



State of the Resource Report for Clearwater Harbor and Saint Joseph Sound

July 2011

[Main body of the report](#) – 9 MB 

[Executive Summary](#) – 472 KB 

1.0 Introduction

- 1.1 Objective
- 1.2 Geography
- 1.3 History

2.0 Physical Characterization of the CHSJS Estuary

- 2.1 Geographic Extent
- 2.2 Bathymetry
- 2.3 Circulation
- 2.4 Environmental Lands

3.0 Physical Characterization of the CHSJS Watershed

- 3.1 St. Joseph Sound Watershed
- 3.2 Clearwater Harbor North Watershed
- 3.3 Clearwater Harbor South Watershed
- 3.4 Hydrology of the CHSJS CCMP Area
- 3.5 Environmental Lands

4.0 State of the CHSJS Watershed Resources

- 4.1 Watershed Water Quality
- 4.2 Watershed Land Cover Change Analysis


5.0 State of the CHSJS Estuary Resources

- 5.1 Estuarine Seagrasses
- 5.2 Estuarine Water Quality
- 5.3 Estuarine Emergent Wetlands
- 5.4 Benthic Macroinvertebrates and Sediments in the CHSJS Estuary
- 5.5 Fish and Fish Habitats in the CHSJS Estuary
- 5.6 Charismatic Megafauna - Marine Mammals and Sea Turtles in the CHSJS Estuary
- 5.7 Birds of the CHSJS Estuary

6.0 References


Appendices:

[A – Hydrodynamic Model Descriptions](#) – 2.3 MB 

[B – Dry Year \(1999\) and Wet Year \(1997\) Median Monthly Salinity](#) – 6.4 MB 

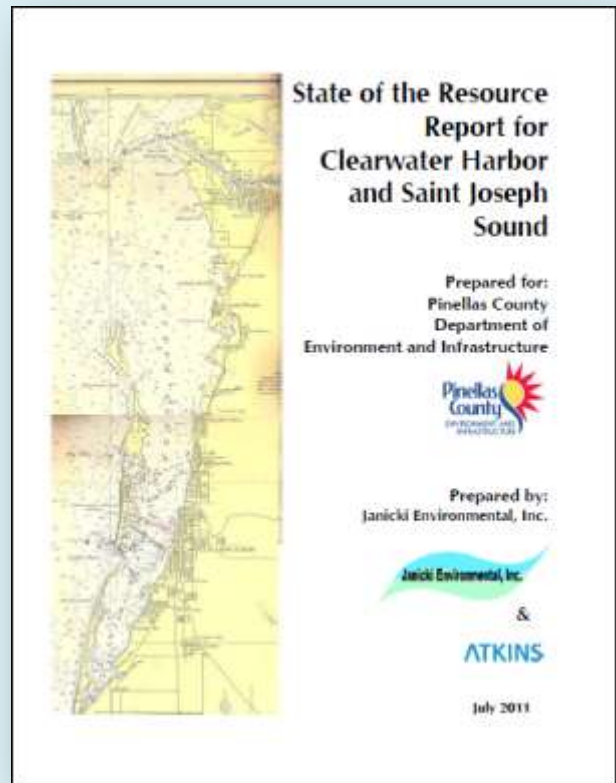
[C – Dry Year \(1999\) and Wet Year \(1997\) Mean Monthly Surface Velocities](#) – 1.1 MB 


[D – Aggregated Florida Land Use Cover and Form](#) – 169KB 

[E – Watershed Water Quality Plots](#) – 1.3 MB 


[F – FDEP Impaired Waterbodies in the CHSJS](#) – 42 KB 


[G – Methods for the Estimation of Nutrient and Hydrologic Loadings](#) – 128 KB 




[H – Pollutant Loading Model Results Biological Oxygen Demand Time Series](#) – 240 KB 


[I – Potential Wetland Restoration Sites](#) – 295 KB 

[J – Historical Mapping Methods](#) – 672 KB 

[K – Estuarine Water Quality Plots](#) – 65 KB 

[L – Descriptive Statistics for Estuarine Water Quality](#) – 2.5 MB 

[M – EPC Benthic Sampling Methods](#) – 98 KB 

[N – Sediment Contaminant Maps](#) – 2.1 MB 

[O – CHSJS PEL's and TEL's \(Probable Effect Levels and Threshold Effect Levels\)](#) – 144 KB 

[P – Fish Species List](#) – 122 KB 