

6.11 Aviation

Federal Aviation Administration ("FAA") Regulations, Part 77, establishes standards for determining obstructions in navigable airspace and sets forth requirements for FAA notification of proposed construction. These regulations require FAA notification for any construction over 200 feet in height above ground level. Also, notification is required if the obstruction is more than specified heights and falls within any restricted airspace in the approach to airports. For airports with runways longer than 3,200 feet, the restricted space extends 20,000 feet (3.3 nautical miles) from the runway. For airports with runways 3,200 feet or less, the restricted space extends 10,000 feet (1.7 nautical miles). For heliports, the restricted space extends 5,000 feet (0.8 nautical miles). No airports or airstrips are within 3.3 nautical miles of the project. No structures along the VCSNS-Killian, VCSNS-St. George or VCSNS-Lake Murray #2 230 kV Lines will exceed 200 feet in height and no airports are located within 3.3 nautical miles of the potential routes or actual route of the VCSNS-Lake Murray #2 Line. A heliport is located on the V.C. Summer Nuclear Station property and will be within 0.8 nautical miles on one or more of the lines; therefore, following preliminary engineering of the lines on the V.C. Summer Nuclear Station Site, SCE&G will file proper notifications with the FAA and consult with them as necessary to resolve any conflicts and determine any measures that must be implemented to insure safety.

6.12 Noise, Radio, and Television Interference

When a substation or transmission line is in operation, an electric field is generated in the air surrounding the current-carrying conductors. This electric field allows corona to occur, and this corona can create an audible noise. Corona is the partial electrical breakdown of the insulating properties of the air in the vicinity of the conductors of a transmission line. When the intensity of the electric field at the conductor surface exceeds the breakdown strength of the surrounding air, a corona discharge occurs at the conductor surface. Energy and heat are dissipated in very small volumes near the surface of the conductors. Part of this energy is in the form of small local pressure changes that result in audible noise.

Corona-generated audible noise can be characterized as a hissing, cracking sound which, under certain conditions, is accompanied by a 120-hertz (Hz) hum. Corona-generated audible noise is of concern primarily for electrical lines and equipment that are operated at 230 kV and higher during inclement weather conditions. The conductors of high voltage transmission lines are designed to be corona-free under ideal conditions. However, slight variations and irregularities in the conductor surface can cause distorted electric fields near the conductor surface, and the

occurrence of corona. The most common source of distorted electric fields at the conductor surface is water droplets on, or dripping from, the conductors. Therefore, audible noise from high-voltage transmission lines is generally associated with, and enhanced by, wet weather (i.e., wet conductor) phenomenon, which can occur during periods of rain, fog, snow or icing. These conditions are expected to occur infrequently and will usually be limited to a “hissing” sound that will be 40 dB or less (40 dB is comparable to a quiet library). During fair weather, insects and other contaminants on the conductor can also serve as sources of corona.

Corona on transmission line conductors can also generate electromagnetic interference for radio and television receivers. Corona generated interference is localized and not very noticeable outside the transmission line right-of-way.

Another type of radio and television interference, known as gap-type noise, is caused by an oxidized film at the point of contact between two metallic electric hardware pieces. The film acts as an insulator between the surfaces and small electric sparks, which produce noise and interference. Gap type interference normally causes radio or television interference within a mile or less of the source. When such an interference condition occurs, corrective actions can be taken to eliminate the source.

SCE&G’s construction and maintenance practices will ensure proper connections of current carrying equipment throughout the operational life of the VCSNS-Killian, VCSNS-St. George and VCSNS-Lake Murray #2 230 kV Lines; therefore, no adverse audible noise or radio and television interference effects are expected to be associated with their operation.

6.13 Safety

To provide for public safety and protection, SCE&G will design and construct the VCSNS-Killian, VCSNS-St. George and VCSNS-Lake Murray #2 230 kV Lines in a manner that will comply with, or exceed, the latest standards of the National Electrical Safety Code in effect at the time of construction. SCE&G commits to continue their long-standing tradition of operating and maintaining their facilities in a manner that will ensure public safety over the life of these facilities.

6.14 Electric and Magnetic Fields

Electric and magnetic fields (“EMF”) exist anywhere there is electricity, whether that electricity is being produced, distributed, or consumed. Thus EMF is created by power lines, residential wiring, appliances, and even by the earth itself. Since the early 1970’s, hundreds of

studies have debated the possible health effects of EMF. In 1996, the National Academy of Sciences ("NAS"), National Research Council, completed its review of the literature on the possible health risks of residential exposure to power-frequency electric and magnetic fields. In 1999, the National Institute of Environmental Health Sciences ("NIEHS") completed a comprehensive program of research and analysis to clarify the potential health risks from exposure to extremely low frequency electric and magnetic fields.

The NAS report stated, "Based on a comprehensive evaluation of published studies relating to the effects of power frequency electric and magnetic fields on cells, tissues, and organisms (including humans), the conclusion of the committee is that the current body of evidence does not show that exposure to these fields presents a human-health hazard." The NAS went on to say, "No conclusive and consistent evidence shows that exposures to residential electric and magnetic fields produce cancer, adverse neurobehavioral effects, or reproductive and developmental effects."

NIEHS concluded that the evidence for a risk of cancer and other human disease from the electric and magnetic fields around power lines is "weak." They stated that "the results of the EMF-RAPID program do not support the contention that the use of electricity poses a major unrecognized public-health danger." NIEHS Director Kenneth Olden, Ph.D., said, "The lack of consistent, positive findings in animal or mechanistic studies weakens the belief that this association is actually due to EMF, but it cannot completely discount the epidemiological findings. For that reason, and because virtually everyone in the United States is routinely exposed to EMF, efforts to encourage reductions in exposure should continue."

EMF levels drop sharply with increased distance from a power source. SCE&G has published information listing the typical 60 hertz magnetic field levels associated with 115 kV lines. Directly under the line, the range is 2.1-19.3 milliGauss (mG); at the edge of the right-of-way, the range is 0.6-3.4 mG; 50' from the edge of the right-of-way, the range is 0.3-1.9 mG. This data is the same as published by Duke Energy Corporation with respect to 100 kV lines. Moreover, Duke Energy publishes the following information regarding 230 kV Lines (SCE&G has not published similar data for 230 kV lines):

Under the line:	4.5 - 29.0 mG
Edge of right-of-way:	1.9 - 6.4 mG
50' from edge of right-of-way:	1.0 - 3.5 mG

Generally, the normal background magnetic field strength levels away from electrical devices are 0.6-1.5 mG. In homes, typical daily magnetic field strength levels around common electrical devices and appliances are higher. The following are typical magnetic field strength ranges for certain equipment as published by SCE&G and Duke Energy:

<u>Equipment</u>	<u>1 Inch</u>	<u>1 Foot</u>	<u>3 Feet</u>
Microwave oven	140.0 mG	65.0 mG	10.0 mG
Refrigerator	6.0 mG	4.0 mG	1.2 mG
Electric Range	250.0 mG	25.0 mG	2.0 mG
Electric Razor	500.0 mG	-	-
Hair Dryer	100.0 mG	30.0 mG	-
Electric can opener	5,000.0 mG	-	-
Computer terminal / TV	26.0 mG	3.4 mG	1.2 mG
Electric Clock	130.0 mG	15.5 mG	2.5 mG

6.15 Ozone

High-voltage transmission facilities may, under some conditions, produce small amounts of ozone as a consequence of corona discharge. This discharge is caused by abrasions on conductors or foreign-particle contamination of the insulators or hardware. SCE&G takes care to eliminate or minimize corona discharge from random arcing through careful design of the connections, fittings, hardware, and insulation.

Organizations such as the Illinois Institute of Technology have conducted extensive field tests under various weather conditions to detect ozone around high-voltage substations and 765 kV lines. These tests showed no significant adverse effects on plants, animals, or humans from levels of ozone that may be produced in operating transmission facilities at voltages up to 765 kV.

The VCSNS-Killian, VCSNS-St. George and VCSNS-Lake Murray #2 230 kV Lines should not produce any detectable amount of ozone under any operating condition, and thus will pose no threat to environmental quality.

CONSTRAINT WEIGHTS
SCE&G
VC Summer - Killian
230 kV Line

	0-5	6-10	11-15	16-20	21-100
	LOW	MODERATE / LOW	MODERATE	MODERATE / HIGH	HIGH

CULTURAL RESOURCES

Archaeological Site - Eligibility for the NR* Undetermined					25
Archaeological Site - Eligibility for the NR* Undetermined - 50' Buffer			15		
Archaeological Site - Eligible for the NR					25
Archaeological Site - Eligible for the NR - 50' Buffer			15		
Archaeological Site - Ineligible for the NR	5				
Archaeological Site - Ineligible for the NR - 50' Buffer	1				
Archaeological Site - Potentially Eligible for the NR					25
Archaeological Site - Potentially Eligible for the NR - 50' Buffer			15		
Historic District - Listed on the NR					100
Historic District - Listed on the NR - 500' Buffer					25
Historic District - Listed on the NR - 1000' Buffer			15		
Historic Site - Eligible for the NR					100
Historic Site - Eligible for the NR - 100' Buffer					100
Historic Site - Eligible for the NR - 500' Buffer				22	
Historic Site - Eligible for the NR - 1000' Buffer			15		
Historic Site - Ineligible for the NR				16	
Historic Site - Ineligible for the NR - 100' Buffer			11		
Historic Site - Ineligible for the NR - 500' Buffer		8			
Historic Site - Ineligible for the NR - 1000' Buffer	4				
Historic Site - Listed on the NR					100
Historic Site - Listed on the NR - 100' Buffer					100
Historic Site - Listed on the NR - 500' Buffer				22	
Historic Site - Listed on the NR - 1000' Buffer			15		
No Recorded Cultural Resource Sites	0				

*National Register of Historic Places

HYDROGRAPHY

River / Stream / Lake / Pond					50
50' Buffer					25
100' Buffer				16	
Upland	0				

WETLANDS

Palustrine Emergent			12		
Palustrine Forested					25
Palustrine Scrub / Shrub			15		
50' Buffer		7			
100' Buffer	5				
Upland	0				

LAND COVER

Fresh Water			11		
Marsh / Emergent Wetland			12		
Swamp			12		
Bottomland / Floodplain Forest					25
Dry Deciduous Forest / Woodland					25
Dry Mixed Forest / Woodland				19	
Mesic Deciduous Forest / Woodland					25
Mesic Mixed Forest / Woodland				19	
Closed Canopy Evergreen Forest / Woodland					25
Needle-Leaved Evergreen Mixed Forest / Woodland				19	
Dry Scrub / Shrub Thicket	5				
Wet Scrub / Shrub Thicket		8			
Open Canopy / Recently Cleared Forest	5				
Cultivated Land			15		
Grassland / Pasture	2				
Urban Development	2				
Urban Residential			11		

NATURAL RESOURCES

Adder's-Tongue					100
Adder's-Tongue - 50' Buffer					50
Eastern Floater					100
Eastern Floater - 50' Buffer					50
Granite Rock Stonecrop					100
Granite Rock Stonecrop - 50' Buffer					50
One-Flower Stitchwort					100
One-Flower Stitchwort - 50' Buffer					50
Piedmont Quillwort					100
Piedmont Quillwort - 50' Buffer					50
No Recorded Natural Resource Sites	0				

SOILS

Farmland Of Statewide Importance			11		
Prime Farmland		9			
Prime Farmland If Drained And Protected From Flooding Or Not Frequently Flooded		6			
Not Prime or Important Farmland	0				

