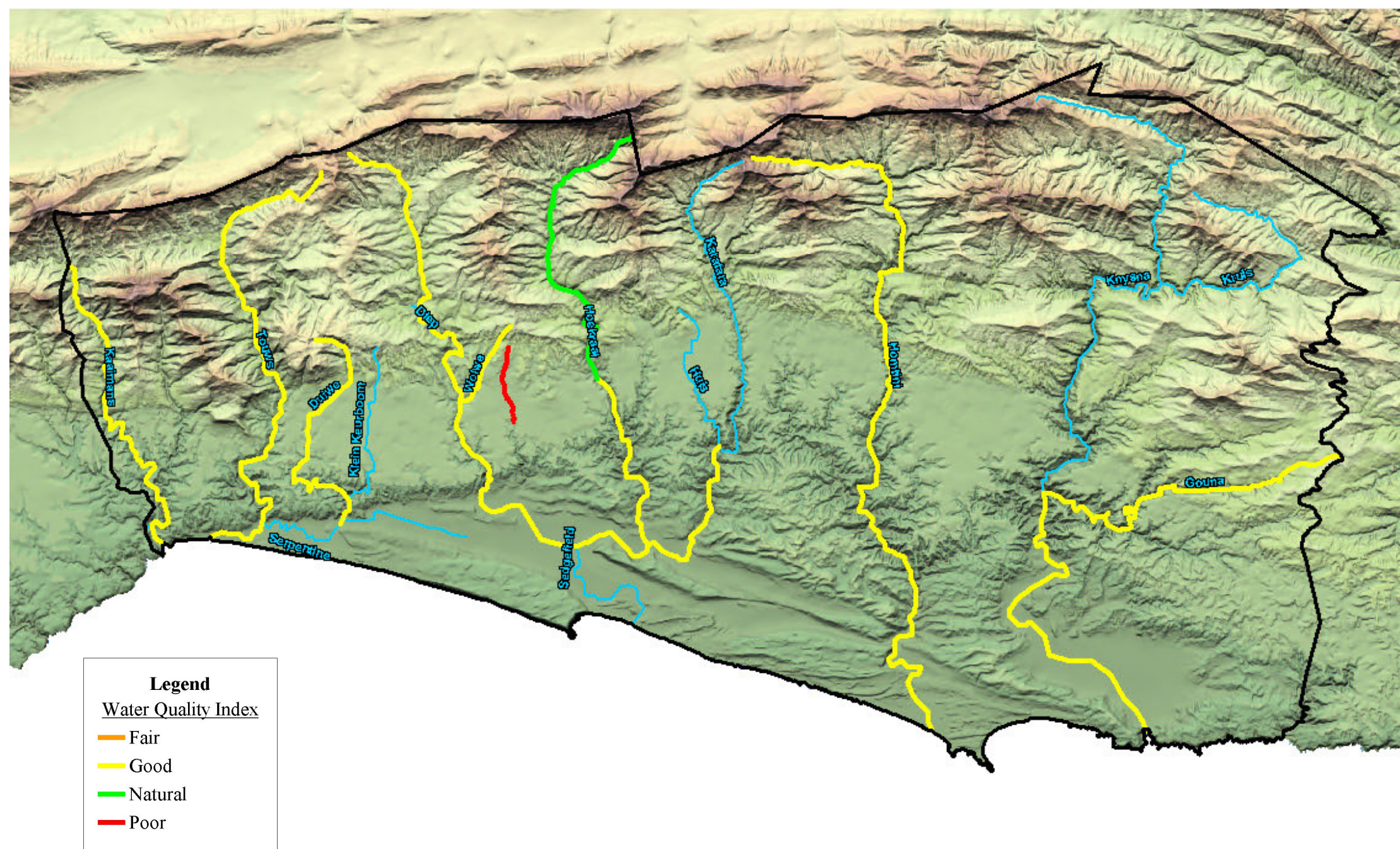


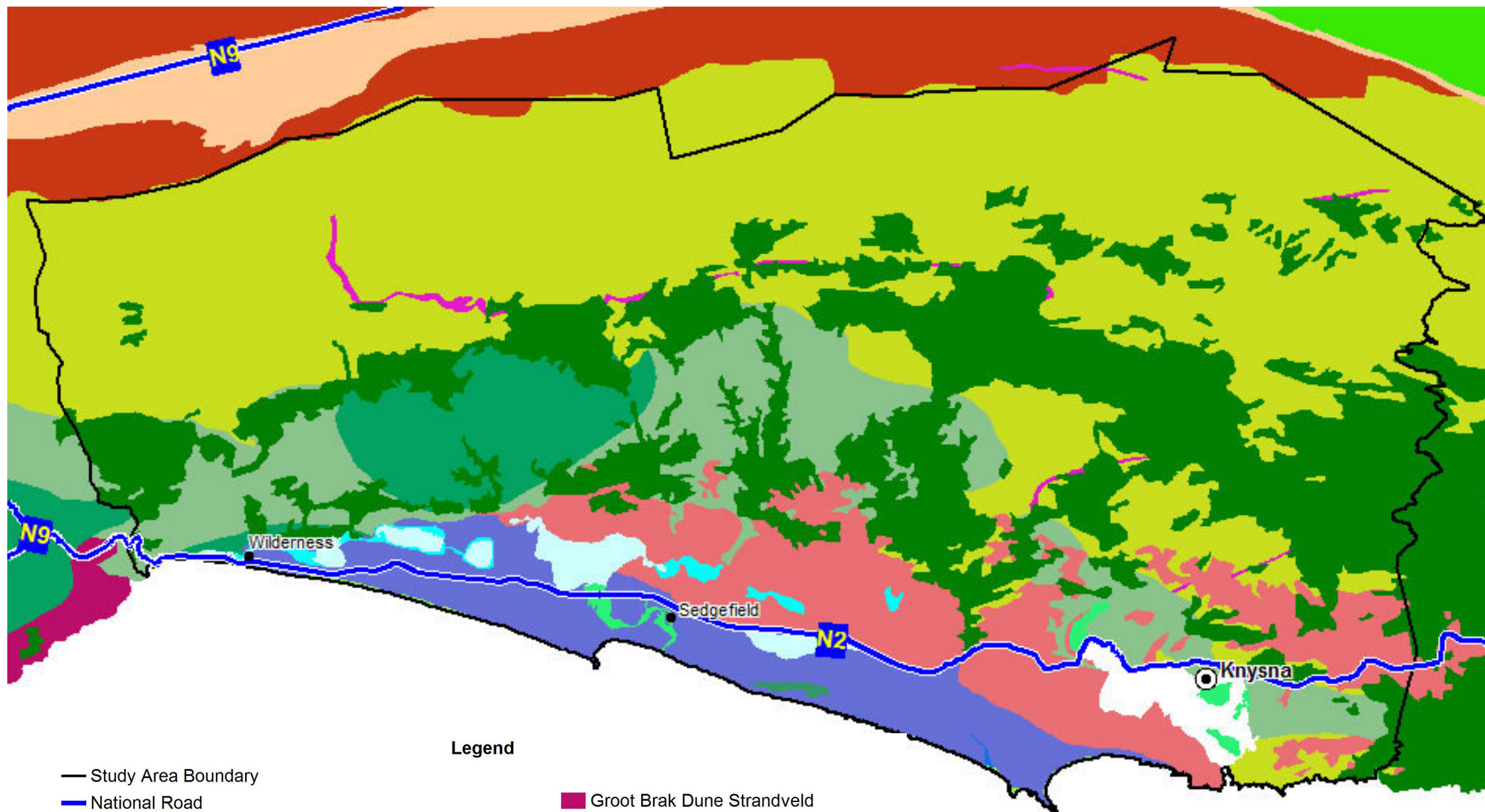
Figure 10 :
WATER QUALITY



The Garden Route Environmental Management Framework

Figure 5 :
VEGETATION

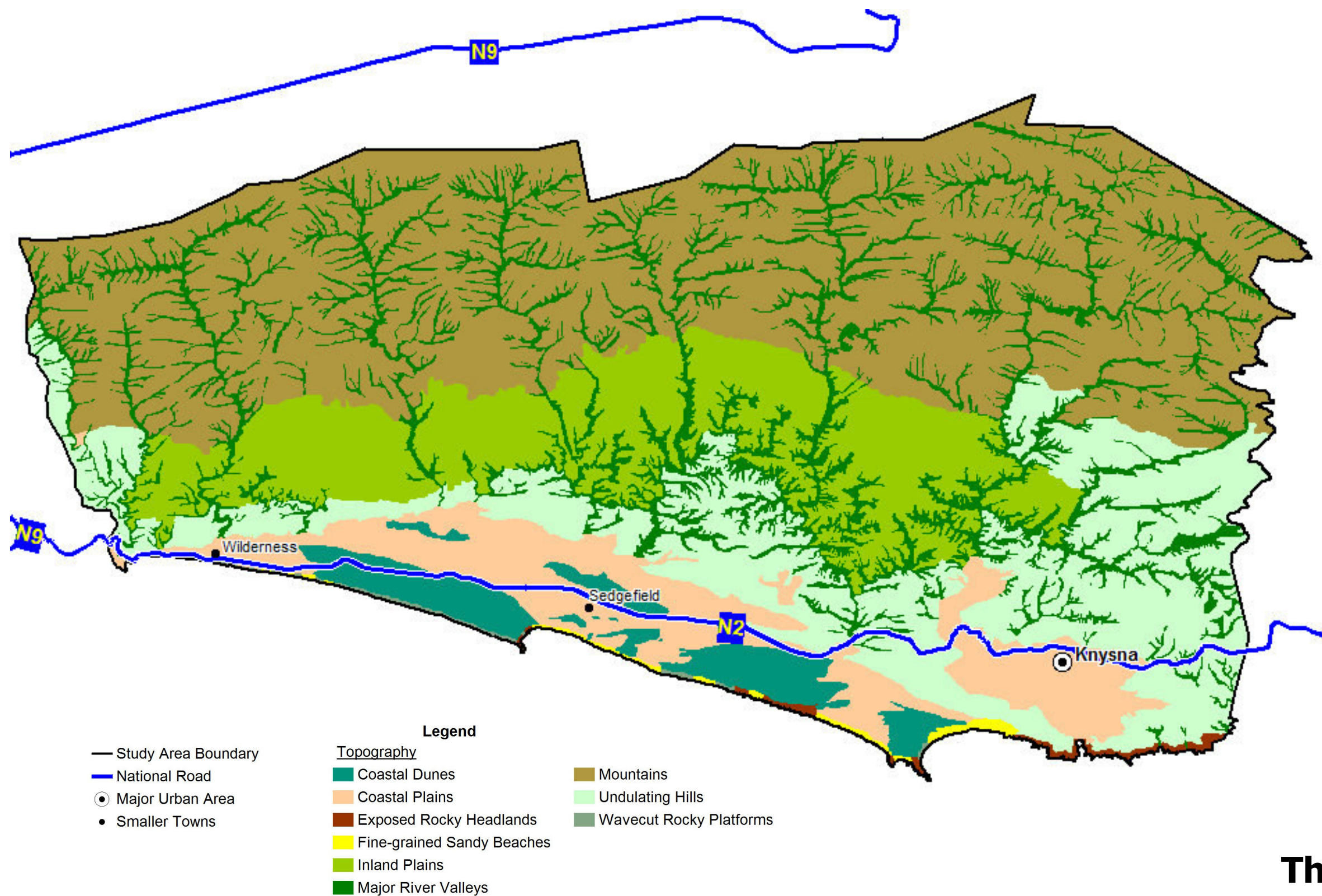
(based on Mucina & Rutherford, 2006)



- Study Area Boundary
 — National Road
 ⊙ Major Urban Area
 • Smaller Towns
- VEGETATION**
- Cape Coastal Lagoons
 - Cape Estuarine Salt Marshes
 - Cape Lowland Freshwater Wetlands
 - Cape Seashore Vegetation
 - Eastern Coastal Shale Band Vegetation
 - Freshwater Lakes
 - Garden Route Granite Fynbos
 - Garden Route Shale Fynbos
 - Groot Brak Dune Strandveld
 - Knysna Sand Fynbos
 - Langkloof Shale Renosterveld
 - North Outeniqua Sandstone Fynbos
 - South Outeniqua Sandstone Fynbos
 - Southern Afrotropical Forest
 - Southern Cape Dune Fynbos
 - Southern Coastal Forest
 - Tsitsikamma Sandstone Fynbos
 - Uniondale Shale Renosterveld

