



SURRY COUNTY COMPREHENSIVE PLAN



Sea Level Rise

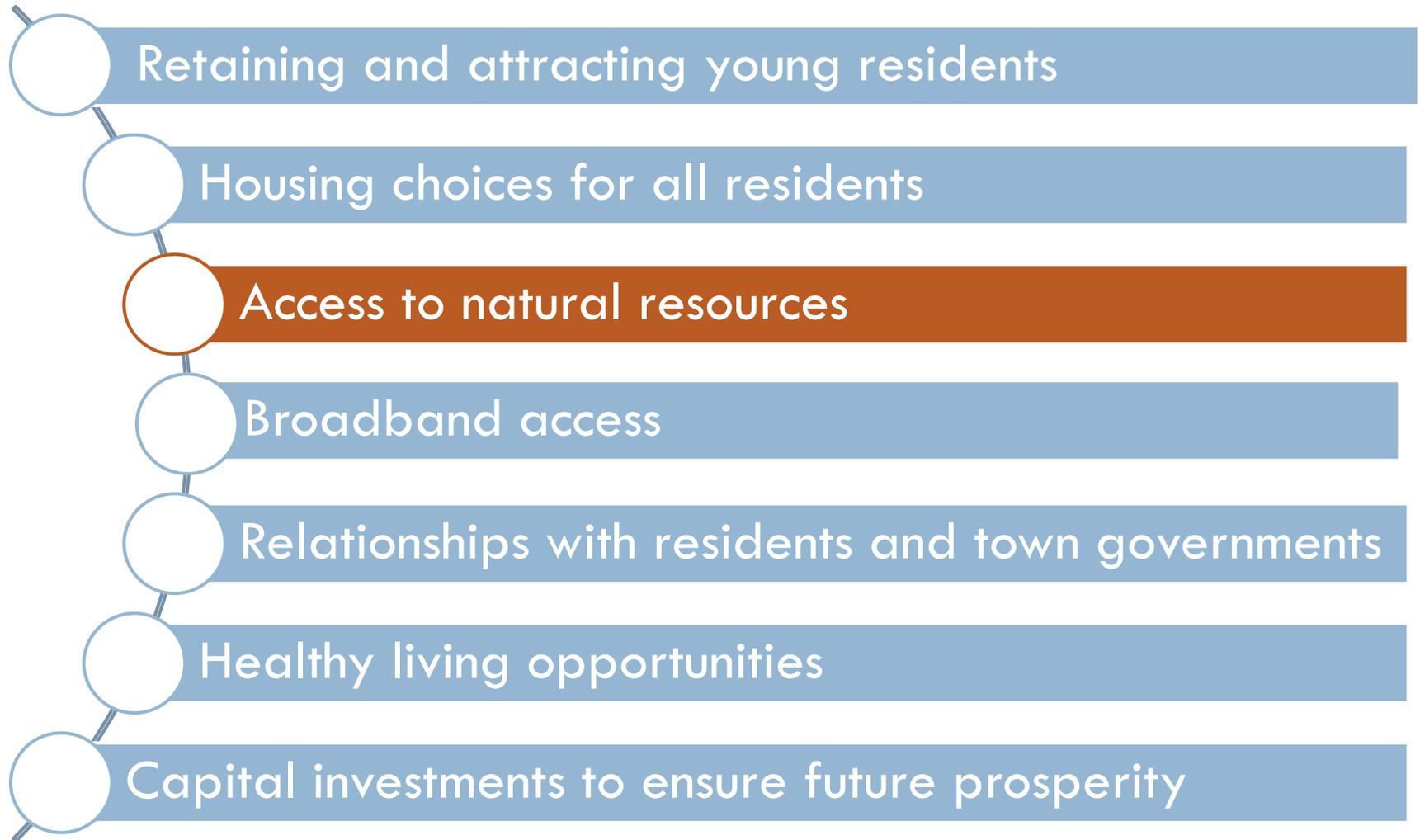
Plan Purpose

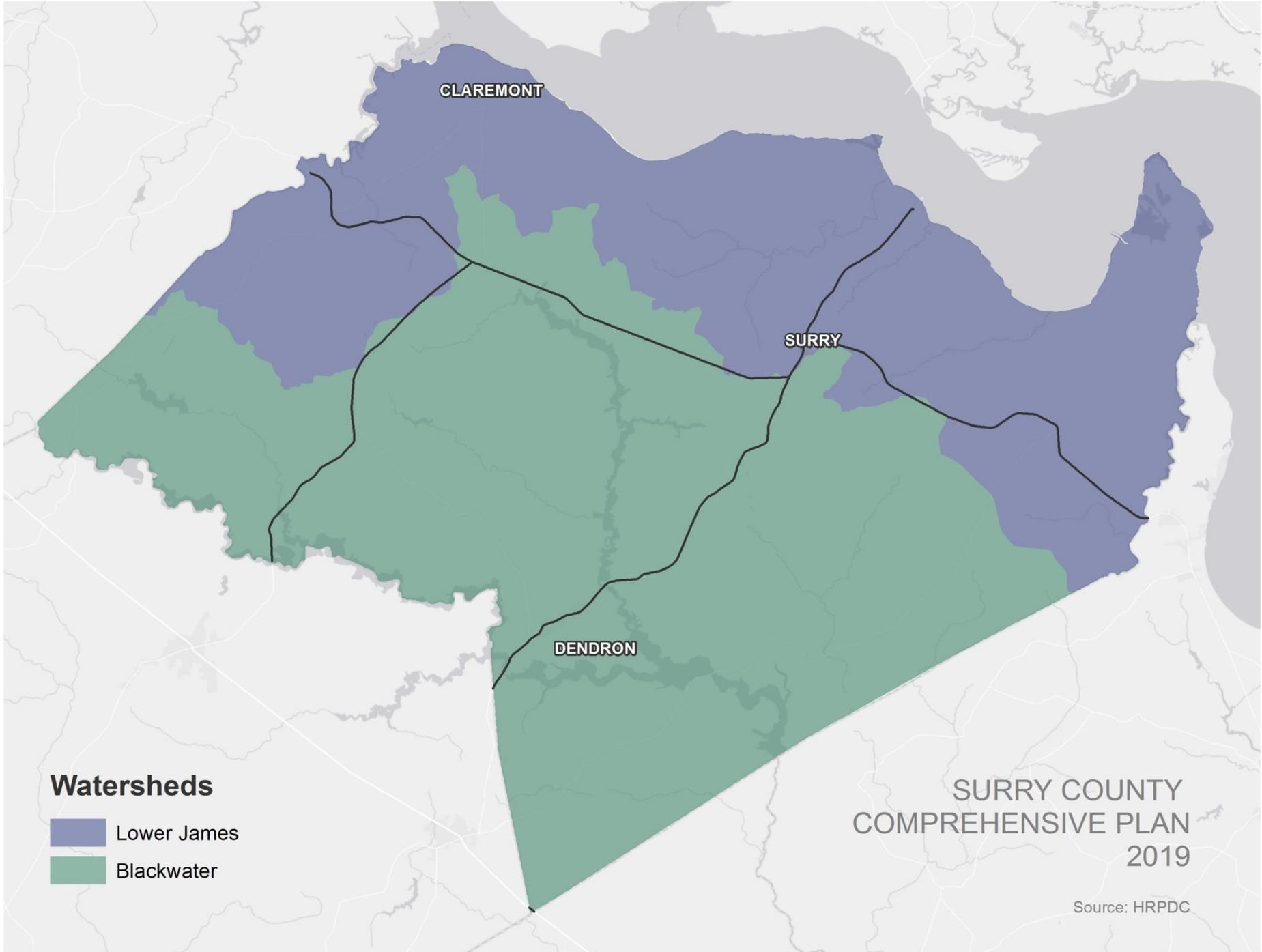


Community Characteristics

-
- Safe and community oriented
 - Schools that are a source of pride
 - Rural residential housing
 - Family-supporting incomes and low cost of living
 - Exceptional natural resources
 - Historic assets

