

Visualization and Quantitative Analysis of Historical Trends in Land Use Change and Tidal Creek Emergent and Submerged Habitats Dr. Joanne N. Halls and Ms. Kaitlyn Costin Dept. of Geography & Geology

E 1~4

1, 2006 Land Use

Percent Slope

311-1

581-1

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5. Slope

0 - 250 250.01 - 500 500.01 - 110 750.01 - 110

7. Distance from NWI

10. WorldView-2 Imagery

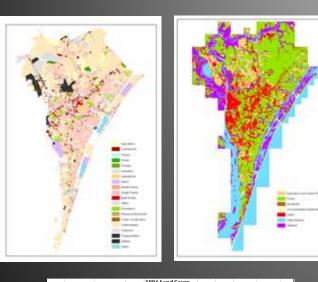


Abstract

corporable lotformation Spearse (GD) as a commonly used to may monitor and analyse landscape damage through time. The parameter for this project to compile a GD statistication, compared to those and the tem temptodocities for creating leaders that the temptodocities. The database development costs of both mition call income as well as new data collected with up-to-date technology. An instrument, the database development costs of both mition call income as well as new data collected with up-to-date technology. An instrument compared to the home data are explored as a statistication of the statistication of the

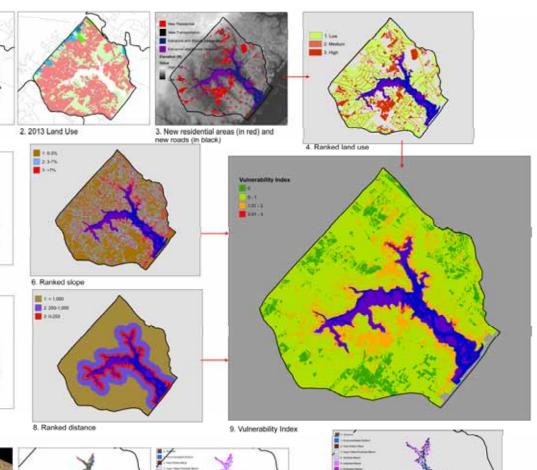
Study Area: New Hanover County, North Carolina

considered langbla a rual population with an esconory confered on agriculture and toxitise, many parts of North Carolina are and some shan contents with varied economies such as banking pharmaceuticals, and computer technologis. The population growth within the costal counties is langed, due to increasing reterment communities, winnington (bev Hanover count) is an example of a growing costal (by reminiscent of them costal) and bese parts in the population growth Figure 1). In company in 1976 (b) to 1996, the largest land cover changes were new unbain and toxis in agriculture as population growth in the population growth Figure 1).



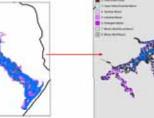
		1996 Land Cover								
		Agriculture	Forest	Sand	Shrubland	Urban	Water	Wetland	Total '87	
	Agriculture	6.50	3.17	0.14	0.44	3.66	0.08	0.60	14.59	
	Forest	1.27	29.35	0.02	0.81	2.03	0.08	2.78	36.35	7.00
1987	Sand	0.19	0.04	0.54	0.03	0.18	0.05	0.04	1.06	
Land	Shrubland	0.28	1.99	0.01	0.10	0.35	0.02	0.37	3.11	
Cover	Urban	1.39	0.00	0.03	0.13	4.57	0.02	0.11	6.25	
	Water	0.06	0.32	0.51	0.04	0.23	22.38	4.55	28.08	
	Wetland	0.26	1.55	0.04	0.53	0.26	0.17	7.75	10.56	
	Total '96	9.95	36.41	1.28	2.07	11.29	22.80	16.20		
	Gain	3.45	7.07	0.74	1.97	6.72	0.42	8.44		

Table 1. Land cover change in New Hanover county from 1987 to 1996.





11. Unsupervised Classification 12. Habitat Classes





13. Spatially Balanced Points