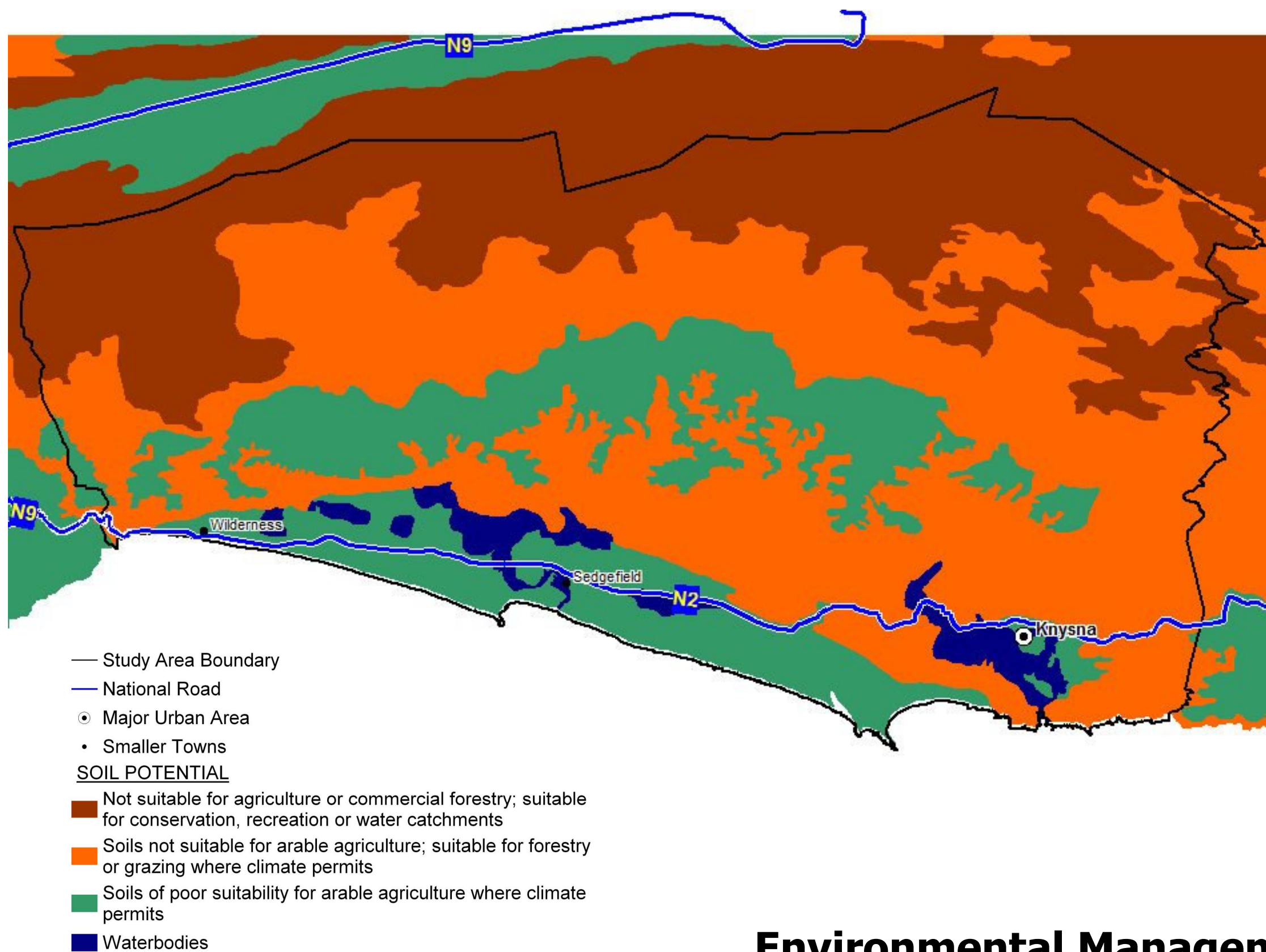
**The Garden Route
Environmental Management Framework**

Figure 6 :
TOPOGRAPHY



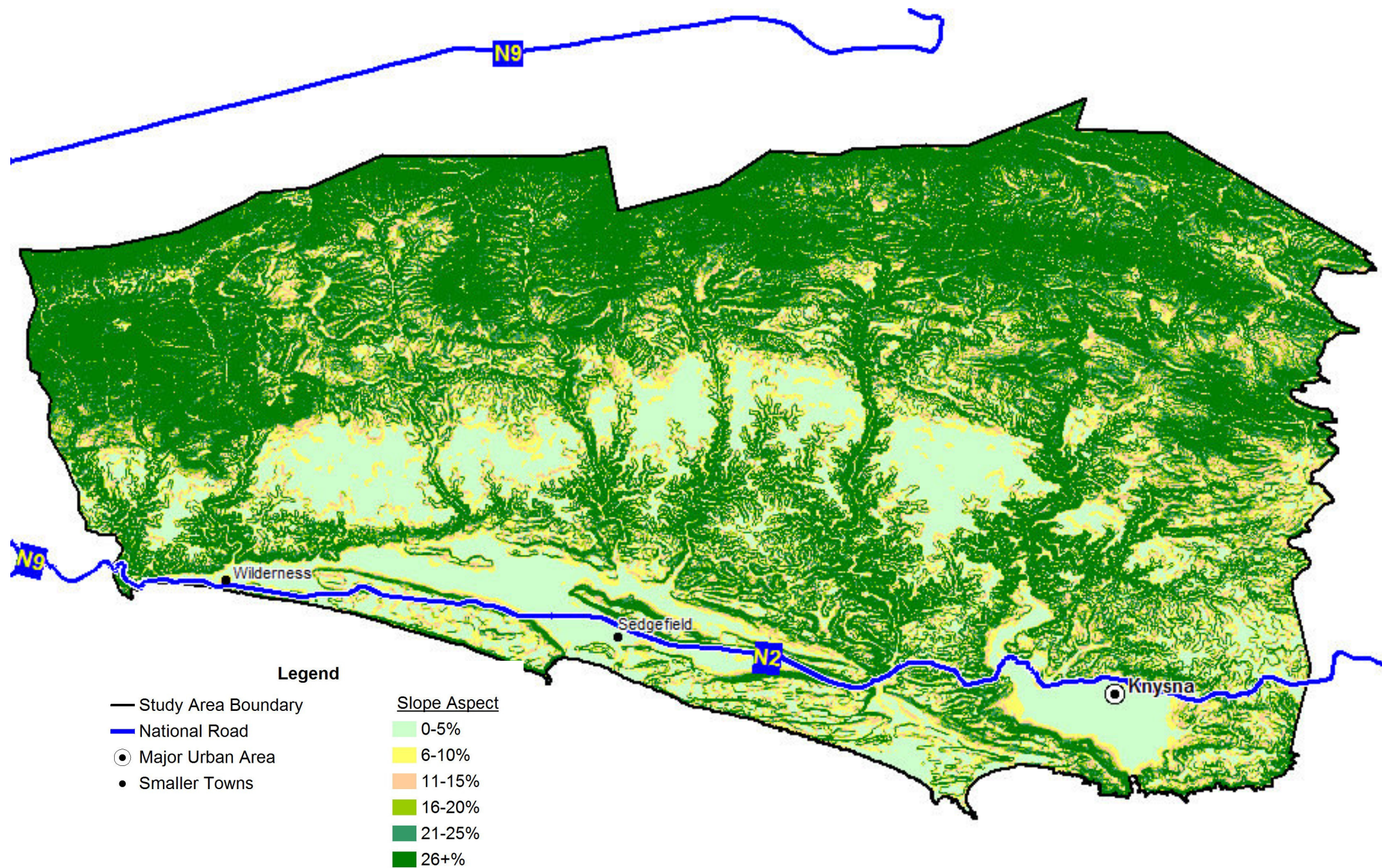
**The Garden Route
Environmental Management Framework**

Figure 2 :
SOIL POTENTIAL



**The Garden Route
Environmental Management Framework**

Figure 6a :
SLOPE ANALYSIS



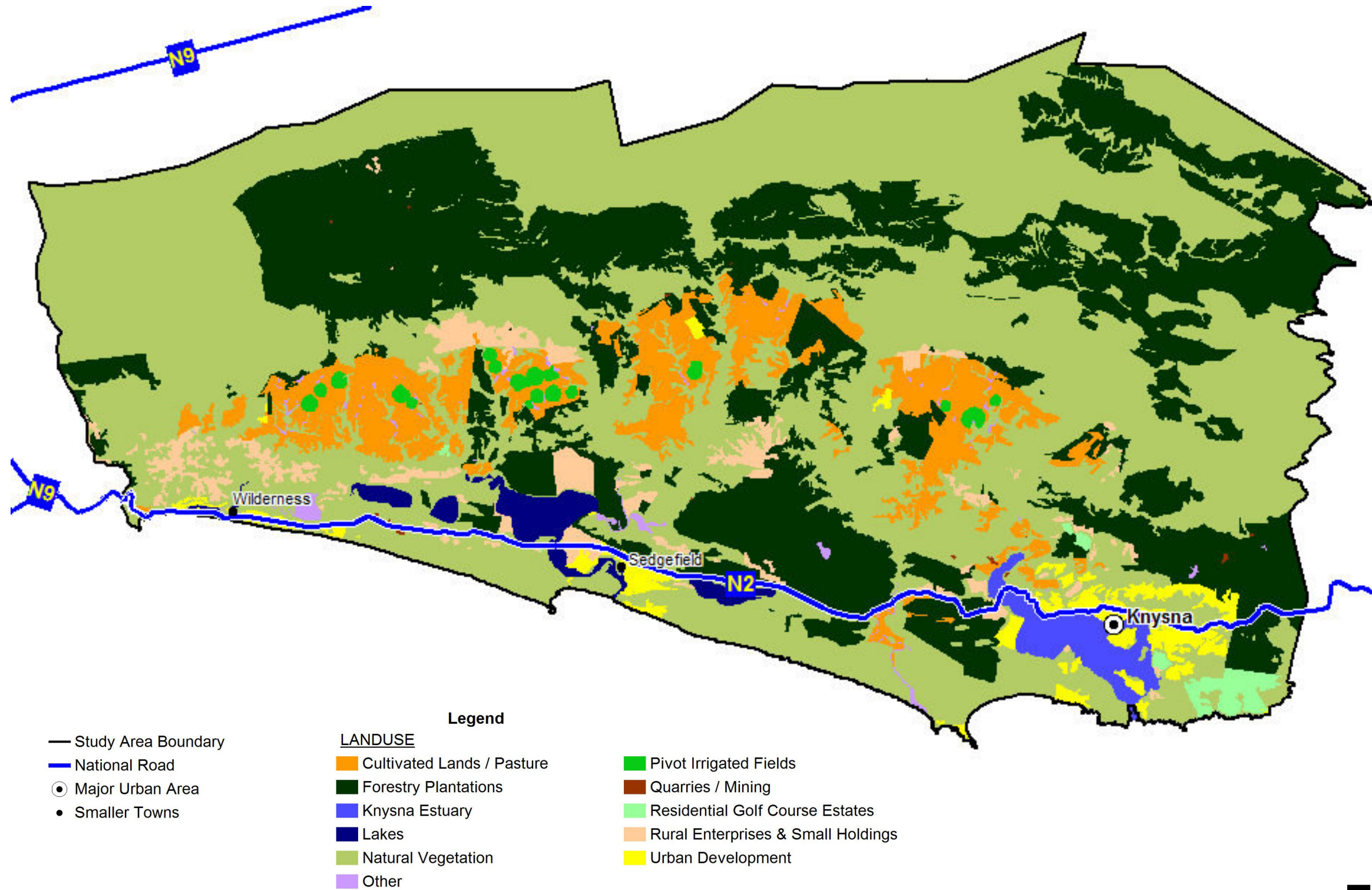
**The Garden Route
Environmental Management Framework**



