

Monroe County Selection of Demonstration Canals for BACKFILLING

Canal ID: 29 Key Largo

Location: MM 106 Sexton Cove Estates subdivision, Bayside

Summary of Water Quality Impacts: Primary – Deep stagnant zone with an average depth of -19.44.

Restoration Technology: Backfilling (For the purpose of eliminating deep oxygen depleted impaired water quality zone).

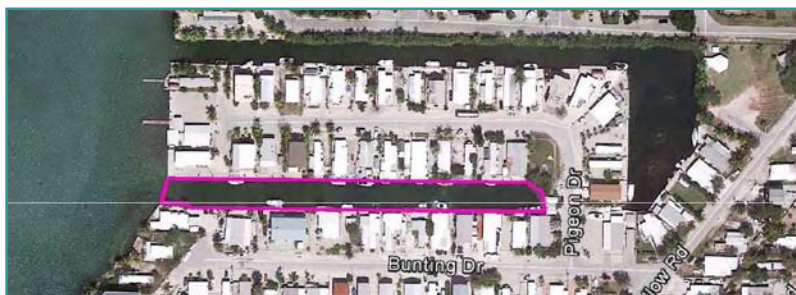
Site Conditions: The canal has an orientation pointing due west and discharges into Sexton Cove. Private ownership of the lands below the high-water mark is not reflected in the plat book.

Existing Treatment: Aerator

Homeowner Communication: David Gilbert, president of the Sexton Cove Property Owners Association, 305-451-2020, emailed Monroe County stating interest in a demonstration project for backfilling in the Sexton Cove canals.

Water Quality Summary*			
D.O. (mg/L / % Saturation)	Turbidity (NTU)	W.Q. Summary & CMMP Ranking	Demo Ranking
3.05 / 43.5% at 3 ft	0	Poor 92	64

Characteristics	
Size (acres)	0.86
**Average Depth (ft)	-19.44
**Min Depth (ft)	-32.33
Degree of Stagnation	-0.6
Number of Mouths	1
Organic Thickness (ft) Average	1.41
Parcels	26
WBID	6006A Impaired
WWT	KLWTD
FKNMS Monitoring Station	None



Abbreviations: Dissolved Oxygen (D.O.); Nephelometric Turbidity Unit (NTU); milligrams per liter (mg/L); Water Body Identification (WBID); waste water treatment (WWT); Feet (ft).

*Information presented in the 2013 Monroe County Canal Management Master Plan.

**Data collected during the 2013 Monroe County Canals Bathymetric Survey.