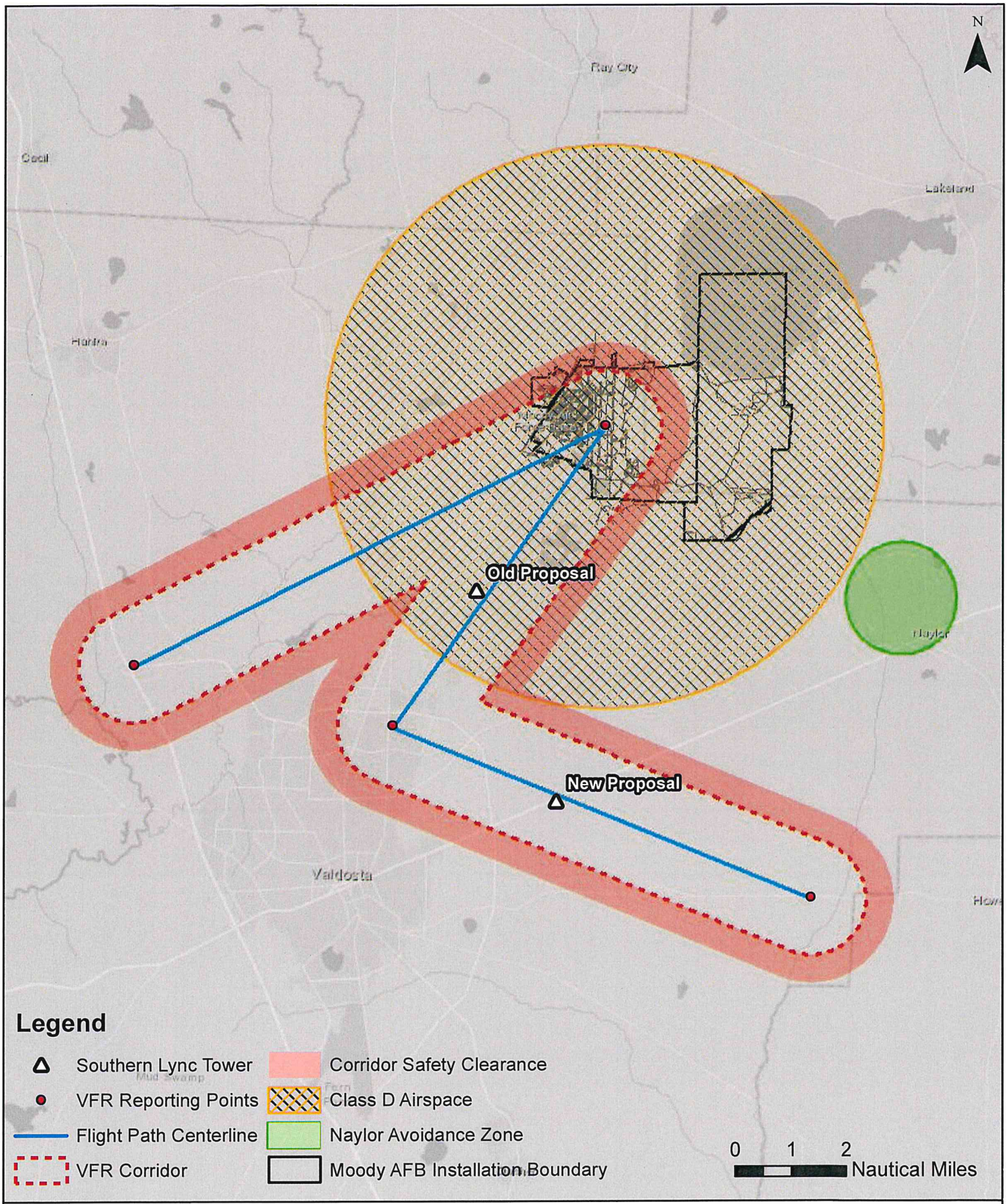
TN

MN (5.7°W)

Scale 1 : 28,125

1" = 2,343.8 ft

Data Zoom 12-7



Helicopter Corridor and Class D Airspace