Expanding Opportunities





CLAREMONT

SURRY

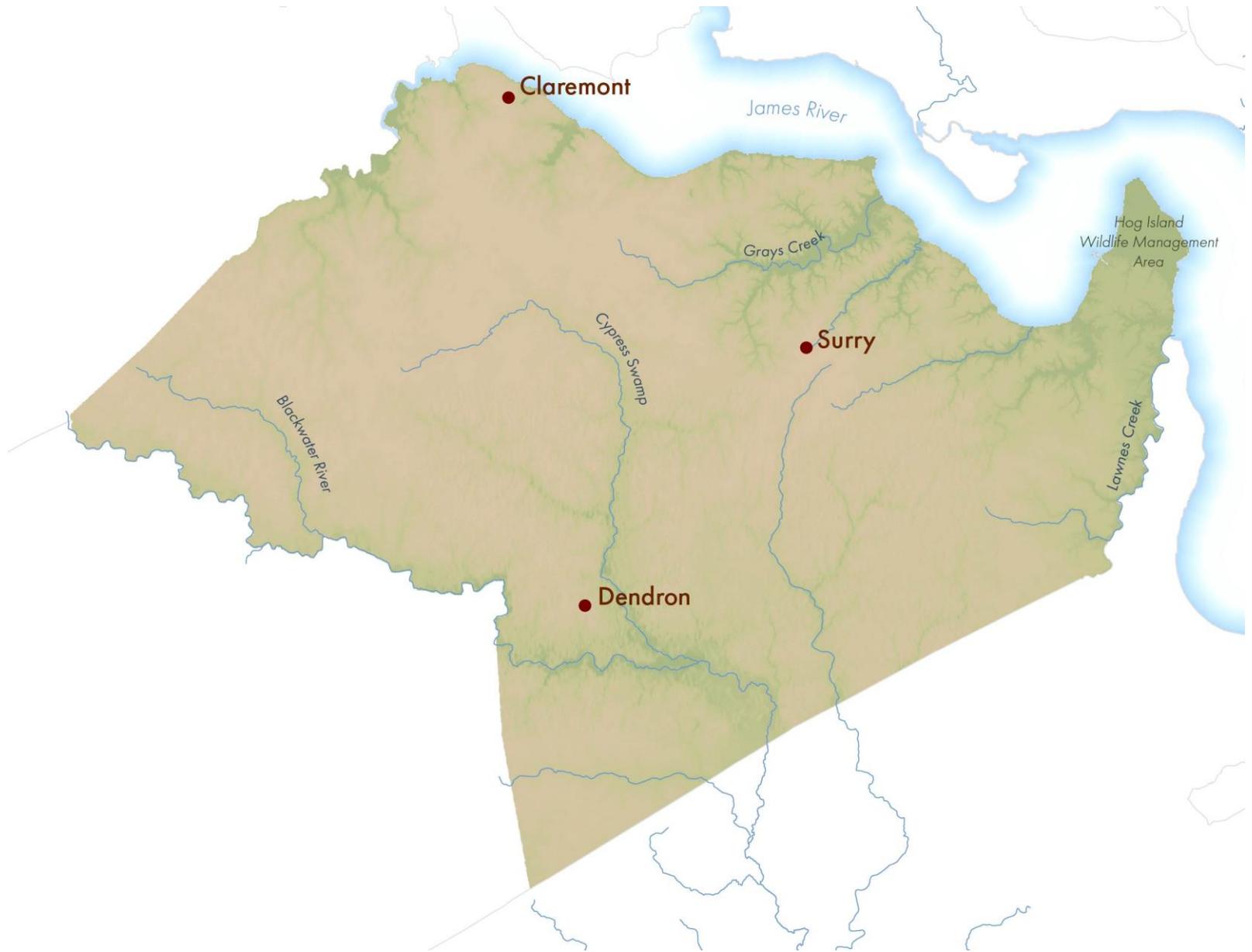
DENDRON

Watersheds

-  Lower James
-  Blackwater

SURRY COUNTY
COMPREHENSIVE PLAN
2019

Source: HRPDC



Claremont

James River

Hog Island
