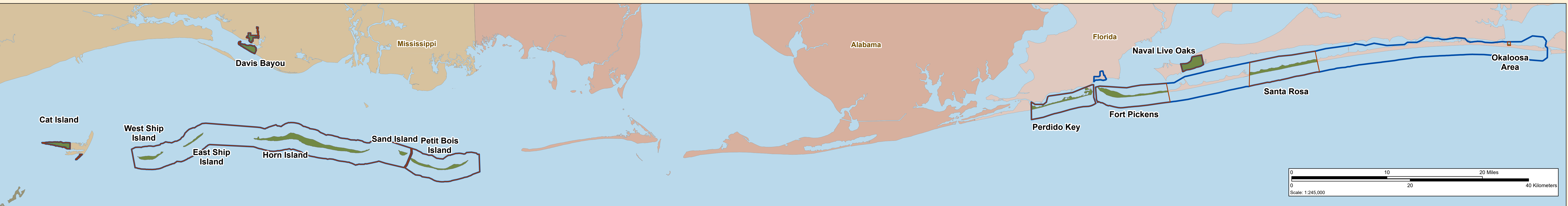
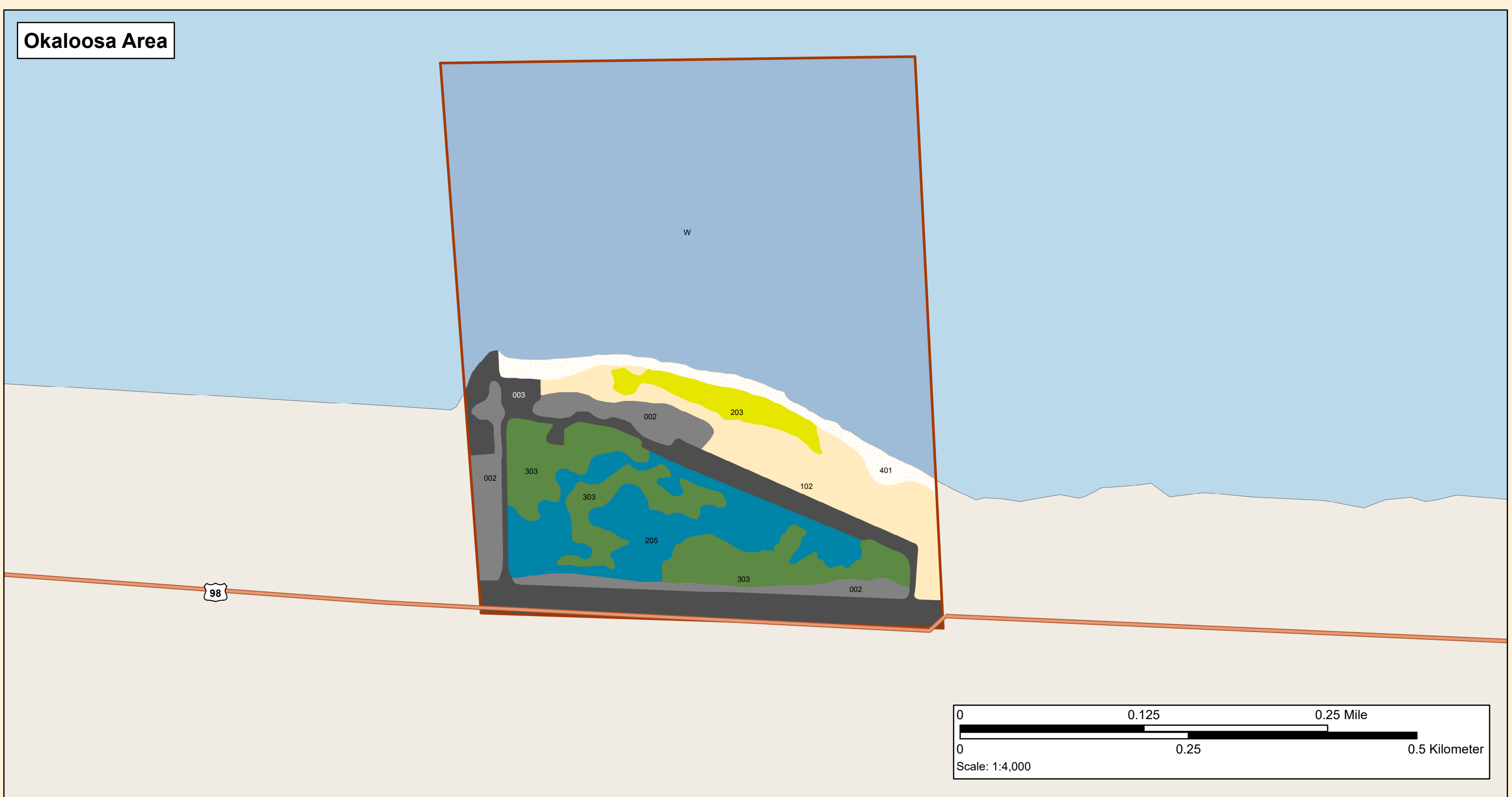