FEMA FLOOD ZONES

Zone A - Areas of 100-Year Flood (No Base Flood Elevations Determined)			14		
Zone AE - Areas of 100-Year Flood (Base Flood Elevation Determined)			14		
Zone AE - Floodway					100
Zone X - Areas of 500-Year Flood	3				
Zone X - Areas Outside of 500-Year Flood	0				

CONSTRAINT WEIGHTS
SCE&G
VC Summer - Killian
230 kV Line

	0-5 LOW	6-10 MODERATE / LOW	11-15 MODERATE	16-20 MODERATE / HIGH	21-100 HIGH
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EXISTING LAND USE

Airport Facilities					100
Airport Landing Strip - 2500' Buffer					100
Cemetery					100
Communication Tower with 100' Buffer					100
Educational Institution					25
Electrical Transmission Right of Way - Duke Energy	0				
Electrical Transmission Right of Way - Santee Cooper	0				
Electrical Transmission Right of Way - South Carolina Electric & Gas	0				
Gas Pipeline Right of Way - Carolina Gas Transmission Company	5				
Gas Pipeline Right of Way - Dixie Gas Company	5				
Health Institution					25
Land Dedicated to Public Use					100
Major Roadway					25
Place of Worship					100
Power Facility	0				
Power Generation	0				
Railroad Right of Way	5				
Recreational Land					25
Secondary Road				16	
Strip Mines, Quarries and Gravel Pits					50
Transportation, Communications, and Utilities				16	
Water		10			
Water Tower with 100' Buffer					100
No Designated Land Use	5				

OCCUPIED BUILDINGS

Occupied Building					100
Occupied Building 500' Buffer				16	
Occupied Building 1000' Buffer		10			
No Occupied Buildings	0				

POPULATION DENSITY

< 0.05 Acres per Person					25
0.051 - 0.0625 Acres per Person				20	
0.06251 - 0.08 Acres per Person				16	
0.081 - 0.125 Acres per Person			14		
0.1251 - 0.25 Acres per Person			11		
0.251 - 0.5 Acres per Person		6			
0.51 - 1 Acres per Person	4				
1.1 - 2 Acres per Person	3				
2.1 - 4 Acres per Person	2				
4.1 - 10 Acres per Person	0				
< 10 Acres per Person	0				

CONSTRAINT WEIGHTS
SCE&G
VC Summer - St. George

	0-5	6-10	11-15	16-20	25
	LOW	MODERATE / LOW	MODERATE	MODERATE / HIGH	HIGH

CULTURAL RESOURCES

Archaeological Site - Eligibility for the NR* Undetermined					25
Archaeological Site - Eligibility for the NR* Undetermined - 50' Buffer			15		
Archaeological Site - Ineligible for the NR	5				
Archaeological Site - Ineligible for the NR - 50' Buffer	1				
Archaeological Site - Listed on the NR					25
Archaeological Site - Listed on the NR - 50' Buffer			15		
Archaeological Site - Potentially Eligible for the NR					25
Archaeological Site - Potentially Eligible for the NR - 50' Buffer			15		
Historic District - Eligible for the NR					100
Historic District - Eligible for the NR - 500' Buffer					100
Historic District - Eligible for the NR - 1000' Buffer					75
Historic District - Ineligible for the NR					25
Historic District - Ineligible for the NR - 500' Buffer				16	
Historic District - Ineligible for the NR - 1000' Buffer		10			
Historic District - Listed on the NR					100
Historic District - Listed on the NR - 500' Buffer					25
Historic District - Listed on the NR - 1000' Buffer			15		
Historic Site - Contributes to an Eligible District					100
Historic Site - Contributes to an Eligible District - 100' Buffer					100
Historic Site - Contributes to an Eligible District - 500' Buffer					75
Historic Site - Contributes to an Eligible District - 1000' Buffer					25
Historic Site - Eligible for the NR					100
Historic Site - Eligible for the NR - 100' Buffer					100
Historic Site - Eligible for the NR - 500' Buffer				22	
Historic Site - Eligible for the NR - 1000' Buffer			15		
Historic Site - Ineligible for the NR				16	
Historic Site - Ineligible for the NR - 100' Buffer			11		
Historic Site - Ineligible for the NR - 500' Buffer		8			
Historic Site - Ineligible for the NR - 1000' Buffer	4				
Historic Site - Listed on the NR					100
Historic Site - Listed on the NR - 100' Buffer					100
Historic Site - Listed on the NR - 500' Buffer				22	
Historic Site - Listed on the NR - 1000' Buffer			15		
Historic Site - Potentially Eligible for the NR					100
Historic Site - Potentially Eligible for the NR - 100' Buffer					100
Historic Site - Potentially Eligible for the NR - 500' Buffer					75
Historic Site - Potentially Eligible for the NR - 1000' Buffer					25
No Recorded Cultural Resource Sites	0				

*National Register of Historic Places

HYDROGRAPHY

River / Stream / Lake / Pond					50
50' Buffer					25
100' Buffer				16	
Upland	0				

WETLANDS

Palustrine Emergent			12		
Palustrine Forested					25
Palustrine Scrub / Shrub			15		
50' Buffer		7			
100' Buffer	5				
Upland	0				

LAND COVER

Bottomland / Floodplain Forest					25
Closed Canopy Evergreen Forest / Woodland					25
Cultivated Land			15		
Dry Deciduous Forest / Woodland					25
Dry Mixed Forest / Woodland				19	
Dry Scrub / Shrub Thicket	5				
Fresh Water			11		
Grassland / Pasture	2				
Marsh / Emergent Wetland			12		
Mesic Deciduous Forest / Woodland					25
Mesic Mixed Forest / Woodland				19	
Needle-Leaved Evergreen Mixed Forest / Woodland				19	
Open Canopy / Recently Cleared Forest	5				
Urban Development	2				
Urban Residential			11		
Wet Scrub / Shrub Thicket		8			

NATURAL RESOURCES

A Crayfish					100
A Crayfish - 50' Buffer					50
Awned Meadowbeauty					100
Awned Meadowbeauty - 50' Buffer					50
Bald Eagle					100
Bald Eagle - 330' Buffer					50
Bald Eagle - 660' Buffer					25
Baldwin Nutrush					100
Baldwin Nutrush - 50' Buffer					50
Black Swamp Snake					100
Black Swamp Snake - 50' Buffer					50
Blue Maiden - Cane					100
Blue Maiden - Cane - 50' Buffer					50
Boykin's Lobelia					100
Boykin's Lobelia - 50' Buffer					50
Canby's Dropwort					100
Canby's Dropwort - 330' Buffer					50
Carolina Bay					100
Carolina Bay - 50' Buffer					50
Carolina Bugleweed					100
Carolina Bugleweed - 50' Buffer					50
Carolina Slabshell					100
Carolina Slabshell - 50' Buffer					50
Chapman Beakrush					100
Chapman Beakrush - 50' Buffer					50
Chapman's Yellow - Eyed Grass					100
Chapman's Yellow - Eyed Grass - 50' Buffer					50

CONSTRAINT WEIGHTS
SCE&G
VC Summer - St. George

	0-5 LOW	6-10 MODERATE / LOW	11-15 MODERATE	16-20 MODERATE / HIGH	25 HIGH
Collin's Sedge					100
Collin's Sedge - 50' Buffer					50
Colonial Waterbird					100
Colonial Waterbird - 400' Buffer					50
Columbo					100
Columbo - 50' Buffer					50
Corkwood					100
Corkwood - 50' Buffer					50
Creeping St. John's - Wort					100
Creeping St. John's - Wort - 50' Buffer					50
Dodder; Love - Vine					100
Dodder; Love - Vine - 50' Buffer					50
Drowned Hornedrush					100
Drowned Hornedrush - 50' Buffer					50
Dwarf Burhead					100
Dwarf Burhead - 50' Buffer					50
Dwarf Milkwort					100
Dwarf Milkwort - 50' Buffer					50
Dwarf Siren					100
Dwarf Siren - 50' Buffer					50
Eastern Coral Snake					100
Eastern Coral Snake - 50' Buffer					50
Eastern Creekshell					100
Eastern Creekshell - 50' Buffer					50
Eastern Floater					100
Eastern Floater - 50' Buffer					50
Eastern Fox Squirrel					100
Eastern Fox Squirrel - 50' Buffer					50
Georgia Beargrass					100
Georgia Beargrass - 50' Buffer					50
Gopher Frog					100
Gopher Frog - 50' Buffer					50
Granite Rock Stonecrop					10
Granite Rock Stonecrop - 50' Buffer					50
Harper Beakrush					100
Harper Beakrush - 50' Buffer					50
Harperella					100
Harperella - 50' Buffer					50
Incised Groovebur					100
Incised Groovebur - 50' Buffer					50
Kidneyleaf Mud - Plantain					100
Kidneyleaf Mud - Plantain - 50' Buffer					50
Lobed Spleenwort					100
Lobed Spleenwort - 50' Buffer					50
Lobelia					100
Lobelia - 50' Buffer					50
Narrow Leaved Bluestem					100
Narrow Leaved Bluestem 50' Buffer					50
Northern Burmannia					100
Northern Burmannia - 50' Buffer					50
One-Flower Stitchwort					100
One-Flower Stitchwort - 50' Buffer					50
Outcrop					100
Outcrop - 50' Buffer					50
Paper Pondshell					100
Paper Pondshell - 50' Buffer					50
Pickering's Morning - Glory					100
Pickering's Morning - Glory - 50' Buffer					50
Piedmont Bladderwort					100
Piedmont Bladderwort - 50' Buffer					50
Piedmont Quillwort					100
Piedmont Quillwort - 50' Buffer					50
Piedmont Three - Awned Grass					100
Piedmont Three - Awned Grass - 50' Buffer					50
Piedmont Water - Milfoil					100
Piedmont Water - Milfoil - 50' Buffer					50
Pine or Gopher Snake					100
Pine or Gopher Snake - 50' Buffer					50
Pine - Leaved Golden Aster					100
Pine - Leaved Golden Aster - 50' Buffer					50
Pondspice					100
Pondspice - 50' Buffer					50
Pool Sprite					100
Pool Sprite - 50' Buffer					50
Pyramid Magnolia					100
Pyramid Magnolia - 50' Buffer					50
Rafinesque's Big - Eared Bat					100
Rafinesque's Big - Eared Bat - 50' Buffer					50
Rayed Pink Fatmucket					100
Rayed Pink Fatmucket - 50' Buffer					50
Rayner's Blueberry					100
Rayner's Blueberry - 50' Buffer					50
Red - Cockaded Woodpecker					100
Red - Cockaded Woodpecker - 1200' Buffer					50
Rhynchospora Leptocarpa					100
Rhynchospora Leptocarpa - 50' Buffer					50
Robbins Spikerush					100
Robbins Spikerush - 50' Buffer					50
Rose Coreopsis					100
Rose Coreopsis - 50' Buffer					50
Sarvis Holly					100
Sarvis Holly - 50' Buffer					50
Savannah Lilliput					100
Savannah Lilliput - 50' Buffer					50
Shadow - Witch Orchid					100
Shadow - Witch Orchid - 50' Buffer					50
Slender Arrow - Head					100
Slender Arrow - Head - 50' Buffer					50
Small - Head Gayfeather					100
Small - Head Gayfeather - 50' Buffer					50
Southeastern Sneezeweed					100
Southeastern Sneezeweed - 50' Buffer					50
Southeastern Tickseed					100
Southeastern Tickseed - 50' Buffer					50
Southern Hognose Snake					100
Southern Hognose Snake - 50' Buffer					50
Spatulate Seedbox					100
Spatulate Seedbox - 50' Buffer					50
Spotted Turtle					100
Spotted Turtle - 50' Buffer					50
Squawfoot					100
Squawfoot - 50' Buffer					50
Striped Mud Turtle					100
Striped Mud Turtle - 50' Buffer					50