Wildlife Management
Area

Grays Creek

Surry

Cypress Swamp

Blackwater River

Dendron

Lawnes Creek

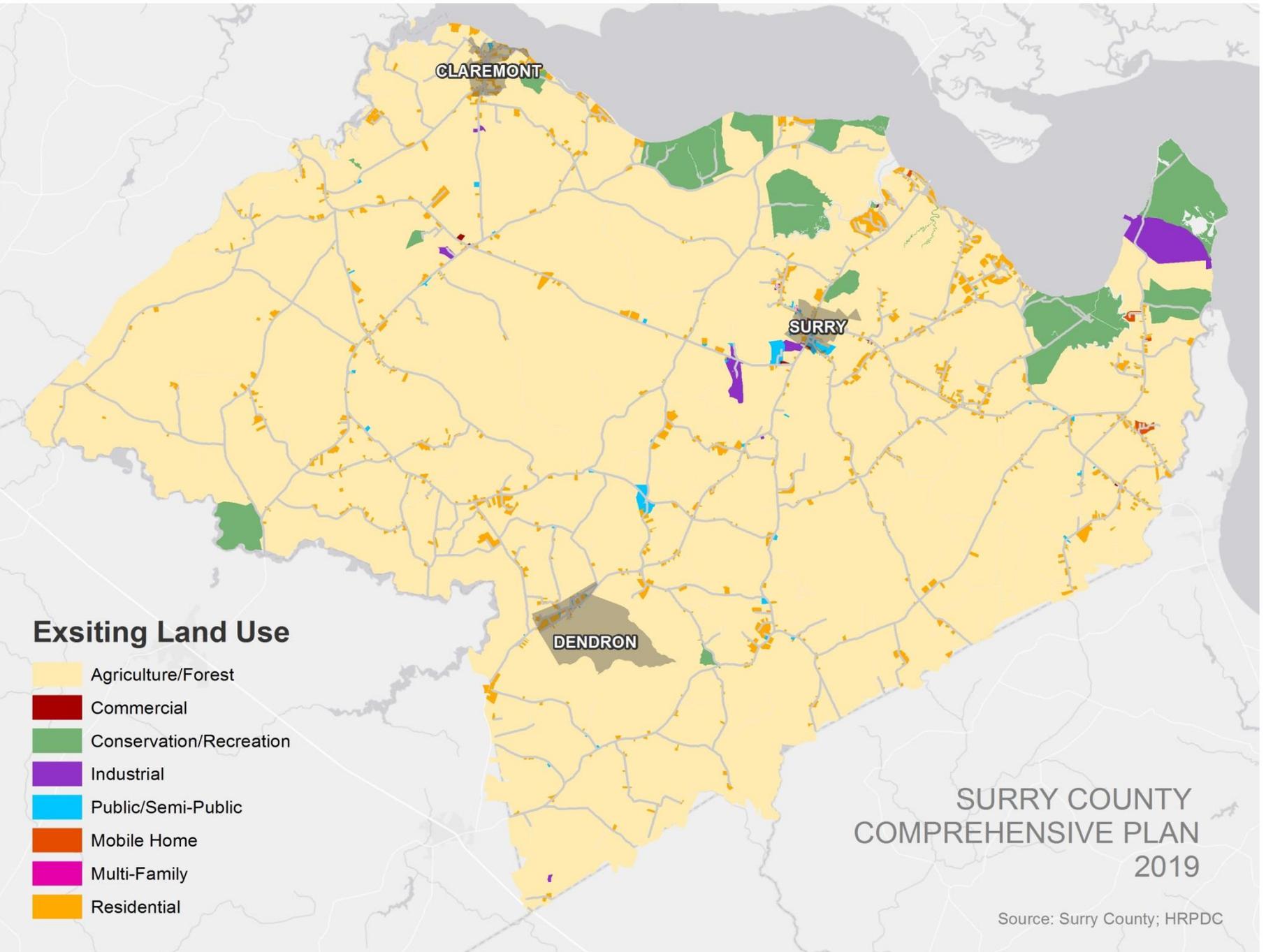


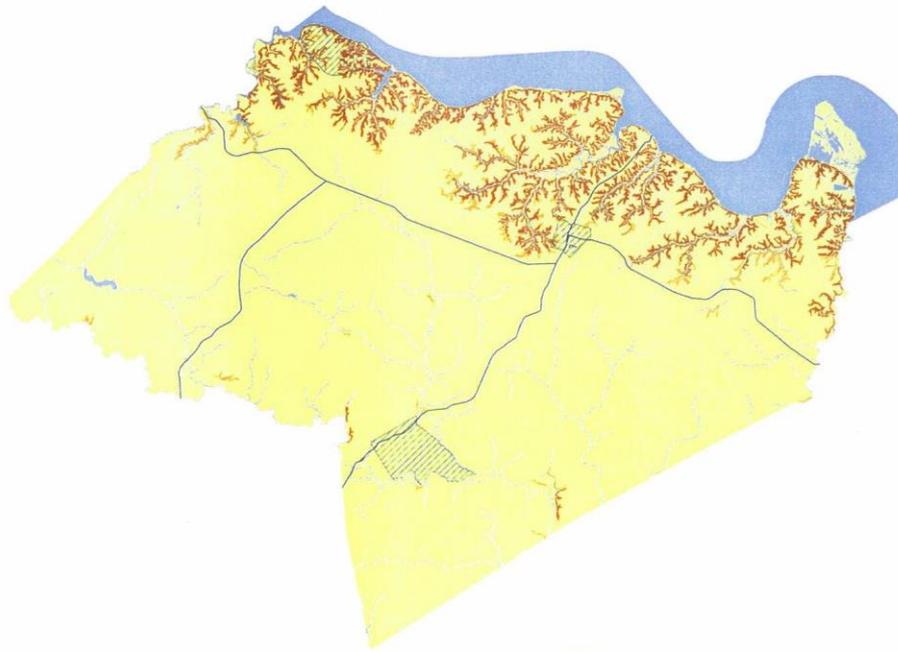
Figure A-9. Soils With Steep Slopes, Surry County

