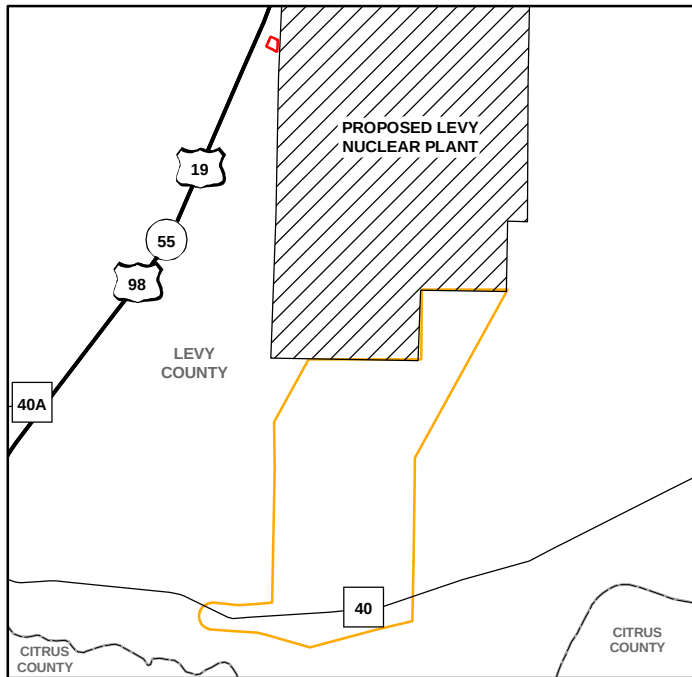
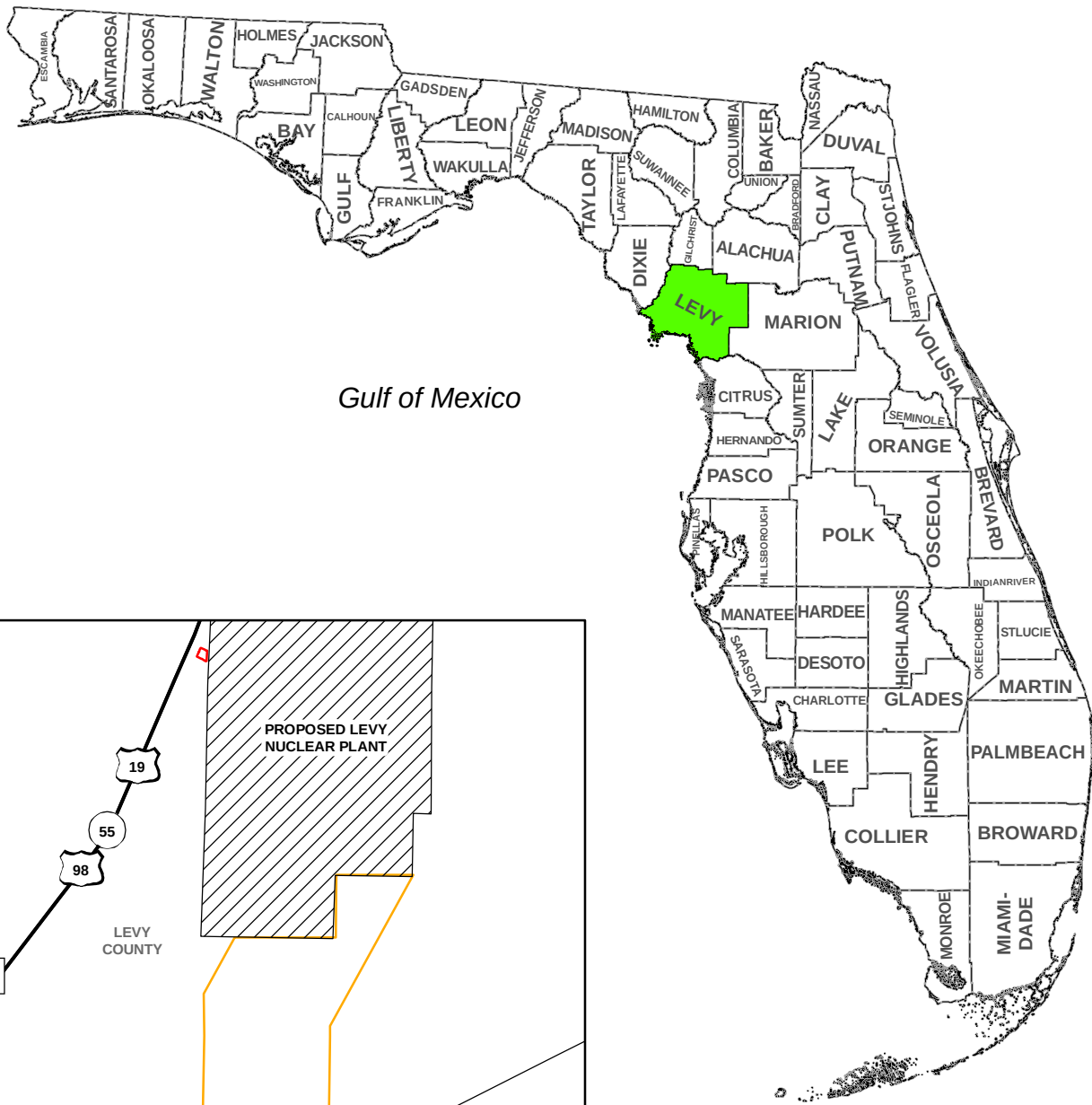


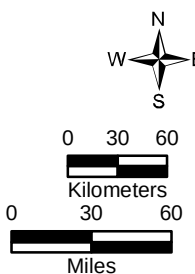


#### LEGEND

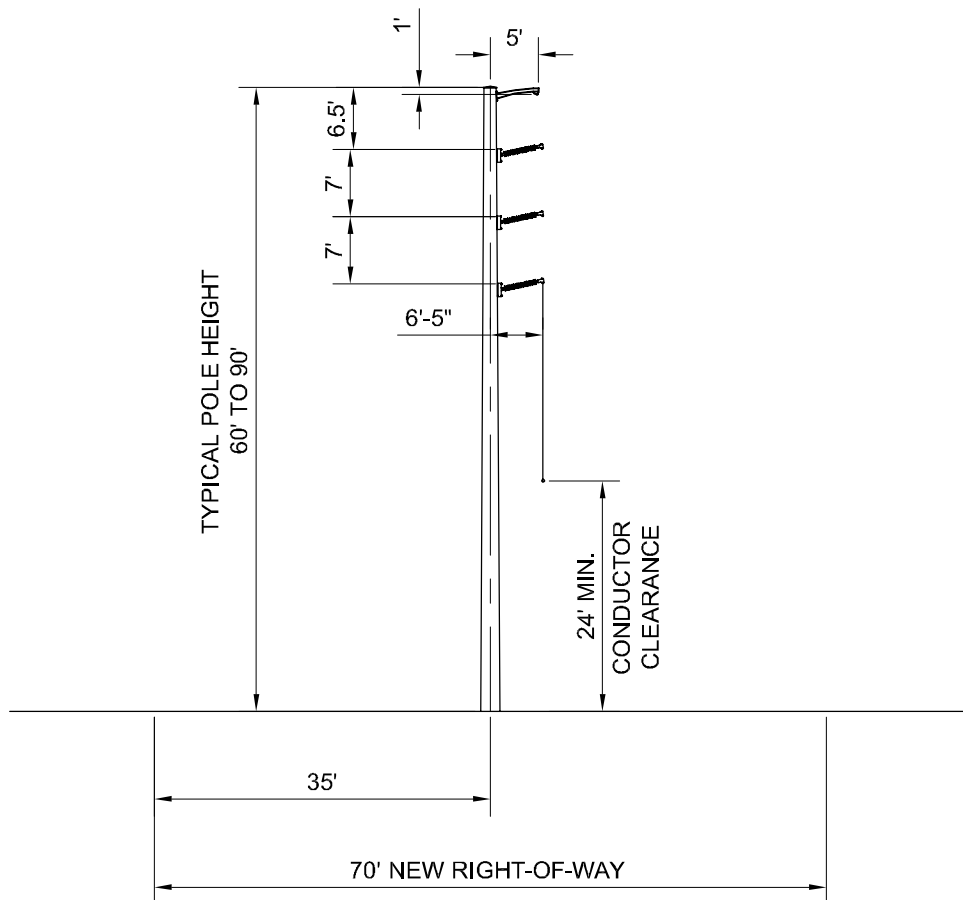
- US Road
- State Road
- County Road
- IS-North Corridor Boundary
- IO-South Corridor Boundary
- Proposed Levy Nuclear Plant
- Florida County Boundaries

#### Sources

Corridors - Golder Associates Inc. & Progress Energy Florida, 2008  
 Proposed Levy Nuclear Plant - Progress Energy Florida, 2008  
 All Roads - Florida Department of Transportation, 2008  
 Florida County Boundaries - US Census Bureau, 2003

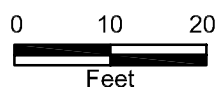


|                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|
| Progress Energy Florida<br><b>Levy Nuclear Plant<br/>         Units 1 and 2<br/>         Site Certification Application</b> |  |
| IS/IO<br>Corridor Location<br><b>FIGURE 9-A4.0-1</b>                                                                        |  |
| Rev 0                                                                                                                       |  |



