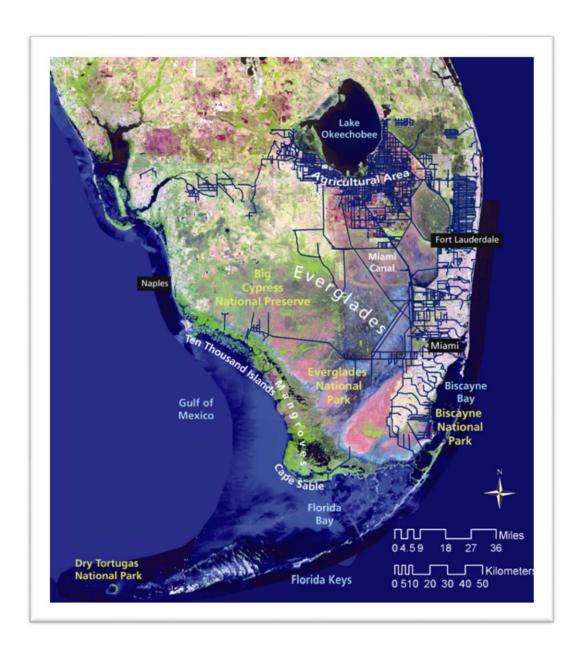
Everglades National Park: Water-Quality Overview