Source of Soils Data: USDA NRCS SSURGO Data

Source of Basemap Data: U.S. Census 1997 TIGER Data

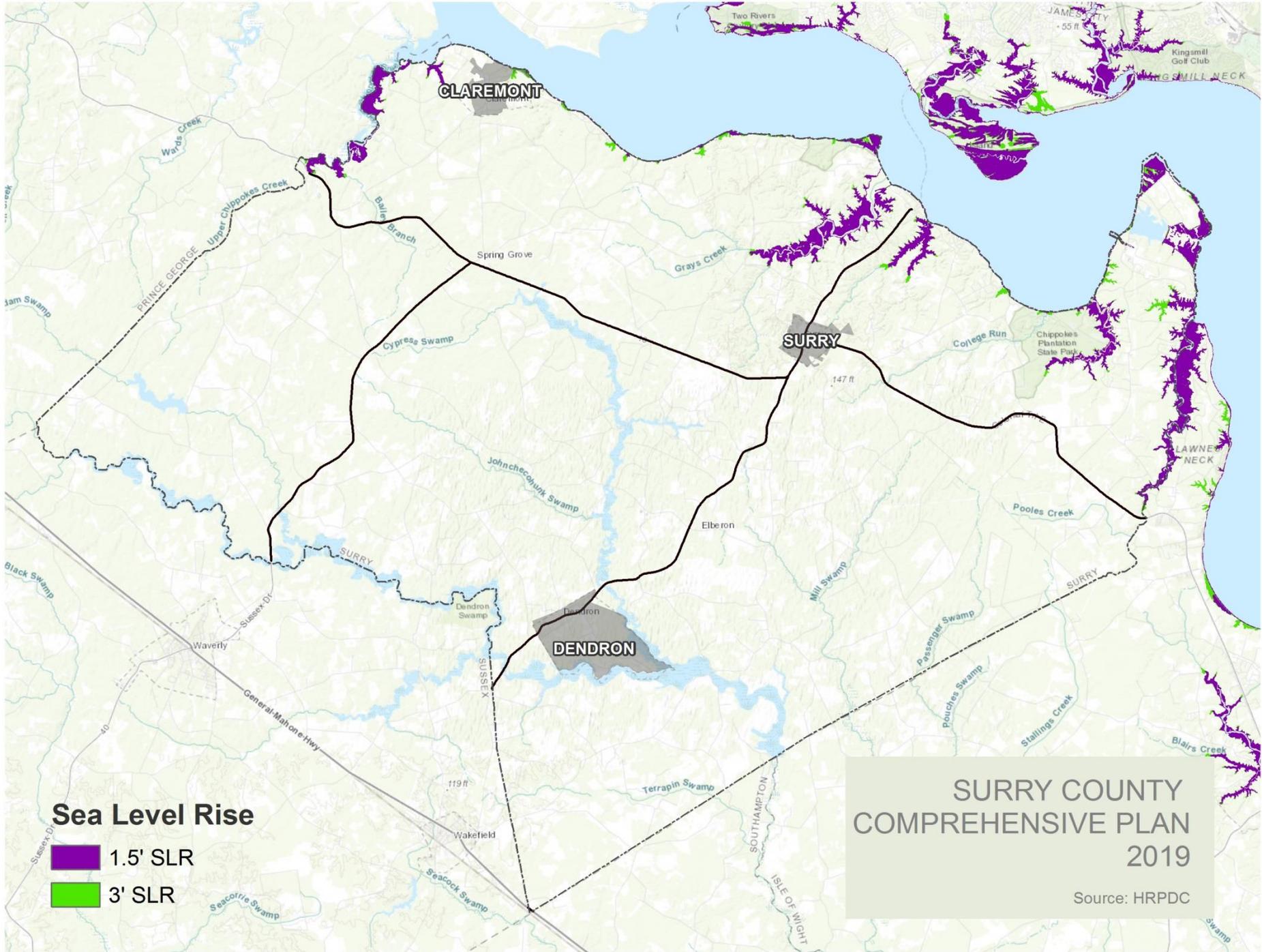
Map Created by HRPDC Physical & Environmental Planning GIS Staff