Figure i :
LOCALITY MAP

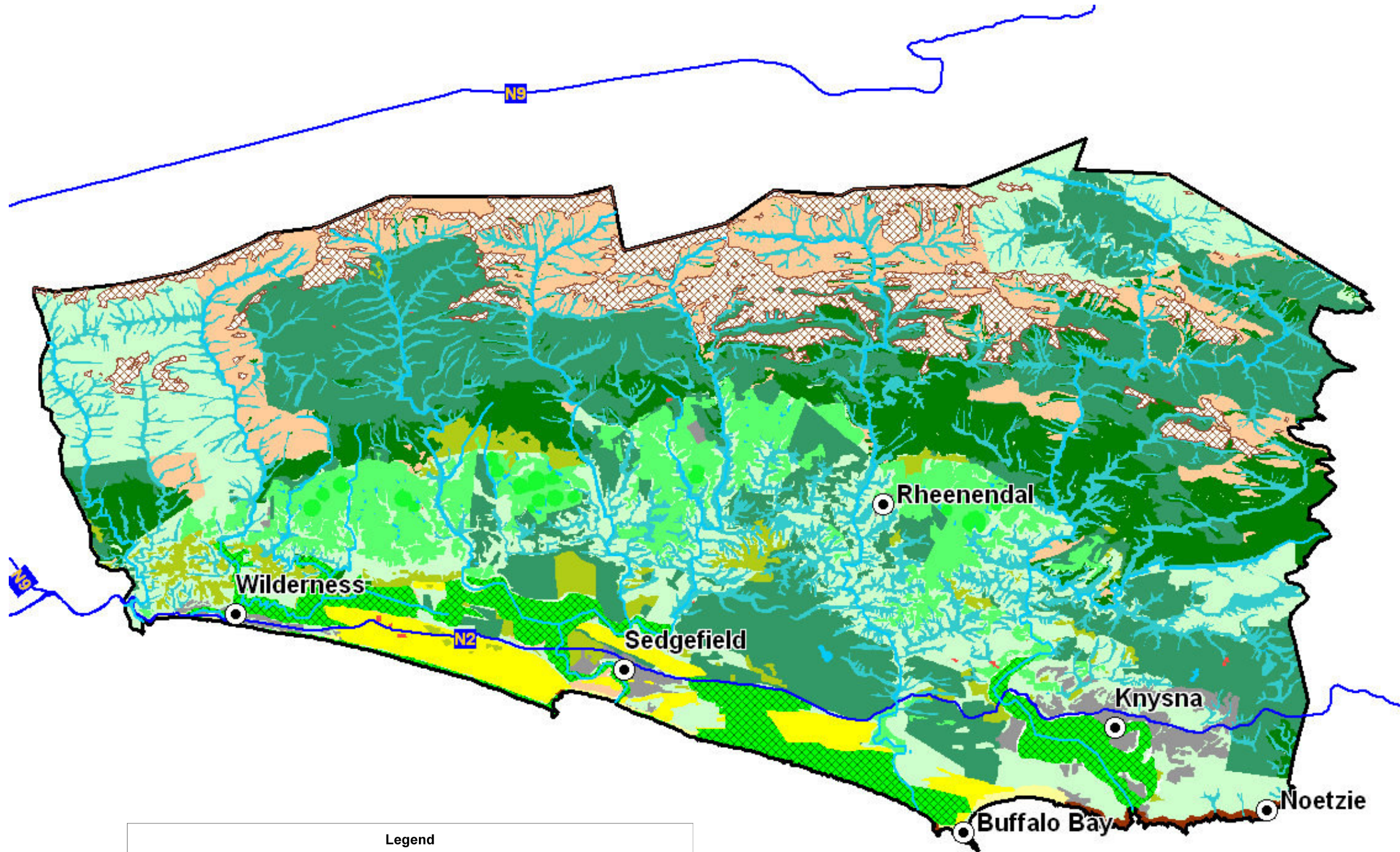
**The Garden Route
Environmental Management Framework**

Figure 9 :
LANDUSE



**The Garden Route
Environmental Management Framework**

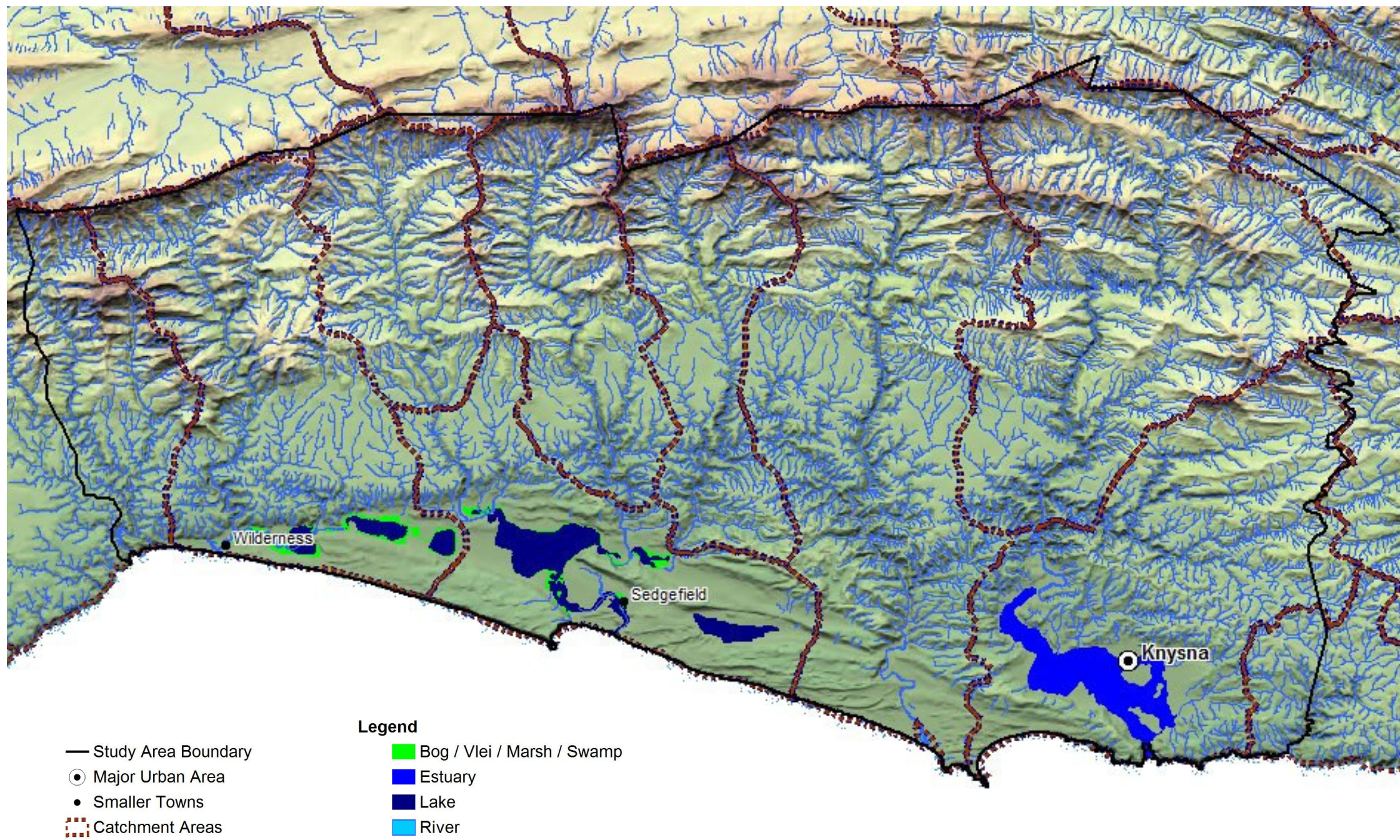
**Figure 7 :
LANDSCAPE
CHARACTER**



Legend		
<u>Landscape Character</u>		
<u>Natural Landscapes</u>	Indigenous Forest	<u>Agricultural Landscapes</u>
Beaches	Forestry Plantations	Cultivated Lands
Coastal Dunes	Other Vegetation	Pivot Irrigation
Other Waterbodies	Rocky Shores	<u>Urban Landscapes</u>
Riparian	High Mountains	Urban
Fynbos	Protected Areas	Quarries / Mining
		Rural Holdings

