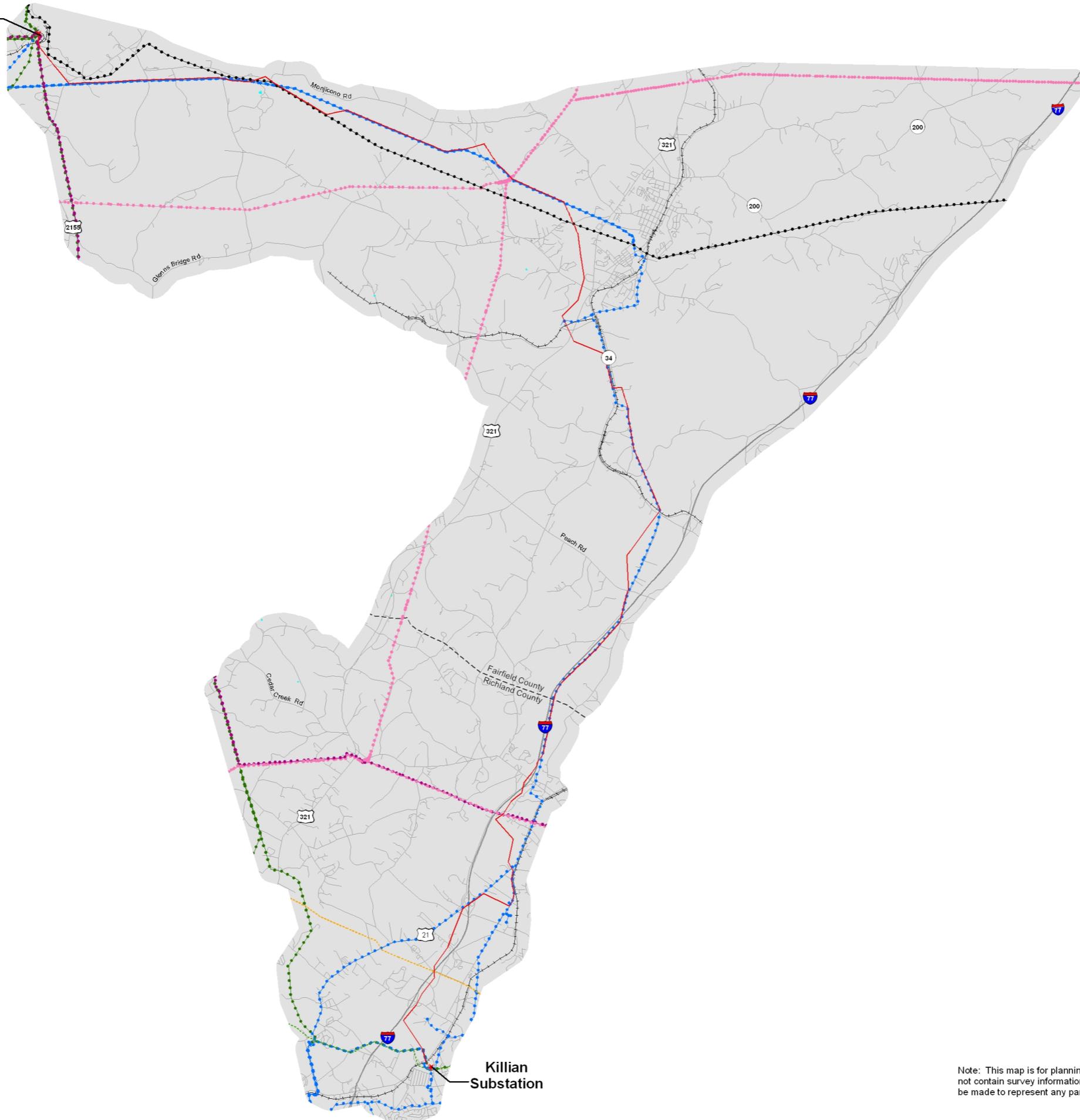


VC Summer Nuclear Station



Killian Substation



NOT DRAWN TO SCALE

- Legend**
- Potential Line Route
 - Dixie Pipeline
 - CGT Gas Line
 - Duke Energy 100 kV Transmission Line
 - Santee Cooper 69 kV Transmission Line
 - Santee Cooper 230 kV Transmission Line
 - SCE&G 115 kV Transmission Line
 - SCE&G 230 kV Transmission Line
 - County Line
 - Interstate
 - Public Road
 - Railroad
 - Adder's-Tongue
 - Adder's-Tongue - 50' Buffer
 - Eastern Floater
 - Eastern Floater - 50' Buffer
 - Granite Rock Stonecrop
 - Granite Rock Stonecrop - 50' Buffer
 - One-Flower Stitchwort
 - One-Flower Stitchwort - 50' Buffer
 - Piedmont Quillwort
 - Piedmont Quillwort - 50' Buffer
 - No Recorded Natural Resource Sites



Source: South Carolina Department of Natural Resources (Heritage Trust Program)