**NOTE:**

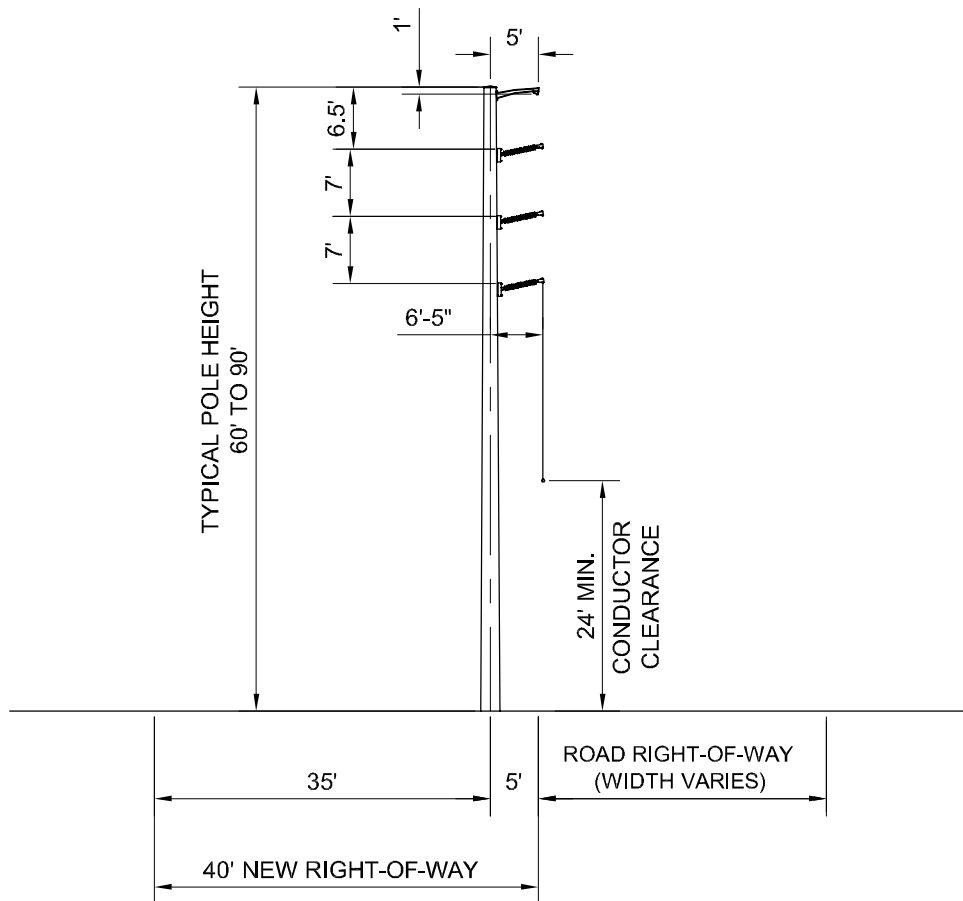
1. TYPICAL PIER FOUNDATION TO BE 4' TO 6' IN DIAMETER.



Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

Typical Tangent  
Monopole Structure  
on New Right-of-Way  
FIGURE 9-A4.2-1

Rev 0



**NOTE:**

1. TYPICAL PIER FOUNDATION TO BE 4' TO 6' IN DIAMETER.

0 10 20  
Feet

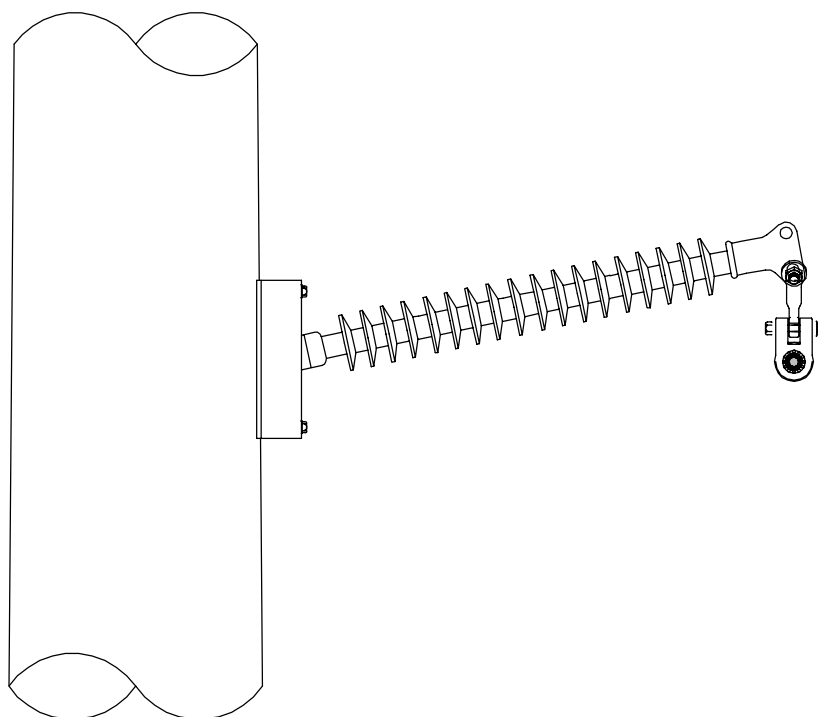
Progress Energy Florida

**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

Typical Tangent Monopole Structure  
Parallel to Road  
on New Right-of-Way

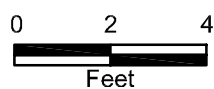
FIGURE 9-A4.2-2

Rev 0



**NOTE:**

1. TYPICAL INSULATOR ASSEMBLY SHOWN, OTHERS WILL BE REQUIRED BASED ON STRENGTH REQUIREMENTS.



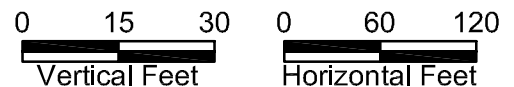
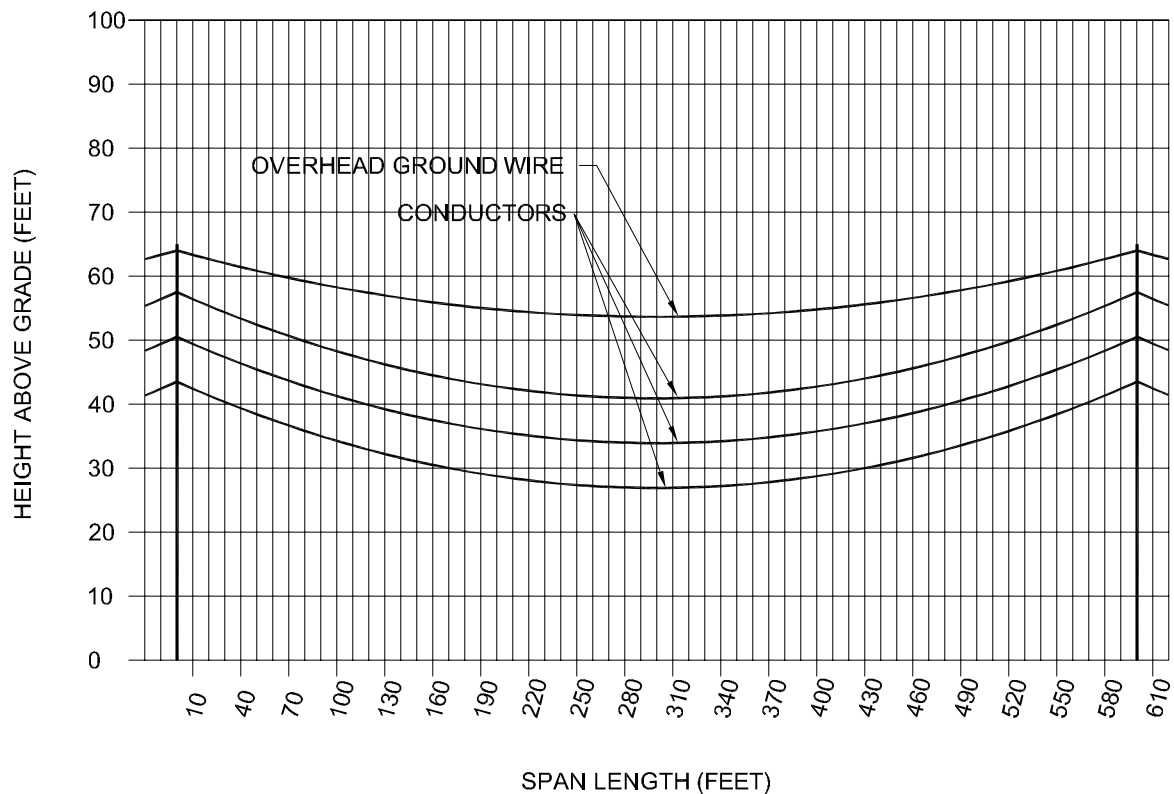
Progress Energy Florida  
**Levy Nuclear Plant**  
**Units 1 and 2**  
**Site Certification Application**