CONSTRAINT WEIGHTS
SCE&G
VC Summer - St. George

	0-5 LOW	6-10 MODERATE / LOW	11-15 MODERATE	16-20 MODERATE / HIGH	25 HIGH
Sweet Pitcher - Plant					100
Sweet Pitcher - Plant - 50' Buffer					50
Thread - Leaf Sundrops					100
Thread - Leaf Sundrops - 50' Buffer					50
Tracy Beakrush					100
Tracy Beakrush - 50' Buffer					50
Water Bulrush					100
Water Bulrush - 50' Buffer					50
White Beakrush					100
White Beakrush - 50' Buffer					50
Woody Goldenrod					100
Woody Goldenrod - 50' Buffer					50
Woolly - Berry					100
Woolly - Berry - 50' Buffer					50
Yellow Lance					100
Yellow Lance - 50' Buffer					50
Yellow Violet					100
Yellow Violet - 50' Buffer					50
No Recorded Natural Resource Sites	0				

SOILS

Farmland Of Statewide Importance			11		
Prime Farmland		9			
Prime Farmland If Drained And Protected From Flooding Or Not Frequently Flooded		6			
Not Prime or Important Farmland	0				

FEMA FLOOD ZONES

Zone A - Areas of 100-Year Flood (No Base Flood Elevations Determined)			14		
Zone AE - Areas of 100-Year Flood (Base Flood Elevation Determined)			14		
Zone B - Areas Between 100-Year Flood and 500-Year Flood					
Zone X - Areas of 500-Year Flood	3				
Zone X - Areas Outside of 500-Year Flood	0				
Not Mapped	0				

EXISTING LAND USE

Agricultural Land				20	
Airport Facilities					100
Airport Facilities, Landing Strip - 2500' Buffer					100
Cemetery					100
Communication Tower with 100' Buffer					100
Conservation Land					100
Educational Institution					25
Electrical Transmission Right-of-Way - Central Electric	0				
Electrical Transmission Right-of-Way - Duke Energy	0				
Electrical Transmission Right-of-Way - Santee Cooper	0				
Electrical Transmission Right-of-Way - South Carolina Electric & Gas	0				
Gas Pipeline Right-of-Way - Carolina Gas Transmission Company	5				
Gas Pipeline Right-of-Way - Other	5				
Health Institution					25
Land Dedicated to Public Use					100
Lookout Tower with 100' Buffer					100
Major Roadway					25
Place of Worship					100
Power Facility	0				
Power Generation	0				
Railroad Right-of-Way	5				
Recreational Land					25
Secondary Road				16	
Strip Mines, Quarries and Gravel Pits				16	50
Transportation, Communications, and Utilities				16	
Water		10			
Water Tower with 100' Buffer					100
No Designated Land Use	5				

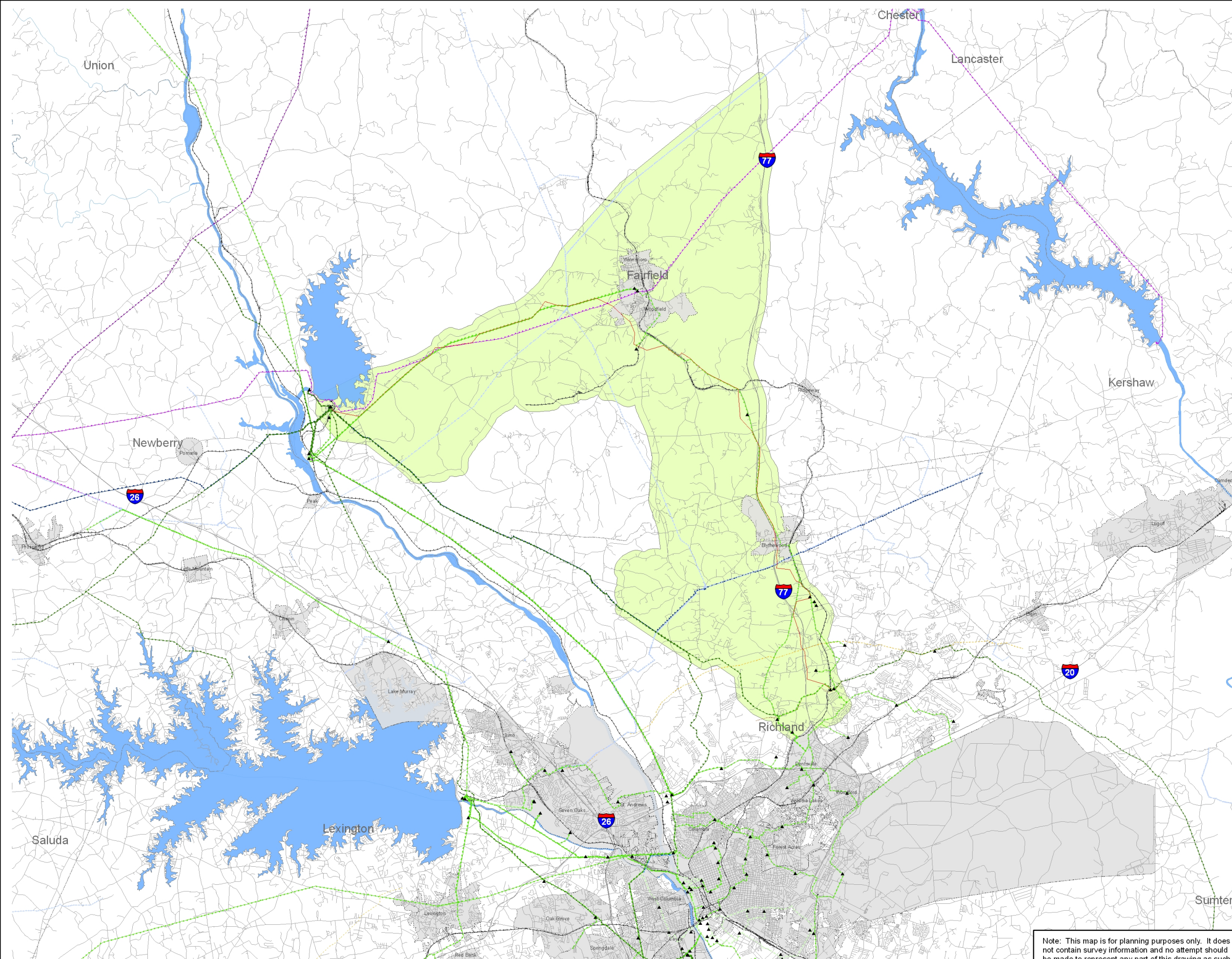
OCCUPIED BUILDINGS

Occupied Building					100
Occupied Building 500' Buffer				16	
Occupied Building 1000' Buffer		10			
No Occupied Buildings	0				

POPULATION DENSITY

< 0.05 Acres per Person					25
0.051 - 0.0625 Acres per Person				20	
0.06251 - 0.08 Acres per Person				16	
0.081 - 0.125 Acres per Person			14		
0.1251 - 0.25 Acres per Person			11		
0.251 - 0.5 Acres per Person		6			
0.51 - 1 Acres per Person	4				
1.1 - 2 Acres per Person	3				
2.1 - 4 Acres per Person	2				
4.1 - 10 Acres per Person	0				
< 10 Acres per Person	0				

Figure 1.1-1	SCE&G Electric Service Area (<i>See page 1</i>)
Figure 2.0-1	SCE&G Transmission Line Siting Process (<i>See page 7</i>)
Figure 3.1-1	VCSNS-Killian 230 kV Line Potential Line Route (<i>See page 9</i>)
Figure 3.1-2	VCSNS-Lake Murray #2 230 kV Line Route Location (<i>See page 10</i>)
Figure 3.1-3	VCSNS-St. George 230 kV Line Potential Line Route (<i>See page 10</i>)
Figure 3.1-4	Typical SCE&G Single-Circuit 230 kV Delta Structure Configuration (<i>See page 12</i>)
Figure 3.1-5	Typical SCE&G Double-Circuit 230 kV Structure Configuration (<i>See page 13</i>)
Figure 3.3-1	VCSNS-Killian and VCSNS-St. George 230 kV Lines Siting Study Areas (<i>See page 16</i>)



NOT DRAWN TO SCALE

Legend

- ▲ SCE&G Substation
- Potential Line Route
- Interstate
- Public Road
- Railroad
- Major River
- Duke Energy 44 kV Transmission Line
- Duke Energy 100 kV Transmission Line
- Duke Energy 230 kV Transmission Line
- Santee Cooper 69 kV Transmission Line
- Santee Cooper 115 kV Transmission Line
- Santee Cooper 230 kV Transmission Line
- SCE&G 33 kV Transmission Line
- SCE&G 46 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Gas Line - CGT
- Gas Line - Other
- Gas Line - Dixie
- County Line
- Incorporated Areas
- Major Lake or River



0 7,000 14,000 21,000 28,000 Feet

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

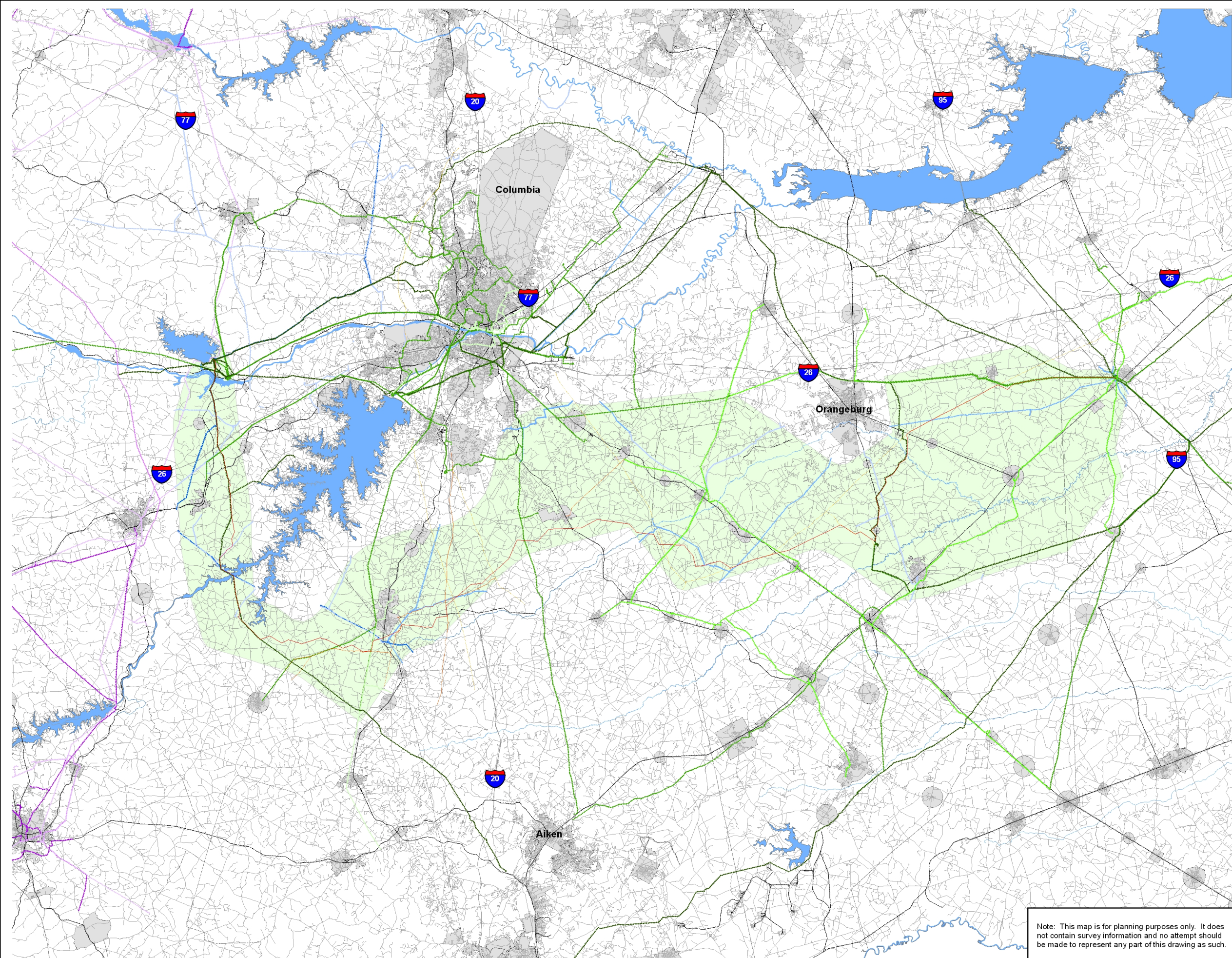
Existing Transmission Facilities

VCSNS - Killian
230 kV Line



Figure 3.3-2

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

- Potential Line Route
- Interstate
- Public Road
- Railroad
- 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
- Duke Energy 230 kV Transmission Line
- Duke Energy 44 kV Transmission Line
- Duke Energy 500 kV Transmission Line
- County Line
- Incorporated Areas
- Major Lake or River