Natural Resources

VCSNS - Killian
230 kV Line



Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

Figure 4.6-1



NOT DRAWN TO SCALE

Legend

- Potential Line Route
- Gas Line - CGT
- Gas Line - Other
- Gas Line - Dixie
- SCE&G 33 kV Transmission Line
- SCE&G 46 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 115 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- Duke Energy 100 kV Transmission Line
- Interstate
- Public Road
- Railroad
- Protected Species
- Protected Species - 100' Buffer
- Bald Eagle
- Bald Eagle - 660' Buffer
- Bald Eagle - 1320' Buffer
- Canby's Dropwort
- Canby's Dropwort - 330' Buffer
- Colonial Waterbird
- Colonial Waterbird - 800' Buffer
- Red - Cockaded Woodpecker
- Red - Cockaded Woodpecker - 1700' Buffer
- No Recorded Natural Resource Sites
- County Line



Source: South Carolina Department of Natural Resources (Heritage Trust Program)

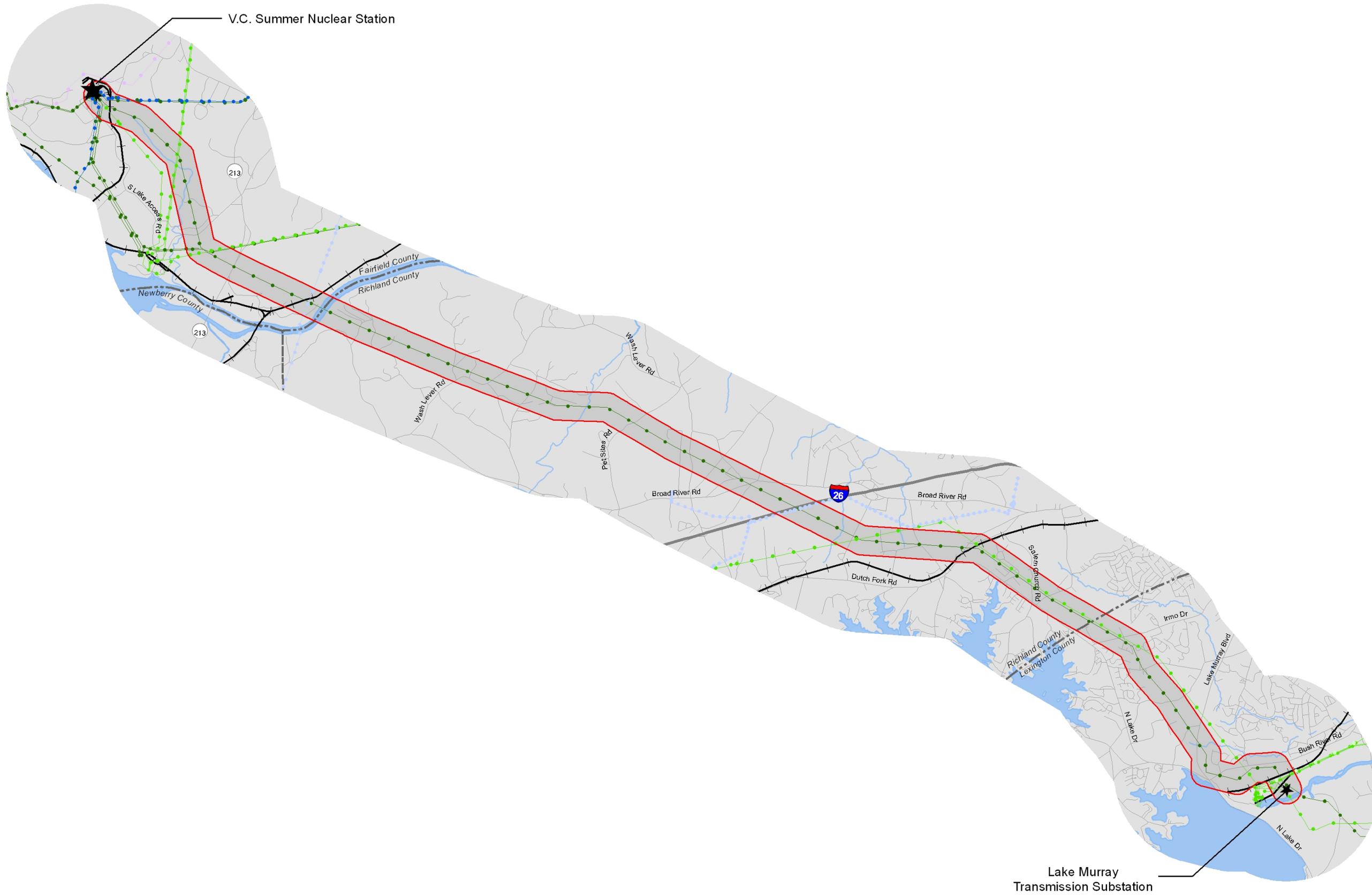
Natural Resources

VCSNS - St. George
230 kV Line



Figure 4.6-2

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



NOT DRAWN TO SCALE

- Legend**
- ▬ VCSNS - Lake Murray #2 230 kV Line Study Area
 - ▬ Duke Energy 100 kV Transmission Line
 - ▬ Santee Cooper 69 kV Transmission Line
 - ▬ Santee Cooper 230 kV Transmission Line
 - ▬ SCE&G 33 kV Transmission Line
 - ▬ SCE&G 115 kV Transmission Line
 - ▬ SCE&G 230 kV Transmission Line
 - ▬ Interstate
 - ▬ Public Road
 - ▬ Railroad
 - ▬ County Line
 - ▭ Major Lake or River
 - ▭ No Recorded Natural Resources