**The Garden Route
Environmental Management Framework**

Figure 3a :
HYDROLOGY



**The Garden Route
Environmental Management Framework**

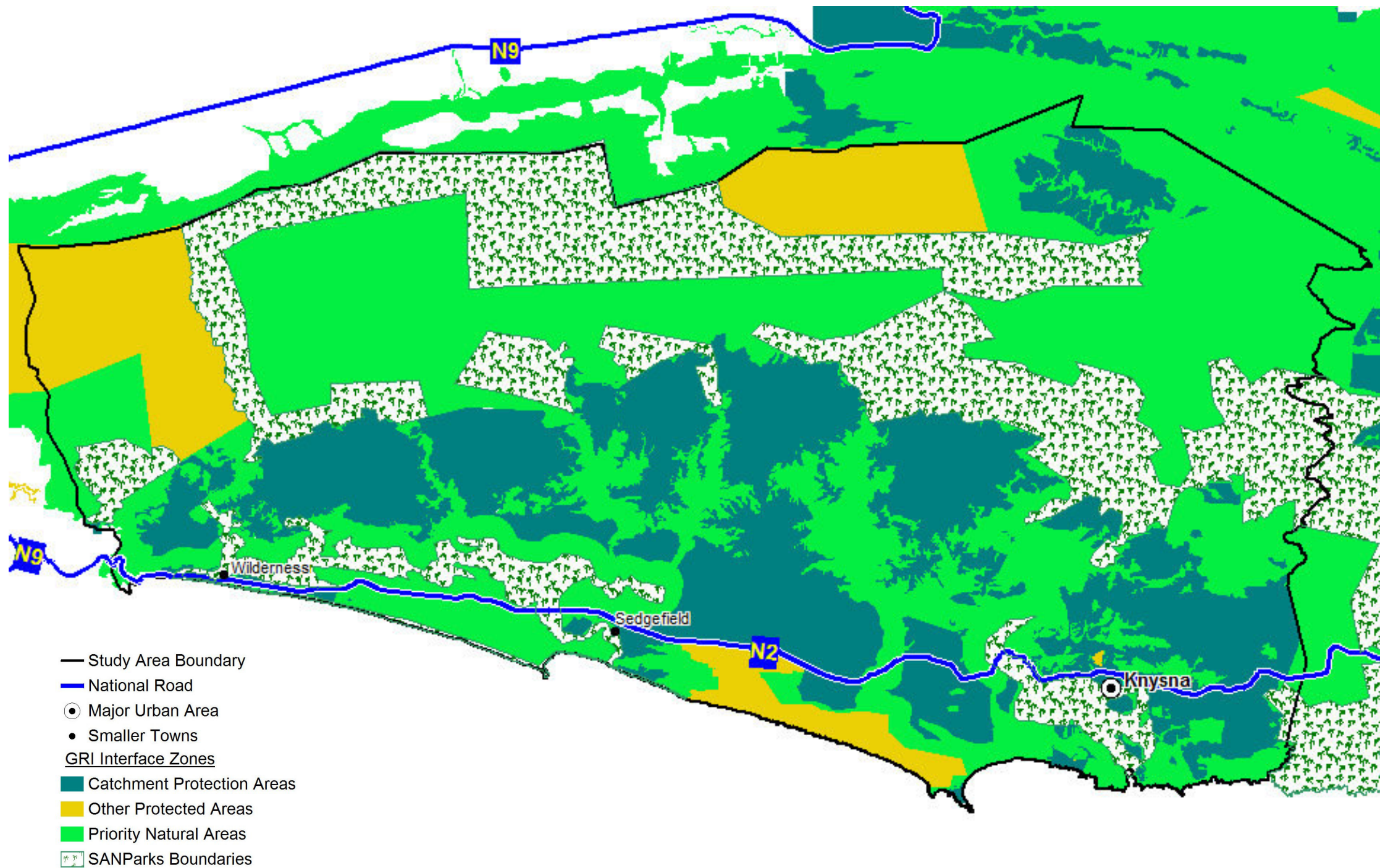
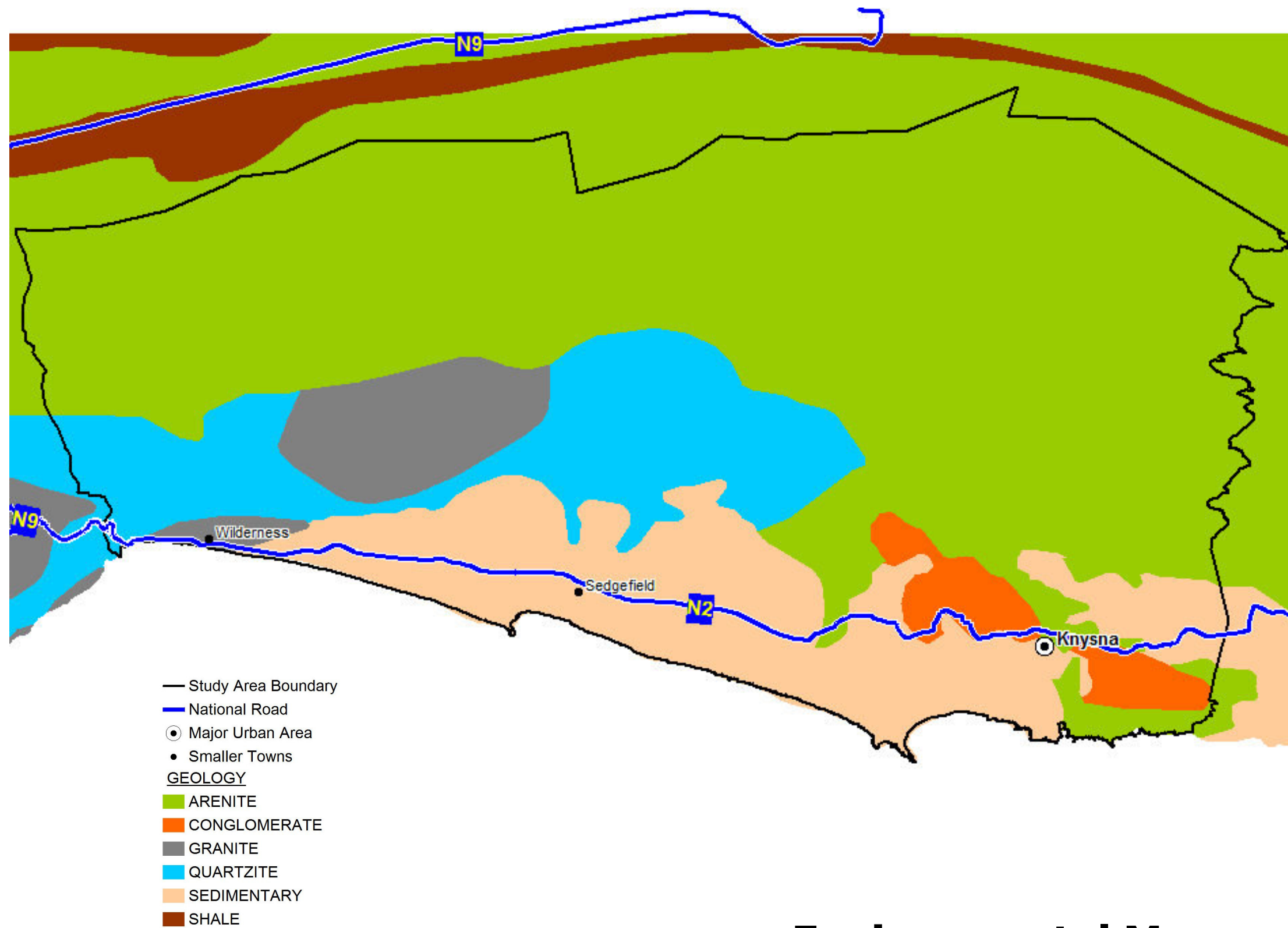


Figure 9a :
GRI INTERFACE
ZONES

The Garden Route Environmental Management Framework

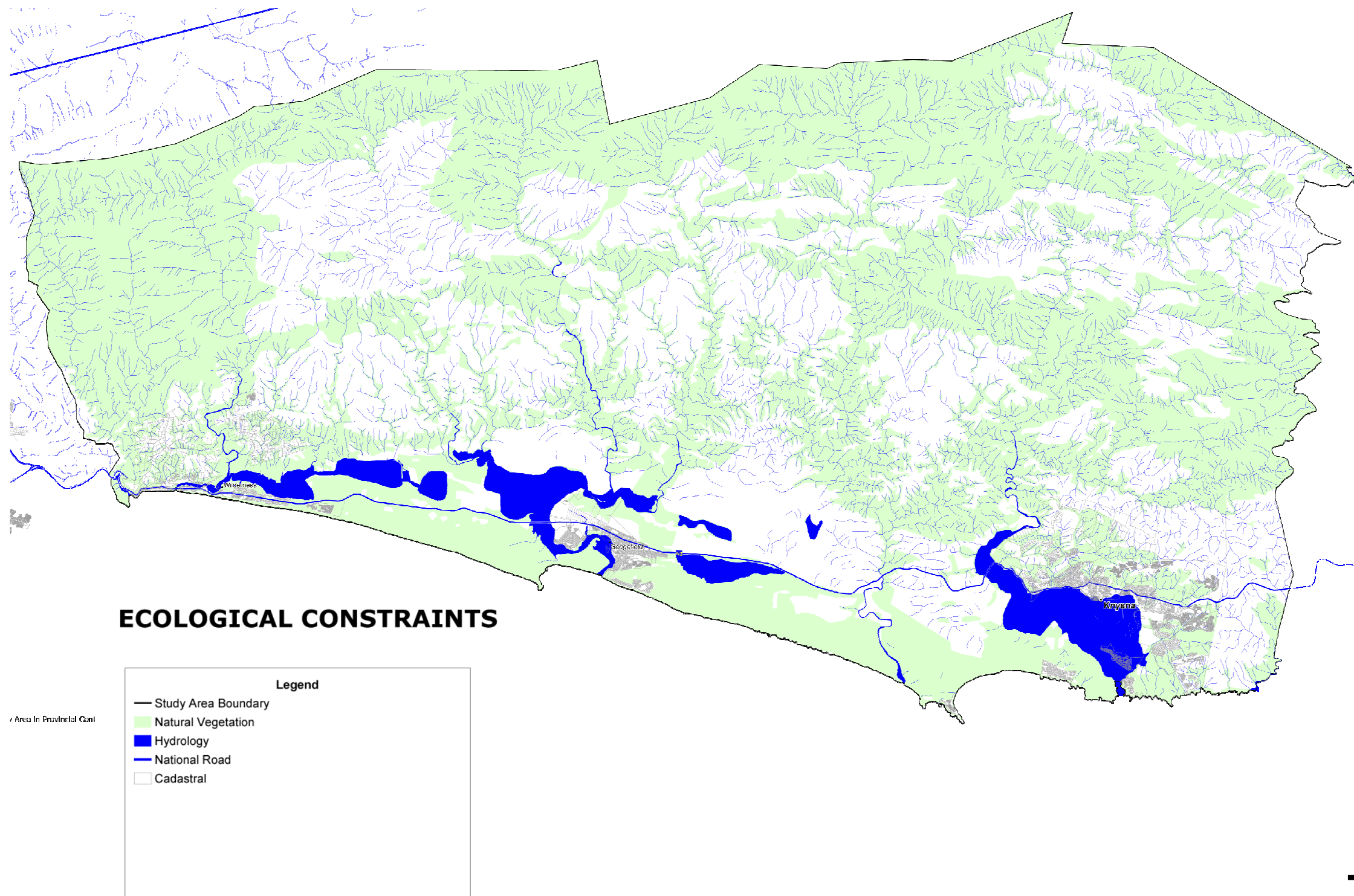
Figure 1 :

GEOLOGY



**The Garden Route
Environmental Management Framework**

**Figure 12 :
ECOLOGICAL
CONSTRAINTS**

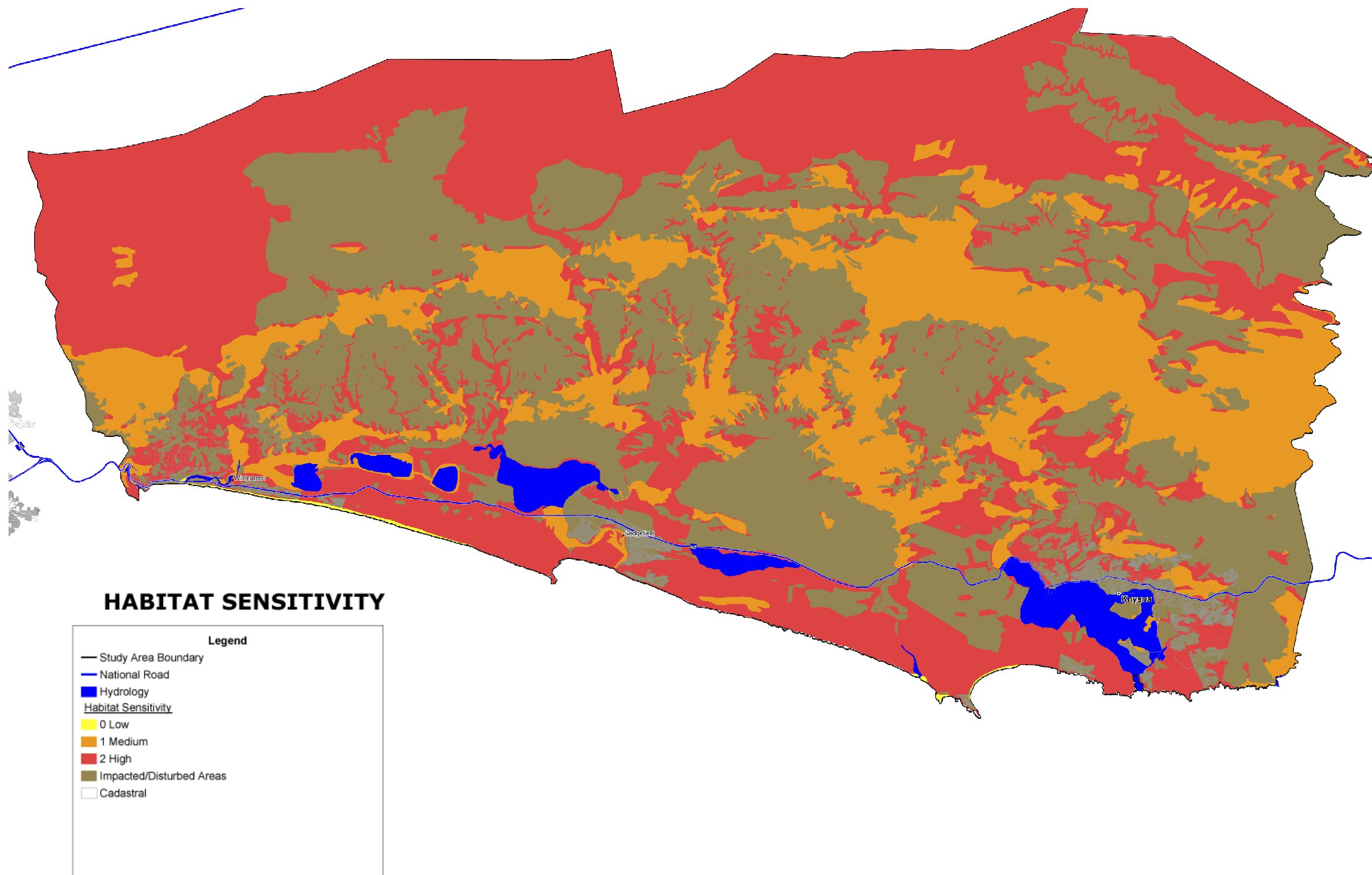


**The Garden Route
Environmental Management Framework**

Figure 12b :