Typical 69/115kV Tangent  
 Insulator Assembly

FIGURE 9-A4.2-3

Rev 0





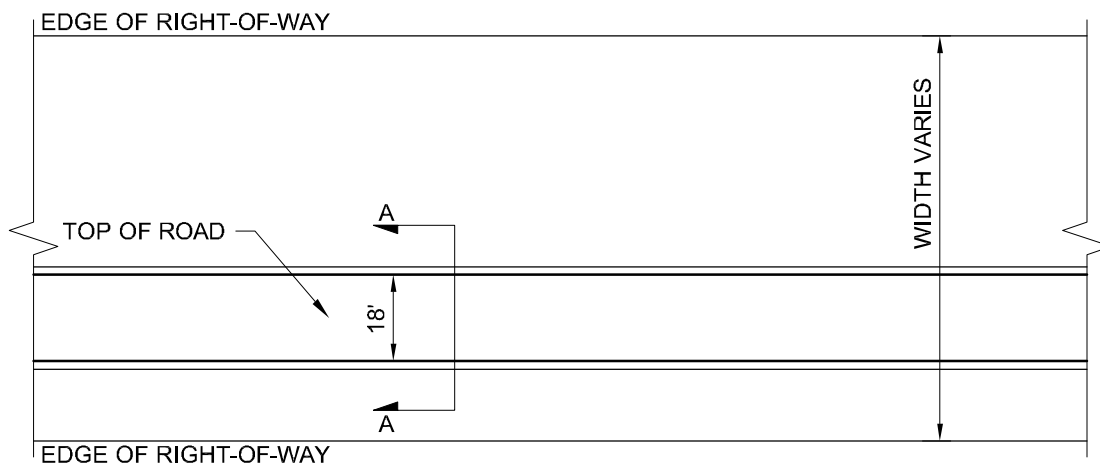
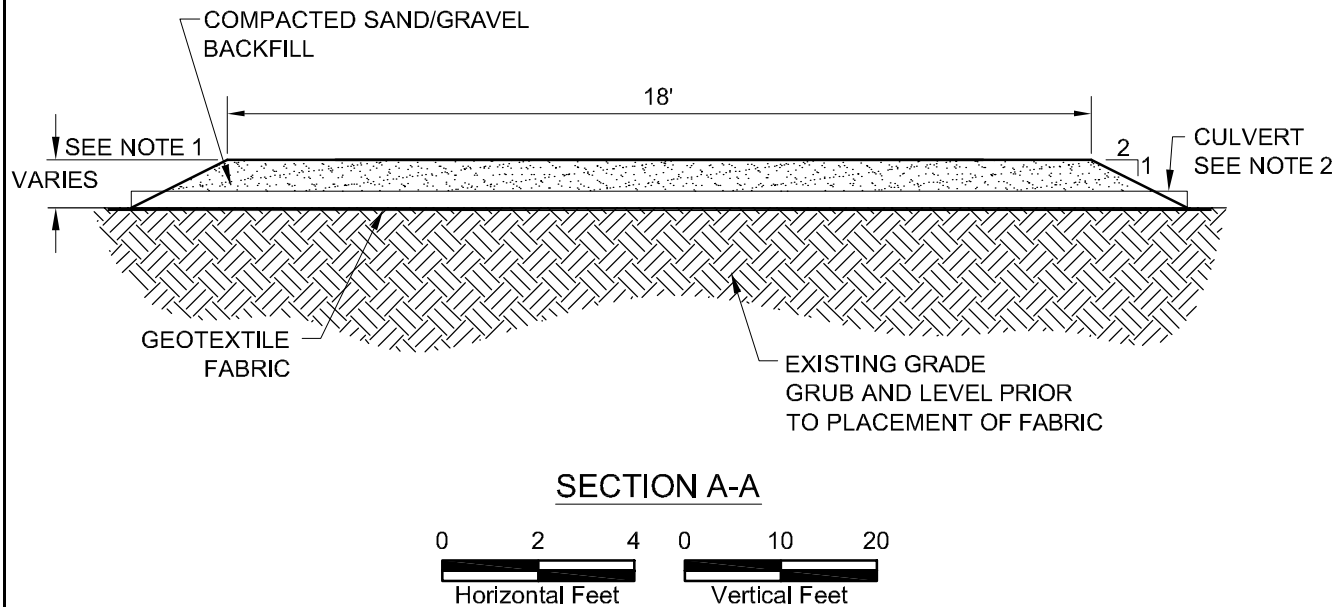
#### NOTES:

1. THIS PROFILE ASSUMES A SPAN LENGTH OF 600' AND POLE HEIGHTS 65' ABOVE GRADE. MIDSPAN CLEARANCES ALONG THE LINE WILL VARY DEPENDING ON POLE HEIGHTS AND SPAN LENGTHS BETWEEN STRUCTURES.
2. CONDUCTORS SHOWN AT MAXIMUM CONDUCTOR DESIGN TEMPERATURE OF 284° F (140°C).
3. OVERHEAD GROUND WIRE SHOWN AT MAXIMUM CONDUCTOR DESIGN TEMPERATURE OF 120° F (49°C).

Progress Energy Florida  
**Levy Nuclear Plant**  
**Units 1 and 2**  
**Site Certification Application**

Conductor Profile  
 for Typical Tangent  
 Monopole Structure  
 FIGURE 9-A4.2-4

Rev 0



**NOTES:**

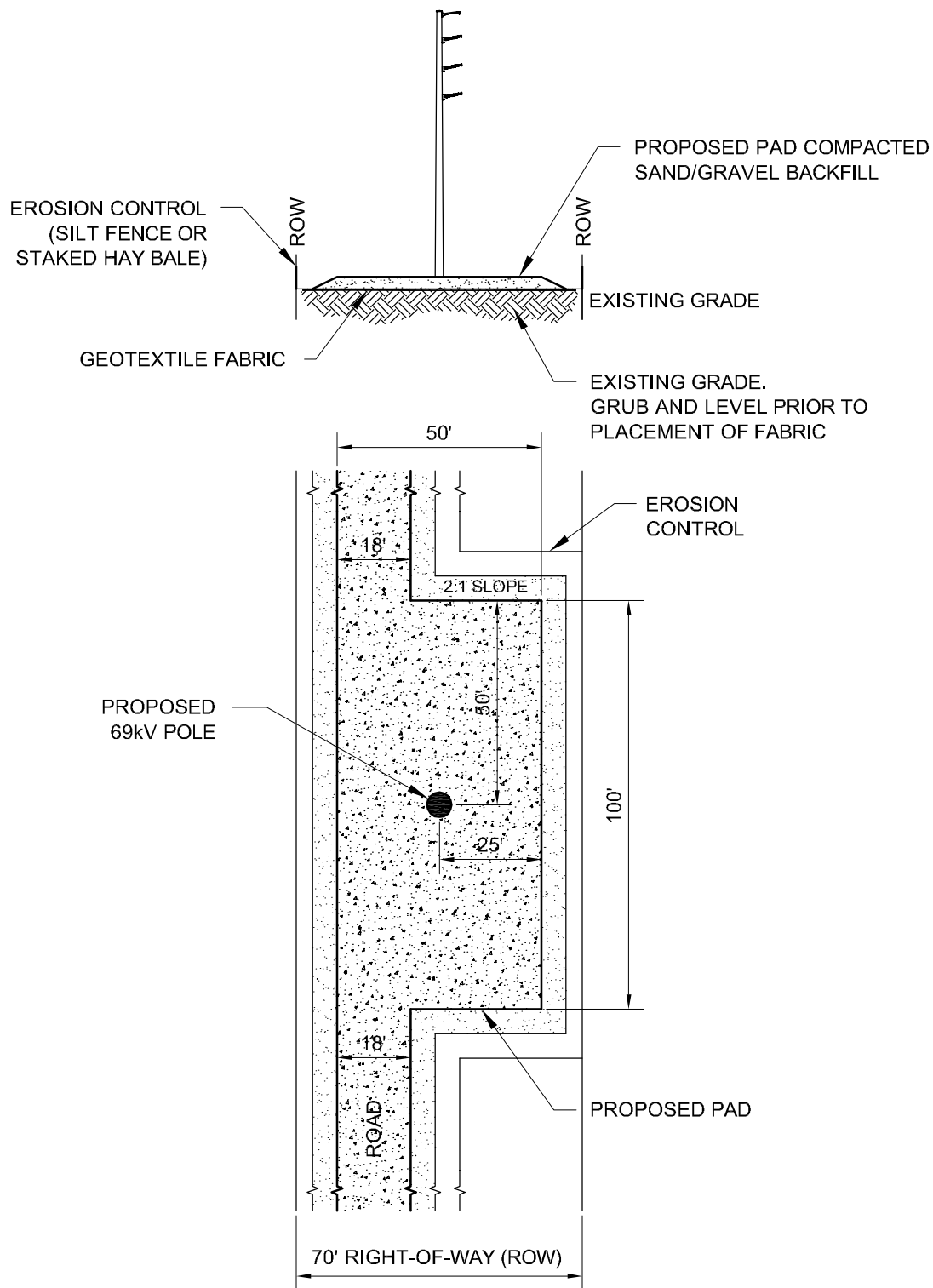
1. TOP OF ROAD & PAD SET UP TO 2 FEET ABOVE SEASONAL HIGH WATER LINE.
2. ADD CULVERTS AS REQUIRED TO MAINTAIN FLOW. A MINIMUM OF 2 FEET OF COVER IS REQUIRED OVER CULVERTS.

Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

Typical Access Road

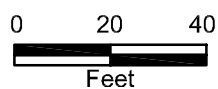
FIGURE 9-A4.2-5

Rev 0



**NOTE:**

1. TOP OF ROAD & PAD SET UP TO 2 FEET ABOVE SEASONAL HIGH WATER LINE.
2. ADD CULVERTS AS REQUIRED TO MAINTAIN FLOW. A MINIMUM OF 2 FEET OF COVER IS REQUIRED OVER CULVERTS.