0 1.5 3 6 9 12 Miles

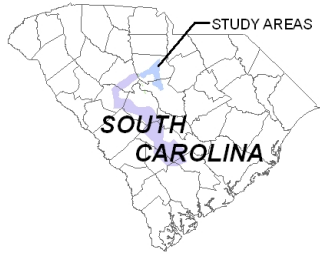
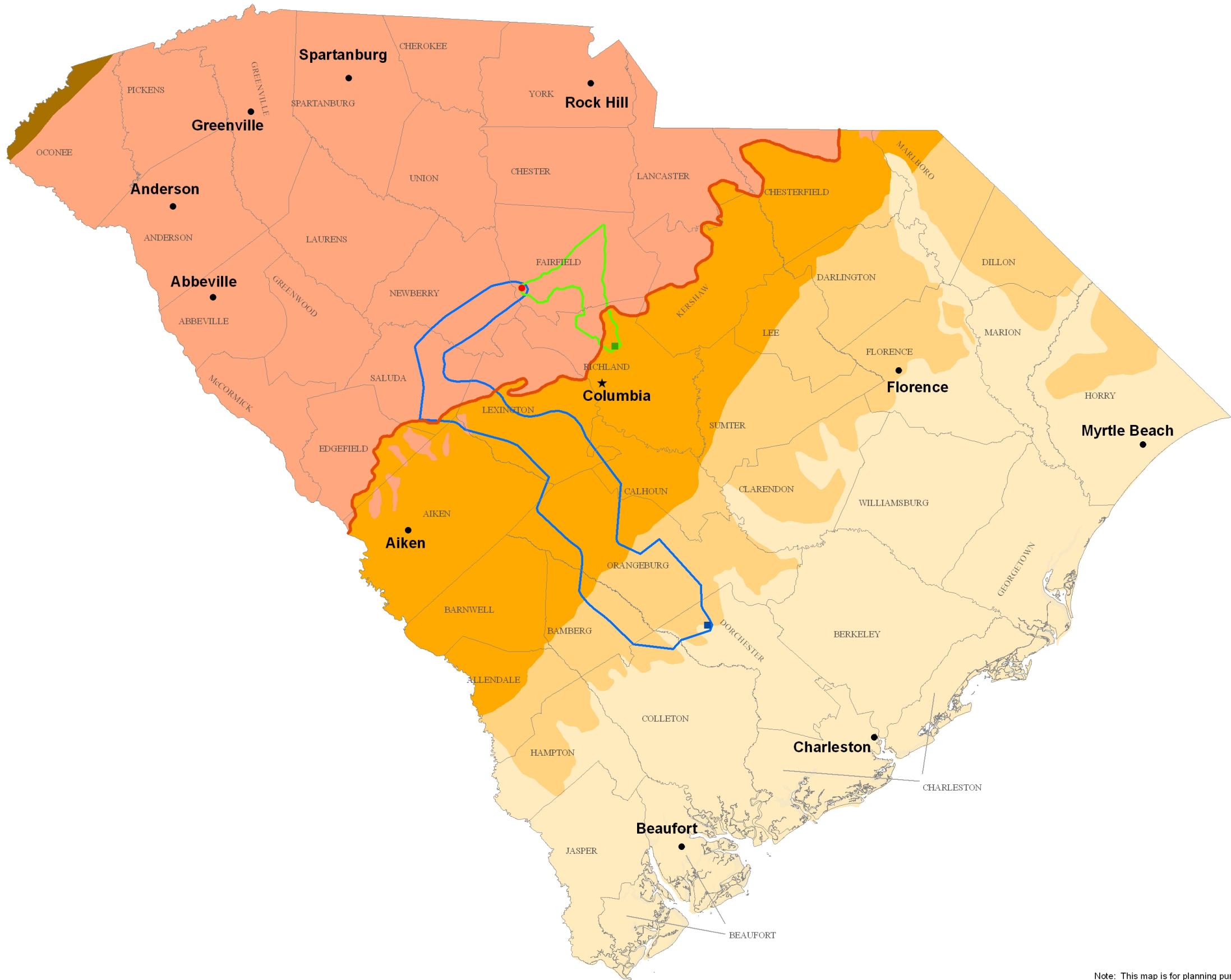
Existing
Transmission
Facilities

VCSNS - St. George
230 kV Line



Figure 3.3-3

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.



NOT DRAWN TO SCALE

Legend

- VC Summer Nuclear Station
- St. George 230 kV Transmission Substation
- Killian 230/115 kV Transmission Substation
- Fall Line
- County Boundary
- VCSNS - Killian Siting Study Area
- VCSNS - St. George Siting Study Area
- Blue Ridge
- Piedmont
- Upper Coastal
- Middle Coastal
- Lower Coastal

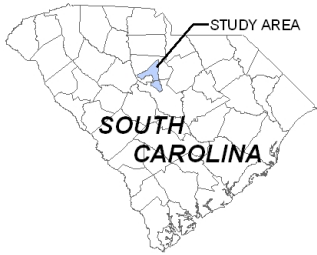
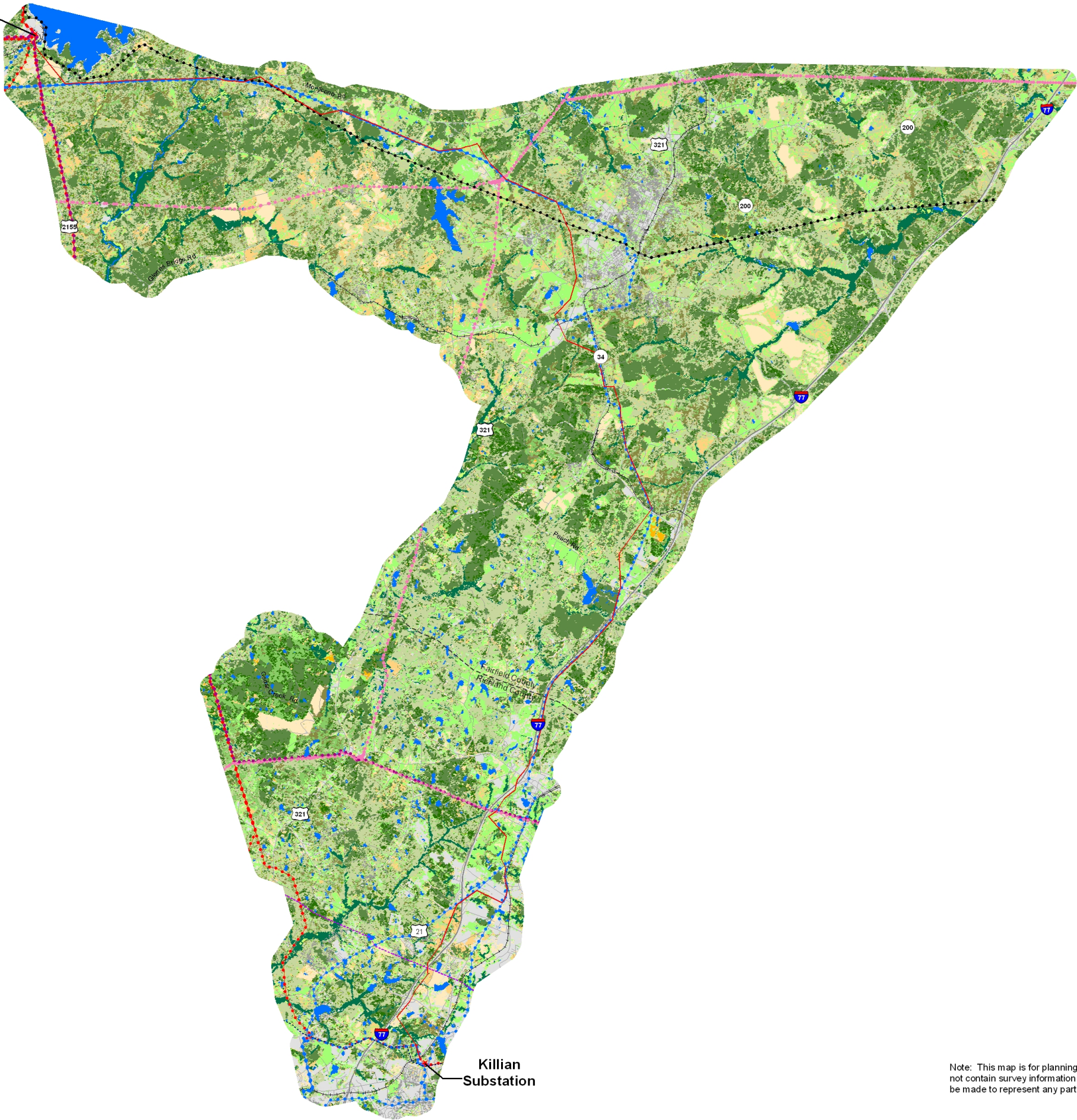
**S. C.
Physiographic
Regions**



Figure 4.1-1

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.