HABITAT

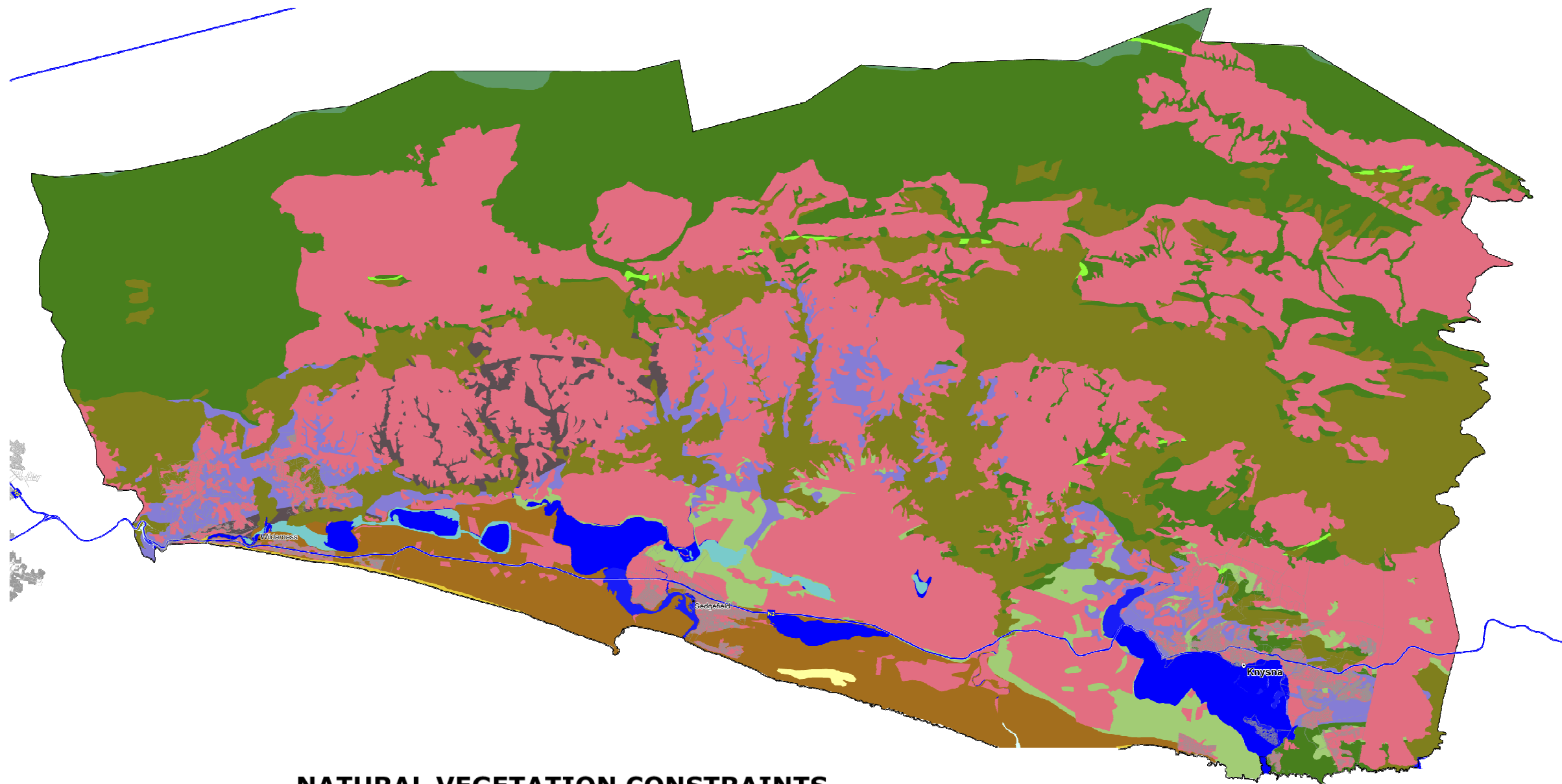
SENSITIVITY



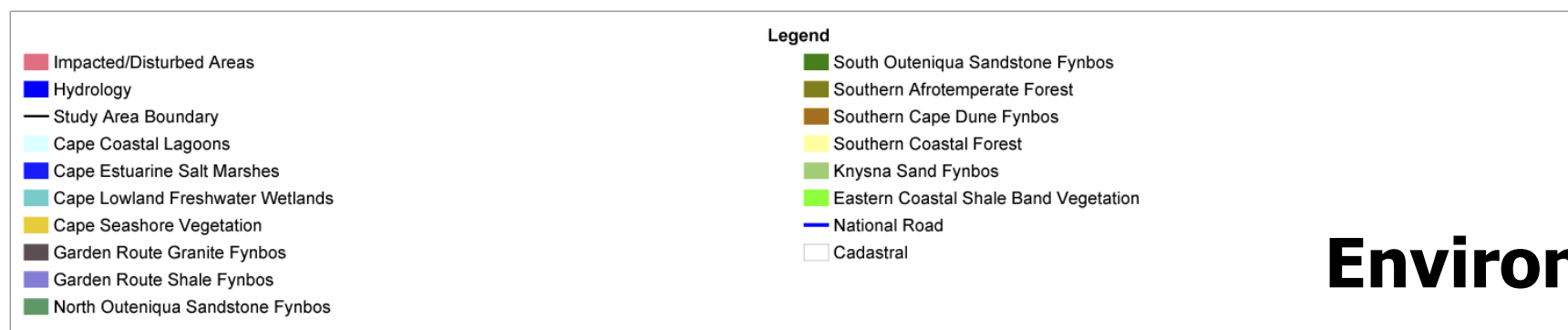
The Garden Route

Environmental Management Framework

Figure 12 a :
**NATURAL
 VEGETATION
 CONSTRAINT**

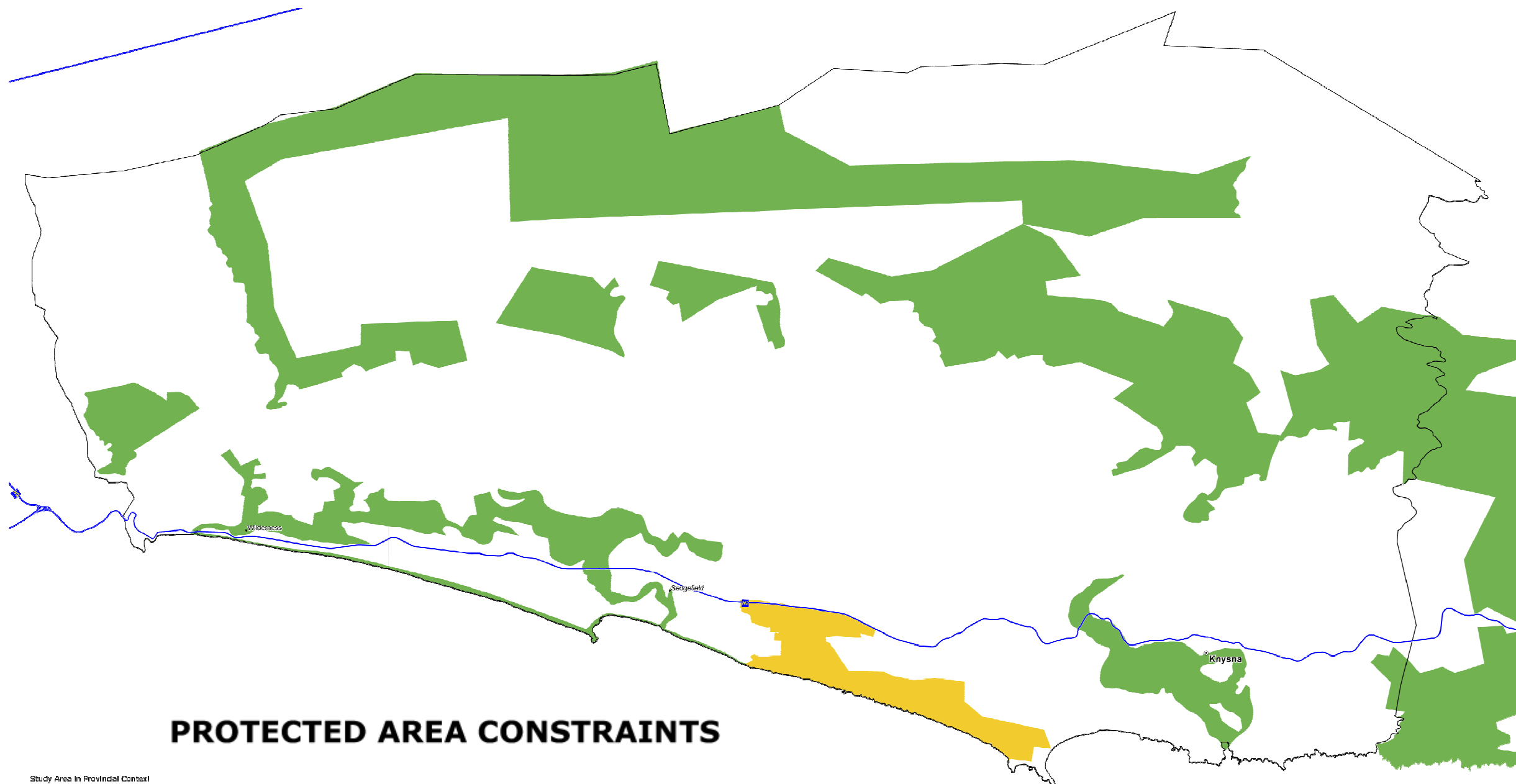


NATURAL VEGETATION CONSTRAINTS



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 Environmental Management Framework**