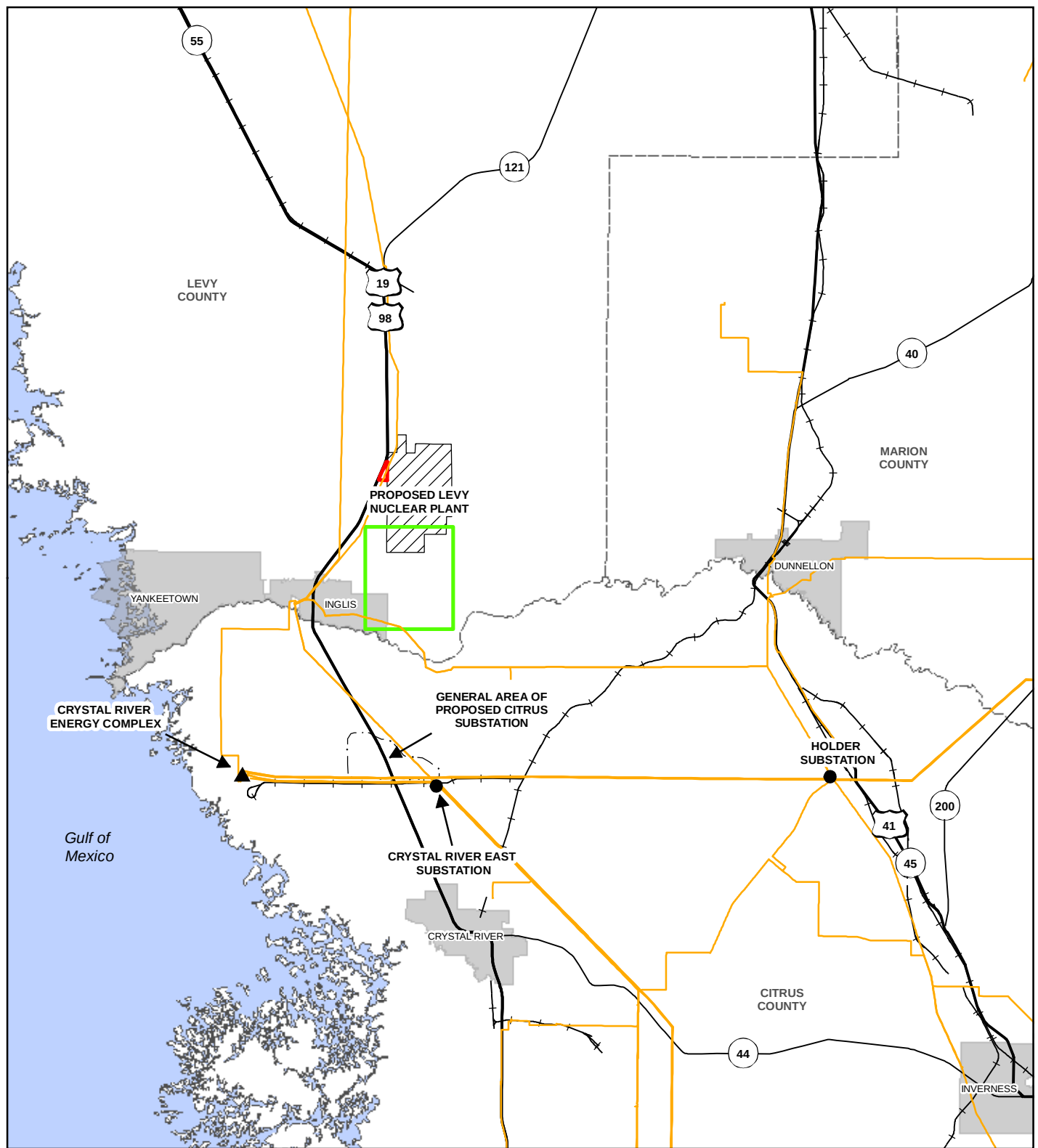


Progress Energy Florida  
**Levy Nuclear Plant  
 Units 1 and 2  
 Site Certification Application**

Typical Access Road and  
 Structure Pad

FIGURE 9-A4.2-6

Rev 0



## LEGEND

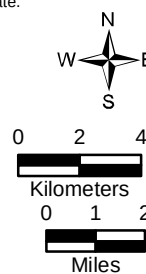
- ▲ Plant
- Substation
- Existing Progress Energy Florida Transmission Lines
- US Road
- State Road
- ⊕ Railroad
- IO Study Area
- IS Study Area
- General Areas of Proposed Citrus Substation
- Proposed Levy Nuclear Plant
- Municipalities
- Florida County Boundaries

## Note

Please note that the municipal boundaries are approximate.

## Sources

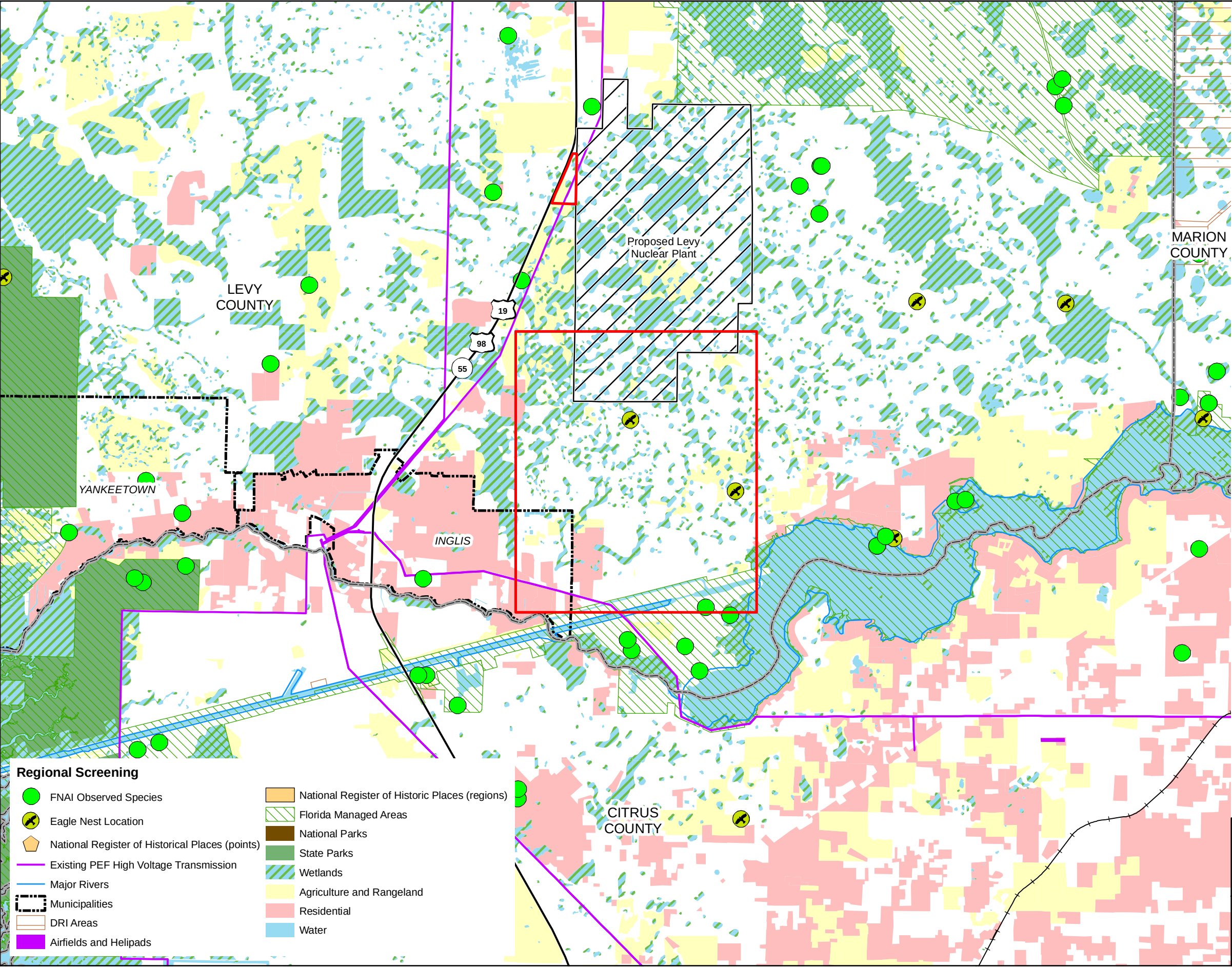
Substations, Existing Progress Energy Florida Transmission Lines & Proposed Levy Nuclear Plant - Progress Energy Florida, 2008  
 Study Area & General Area of Proposed Citrus Substation - Golder Associates Inc. & Progress Energy Florida, 2008  
 All Roads - Florida Department of Transportation, 2008  
 Railroads - Florida Department of Environmental Protection, 1992  
 Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008  
 Florida County Boundaries - US Census Bureau, 2003



## Progress Energy Florida Levy Nuclear Plant Units 1 and 2 Site Certification Application

IS/IO  
 Study Areas  
 FIGURE 9-A4.3-1

Rev 0



LEGEND

- Interstate
- Toll Roads
- US Roads
- State Roads
- Railroad
- Study Area
- Proposed Levy Nuclear Plant
- County Boundary

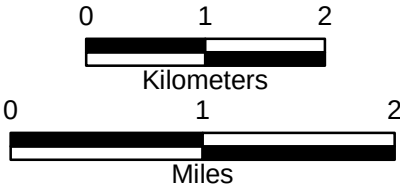


Note

1. Please note that municipality boundaries are approximate

Sources

Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2008  
Study Area & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008  
Railroads: Florida Geographic Data Library, 1992  
National Register of Historic Places: National Park Service, 2007  
Airfields, Rivers, Florida Managed Areas, DRIs, and National/State Parks: Florida Geographic Data Library, 2007  
FNAI Observed Species: Florida Natural Areas Inventory, 2008  
Eagle Nest Locations: FNAI, FFWCC, and Golder observation; 2007  
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008