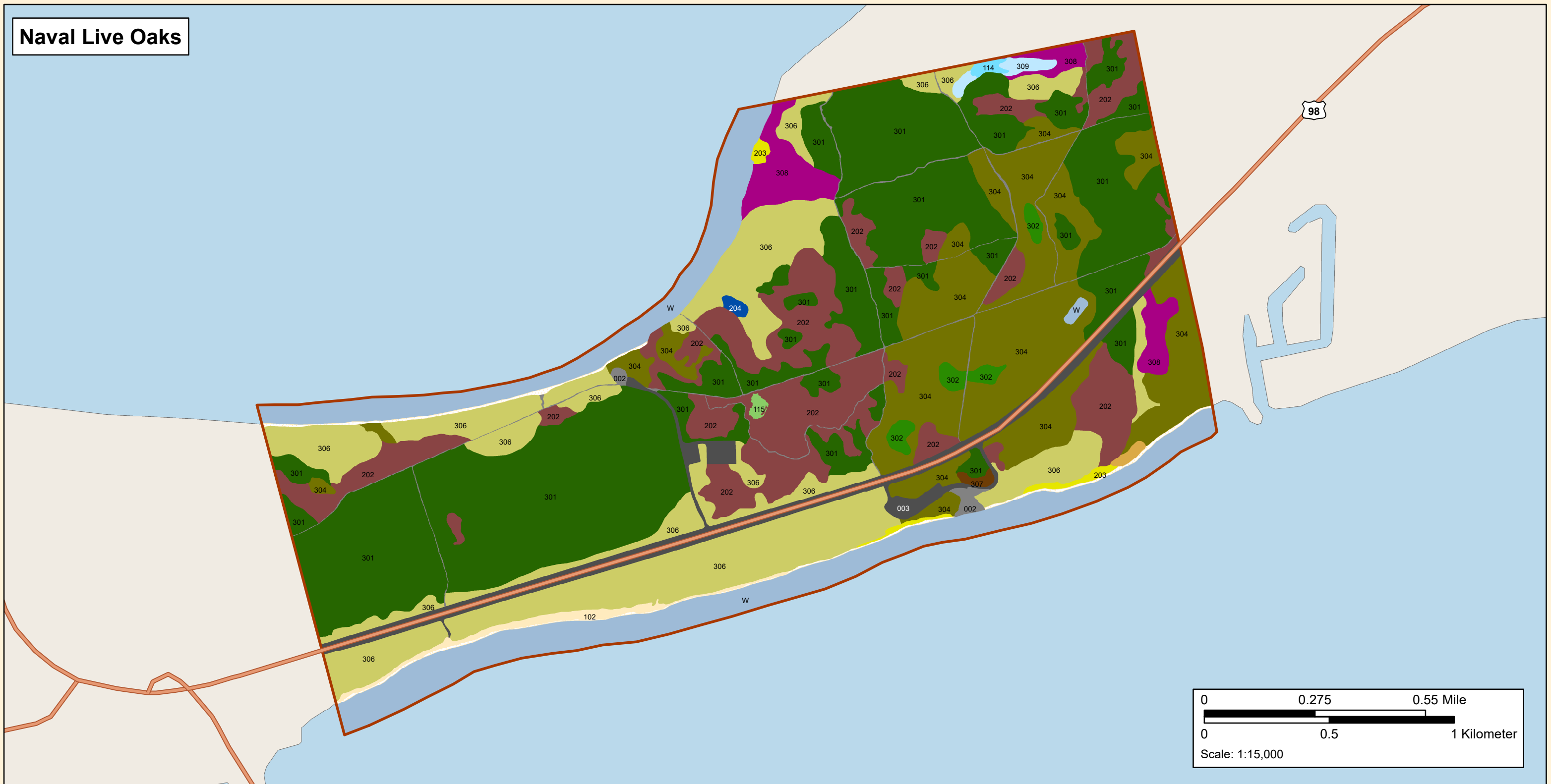