Figure 15 :
PROTECTED
AREAS
CONSTRAINTS



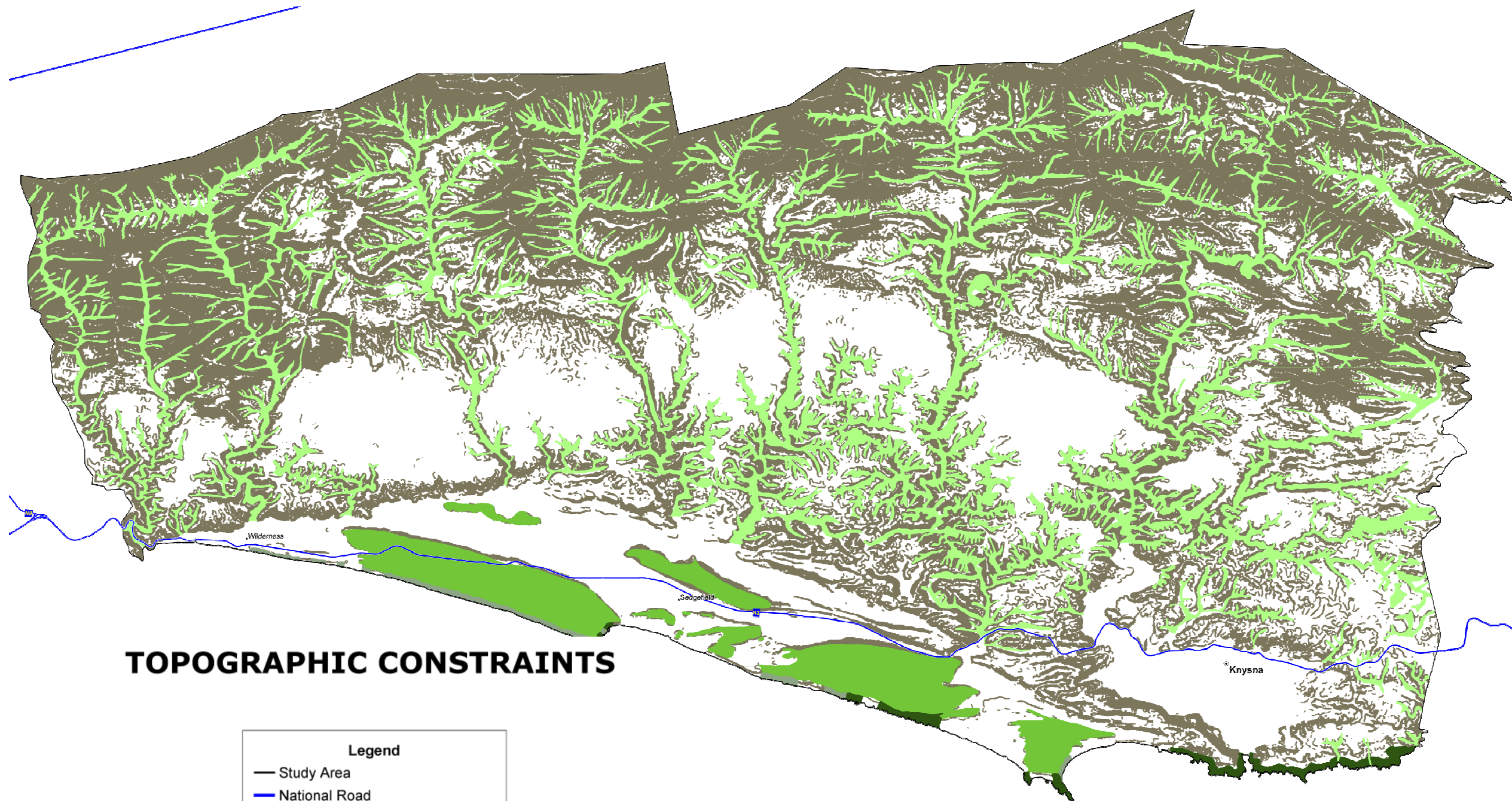
Study Area in Provincial Context



The Garden Route

Environmental Management Framework

Figure 13:
TOPOGRAPHIC
CONSTRAINTS

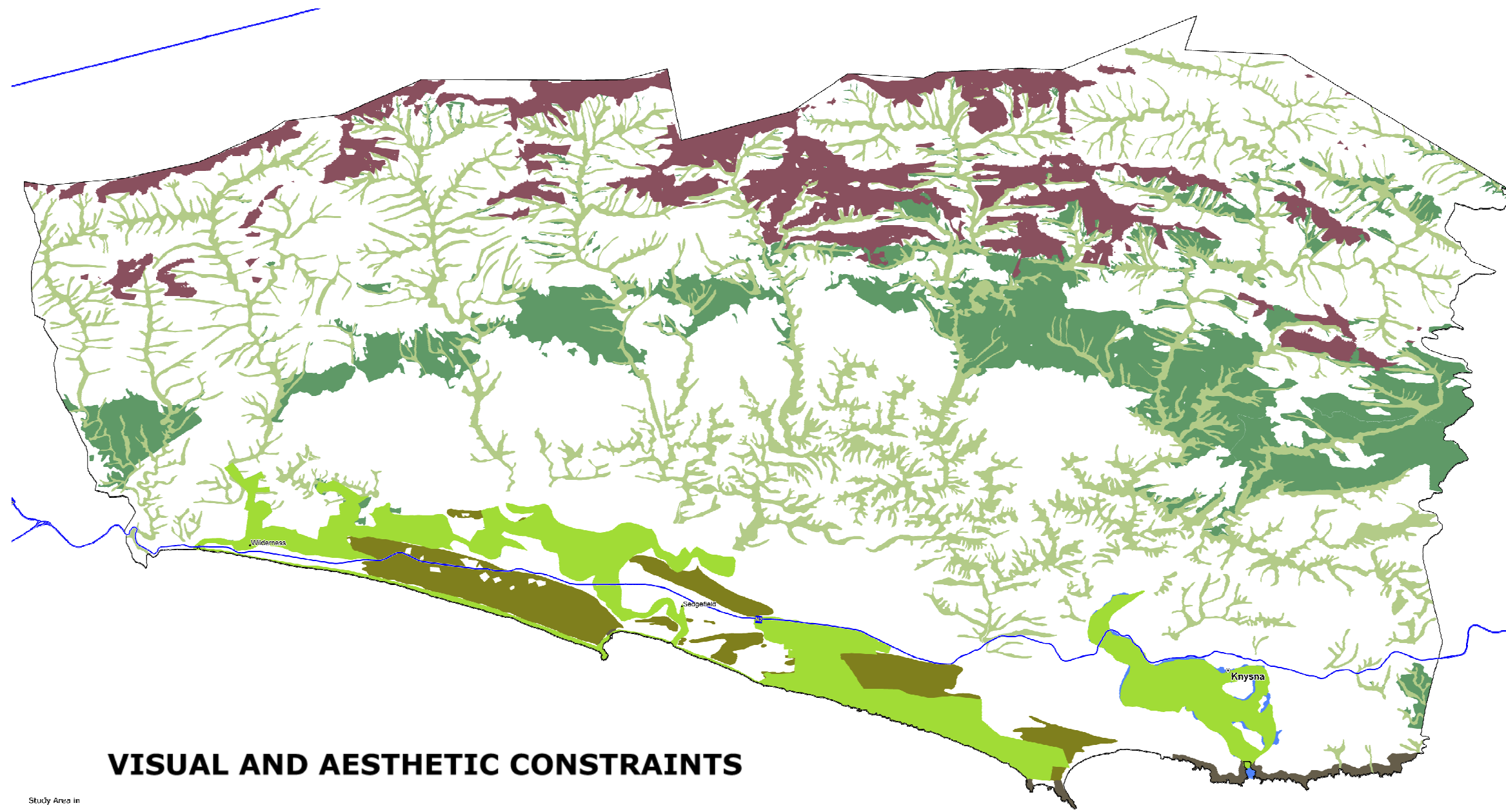


TOPOGRAPHIC CONSTRAINTS

- Legend**
- Study Area
 - National Road
 - 21% greater slope
 - Major River Valleys
 - Coastal Dunes
 - Wavecut Rocky Platforms
 - Exposed Rocky Headlands

**The Garden Route
Environmental Management Framework**

Figure 14 :
VISUAL AND
AESTHETIC
CONSTRAINT

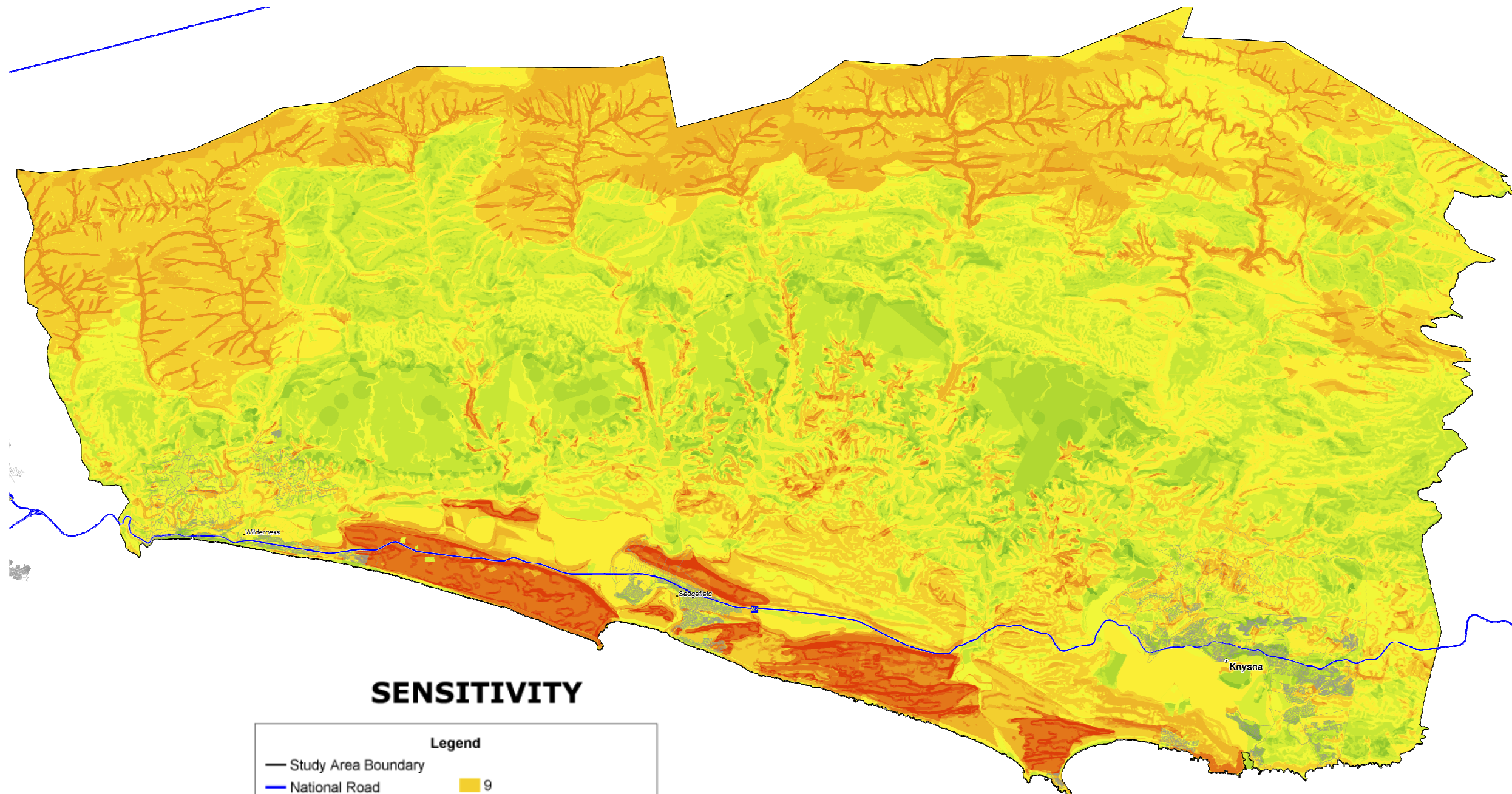


VISUAL AND AESTHETIC CONSTRAINTS

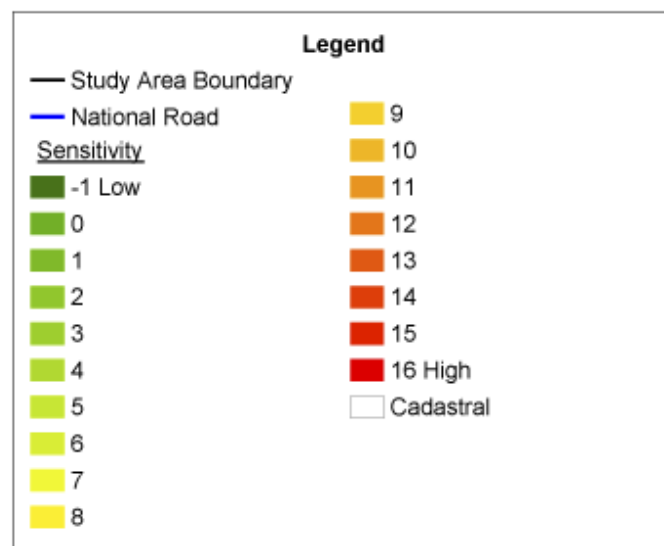
Study Area in

- Legend**
- Study Area Boundary
 - National Road
 - Coastal Dunes
 - Formal Conservation Areas
 - High Mountains
 - Rocky Shores
 - Riparian landscape
 - Knysna Estuary
 - Indigenous Forest