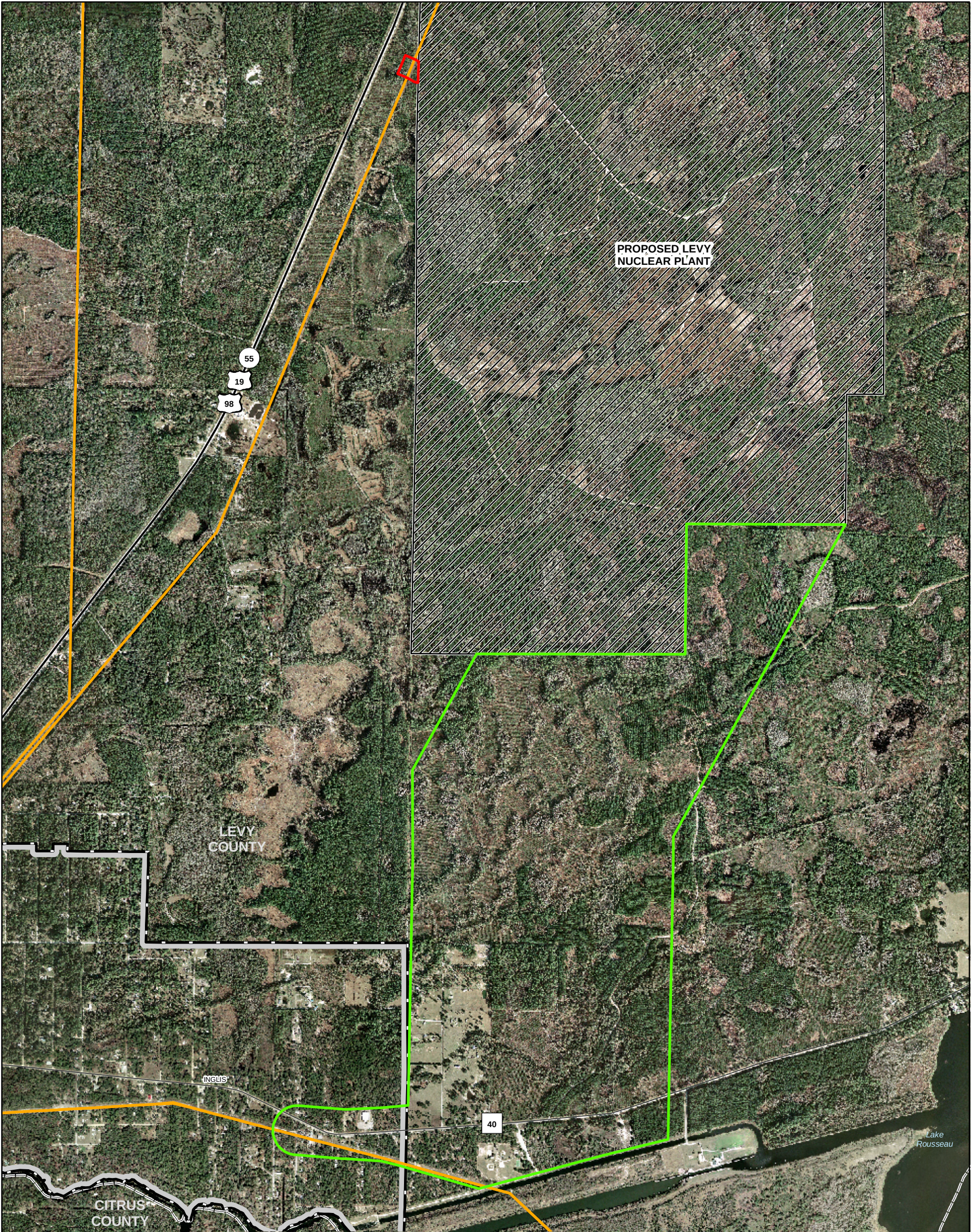
Regional Screening

- FNAI Observed Species
- Eagle Nest Location
- National Register of Historical Places (points)
- Existing PEF High Voltage Transmission
- Major Rivers
- Municipalities
- DRI Areas
- Airfields and Helipads
- National Register of Historic Places (regions)
- Florida Managed Areas
- National Parks
- State Parks
- Wetlands
- Agriculture and Rangeland
- Residential
- Water

Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Regional Screening  
FIGURE 9-A4.3-2





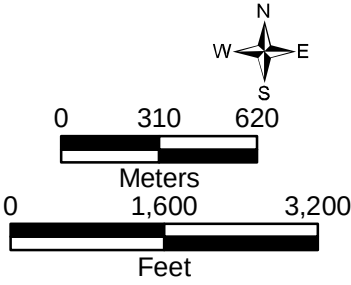
**LEGEND**

- Existing Progress Energy Florida Transmission Lines
- US Road
- State Road
- County Road
- Railroad
- IO-Corridor Boundary
- IS-Corridor Boundary
- Proposed Levy Nuclear Plant
- Municipalities
- Florida County Boundaries

**Sources**

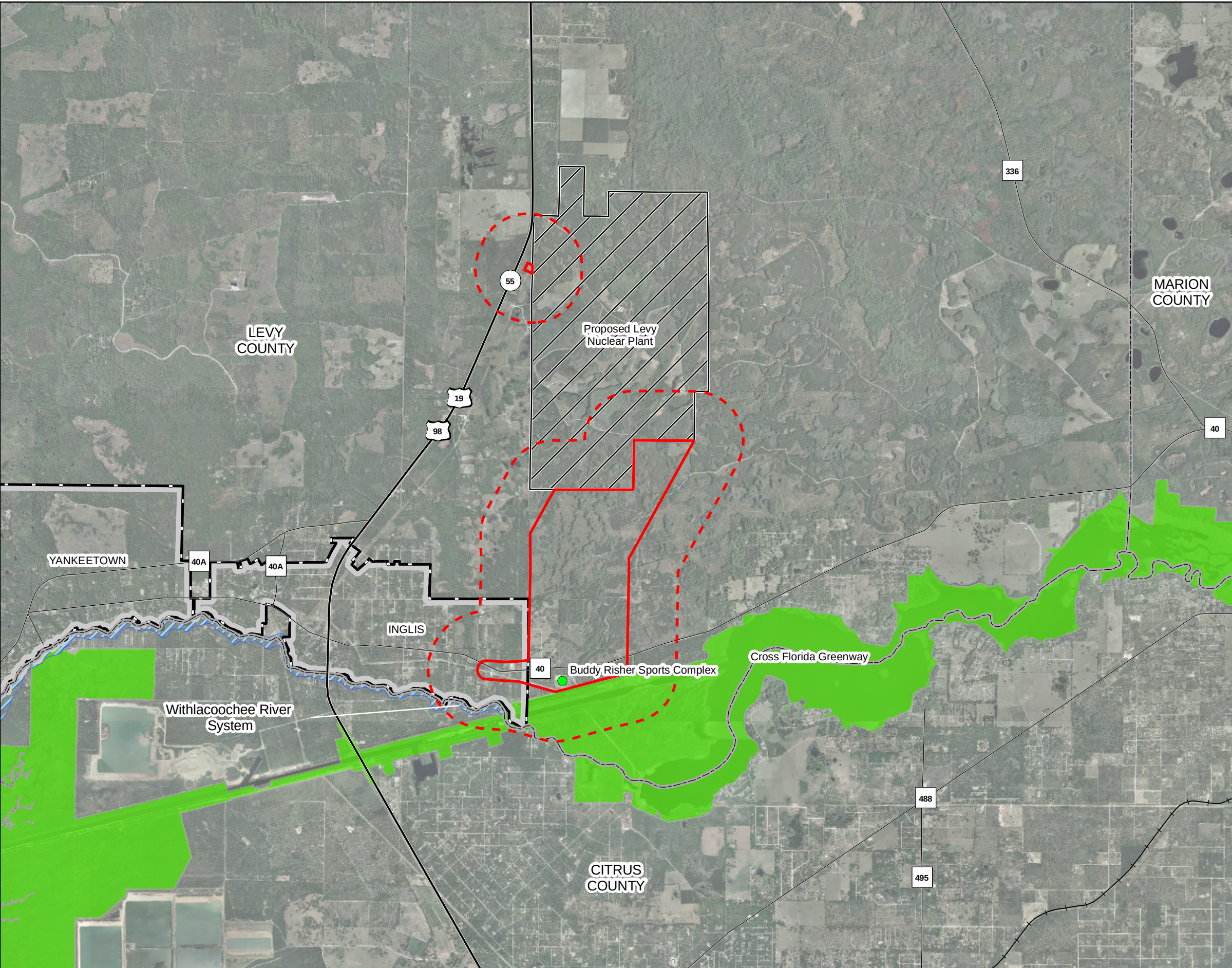
Proposed Levy Nuclear Plant & Existing Progress Energy Florida Transmission Lines - Progress Energy Florida, 2008  
Corridors - Golder Associates Inc. & Progress Energy Florida, 2008  
Florida County Boundaries - US Census Bureau, 2003  
All Roads - Florida Department of Transportation, 2008  
Municipalities - University of Florida Geoplan Center, 2005 with Golder update, 2008  
Railroads - Florida Department of Environmental Protection, 1992  
Aerial - Aerials Express 2007

**Note**  
Please note that the municipal boundaries are approximate.



|                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|
| Progress Energy Florida<br><b>Levy Nuclear Plant<br/>Units 1 and 2<br/>Site Certification Application</b> |
| IS/IO<br>Corridors<br>FIGURE 9-A4.3-3                                                                     |