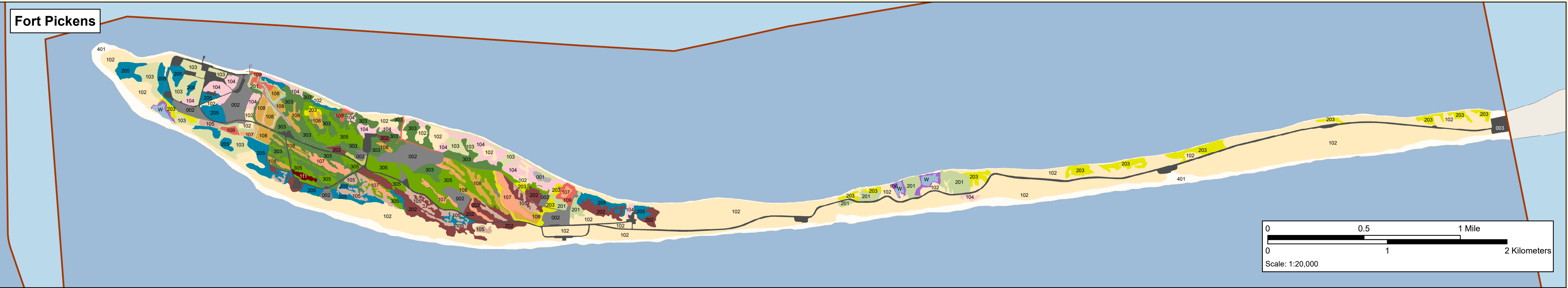
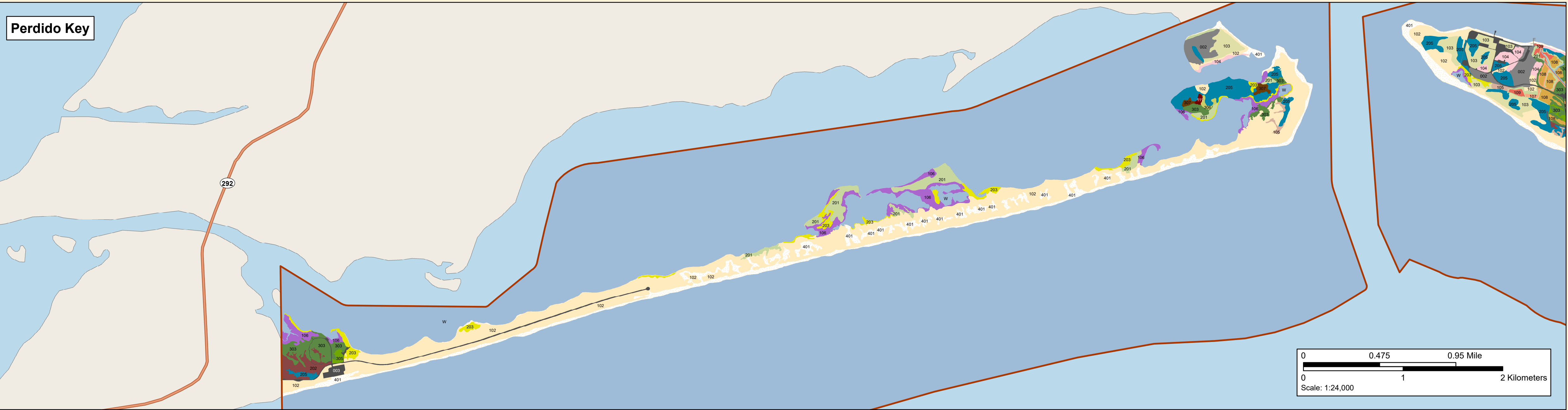