VC Summer Nuclear Station



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
- Bottomland / Flood Plain Forest
- Closed Canopy Evergreen Forest / Woodland
- Cultivated Land
- Dry Deciduous Forest / Woodland
- Dry Mixed Forest / Woodland
- Dry Scrub / Shrub Thicket
- Fresh Water
- Grassland / Pasture
- Marsh / Emergent Wetland
- Mesic Deciduous Forest / Woodland
- Mesic Mixed Forest / Woodland
- Needle-Leaved Evergreen Mixed Forest / Woodland
- Open Canopy / Recently Cleared Forest
- Swamp
- Urban Development
- Urban Residential
- Wet Scrub / Shrub Thicket



0 4000 8000 12000 16000 Feet

Source: GeoEye Satellite Image

Land Cover

VCSNS - Killian
230 kV Line



Figure 4.2-1

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
- Bottomland / Floodplain Forest
- Closed Canopy Evergreen Forest / Woodland
- Cultivated Land
- Dry Deciduous Forest / Woodland
- Dry Mixed Forest / Woodland
- Dry Scrub / Shrub Thicket
- Fresh Water
- Grassland / Pasture
- Marsh / Emergent Wetland
- Mesic Deciduous Forest / Woodland
- Mesic Mixed Forest / Woodland
- Needle-Leaved Evergreen Mixed Forest / Woodland
- Open Canopy / Recently Cleared Forest
- Pine Woodland
- Pocosin
- Urban Development
- Urban Residential
- Wet Evergreen
- Wet Scrub / Shrub Thicket
- County Line



0 1.25 2.5 5 7.5 10 Miles

Source: GeoEye Satellite Image

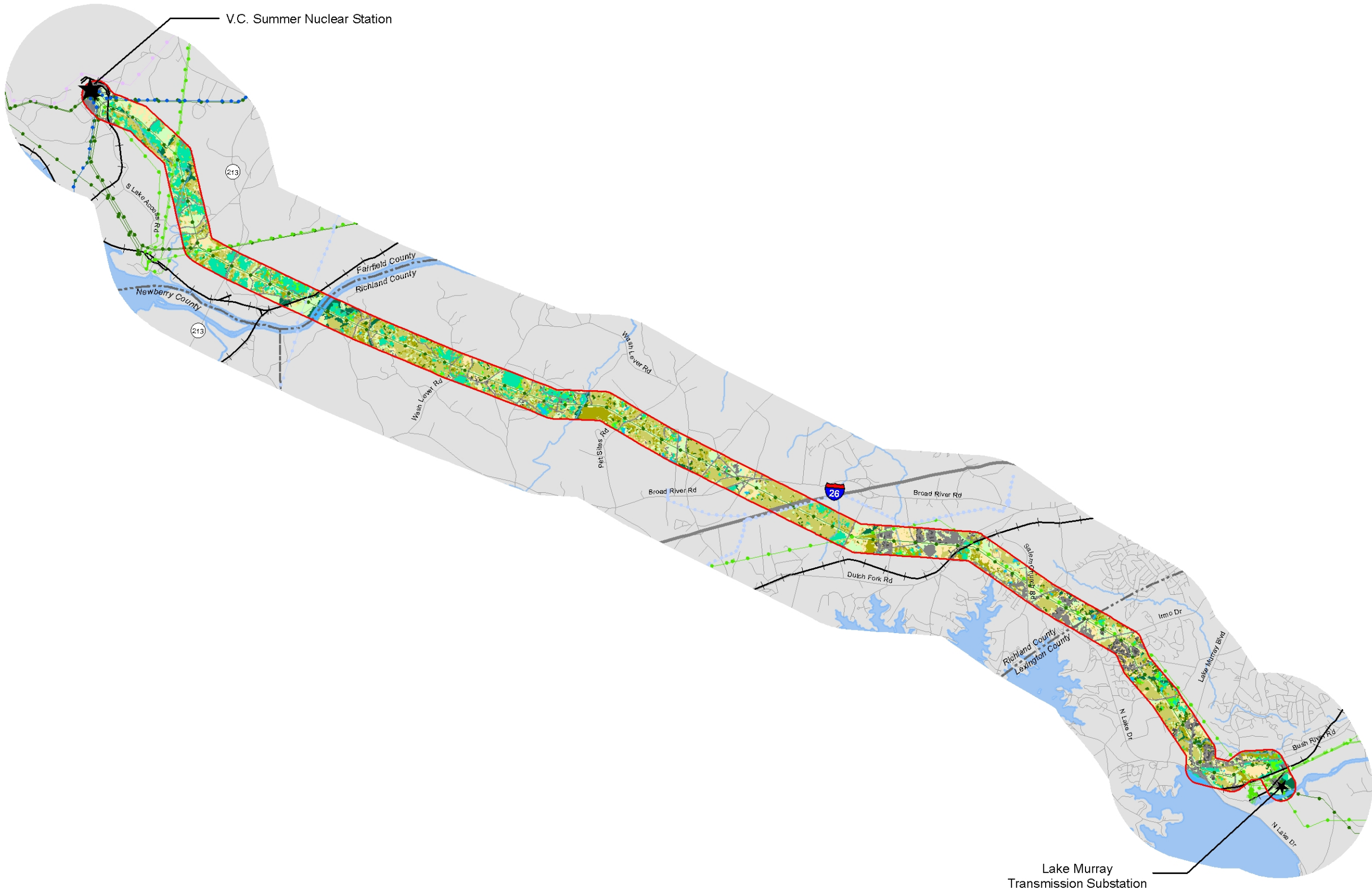
Land Cover

VCSNS - St. George
230 kV Line



Figure 4.2-2

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
 - Bottomland / Floodplain Forest
 - Closed Canopy Evergreen Forest / Woodland
 - Cultivated Land
 - Dry Deciduous Forest / Woodland
 - Dry Mixed Forest / Woodland
 - Dry Scrub / Shrub Thicket
 - Fresh Water
 - Grassland / Pasture
 - Mesic Deciduous Forest / Woodland
 - Mesic Mixed Forest / Woodland
 - Needle-Leaved Evergreen Mixed Forest / Woodland
 - Open Canopy / Recently Cleared Forest
 - Pine Woodland
 - Pocosin
 - Unclassified Land Cover
 - Urban Development
 - Urban Residential
 - Wet Scrub / Shrub Thicket



0 3500 7000 Feet

Source: GeoEye Satellite Image

Land Cover

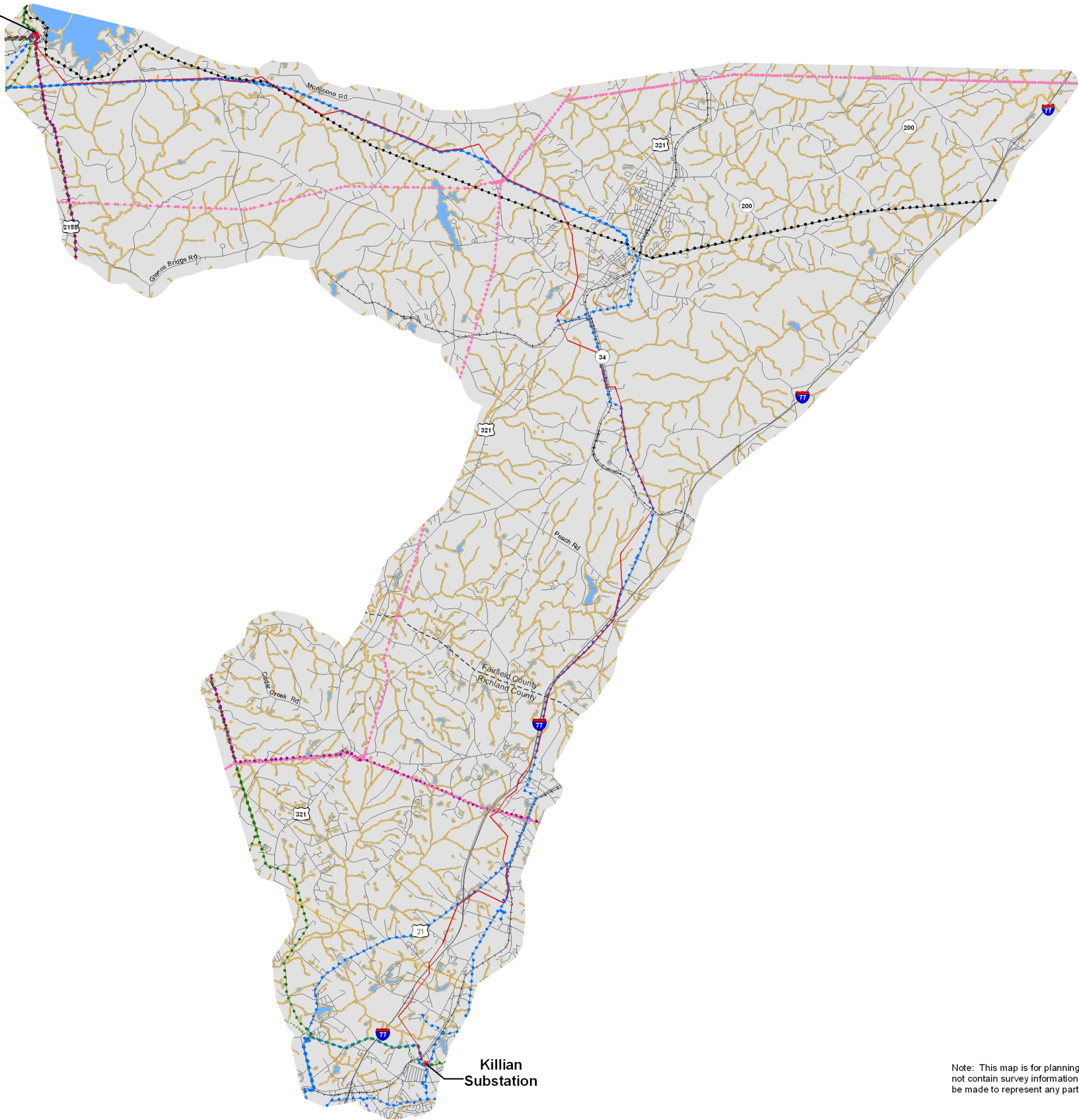
VCSNS - Lake Murray #2
230 kV Line



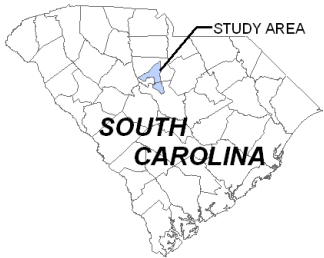
Figure 4.2-3

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
- Stream
- River / Stream / Lake / Pond
- 50' Buffer
- 100' Buffer
- Upland



0 4,000 8,000 12,000 16,000 Feet

Source: USGS Digital Line Graphs and USGS Digital Orthophoto Quadrangle
Maps Were Reviewed and Recently Built Lakes and Ponds Were Added

Hydrography

VCSNS - Killian
230 kV Line



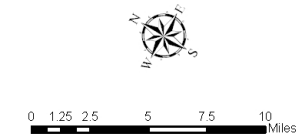
Figure 4.4-1

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
 - River / Stream / Lake / Pond
 - 50' Buffer
 - 100' Buffer
 - Upland
 - County Line