LEGEND

- Substations
- Park Location
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Corridor 0.5-mile Buffer
- Proposed Levy Nuclear Plant
- County Boundary
- Municipalities
- Outstanding Florida Waters

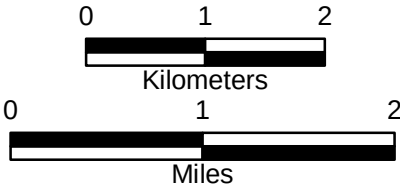


Note

1. Please note that the municipality boundaries are approximate.

Sources

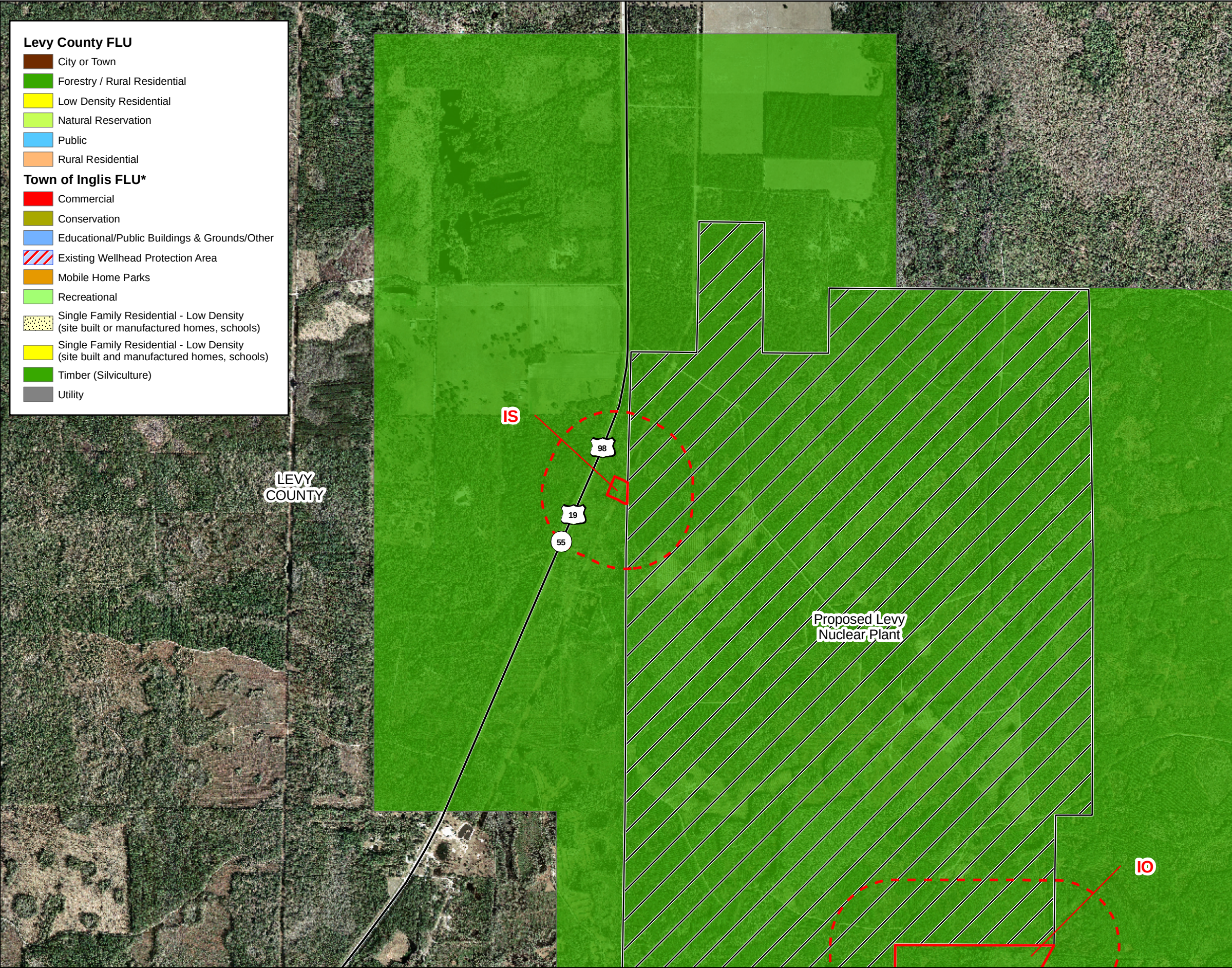
Substations & Proposed Levy Nuclear Power Plant: Progress Energy Florida, 2008  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2008  
Corridors & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008  
Railroads: Florida Geographic Data Library, 1992  
Florida Managed Areas, Parks, and Existing Trails: Florida Geographic Data Library, 2007  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008



Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Governmental Jurisdictions  
FIGURE 9-A4.3-4





**Levy County FLU**

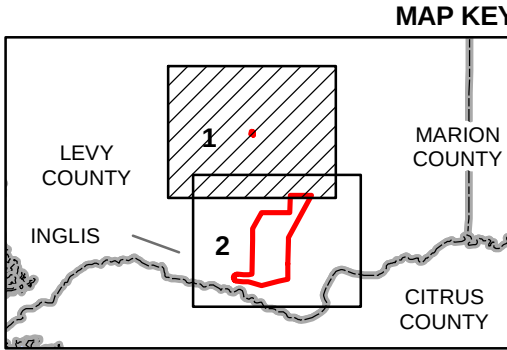
- City or Town
- Forestry / Rural Residential
- Low Density Residential
- Natural Reservation
- Public
- Rural Residential

**Town of Inglis FLU\***

- Commercial
- Conservation
- Educational/Public Buildings & Grounds/Other
- Existing Wellhead Protection Area
- Mobile Home Parks
- Recreational
- Single Family Residential - Low Density (site built or manufactured homes, schools)
- Single Family Residential - Low Density (site built and manufactured homes, schools)
- Timber (Silviculture)
- Utility

**LEGEND**

- Substations
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Corridor Boundary 0.25-mile Buffer
- Proposed Levy Nuclear Plant
- County Boundary
- Municipalities

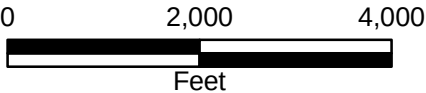


**Note**

1. Please note that municipality boundaries are approximate  
2. \* Town of Inglis Future Land Use data obtained from the Withlacoochee Regional Planning Council (WRPC)

**Sources**

Substations - Progress Energy Florida 2007  
Future Land Use: Levy County and Town of Inglis Planning Departments, and Withlacoochee Regional Planning Council, 2008  
Aerials: Aerials Express, 2007  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2007  
Corridors & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008  
Railroads: Florida Geographic Data Library, 1992  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008