Gulf Islands National Seashore - Florida District



Herbaceous Vegetation		
101	<i>Panicum repens</i> Ruderal Grassland	
102	<i>Uniola paniculata</i> - <i>Panicum amarum</i> var. <i>amarulum</i> - <i>Iva imbricata</i> Grassland	
103	<i>Schizachyrium maritimum</i> - (<i>Heterotheca subaxillaris</i>) Grassland	
104	<i>Smilax auriculata</i> / <i>Heterotheca subaxillaris</i> - <i>Strophostyles helvola</i> - (<i>Uniola paniculata</i>) Grassland	
105	<i>Fuirena scirpoidea</i> - <i>Panicum tenerum</i> - <i>Dichanthelium wrightianum</i> - <i>Andropogon capillipes</i> Grassland	
106	<i>Juncus roemerianus</i> Salt Marsh	
107	<i>Typha domingensis</i> Tidal	
108	<i>Cladium mariscus</i> Tidal Salt	
109	<i>Phragmites australis</i> ssp. <i>australis</i> Tidal Ruderal	
110	<i>Panicum virgatum</i> - (<i>Cladium mariscus</i> , <i>Juncus roemerianus</i>) Salt Marsh	
111	<i>Spartina patens</i> - <i>Schoenoplectus (americanus, pungens)</i> - (<i>Distichlis spicata</i>) Salt Marsh	
112	<i>Spartina alterniflora</i> - <i>Juncus roemerianus</i> - <i>Distichlis spicata</i> Tidal Salt Marsh	
113	<i>Fimbristylis castanea</i> - <i>Paspalum distichum</i>	
114	<i>Carex striata</i> var. <i>striata</i> - <i>Xyris fimbriata</i> - <i>Lachnanthes caroliniana</i> Marsh	
115	<i>Nuphar advena</i> - <i>Nymphaea odorata</i> Aquatic Vegetation	
Shrublands		
201	<i>Ilex vomitoria</i> - <i>Quercus (geminata, virginiana)</i> - <i>Morella cerifera</i> - <i>Serenoa repens</i> Shrubland	
202	<i>Quercus myrtifolia</i> - <i>Quercus geminata</i> - <i>Ceratiola ericoides</i> - <i>Conradina canescens</i> Shrubland	
203	<i>Baccharis halimifolia</i> - <i>Morella cerifera</i> - (<i>Ilex vomitoria</i>) Saline Shrubland	
204	<i>Cyrilla racemiflora</i> - <i>Lyonia lucida</i> Wet	
205	<i>Ceratiola ericoides</i> - <i>Chrysoma pauciflosculosa</i> Shrubland	
Forest and Woodlands		
301	<i>Pinus clausa</i> / <i>Quercus geminata</i> - <i>Quercus myrtifolia</i> - <i>Conradina canescens</i> Woodland	
302	<i>Pinus elliottii</i> / <i>Cliftonia monophylla</i> - <i>Cyrilla racemiflora</i> Swamp Woodland	
303	<i>Pinus elliottii</i> / <i>Serenoa repens</i> - <i>Ilex vomitoria</i> Woodland	
304	<i>Pinus elliottii</i> - (<i>Pinus palustris</i>) / <i>Ilex vomitoria</i> - <i>Serenoa repens</i> - <i>Morella cerifera</i> Woodland	
305	<i>Pinus elliottii</i> - (<i>Quercus myrtifolia</i>) - <i>Quercus geminata</i> Scrub Woodland	
306	<i>Quercus geminata</i> - <i>Quercus virginiana</i> / <i>Serenoa repens</i> - <i>Ilex vomitoria</i> Forest	
307	<i>Quercus virginiana</i> - (<i>Pinus elliottii</i> , <i>Sabal palmetto</i>) / <i>Persea borbonia</i> - <i>Callicarpa americana</i> Forest	
308	<i>Nyssa biflora</i> - <i>Magnolia virginiana</i> - (<i>Pinus elliottii</i>) / <i>Morella (carolinensis, inodora)</i> Swamp Forest	
309	<i>Nyssa aquatica</i> Swamp Forest	
310	<i>Quercus nigra</i> Ruderal Forest	
311	<i>Quercus alba</i> - <i>Carya glabra</i> - <i>Carya tomentosa</i> / <i>Aesculus pavia</i> Forest	
312	<i>Fagus grandifolia</i> - <i>Magnolia grandiflora</i> - <i>Quercus michauxii</i> - <i>Quercus nigra</i> / <i>Rhododendron canescens</i> Forest	
Sparse Vegetation		
401	Beach Bare Sand	
402	Hurricane Impacted	
Landcover		
001	Non-vegetated / Barren Land, Borrow Pit, Cut Bank	
002	Developed, Open Space	
003	Developed, Low - High Intensity	
W	Water / Ocean	