Figure 11 :
SENSITIVITY MAP

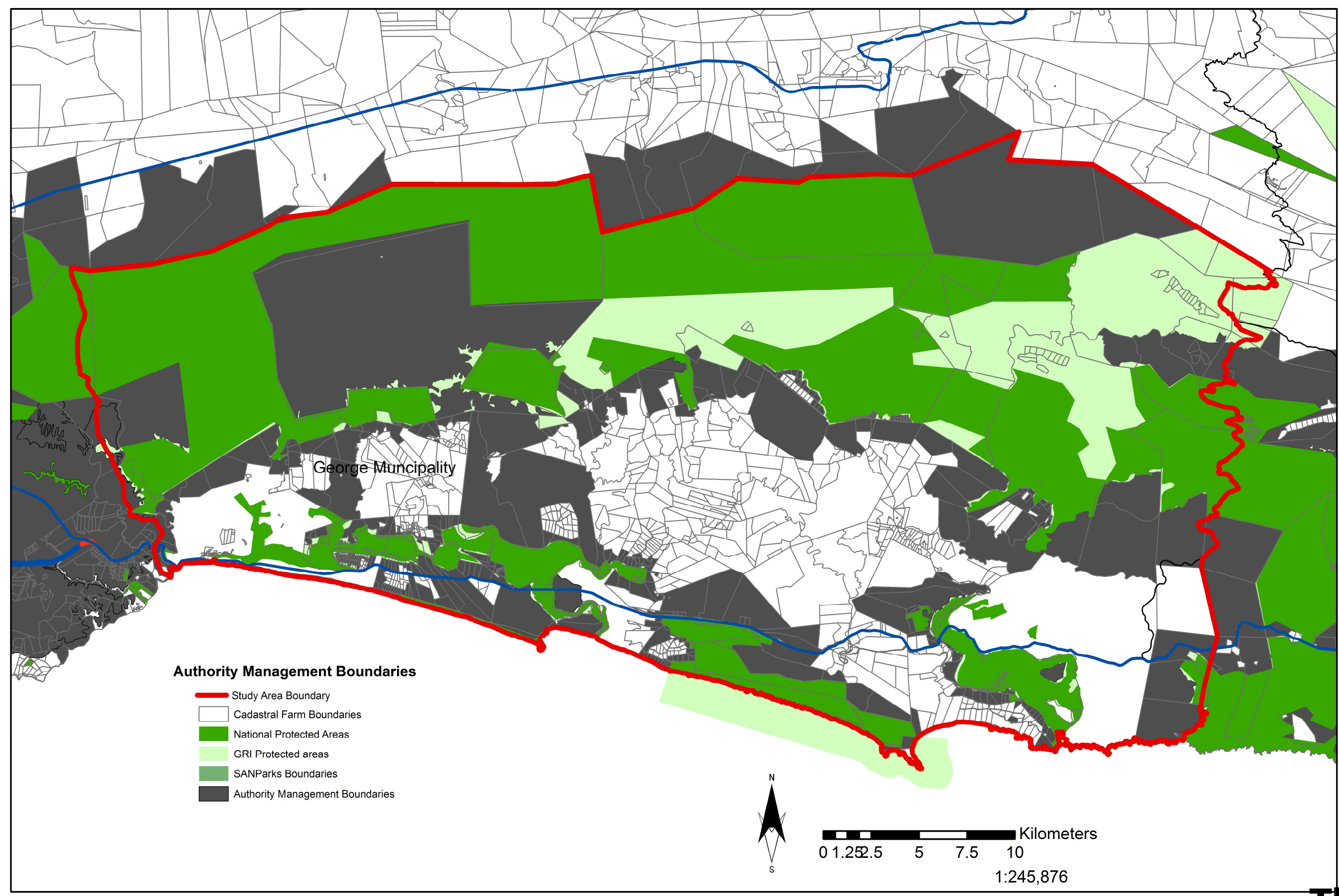


SENSITIVITY



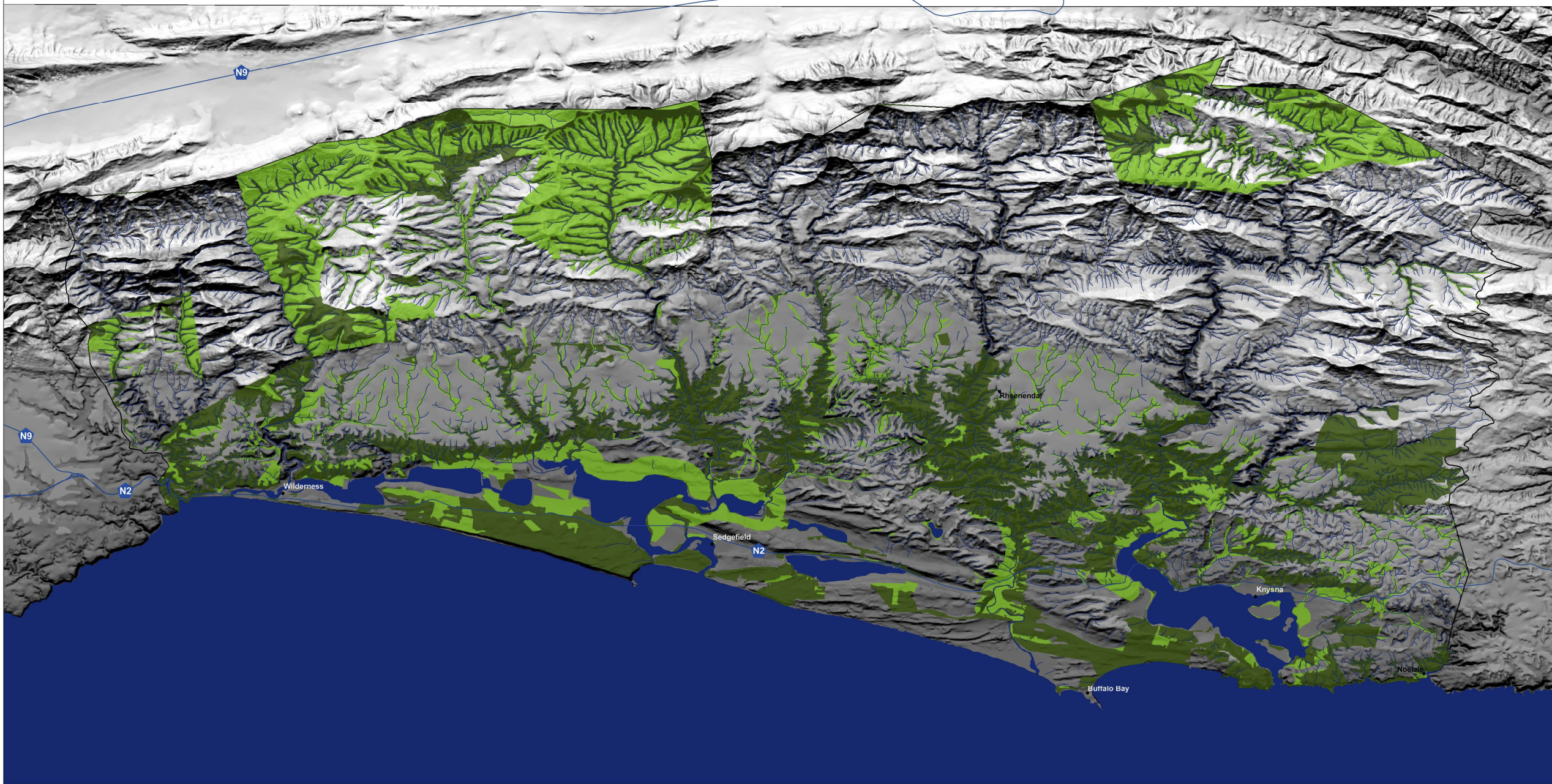
The Garden Route
Environmental Management Framework

**Figure 20 :
AUTHORITY
MANAGEMENT
BOUNDARIES**



**The Garden Route
Environmental Management Framework**

**Figure 17 :
ECOLOGICALLY
SENSITIVE
GEOGRAPHIC
AREAS**

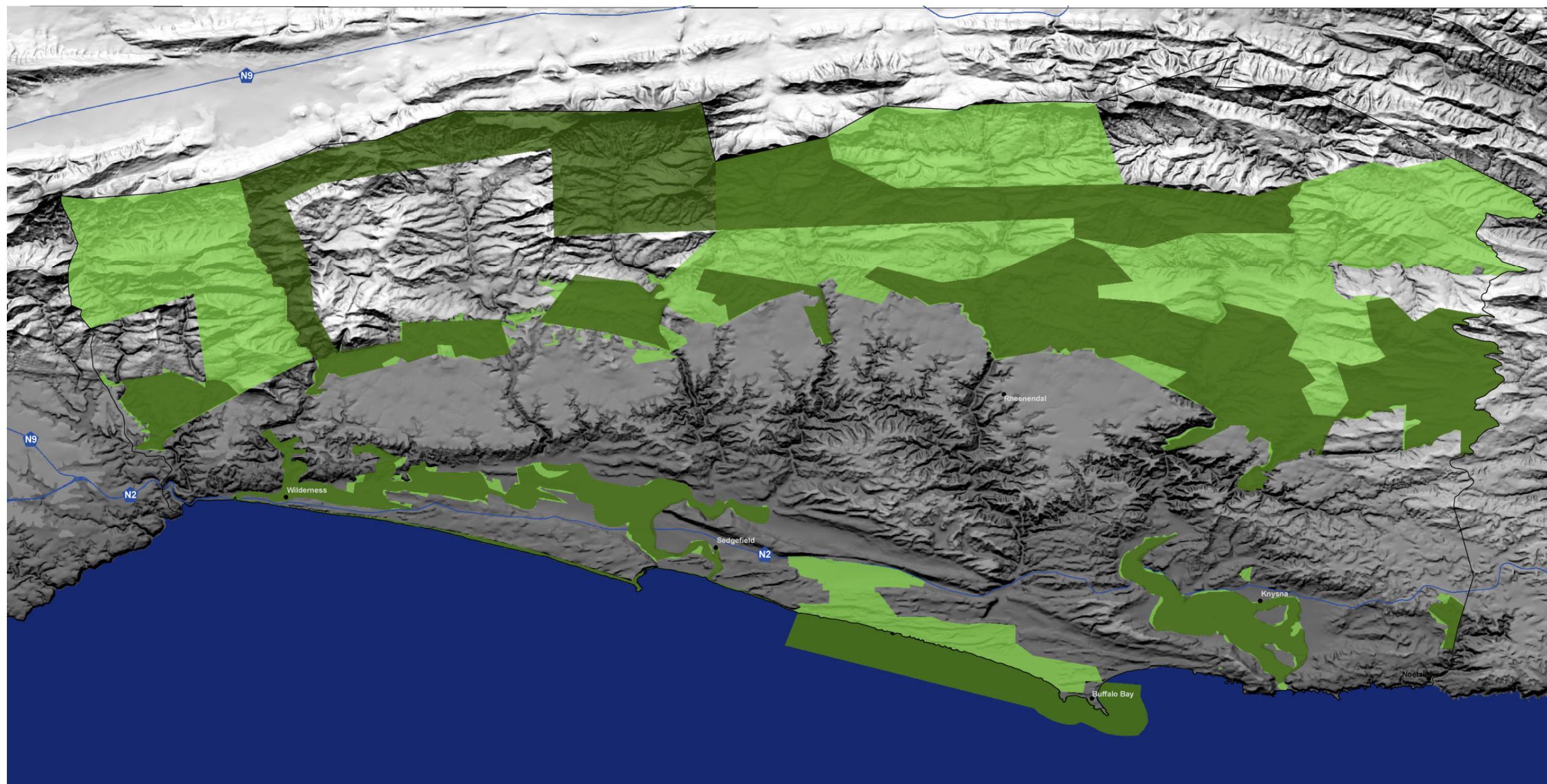


Ecologically Sensitive Geographical Areas

- Legend**
- Hydrology
 - GRI Ecological Support Areas
 - GRI Critical Biodiversity Areas
 - Study Area