0 3,500 7,000 Feet

Source: South Carolina Department of Natural Resources (Heritage Trust Program)

Natural Resources

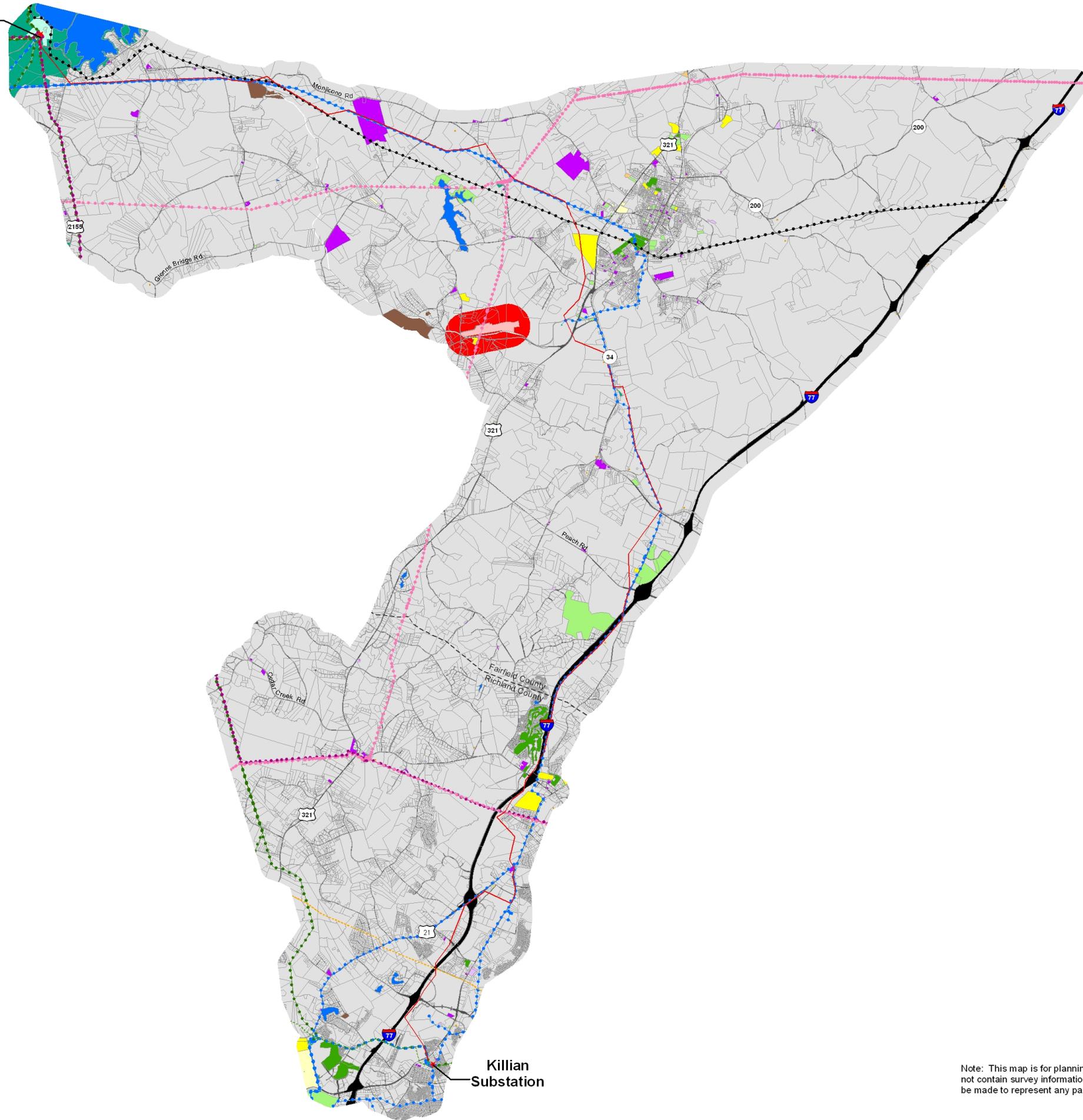
VCSNS - Lake Murray #2
230 kV Line



Figure 4.6-3

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

VC Summer Nuclear Station

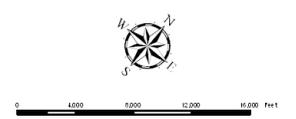


Killian Substation



NOT DRAWN TO SCALE

- Legend**
- Potential Line Route
 - Dixie Pipeline
 - CGT Gas Line
 - Duke Energy 100 kV Transmission Line
 - Santee Cooper 69 kV Transmission Line
 - Santee Cooper 230 kV Transmission Line
 - SCE&G 115 kV Transmission Line
 - SCE&G 230 kV Transmission Line
 - County Line
 - Property Line
 - Airport Facilities
 - Airport Landing Strip - 250' Buffer
 - Cemetery
 - Communication Tower 100' Buffer
 - Educational Institution
 - Electrical Transmission Right of Way - Duke Energy
 - Electrical Transmission Right of Way - Santee Cooper
 - Electrical Transmission Right of Way - South Carolina Electric & Gas
 - Gas Pipeline Right of Way - Carolina Gas Transmission Company
 - Gas Pipeline Right of Way - Dixie Gas Company
 - Health Institution
 - Land Dedicated to Public Use
 - Major Roadway
 - Place of Worship
 - Power Facility
 - Power Generation
 - Railroad Right of Way
 - Recreational Land
 - Secondary Roadway
 - Strip Mines, Quarries and Gravel Pits
 - Transportation, Communications, and Utilities
 - Water
 - Water Tower 100' Buffer
 - No Designated Land Use



