

### Implementing the South Florida Gazetteer to Support Restoration Information Retrieval



# What is the South Florida Digital Gazetteer?

### The South Florida Digital Gazetteer is ...

- The "PLACE NAME" authority for places in South Florida for CERP!
- A GIS database of Official Names and "FOOTPRINTS" for natural and specific man-made features.
- Based on the USGS Geographic Names Information System (GNIS).

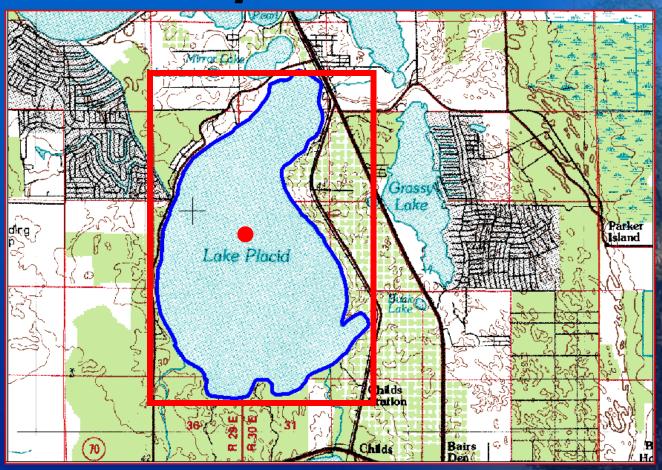


### The Challenges of Defining a "Place"

- Where does one place end and another place start?
  - What is a recognizable boundary of the "Hole-in-The-Donut"?
- What is included as the extent of a place?
  - Does the "Everglades" include some, none, or all of "Lake Okeechobee?"
  - Which specific islands make up the "10,000 Islands" area?
- What is the (primary) name of a place?
  - Cork Screw Swamp VS. Corkscrew Swamp



# Where does one place stop and another place start?





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### Why Build the South Florida Digital Gazetteer?

- USGS National Gazetteer (GNIS) has not been updated since 1987 for Florida
- Provide Place Name Thesaurus for all of CERP
- Promote clear communication among the CERP Partners
- GNIS National Coverage is not specific for all of South Florida's unique feature types.
  - Spoil vs. Tree Islands
  - Project Boundaries





# The Details behind the South Florida Digital Gazetteer

- Built with a Phased Approach
- Phase 1 Prototype completed in 2004
  - Complete Database Schema
  - Process for uploading data and planned process for coordinating with the State and the USGS
- Phase 2 completed in 2007
  - Database populated with 8,000 Florida features
  - History capture ability
- Phase 3 completed in 2008-2009
  - Integration into CERP Applications
  - Momentum to bring in State Agency participation





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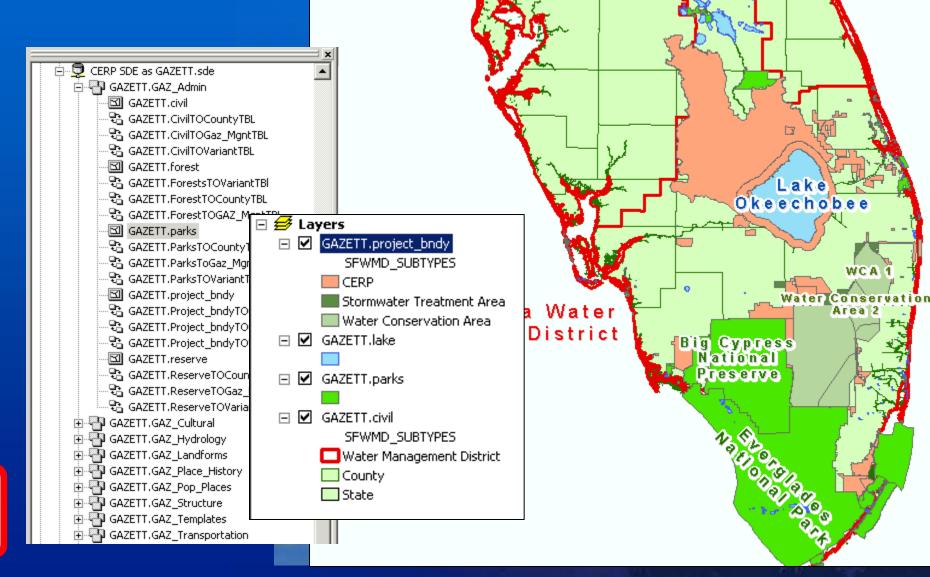
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# How does data get into the South Florida Digital Gazetteer?

- Source of Official Place location data is Identified
  - Examples (FDEP, SFWMD, Counties, other State Agencies)
- Data is pre-processed for correct projection and attribution
- Data is loaded into the Database using ArcGIS Desktop Tools
- Data is maintained manually at the current time
- Data update automation scripts will be deployed in Phase 3



### The South Florida Digital Gazetteer!!!





### Important Components of the South Florida Digital Gazetteer

- Capture History of a Place
  - Source of the information
  - Changes in Name or Boundary over time
- Capture Variant Names
  - Alternative names
  - Historical names
  - Component names (CERP Specific)
- Capture Subtypes
  - GNIS Feature Classes broken down into Florida Specific Subtypes
    - Islands Spoil, Tree, Natural
    - Project Boundaries CERP, Save Our Rivers, Critical Restoration Projects, etc



### Key Findings

- Place names are useful for organizing and retrieving restoration data and information.
- Certain place names have historical recognition and deserve an "authoritative status."
- Geospatial technology and methods are critical for developing and maintaining gazetteers.
- Web-based tools enable widespread access to place name-related information.



sfymd.gov

# Where is the South Florida Digital Gazetteer being used?

- Base data used for the majority of CERP GIS Analysis and Mapping
- Spatially enable "non-spatial" data
  - Link between GIS and Documentum
- Web Applications
  - CERP Map Library

Available for your use in the CERPZONE!!!!







June 2004

### CENTRAL AND SOUTHERN FLORIDA PROJECT

COMPREHENSIVE EVERGLADES RESTORATION PLAN



COMPREHENSIVE EVERGLADES RESTORATION PLAN

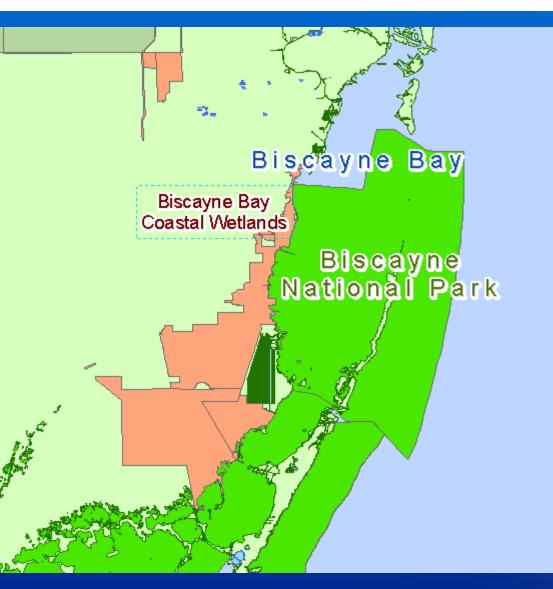
BISCAYNE BAY COASTAL WETLANDS CONCEPTUAL ALTERNATIVES





South Florida Water Management District

June 2004





Document Place Name Keyword = Biscayne Bay Coastal Wetlands



Comments...

Discussion...