This map illustrates the vegetation and land cover of Gulf Islands National Seashore (GUIS). This map and supporting data were produced by Colorado State University under a cooperative agreement with the National Park Service (NPS) Inventory and Monitoring (I&M) Program. The goal of the I&M Program is to provide core or 'baseline' information that park managers need to effectively manage and protect park resources.

The vegetation inventory, including classification and mapping of vegetation communities, was developed using established NPS protocols and guidance. Data obtained through this inventory are compatible across multiple NPS units, allowing for synthesis and analysis at broader levels. The vegetation inventory and mapping described in the report is one of 12 baseline inventories of natural resources to be completed at over 270 NPS units.

The vegetation classification for mapping at GUIS was derived from the U.S. National Vegetation Classification (USNVC) system version 2.03 (March 2019). The USNVC is based on the schema outlined in the National Vegetation Classification Standard, Version 2 (February 2008), of the Federal Geographic Data Committee and is used to define and organize existing vegetation communities across the nation into a standardized hierarchy. Over 250 representative vegetation plots were sampled within the 88,387 acre (35,769.0 ha) park during the summer of 2016 to support the GUIS vegetation classification. Additional field data were collected during 2017 and 2018 to refine the classification and preliminary map. GUIS plot data were analyzed using a variety of ordination and clustering techniques to produce 34 distinct vegetation types, including four types which are local or regional variations not currently defined in the USNVC and are referred to as park specials.

The map includes 34 vegetation classes and 4 land cover classes. The source imagery used to produce the digital map included a combination of 2014 and 2016 Hexagon imagery, 2014-2017 Farm Service Agency National Aerial Imagery Program imagery, and 2017 post-Hurricane Nate imagery from the National Oceanic Atmospheric Administration National Geodetic Survey. In addition to using aerial imagery, 2016 Topographic / Bathymetric Light Detection and Ranging (LiDAR) data available from the United States Army Corps of Engineers National Coastal Mapping Program was used to analyze vegetation structure. A minimum mapping unit of 0.50 ha was applied and the spatial data and all supporting layers are projected in UTM, Zone 16 North, using North American Datum 1983.

The thematic map accuracy varies by map class. Details are provided in the project technical report. Not all data layers represented maintain the same accuracy level, therefore the map scale applied does not necessarily equate to the implied horizontal or vertical positional accuracy.

Legend

- Gulf Islands National Seashore Project Boundary
- Gulf Islands National Seashore Administrative Boundary
- State Boundaries
- Water Bodies
- Highways

Projection UTM Zone 16 North
Datum NAD83, Units Meters
Base data from ESRI StreetMap
Composition Date: March 2020
Produced by Colorado State University
for the NPS VMI Program