**The Garden Route
Environmental Management Framework**

**Figure 19 :
NATIONAL
PARKS
AND
PROTECTED
AREAS**



National Parks and Protected Areas

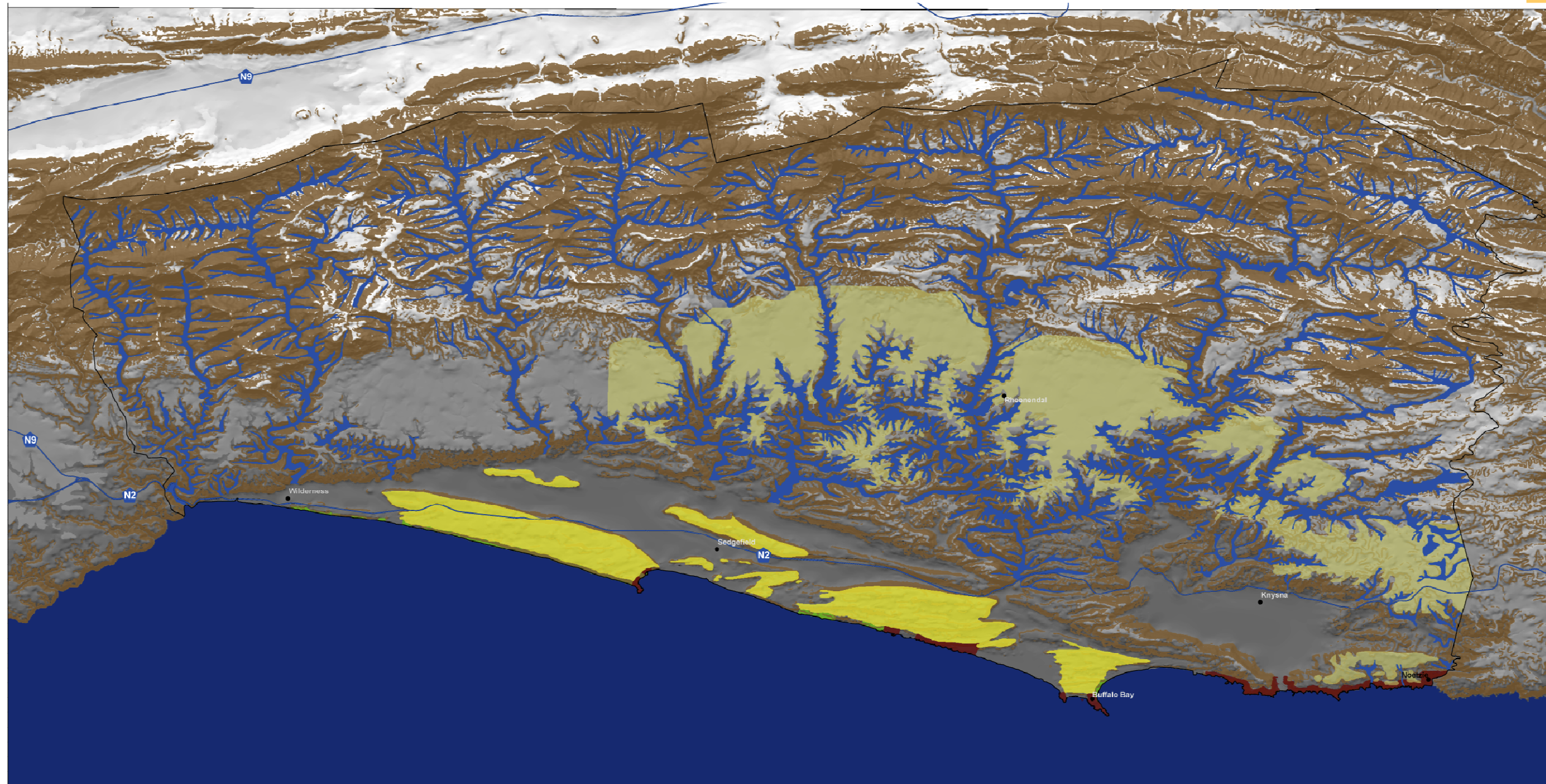
Legend

-  Study Area
-  National Parks
-  GRI Protected Areas

The Garden Route Environmental Management Framework

Figure 16 :

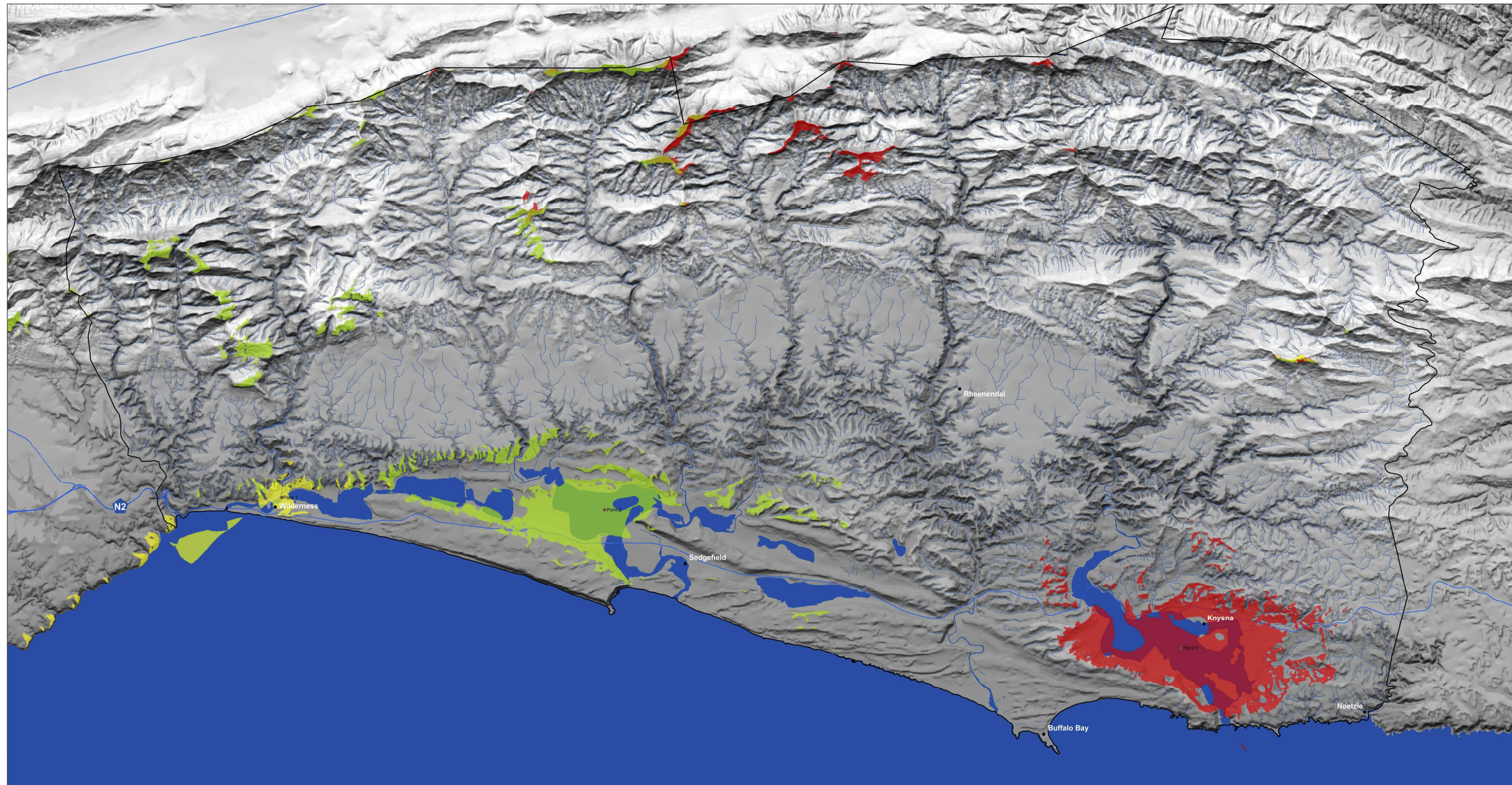
TOPOGRAPHICALLY
SENSITIVE
GEOGRAPHIC
AREAS



Topographically Sensitive Geographical Areas

- Legend**
- Study Area
 - Wavecut Rocky Platforms
 - Slope > 21%
 - Exposed Rocky Headlands
 - Major River Valleys
 - Cover Sands
 - Topographical Prominent Coastal Dunes

**The Garden Route
Environmental Management Framework**



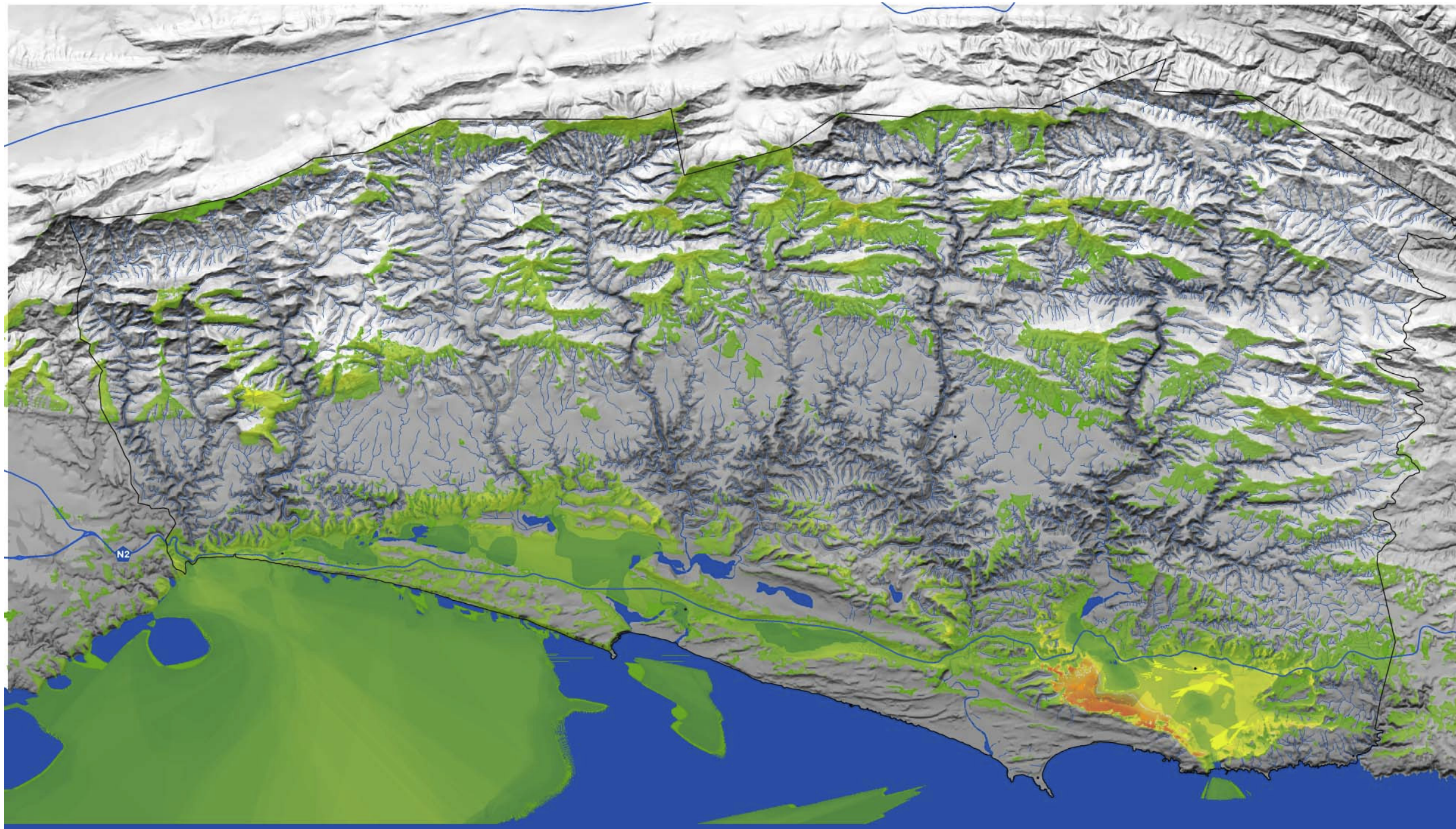
Legend

- Point 1 - SANPARKS Wilderness
- Viewshed for point 1
- Point 2 - Swartvlei
- Viewshed for point 2
- Point 3 - Knysna Estuary
- Viewshed for point 3
- Study Area
- Hydrology

Figure 18b :
VIEWSHED
OF THREE
POINTS IN
PROTECTED
AREAS

The Garden Route
Environmental Management Framework

Figure 18a :
VIEWSHED
OF N2
NATIONAL
ROUTE



Legend

- Point 1 - SANPARKS Wilderness
- Viewshed for point 1
- Point 2 - Swartvlei
- Viewshed for point 2
- Point 3 - Knysna Estuary
- Viewshed for point 3
- Study Area
- Hydrology

**The Garden Route
Environmental Management Framework**