Source: Fairfield and Richland County Tax Information, GeoEye Satellite Image

Land Use

VCSNS - Killian
230 kV Line



Figure 4.7-1

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



NOT DRAWN TO SCALE

Legend

- Potential Line Route
- Gas Line - CGT
- Gas Line - Other
- Gas Line - Dixie
- SCE&G 33 kV Transmission Line
- SCE&G 46 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 115 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- Duke Energy 100 kV Transmission Line
- Interstate
- Public Road
- Railroad
- Agricultural Land
- Airport Facilities
- Airport Facilities, Landing Strip - 2500' Buffer
- Cemetery
- Communication Tower with 100' Buffer
- Conservation Land
- Educational Institution
- Electrical Transmission Right-of-Way - Central Electric
- Electrical Transmission Right-of-Way - Duke Energy
- Electrical Transmission Right-of-Way - Santee Cooper
- Electrical Transmission Right-of-Way - South Carolina Electric & Gas
- Gas Line Right-of-Way - Carolina Gas Transmission Company
- Gas Line Right-of-Way - Other
- Health Institution
- Land Dedicated to Public Use
- Lookout Tower with 100' Buffer
- Major Roadway
- Place of Worship
- Power Facility
- Power Generation
- Railroad Right-of-Way
- Recreational Land
- Secondary Road
- Strip Mines, Quarries, and Gravel Pits
- Transportation, Communications, and Utilities
- Water
- Water Tower with 100' Buffer
- No Designated Land Use
- County Line



Source: Tax Offices of Aiken, Bamberg, Calhoun, Colleton, Dorchester, Fairfield, Lexington, Newberry, Orangeburg, and Saluda Counties, GeoEye Satellite Image