Source: USGS Digital Line Graphs

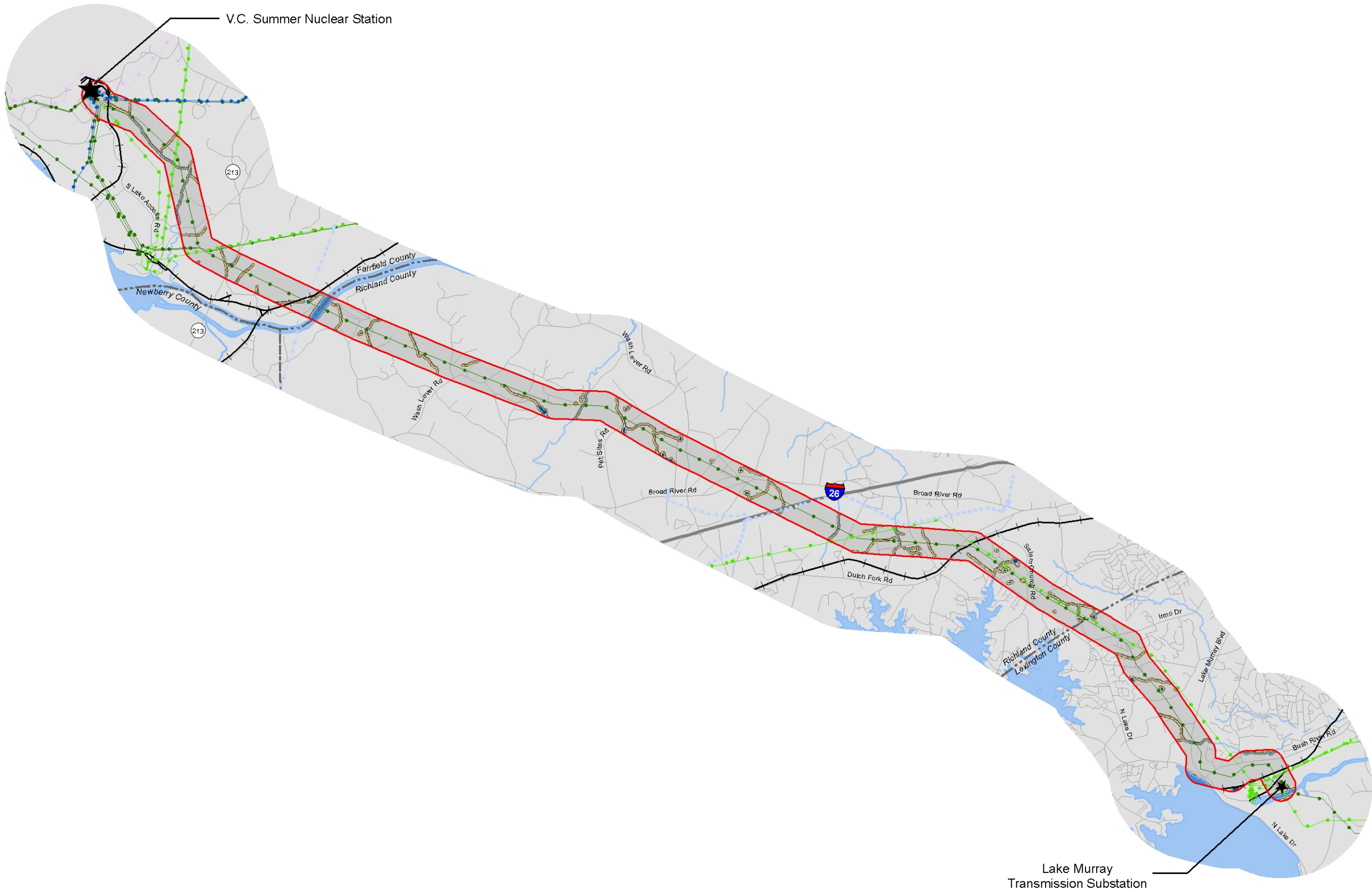
Hydrography

VCSNS - St. George
230 kV Line



Figure 4.4-2

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
- Interstate
- SCE&G 33 kV Transmission Line
- SCE&G 115 kV Transmission Line
- SCE&G 230 kV Transmission Line
- Public Road
- Railroad
- County Line
- Major Lake or River
- Water
- Upland
- 50' Buffer
- 100' Buffer



0 3500 7000 Feet

Source: USGS Digital Line Graphs and USGS Digital Orthophoto Quadrangle Maps Were Reviewed and Recently Built Lakes and Ponds Were Added

Hydrography

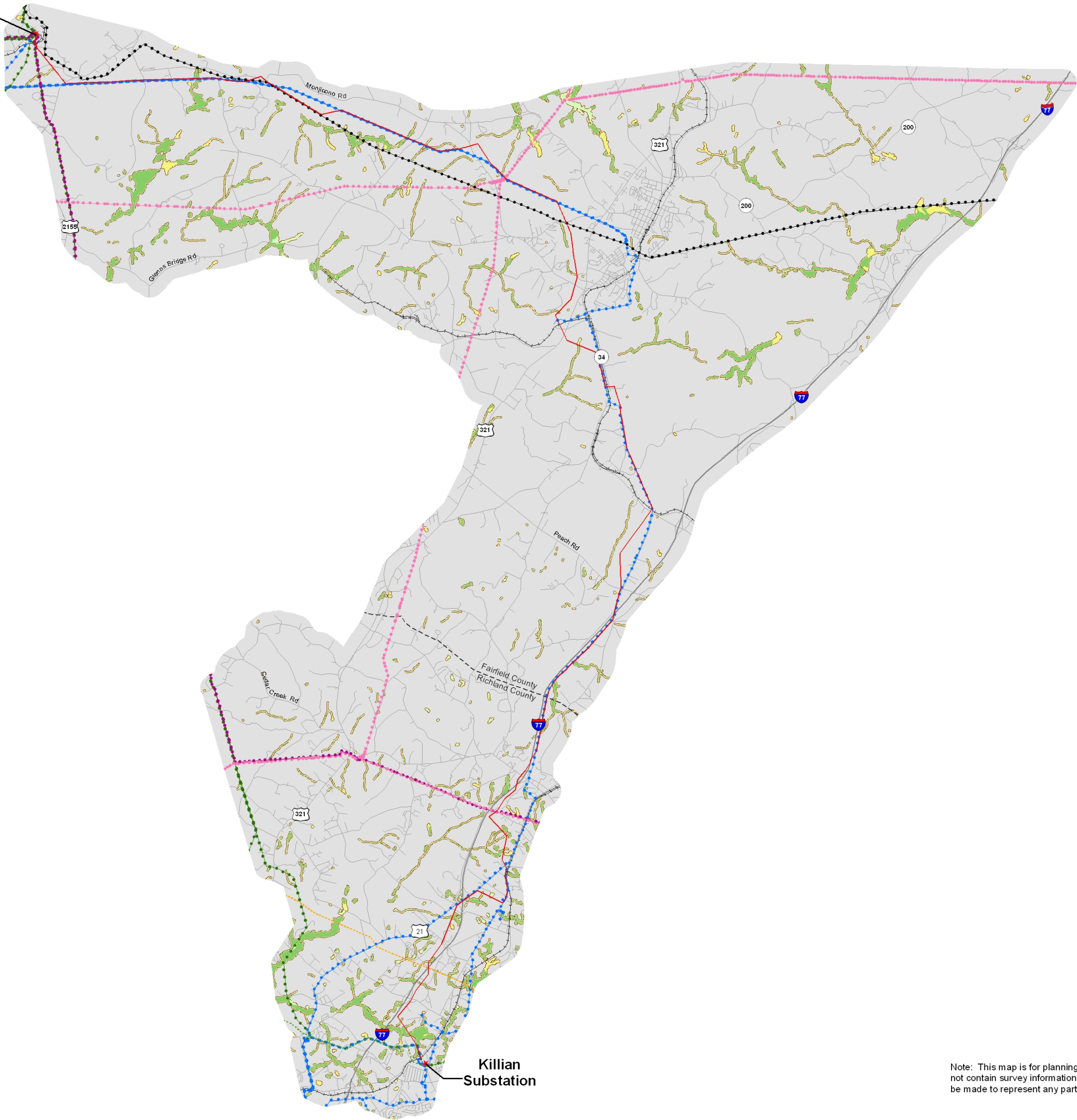
VCSNS - Lake Murray #2
230 kV Line



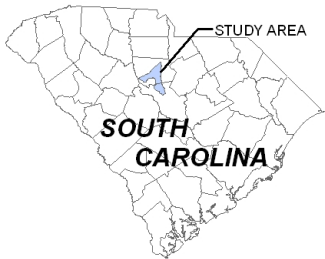
Figure 4.4-3

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

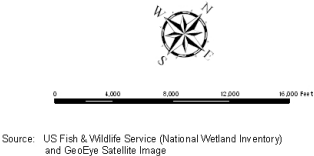


Killian Substation



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
 - Palustrine Emergent
 - Palustrine Forested
 - Palustrine Scrub / Shrub
 - 50' Buffer
 - 100' Buffer
 - Upland



Source: US Fish & Wildlife Service (National Wetland Inventory) and GeoEye Satellite Image

Wetlands

VCSNS - Killian
230 kV Line



Figure 4.4-4

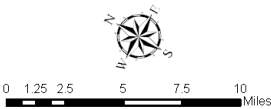
Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.



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
- Palustrine Emergent
- Palustrine Forested
- Palustrine Scrub / Shrub
- Upland
- 50' Buffer
- 100' Buffer
- County Line



Source: US Fish and Wildlife Service
(National Wetland Inventory)

Wetland

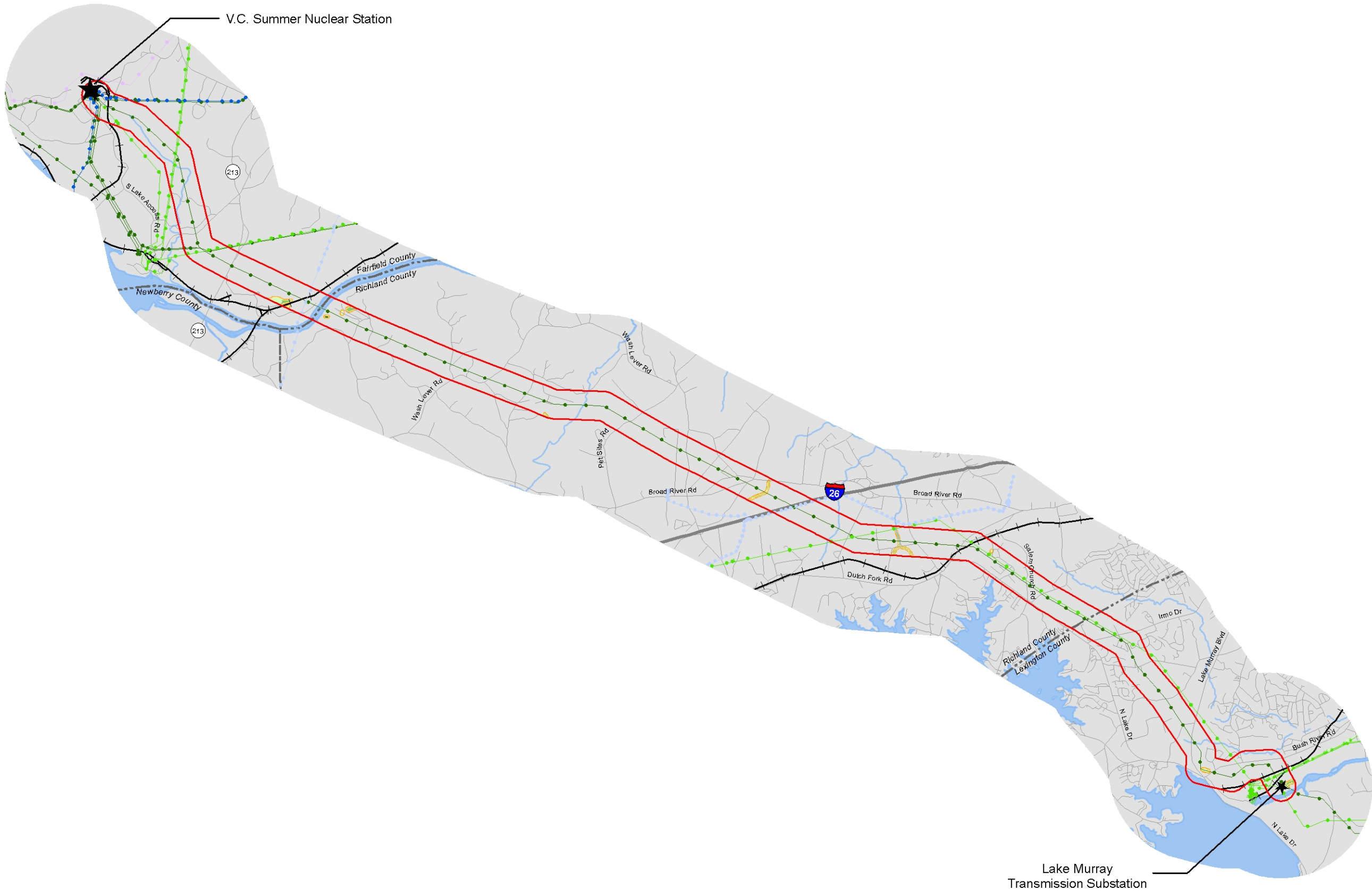
VCSNS - St. George
230 kV Line



Figure 4.4-5

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
- Palustrine Emergent
- Palustrine Forested
- Palustrine Scrub / Shrub
- 50' Buffer
- 100' Buffer
- Upland