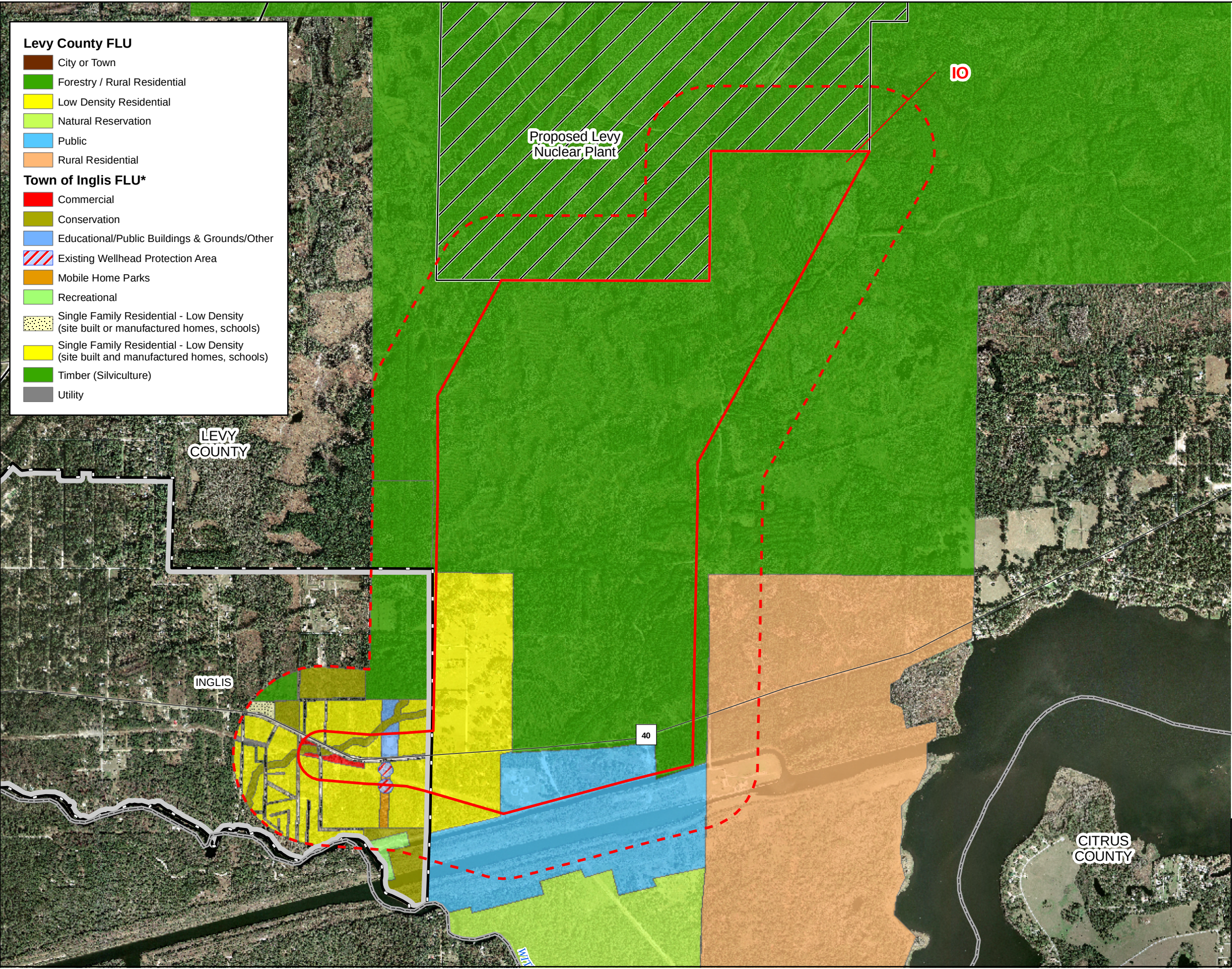
Progress Energy Florida

**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Future Land Use  
FIGURE 9-A4.3-5  
1 OF 2

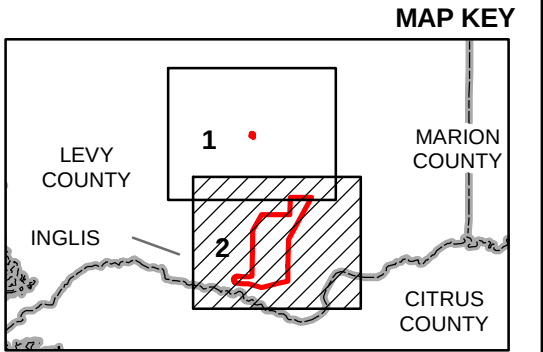
Rev 0





- Levy County FLU**
- City or Town
  - Forestry / Rural Residential
  - Low Density Residential
  - Natural Reservation
  - Public
  - Rural Residential
- Town of Inglis FLU\***
- Commercial
  - Conservation
  - Educational/Public Buildings & Grounds/Other
  - Existing Wellhead Protection Area
  - Mobile Home Parks
  - Recreational
  - Single Family Residential - Low Density (site built or manufactured homes, schools)
  - Single Family Residential - Low Density (site built and manufactured homes, schools)
  - Timber (Silviculture)
  - Utility

- LEGEND**
- Substations
  - Interstate
  - Toll Roads
  - US Roads
  - State Roads
  - County Roads
  - Railroad
  - Corridor Boundary
  - Corridor Boundary 0.25-mile Buffer
  - Proposed Levy Nuclear Plant
  - County Boundary
  - Municipalities

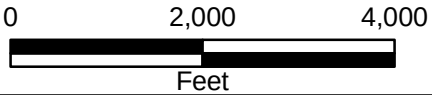


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Aerials: Aerials Express, 2007  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2007  
Corridors & General Areas of Proposed Substations: Golder Associates Inc. & Progress Energy Florida, 2008  
Railroads: Florida Geographic Data Library, 1992  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update, 2008



Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Future Land Use  
FIGURE 9-A4.3-5  
2 OF 2

Rev 0



Land Use and Land Cover  
FLUCCS Level 3

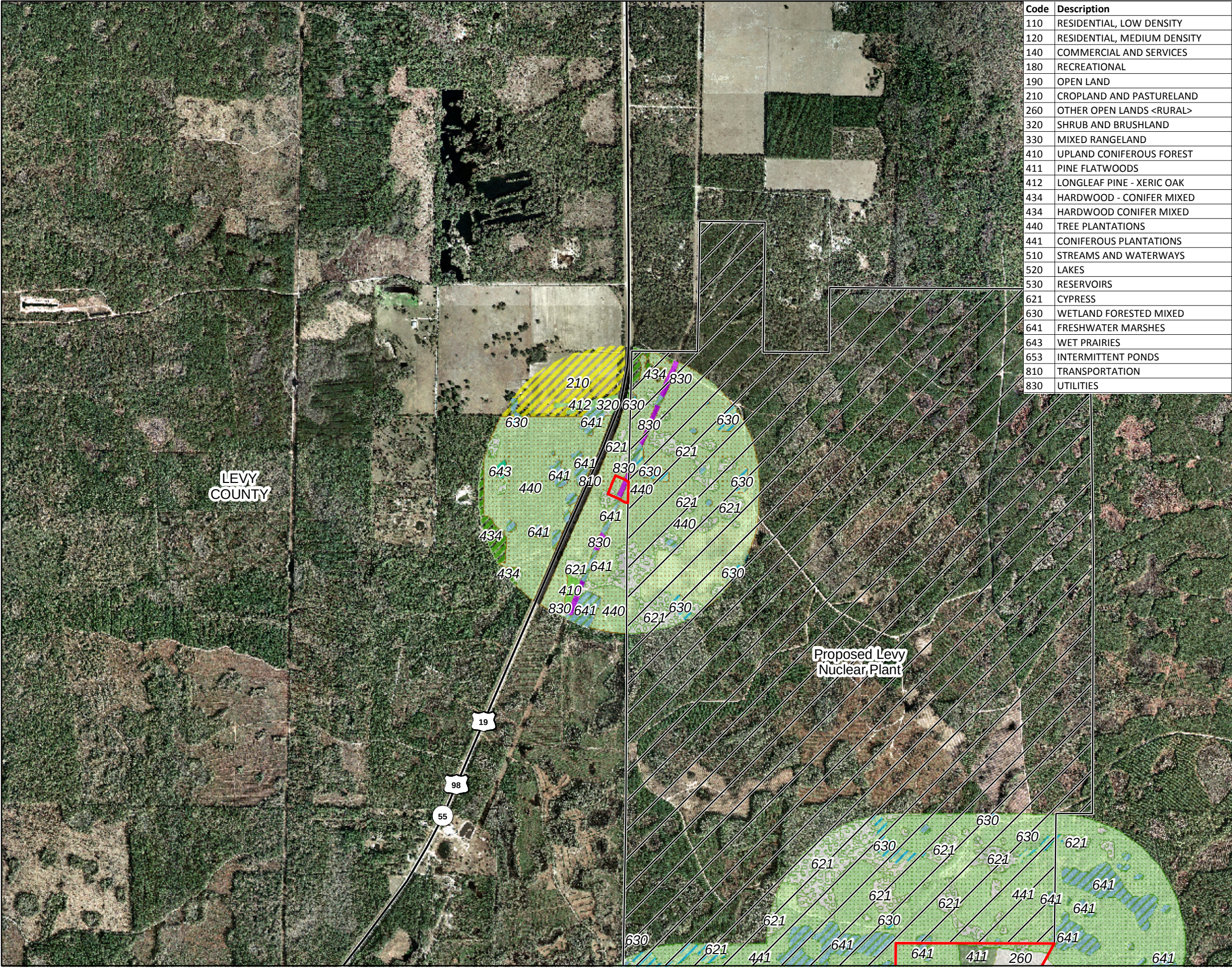
- 110 - Residential, Low Density
- 120 - Residential, Medium Density
- 130 - Residential, High Density
- 139 - High Density Under Construction
- 140 - Commercial
- 147 - Mixed Commercial Services
- 148 - Cemeteries
- 150 - Industrial
- 155 - Other Light Industrial
- 160 - Extractive
- 166 - Holding Pond
- 170 - Institutional
- 180 - Recreational
- 182 - Golf Courses
- 190 - Open Land
- 193 - Urban Land in Transition
- 210 - Cropland and Pastureland
- 211 - Improved Pastures
- 212 - Unimproved Pastures
- 214 - Row Crops
- 215 - Field Crops

- 221 - Citrus Groves
- 222 - Fruit Orchards
- 230 - Feeding Operations
- 240 - Nurseries and Vineyards
- 250 - Specialty Farmes
- 255
- 260 - Other Open Lands (cannot be determined)
- 310 - Herbaceous (Dry Prairie)
- 320 - Shrub and Brushland
- 321 - Palmetto Prairies
- 330 - Mixed Rangeland
- 410 - Upland Coniferous Forests
- 411 - Pine Flatwoods
- 412 - Longleaf Pine - Zeric Oak
- 413 - Sand Pine
- 421 - Xeric Oak
- 424 - Melaleuca
- 427 - Live Oak
- 434 - Hardwood - Conifer Mixed
- 440 - Tree Plantations
- 441 - Coniferous Plantations
- 510 - Streams and Waterways
- 520 - Lakes

- 530 - Reservoirs
- 534 - Reservoirs (less than 10 acres)
- 540 - Bays and Estuaries
- 572 - Gulf of Mexico
- 611 - Bay Swamps
- 615 - Stream and Lake Swamps (Bottomland)
- 617 - Mixed Wetland Hardwoods
- 621 - Cypress
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 640 - Vegetated Non-Forested Wetlands
- 641 - Freshwater Marshes
- 642 - Saltwater Marshes
- 643 - Wet Prairies
- 653 - Intermittent Ponds
- 740 - Disturbed Lands
- 810 - Transportation
- 814 - Roads and Highways
- 820 - Communications
- 830 - Utilities
- 832 - Electrical Power Transmission Lines
- 833 - Water Supply Plants