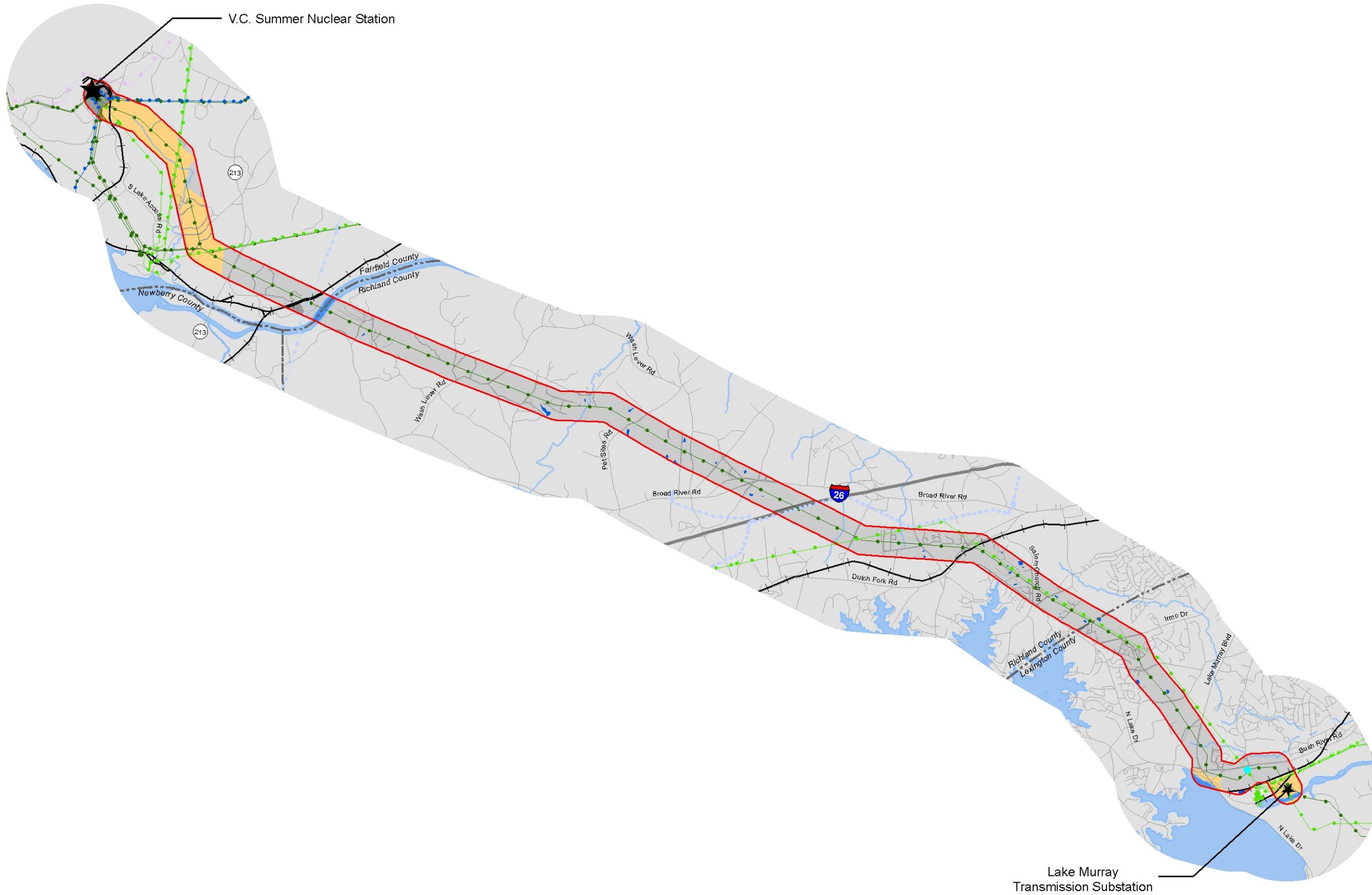
Land Use

VCSNS - St. George
230 kV Line



Figure 4.7-2

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



NOT DRAWN TO SCALE

- Legend**
- VCSNS - Lake Murray #2 230 kV Line Study Area
 - Duke Energy 100 kV Transmission Line
 - Santee Cooper 69 kV Transmission Line
 - Santee Cooper 230 kV Transmission Line
 - SCE&G 33 kV Transmission Line
 - SCE&G 115 kV Transmission Line
 - SCE&G 230 kV Transmission Line
 - Interstate
 - Public Road
 - Railroad
 - County Line
 - Major Lake or River
 - Cemetery
 - Major Roadway
 - Power Facility
 - Power Generation
 - Railroad Right-of-Way
 - Secondary Roadway
 - Transportation, Communications, and Utilities
 - Water
 - No Designated Land Use



0 3500 7000 Feet

Source: Tax Offices of Fairfield, Lexington, Newberry and Richland Counties, GeoEye Satellite Image

