

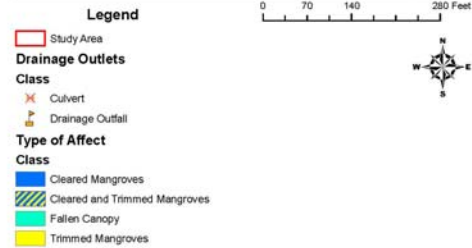
CITY OF KEY WEST STORMWATER COMPLIANCE

Sandra Walters Consultants, Inc. (SWC) is serving as overall environmental project manager to bring the City of Key West into compliance with environmental resource permitting requirements in regard to mangrove clearing associated with City stormwater system maintenance. The result to date is a consent agreement adopted unanimously by both the Key West City Commission and the South Florida Water Management District (SFWMD) governing board that addressed mitigation to provide both for already-accomplished and additional immediate emergency mangrove clearing and future clearing required for maintenance of entire City stormwater system.

SWC responsibilities have included:

- ❖ extensive coordination with staff of City of Key West, SFWMD, U.S. Army Corps of Engineers, Florida Department of Environmental Protection, and City-contracted engineering and hydrologic modeling consultants,
- ❖ detailed mapping, using ArcGIS 9.2, of already cleared and immediately needed emergency maintenance sites, to produce total impact areas,
- ❖ detailed characterization of emergency maintenance sites for development by SFWMD of functional loss scoring under Uniform Mitigation Assessment Method (UMAM),
- ❖ design of extensive mitigation plan involving restoration of 5.6 acres of wetland and enhancement at former Hawk Missile site in eastern Salt Ponds and creation of connection between Riviera Canal and western Salt Ponds to enhance 131 acres of wetlands and cause significant water-quality improvements,
- ❖ GIS mapping and ecological characterization of mitigation sites to provide data for SFWMD functional gain scoring with UMAM,
- ❖ coordination with project engineers to develop construction drawings to depict all elements of mitigation plan, including careful design of mangrove colonization and planting areas for appropriate elevations to assure long-term success criteria will be met,
- ❖ compilation of complete impact assessment and mitigation plan (307 pages), including construction drawings, for inclusion by reference in consent agreement,
- ❖ review and comment on consent agreement text proposed by SFWMD, and
- ❖ preparation of all plan copies and large graphics for presentations at consent agreement adoption hearings.

ATTACHMENT 2E Affected Areas Near Jose Marti Drive



Source: NOAA September 26, 2005 aerial photograph, adapted by SWC

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