

Appendix A: Gulf Coast Study GIS Datasets

Table A.1 Datasets in the geographic information system for the Gulf Coast study area.

Topic	Dataset
Elevation/Subsidence	National Elevation Dataset (NED) for Gulf Coast study area
	Lidar for coastal Louisiana
	LSRC/NGS Subsidence Measurement Network for LMRV (NOAA Tech Report 50)
Transportation Infrastructure	Pipeline data obtained from the U.S. DOT OPS National Pipeline Mapping System
	Road networks from TIGER data, 2003
	Individual State evacuation routes
	Railway network from TIGER data
	Rail networks (Source: Federal Railroad Administration, 2005)
	Amtrak stations (Source: Federal Railroad Administration, 2005)
	Fixed guideway transit facilities (Source: Bureau of Transportation Statistics, Federal Transit Administration)
	Airports (Source: Federal Aviation Administration, 2005)
	Ports (Source: U.S. Army Corps of Engineers, 2005)
	Intermodal freight terminals (Source: Bureau of Transportation Statistics, 2004)
	Navigable waterways (Source: U.S. Army Corps of Engineers)
Imagery and Topographic Maps	Landsat 5 Thematic Mapper (TM) satellite data at 90-m resolution
	Aerial Photography at 1-m resolution from the 1998 DOQQ
	Topographic Maps (DRG) at 1:24,000, 1:100,000, and 1:250,000 scales

Table A.1 Datasets in the geographic information system for the Gulf Coast study area (continued).

Topic	Dataset
Earth Sciences	Geology at 1:2,000,000 covering the study area
	1:500,000 for Louisiana
	State Soil Geographic Database (STATSGO) for Gulf Coast study area
	Soil Survey Geographic Database (SSURGO) in tabular form available for Gulf Coast study area
	National Land Cover Dataset (NLCD)
	EcoRegions
Hydrology	National Hydrographic Dataset (NHD)
	Federal Emergency Management Agency (FEMA) Q3 flood data
	Hydrologic unit watershed coverage of Gulf Coast drainage
Administrative Geography and Other Infrastructure	
Political boundaries (Source: U.S. Census)	
Demographic data (Source: U.S. Census)	
Urbanized areas (Source: U.S. Census)	
MPO planning boundaries (Source: BTS)	
Coastal and hazard planning districts (Source: FEMA)	
Petrochemical and energy resources (Source: EPA/CENSUS)	
Industrial centers (Source: EPA/CENSUS)	
Employment centers (Source: CENSUS)	
Government/Federal facilities (Source: USGS)	
Military bases (Source: MTMCTEA)	
Public health, education, service facilities (Source: CENSUS)	
Emergency response and safety facilities (Source: FEMA)	