Land Use

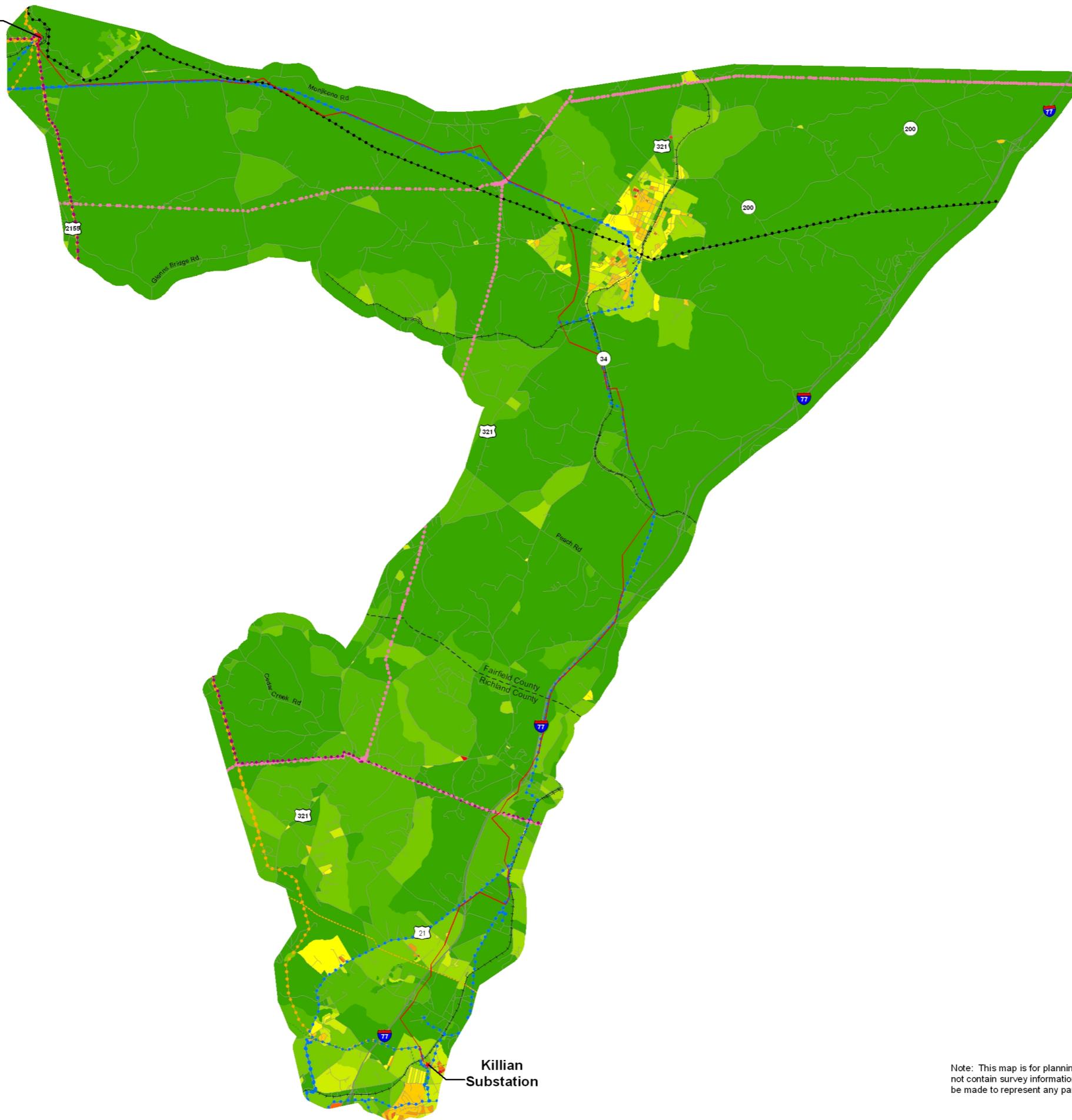
VCSNS - Lake Murray #2
230 kV Line



Figure 4.7-3

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

VC Summer Nuclear Station



Killian Substation



NOT DRAWN TO SCALE

- Legend**
- Potential Line Route
 - Dixie Pipeline
 - CGT Gas Line
 - Duke Energy 100 kV Transmission Line
 - Santee Cooper 69 kV Transmission Line
 - Santee Cooper 230 kV Transmission Line
 - SCE&G 115 kV Transmission Line
 - SCE&G 230 kV Transmission Line
 - County Line
 - Interstate
 - Public Road
 - Railroad
- < 0.05 Acres per Person
 - 0.051 - 0.0625 Acres per Person
 - 0.06251 - 0.08 Acres per Person
 - 0.081 - 0.125 Acres per Person
 - 0.1251 - 0.25 Acres per Person
 - 0.251 - 0.5 Acres per Person
 - 0.51 - 1 Acres per Person
 - 1.1 - 2 Acres per Person
 - 2.1 - 4 Acres per Person
 - 4.1 - 10 Acres per Person
 - > 10 Acres per Person



Source: U.S. Census Bureau, Tiger Files Block Data, 2000

Population Density

VCSNS - Killian
230 kV Line

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



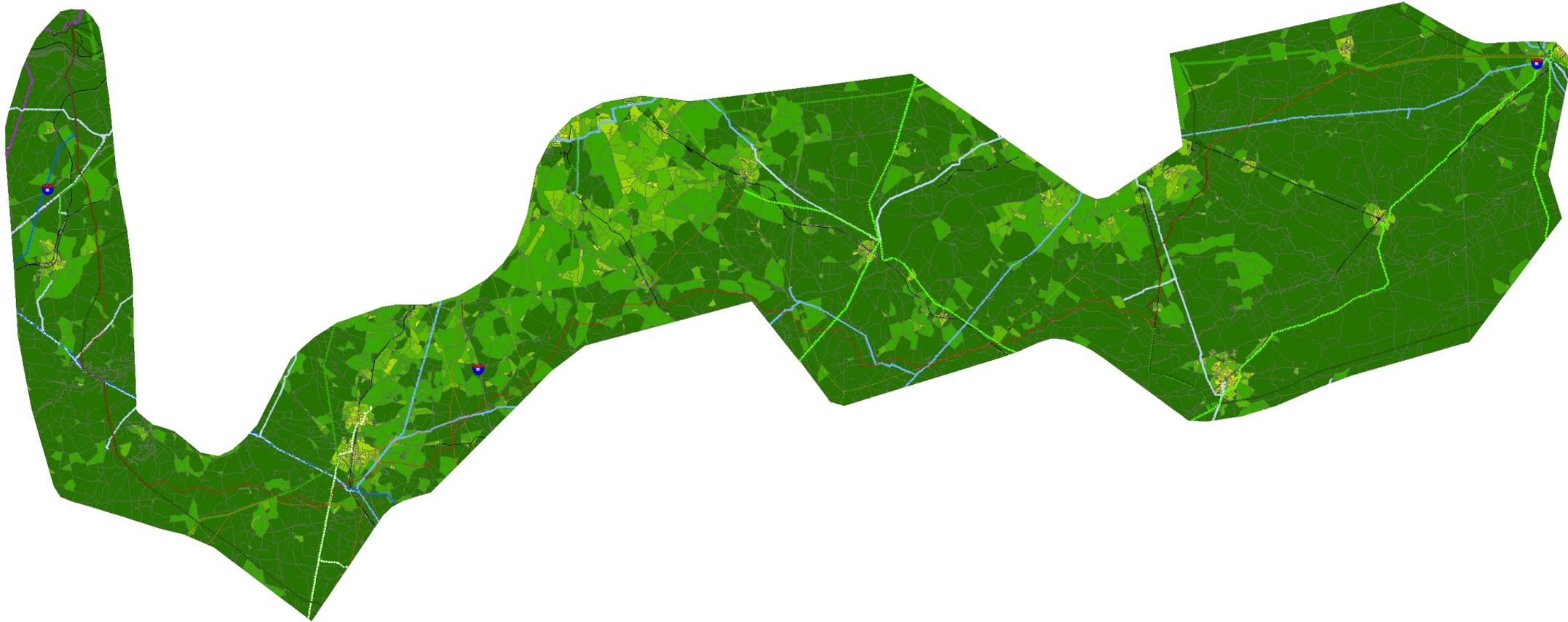
Figure 4.7-4



NOT DRAWN TO SCALE

Legend

- Potential Line Route
- Gas Line - CGT
- Gas Line - Other
- Gas Line - Dixie
- SCE&G 33 kV Transmission Line
- SCE&G 46 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 115 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- Duke Energy 100 kV Transmission Line
- Interstate
- Public Road
- Railroad
- < 0.05 Acres Per Person
- 0.051 - 0.0625 Acre Per Person
- 0.06251 - 0.08 Acre Per Person
- 0.081 - 0.125 Acre Per Person
- 0.1251 - 0.25 Acre Per Person
- 0.251 - 0.5 Acres Per Person
- 0.51 - 1 Acres Per Person
- 1.1 - 2 Acres Per Person
- 2.1 - 4 Acres Per Person
- 4.1 - 10 Acres Per Person
- > 10 Acres Per Person
- County Line



