

GIS Data Sets and Imagery

A CD-ROM accompanies this report and contains all geographic data sets as ARC/INFO® export files and ArcView® shapefiles (ESRI). The geographic data sets include: 1) soundings, reduced to Mean Lower Low Water (MLLW) or NGVD29 in areas behind locks, and recorded to the nearest 0.5-foot, 2) the location of the water level recorders used to correct soundings to MLLW, and 3) channels, created from soundings and represented as line features. Collection times are recorded in Coordinated Universal Time (UTC) for soundings. The projection parameters for all geographic data sets are as follows:

Projection:	Albers
Datum:	NAD83
Units:	Meters
Spheroid:	GRS1980
1 st Standard Parallel:	24.0
2 nd Standard Parallel:	31.5
Central Meridian:	-84.0
Latitude of Projection's Origin:	24.0
False Easting (meters):	400000.0
False Northing (meters):	0.0

The CD-ROM contains resampled USGS Digital Orthophoto Quarter Quadrangles at 1, 3, and 6-meter resolutions in JPEG format. Metadata, compliant with standards outlined by the Federal Geographic Data Committee, is provided on the CD-ROM for each geographic data set. The ArcView project (e.g., /ProjectDataCD/leephase3.apr) was created with a view containing all data sets and imagery. The included JPEG imagery requires that the JPEG (JFIF) extension be invoked from the available extensions.

The data sets and imagery that are included are described as follows:

- a. DEPTHS—information on depths points recorded for all channel centerlines and approaches to boating facilities and referenced to the navigation datum, MLLW (or NGVD29 in areas behind locks), and reported to the nearest 1/2 foot.
- b. CHANNELS—boating access channels, classified according to depth (nearest 1/2-foot; MLLW) and degree of restriction.
- c. TIDE GAUGE—the locations of tide gauges used to correct soundings to MLLW or NGVD29 (soundings behind locks).
- d. BOATS—boats berthed in the water or stored on salt-water accessible parcels. Information includes boat type, length, age, make and model, draft, facility, mooring type, the date the boat was surveyed, and the level of restriction.
- e. MOORINGS—moorings, including information on facility, mooring type, and the date the mooring was surveyed.
- f. DERELICTS—derelicts vessels, including information on condition, whether the vessel is beached or afloat, percent of submersion, and the date the vessel was surveyed.
- g. SIGNS—boat-related signs in the water and along the waterfront and visible to boaters. Information includes site, type, message, status, condition, and the date the sign was surveyed. The signs are grouped into the following classes: hazard warning, municipal mooring, navigation guide, private ownership, resource protection, and speed regulation.
- h. TRAFFICSHEDS—trafficheds (navigable waterways that serve as boat source areas). Trafficheds serve as units of analysis and allow the county to prioritize waterway management efforts. Information provided for each traffiched includes the numbers of boats,

moorings, signs, and derelict vessels that were present in the trafficshed at the time of the field surveys. Trafficsheds range from complex canal systems to short, one-segment channels that provide access from shore to open-bay waters.

- i. ATLASINDEX—tiles constructed from a digital map index of USGS quarter quadrangles. Each tile represents 1/16th of a quarter quadrangle and is labeled with the quadrangle name, the quadrangle quarter (NW, NE, SW, SE), the Florida Department of Environmental Protection quadrangle number, and a page number that corresponds to the project mapping extent.
- j. Background imagery derived from USGS 1-meter digital orthophoto quadrangles is included in the directory labeled Images. Each image is provided JPEG formats, and the JPEG images are available in 1, 3, and 6 meter resolutions.

Metadata is provided for all data sets in HTML format.