February 2, 2000



-  Soils With Steep Slopes
-  Soils With Very Steep Slopes
-  Water
-  Major Towns
-  Major Roads





Sea Level Rise

- 1.5' SLR
- 3' SLR

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Source: HRPDC

Table 19: Exposure to One Meter of Sea Level Rise above Spring High Tide in Surry County, Virginia

	TOTAL	LOW ESTIMATE	MIDDLE ESTIMATE	HIGH ESTIMATE
GENERAL				
Land Area (square miles)	281.7	4.7	5.4	6.0
Population	7,058	98	107	124
Housing Units	3,444	52	59	70
BUILT ENVIRONMENT				
Number of Parcels (intersection)	6,508	382	445	526
Number of Parcels (centroid)	6,508	65	94	135
Improvement Value of Parcels (intersection)	\$510,007,400	\$52,204,100	\$57,283,300	\$64,129,800
Improvement Value of Parcels (centroid)	\$510,007,400	\$4,379,900	\$6,757,200	\$9,380,000
INFRASTRUCTURE				
Roads (total miles)	341.8	0.5	1.3	2.0
Roads (Interstate)	0.0	0.0	0.0	0.0
Roads (Primary)	48.5	0.0	0.0	0.0
Roads (Secondary)	252.6	0.3	1.0	1.5
Roads (Local or Private)	40.7	0.2	0.3	0.5
ECONOMY				
Businesses	209	0	0	0
Employees	1,931	0	0	0
Total Value of Parcels (intersection)	\$1,051,099,800	\$172,966,600	\$187,203,600	\$201,702,700
Total Value of Parcels (centroid)	\$1,051,099,800	\$12,221,300	\$22,571,300	\$27,867,700
NATURAL ENVIRONMENT				
Protected Lands (acres)	8,409	1,570	1,872	1,966
VEVA – Outstanding (acres)	16,371	157	166	180
VEVA – Very High (acres)	45,391	1,164	1,287	1,460
VEVA – High (acres)	40,962	1,434	1,609	1,743

Note: More information on the centroid and intersection methodologies can be found on page 34.

Sea Level Rise Strategies

- Work with partners (HRPDC, VIMS, Etc.)
- Monitor impacts
- Amend policies, ordinances, programs, as needed
- Consider as potential adaptation priorities:
 - ▣ Natural resource preservation
 - ▣ Transportation access
 - ▣ Limiting critical facilities in vulnerable areas
- Use VIMS Comprehensive Coastal Resource Management Guidance to inform shoreline management practices