Source: U.S. Census Bureau, Tiger Files Block Data, 2000

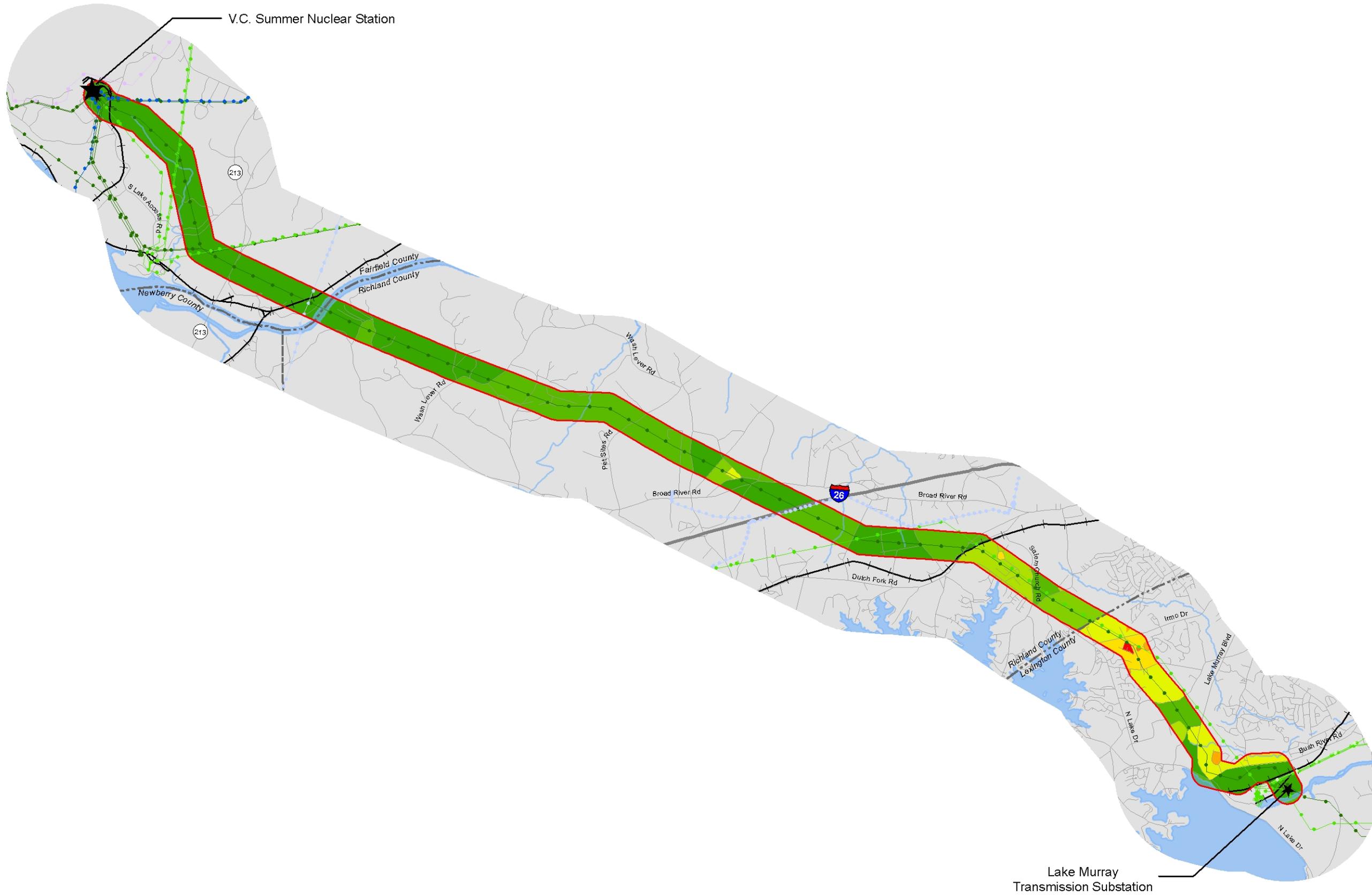
Population Density

VCSNS - St. George
230 kV Line



Figure 4.7-5

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



NOT DRAWN TO SCALE

Legend

- VCSNS - Lake Murray #2 230 kV Line Study Area
- Duke Energy 100 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- SCE&G 33 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Interstate
- Public Road
- Railroad
- County Line
- Major Lake or River
- 0.051 - 0.0625 Acres per Person
- 0.06251 - 0.08 Acres per Person
- 0.081 - 0.125 Acres per Person
- 0.1251 - 0.25 Acres per Person
- 0.251 - 0.5 Acres per Person
- 0.51 - 1 Acres per Person
- 1.1 - 2 Acres per Person
- 2.1 - 4 Acres per Person
- 4.1 - 10 Acres per Person
- > 10 Acres per Person