0 3,500 7,000 Feet
Source: US Fish & Wildlife Service (National Wetland Inventory)
and GeoEye Satellite Image

Wetlands

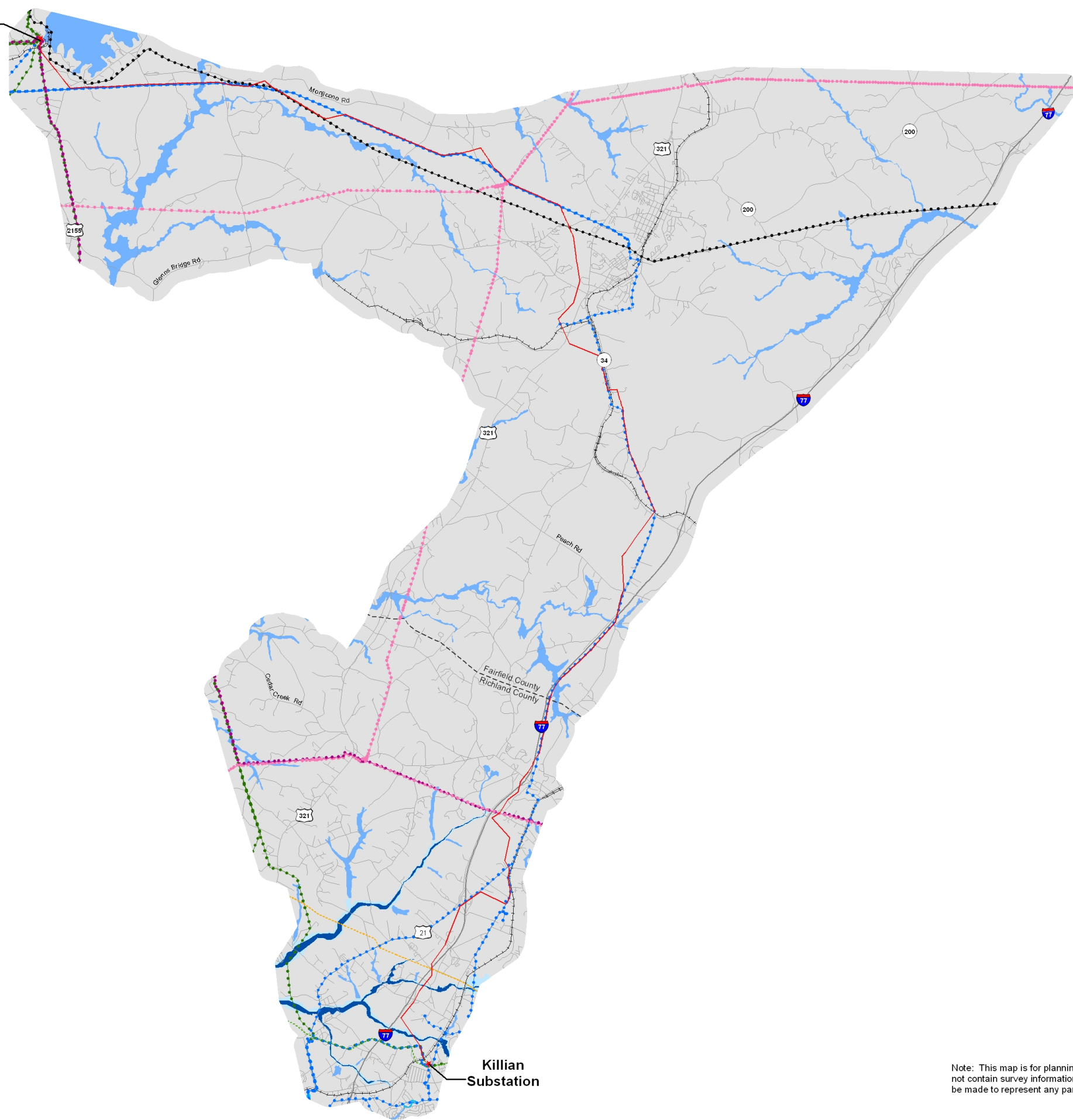
VCSNS - Lake Murray #2
230 kV Line



Figure 4.4-6

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



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
 - Zone A - Areas of 100-Year Flood (No Base Flood Elevation Determined)
 - Zone AE - Areas of 100-Year Flood (Base Flood Elevation Determined)
 - Zone AE - Floodway
 - Zone X - Areas of 500-Year Flood
 - Zone X - Areas Outside of 500-Year Flood



Source: Federal Emergency Management Agency

FEMA Flood Zones

VCSNS - Killian
230 kV Line



Figure 4.4-7

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
 - Zone A - Areas of 100-Year Flood (No Base Flood Elevations Determined)
 - Zone AE - Areas of 100-Year Flood (Base Flood Elevations Determined)
 - Zone B - Areas Between Limits of the 100-Year Flood and 500-Year
 - Zone C - Areas of Minimal Flooding
 - Zone X - Areas Determined to be Outside 500-Year Flood Plain
 - Zone X - Areas of 500-Year Flood
 - Not Mapped
 - County Line



0 1.25 2.5 5 7.5 10 Miles

Source: Federal Emergency Management Agency

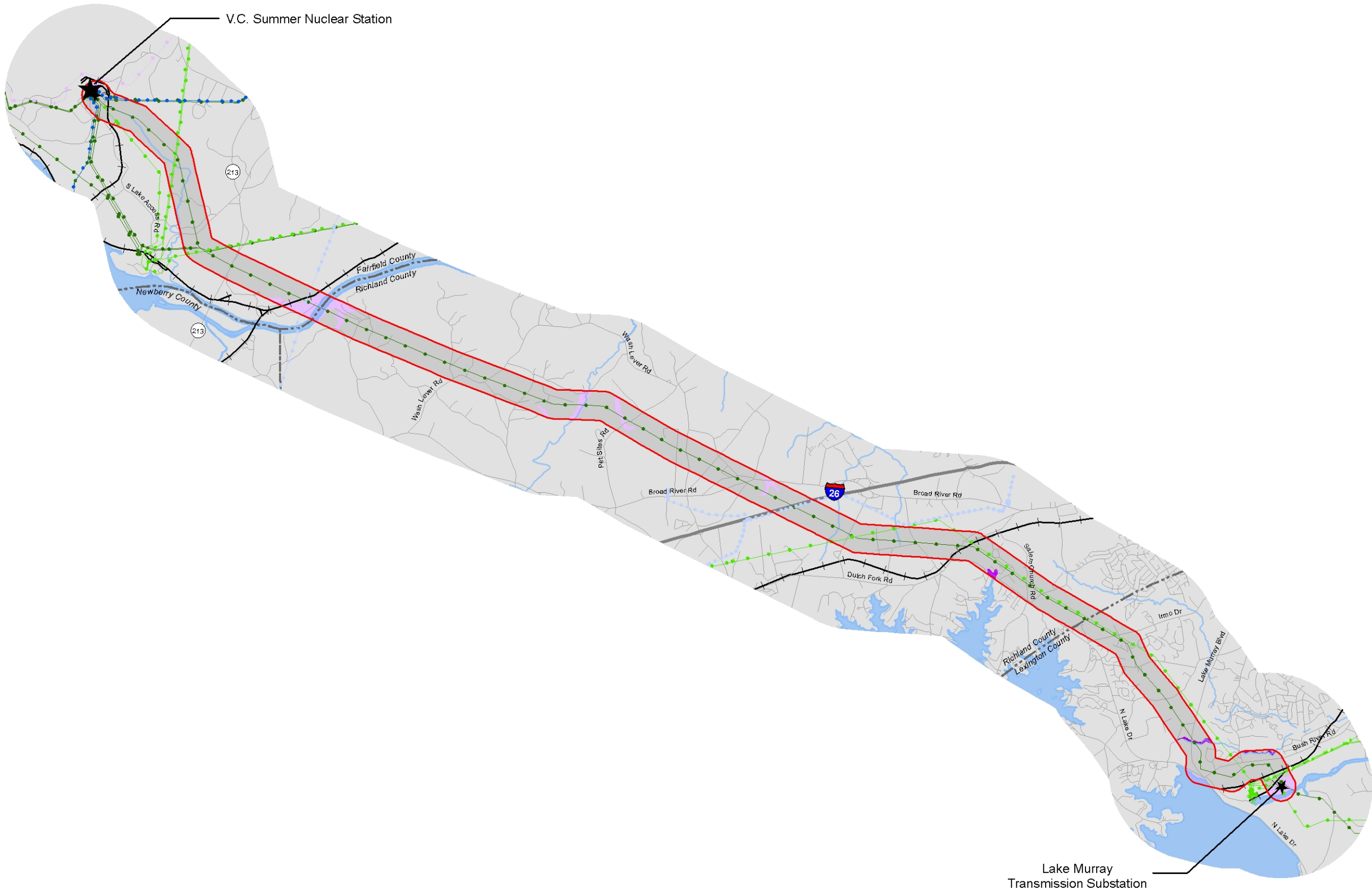
FEMA Flood Zones

VCSNS - St. George
230 kV Line



Figure 4.4-8

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.



NOT DRAWN TO SCALE

- Legend**
- VC SNS - 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
 - Zone A - Areas of 100-Year Flood (No Base Flood Elevations Determined)
 - Zone AE - Areas of 100-Year Flood (Base Flood Elevations Determined)
 - Zone AE - Floodway
 - Zone X - Areas Determined to be Outside 500-Year Flood Plain