Sources  
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004





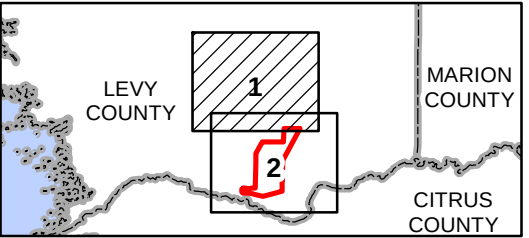
| Code | Description                 |
|------|-----------------------------|
| 110  | RESIDENTIAL, LOW DENSITY    |
| 120  | RESIDENTIAL, MEDIUM DENSITY |
| 140  | COMMERCIAL AND SERVICES     |
| 180  | RECREATIONAL                |
| 190  | OPEN LAND                   |
| 210  | CROPLAND AND PASTURELAND    |
| 260  | OTHER OPEN LANDS <RURAL>    |
| 320  | SHRUB AND BRUSHLAND         |
| 330  | MIXED RANGELAND             |
| 410  | UPLAND CONIFEROUS FOREST    |
| 411  | PINE FLATWOODS              |
| 412  | LONGLEAF PINE - XERIC OAK   |
| 434  | HARDWOOD - CONIFER MIXED    |
| 434  | HARDWOOD CONIFER MIXED      |
| 440  | TREE PLANTATIONS            |
| 441  | CONIFEROUS PLANTATIONS      |
| 510  | STREAMS AND WATERWAYS       |
| 520  | LAKES                       |
| 530  | RESERVOIRS                  |
| 621  | CYPRESS                     |
| 630  | WETLAND FORESTED MIXED      |
| 641  | FRESHWATER MARSHES          |
| 643  | WET PRAIRIES                |
| 653  | INTERMITTENT PONDS          |
| 810  | TRANSPORTATION              |
| 830  | UTILITIES                   |

LEGEND

- Substations
- Eagle's Nest
- FNAI Observed Species
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Proposed Levy Nuclear Plant
- County Boundary
- Municipalities



MAP KEY

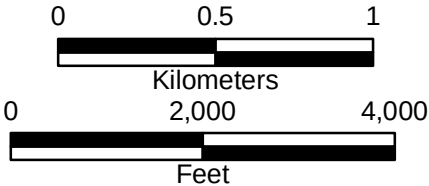


Note

1. Please note that the municipality boundaries are approximate.

Sources

Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2008  
Railroads: Florida Geographic Data Library, 1992  
FNAI Observed Species: Florida Natural Areas Inventory, 2008  
Eagle's Nest Locations: FNAI, FFWCC, and Golder observation; 2007  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update 2008  
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004  
Aerials Imagery: Aerials Express, 2007  
Corridor Boundary: Golder Associates Inc. & Progress Energy Florida, 2008

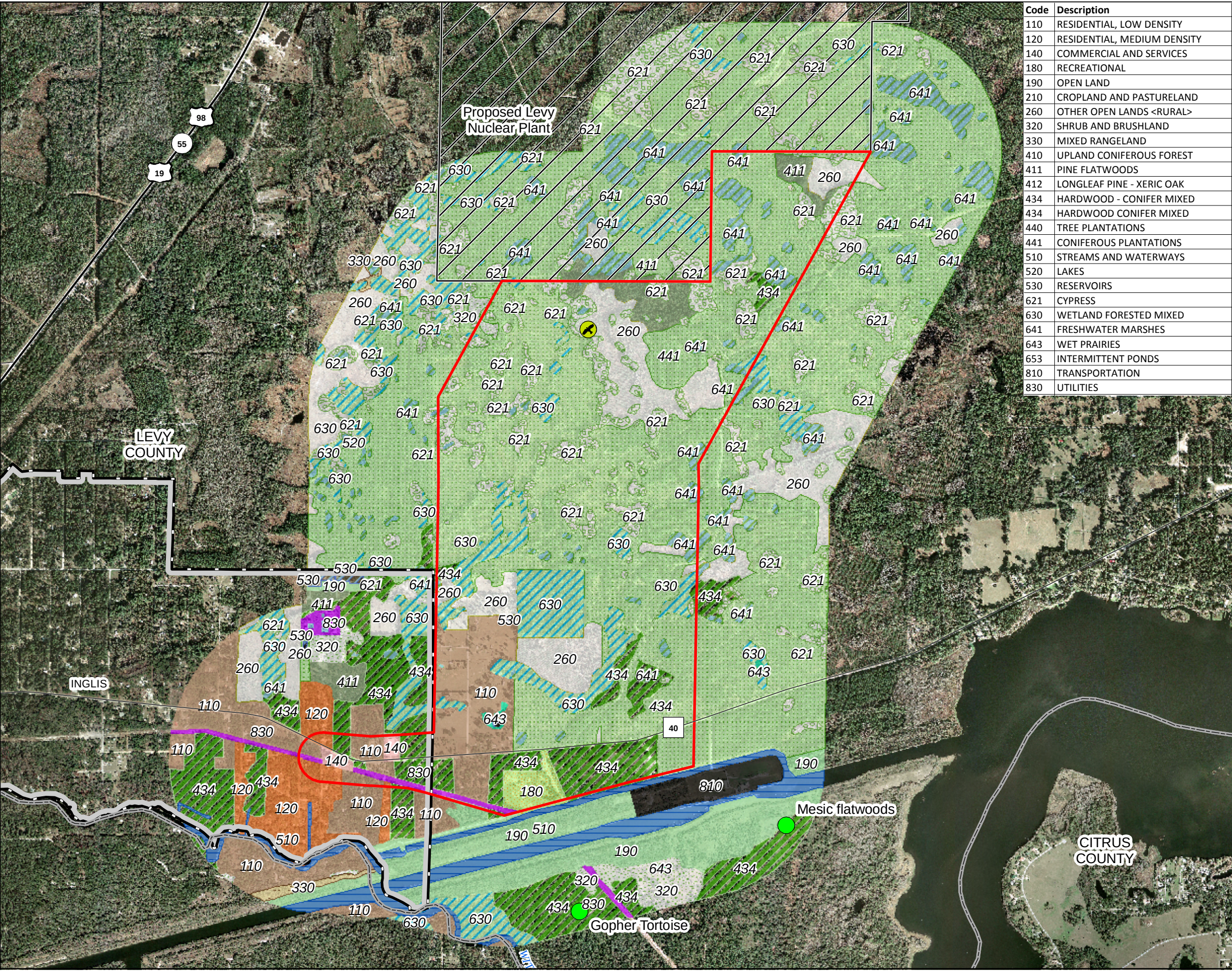


Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Existing Land Use  
FIGURE 9-A4.3-6  
1 OF 2

Rev 0





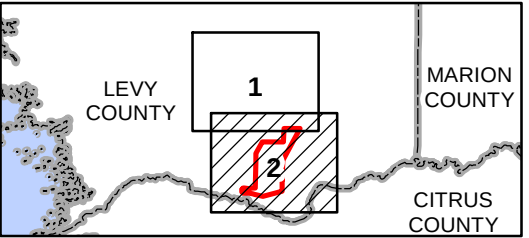
| Code | Description                 |
|------|-----------------------------|
| 110  | RESIDENTIAL, LOW DENSITY    |
| 120  | RESIDENTIAL, MEDIUM DENSITY |
| 140  | COMMERCIAL AND SERVICES     |
| 180  | RECREATIONAL                |
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| 260  | OTHER OPEN LANDS <RURAL>    |
| 320  | SHRUB AND BRUSHLAND         |
| 330  | MIXED RANGELAND             |
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| 411  | PINE FLATWOODS              |
| 412  | LONGLEAF PINE - XERIC OAK   |
| 434  | HARDWOOD - CONIFER MIXED    |
| 434  | HARDWOOD CONIFER MIXED      |
| 440  | TREE PLANTATIONS            |
| 441  | CONIFEROUS PLANTATIONS      |
| 510  | STREAMS AND WATERWAYS       |
| 520  | LAKES                       |
| 530  | RESERVOIRS                  |
| 621  | CYPRESS                     |
| 630  | WETLAND FORESTED MIXED      |
| 641  | FRESHWATER MARSHES          |
| 643  | WET PRAIRIES                |
| 653  | INTERMITTENT PONDS          |
| 810  | TRANSPORTATION              |
| 830  | UTILITIES                   |

LEGEND

- Substations
- Eagle's Nest
- FNAI Observed Species
- Interstate
- Toll Roads
- US Roads
- State Roads
- County Roads
- Railroad
- Corridor Boundary
- Proposed Levy Nuclear Plant
- County Boundary
- Municipalities

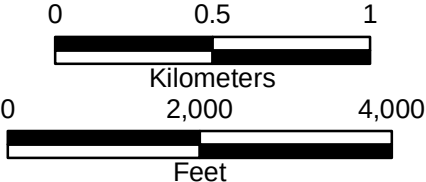


MAP KEY



**Note**  
1. Please note that the municipality boundaries are approximate.

**Sources**  
Substations, Proposed Levy Nuclear Power Plant, and Existing Transmission: Progress Energy Florida, 2008  
Florida County Boundaries: US Census Bureau, 2003  
Roads: Florida Department of Transportation, 2008  
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FNAI Observed Species: Florida Natural Areas Inventory, 2008  
Eagle's Nest Locations: FNAI, FFWCC, and Golder observation; 2007  
Municipalities: University of Florida GeoPlan Center, 2005 with Golder update 2008  
Florida Land Use, Cover & Forms Classification System: SWFWMD 2005, SJRWMD 2004  
Aerials Imagery: Aerials Express, 2007  
Corridor Boundary: Golder Associates Inc. & Progress Energy Florida, 2008



Progress Energy Florida  
**Levy Nuclear Plant  
Units 1 and 2  
Site Certification Application**

IS/IO  
Existing Land Use  
FIGURE 9-A4.3-6  
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