Source: U.S. Census Bureau, Tiger File Block Data, 2000

Population Density

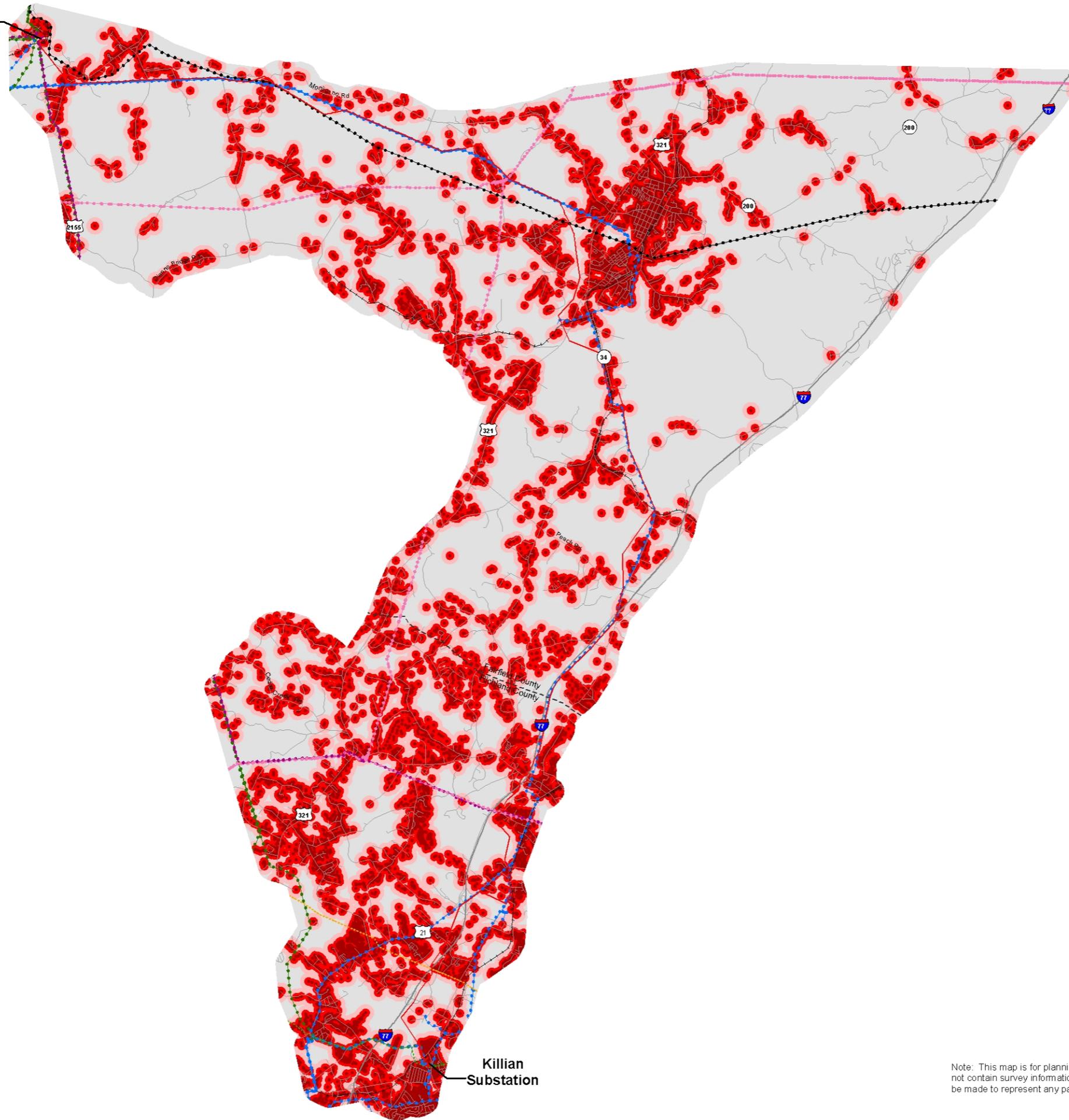
VCSNS - Lake Murray #2
230 kV Line



Figure 4.7-6

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

VC Summer Nuclear Station



Killian Substation



NOT DRAWN TO SCALE

- Legend**
- Potential Line Route
 - Dixie Pipeline
 - CGT Gas Line
 - Duke Energy 100 kV Transmission Line
 - Santee Cooper 69 kV Transmission Line
 - Santee Cooper 230 kV Transmission Line
 - SCE&G 115 kV Transmission Line
 - SCE&G 230 kV Transmission Line
 - County Line
 - Interstate
 - Public Road
 - Railroad
 - Occupied Buildings
 - Occupied Buildings 500 ft Buffer
 - Occupied Buildings 1000 ft Buffer
 - No Occupied Buildings



0 1000 2000 3000 4000 Feet

Source: GeoEye Satellite Image and Field Reconnaissance

Occupied Buildings

VCSNS - Killian
230 kV Line



Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

Figure 4.7-7



NOT DRAWN TO SCALE

Legend

- Potential Line Route
- Gas Line - CGT
- Gas Line - Other
- Gas Line - Dixie
- SCE&G 33 kV Transmission Line
- SCE&G 46 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 115 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- Duke Energy 100 kV Transmission Line
- Interstate
- Public Road
- Railroad
- Occupied Buildings - 200
- Occupied Buildings - 500
- Occupied Buildings - 1000
- No Occupied Buildings
- County Line



0 1.25 2.5 5 7.5 10 Miles

Source: GeoEye Satellite Image

Occupied Buildings

VCSNS - St. George
230 kV Line



Figure 4.7-8

Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.