0 3500 7000 Feet

Source: Federal Emergency Management Agency

FEMA: Flood Zones

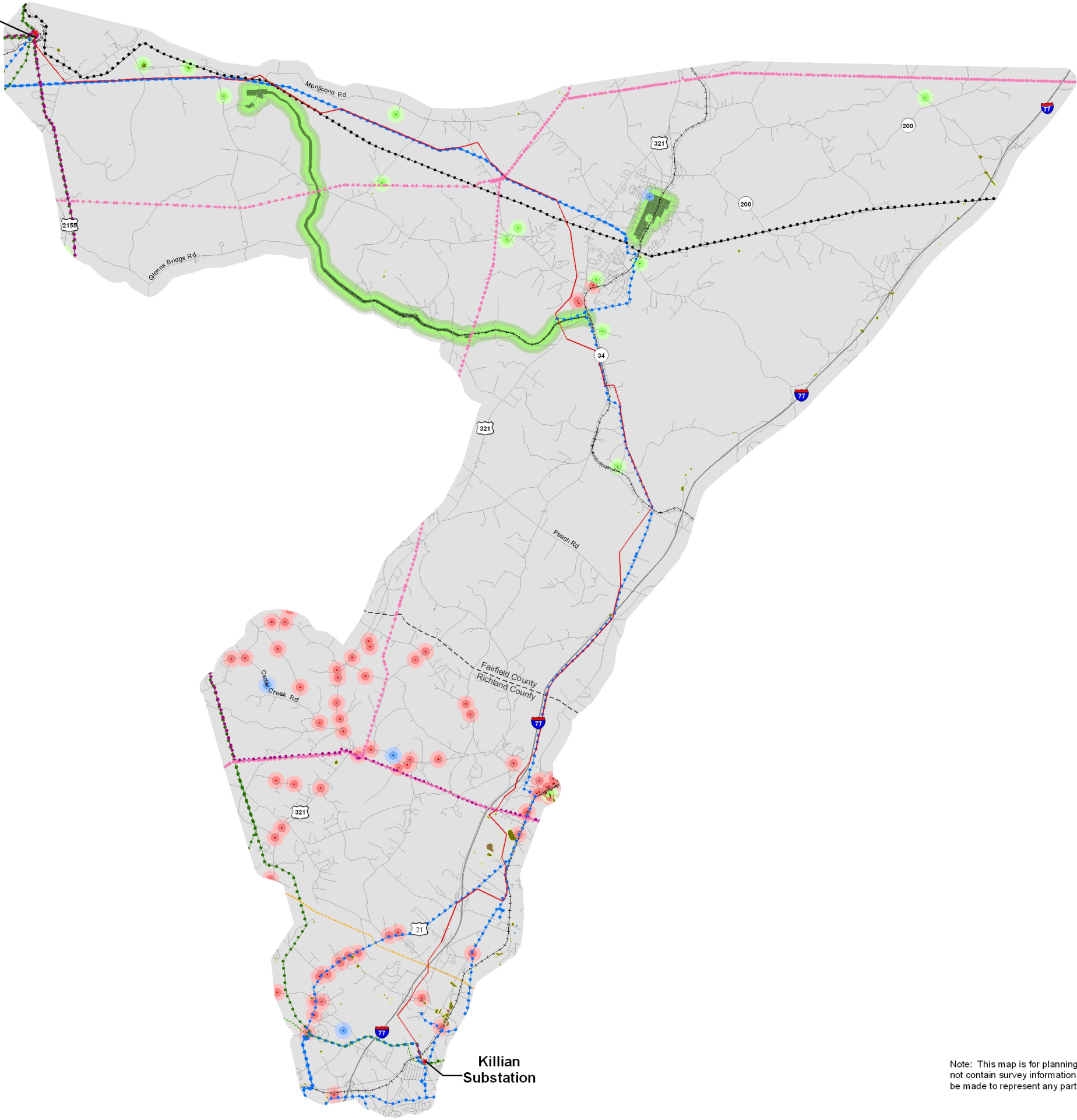
VCSNS - Lake Murray #2
230 kV Line



Figure 4.4-9

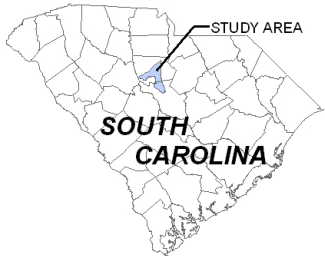
Note: This map is for planning purposes only. It does not contain survey information and no attempt should be made to represent any part of this drawing as such.

VC Summer Nuclear Station



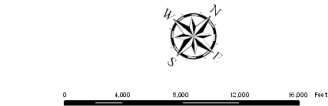
Killian Substation

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
 - 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
 - Archaeological Site - Eligibility for the NR* Undetermined
 - Archaeological Site - Eligibility for the NR Undetermined - 50' Buffer
 - Archaeological Site - Eligible for the NR
 - Archaeological Site - Eligible for the NR - 50' Buffer
 - Archaeological Site - Ineligible for the NR
 - Archaeological Site - Ineligible for the NR - 50' Buffer
 - Archaeological Site - Potentially Eligible for the NR
 - Archaeological Site - Potentially Eligible for the NR - 50' Buffer
 - Historic District - Listed on the NR
 - Historic District - Listed on the NR - 500' Buffer
 - Historic District - Listed on the NR - 1000' Buffer
 - Historic Site - Eligible for the NR
 - Historic Site - Eligible for the NR - 100' Buffer
 - Historic Site - Eligible for the NR - 500' Buffer
 - Historic Site - Eligible for the NR - 1000' Buffer
 - Historic Site - Ineligible for the NR
 - Historic Site - Ineligible for the NR - 100' Buffer
 - Historic Site - Ineligible for the NR - 500' Buffer
 - Historic Site - Ineligible for the NR - 1000' Buffer
 - Historic Site - Listed on the NR
 - Historic Site - Listed on the NR - 100' Buffer
 - Historic Site - Listed on the NR - 500' Buffer
 - Historic Site - Listed on the NR - 1000' Buffer
 - No Recorded Cultural Sites
- *National Register of Historic Places



Source: SC Department of Natural Resources and US Department of Agriculture

Cultural Resources

VCSNS - Killian
230 kV Line



Figure 4.5-1



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
 - Archaeological Site - Eligibility for the NR* Undetermined
 - Archaeological Site - Eligibility for the NR Undetermined - 50' Buffer
 - Archaeological Site - Ineligible for the NR
 - Archaeological Site - Ineligible for the NR - 50' Buffer
 - Archaeological Site - Listed on the NR
 - Archaeological Site - Listed on the NR - 50' Buffer
 - Archaeological Site - Potentially Eligible for the NR
 - Archaeological Site - Potentially Eligible for the NR - 50' Buffer
 - Historic District - Eligible for the NR
 - Historic District - Eligible for the NR - 500' Buffer
 - Historic District - Eligible for the NR - 1000' Buffer
 - Historic District - Ineligible for the NR
 - Historic District - Ineligible for the NR - 500' Buffer
 - Historic District - Ineligible for the NR - 1000' Buffer
 - Historic District - Listed on the NR
 - Historic District - Listed on the NR - 500' Buffer
 - Historic District - Listed on the NR - 1000' Buffer
 - Historic Site - Contributes to an Eligible Historic District
 - Historic Site - Contributes to an Eligible Historic District - 100' Buffer
 - Historic Site - Contributes to an Eligible Historic District - 500' Buffer
 - Historic Site - Contributes to an Eligible Historic District - 1000' Buffer
 - Historic Site - Eligible for the NR
 - Historic Site - Eligible for the NR - 100' Buffer
 - Historic Site - Eligible for the NR - 500' Buffer
 - Historic Site - Eligible for the NR - 1000' Buffer
 - Historic Site - Ineligible for the NR
 - Historic Site - Ineligible for the NR - 100' Buffer
 - Historic Site - Ineligible for the NR - 500' Buffer
 - Historic Site - Ineligible for the NR - 1000' Buffer
 - Historic Site - Listed on the NR
 - Historic Site - Listed on the NR - 100' Buffer
 - Historic Site - Listed on the NR - 500' Buffer
 - Historic Site - Listed on the NR - 1000' Buffer
 - Historic Site - Potentially Eligible for the NR
 - Historic Site - Potentially Eligible for the NR - 100' Buffer
 - Historic Site - Potentially Eligible for the NR - 500' Buffer
 - Historic Site - Potentially Eligible for the NR - 1000' Buffer
 - No Recorded Cultural Resource Sites
 - County Line
 - *National Register of Historic Places



0 1.25 2.5 5 7.5 10 Miles

Source: SC Department of Natural Resources
and US Department of Agriculture

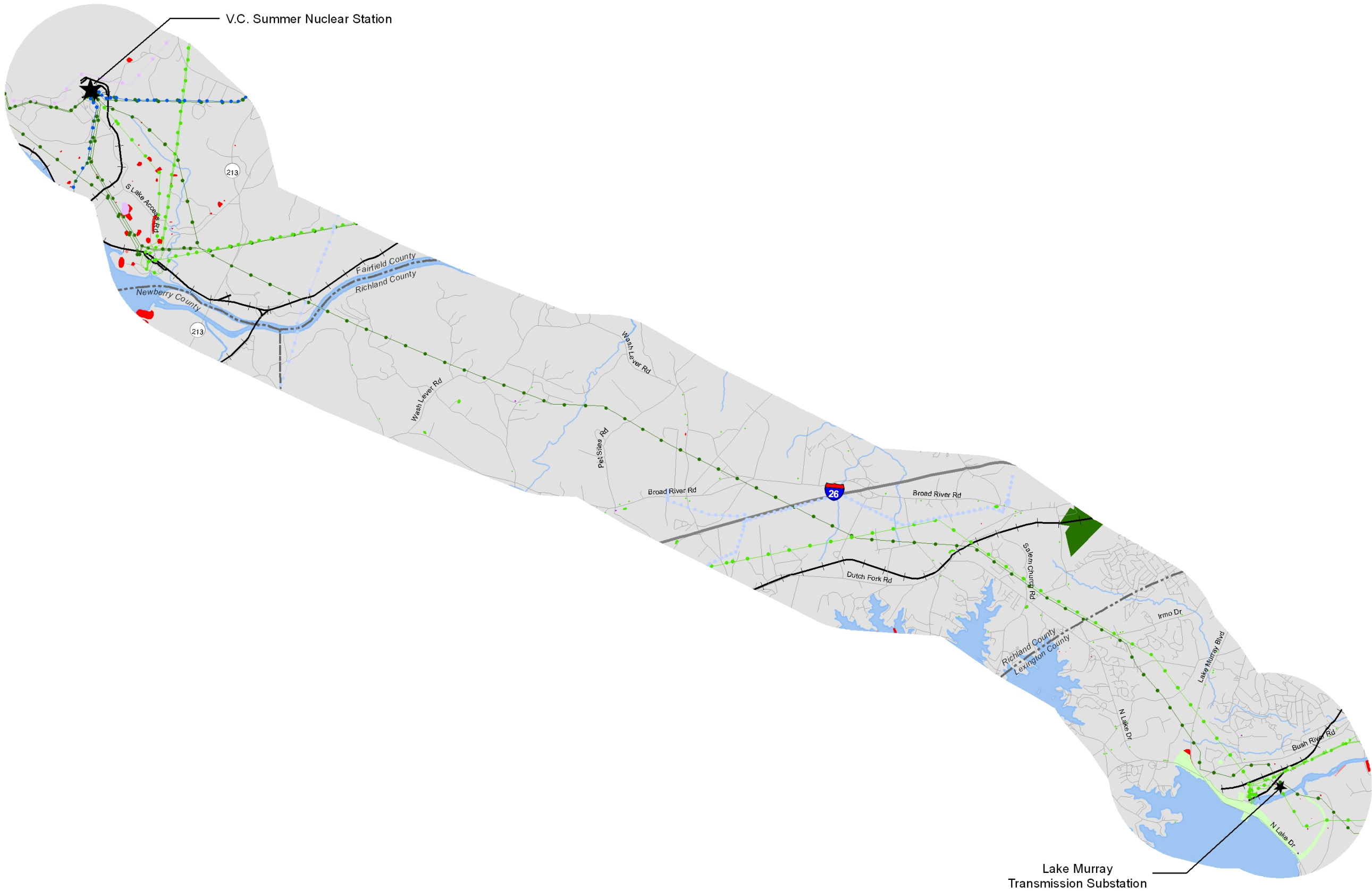
Cultural Resources

VCSNS - St. George
230 kV Line



Figure 4.5-2

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

- 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
- Archaeological Site - Eligibility for the NR* Undetermined
- Archaeological Site - Potentially Eligible for the NR
- Historical Cemetery - Eligibility for the NR Undetermined (Protected)
- Historical Cemetery - Ineligible for the NR (Protected)
- Historical Cemetery - Potentially Eligible for the NR (Protected)
- Historical Site - Eligible for the NR
- Historical Site - Ineligible for the NR
- Historical Site - Listed on the NR
- Major Lake or River

* National Register of Historic Places

0 3,500 7,000 Feet

Source: SC Department of Natural Resources and US Department of Agriculture

Cultural Resources
 (Within 1.2 miles
 of the Line Route)

VCSNS - Lake Murray #2
 230 kV Line



Figure 4.5-3

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.