Joffre Castro

February 2011

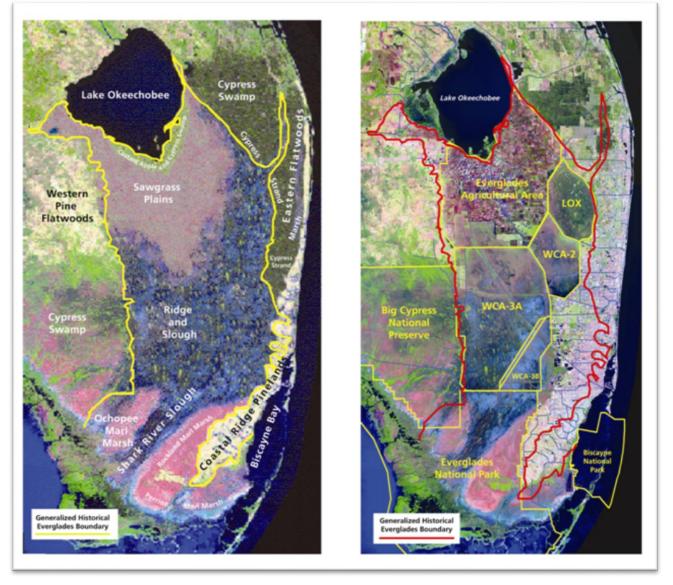
South Florida and DOI's National Parks



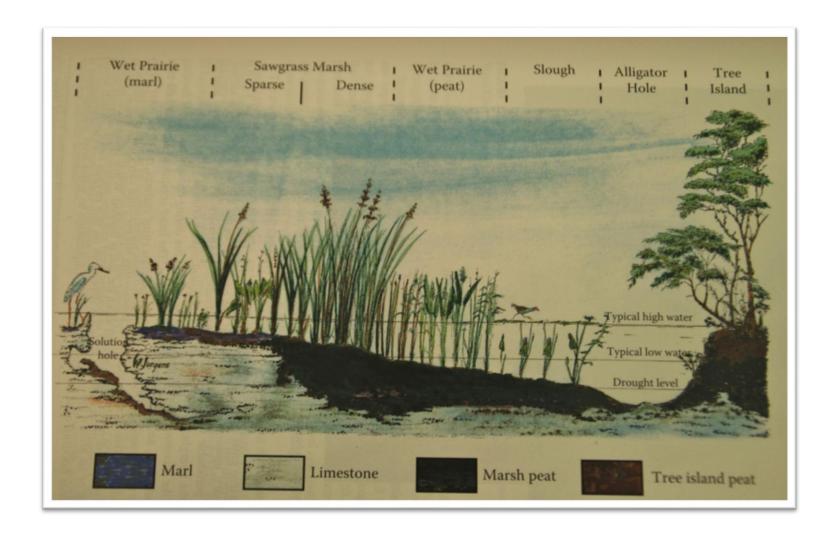
Greater Everglades

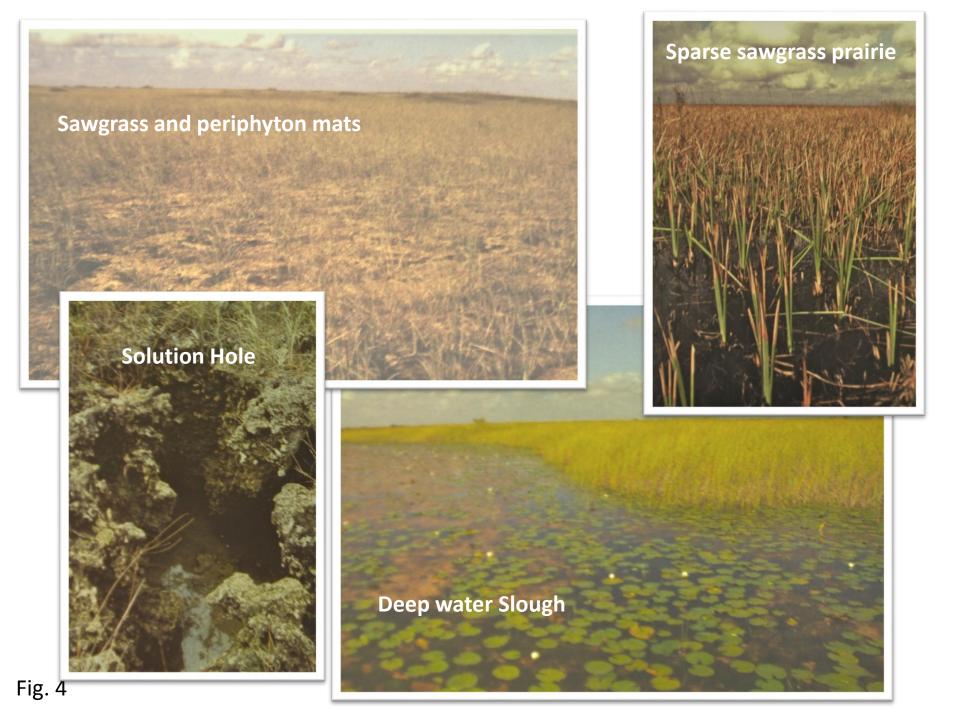
Pre-development

Present day



Freshwater Communities



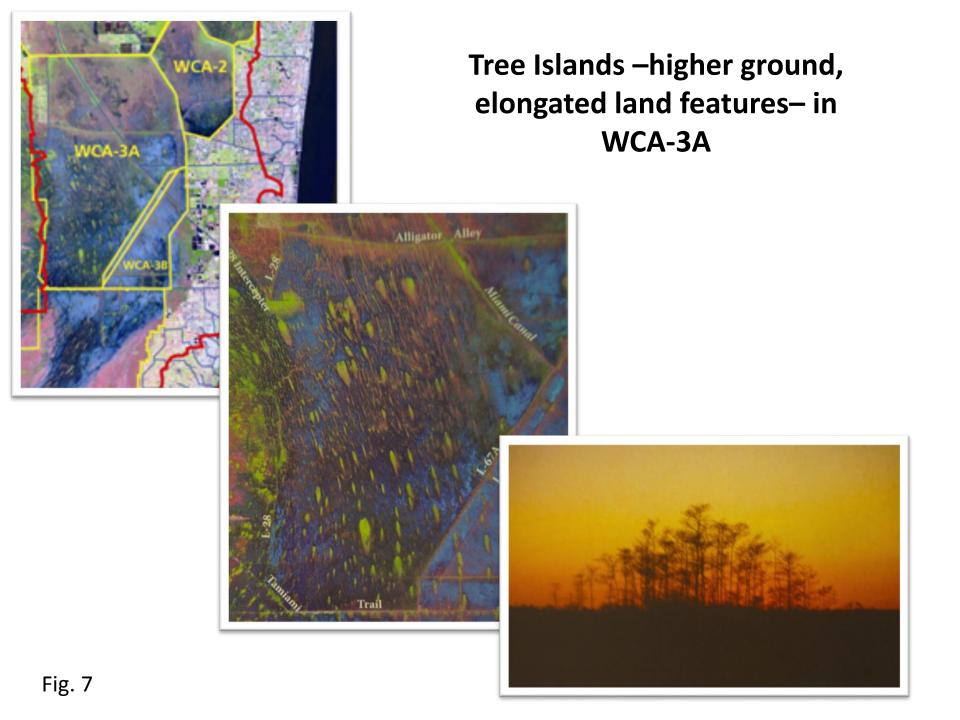




Periphyton is a complex assemblage of bacteria







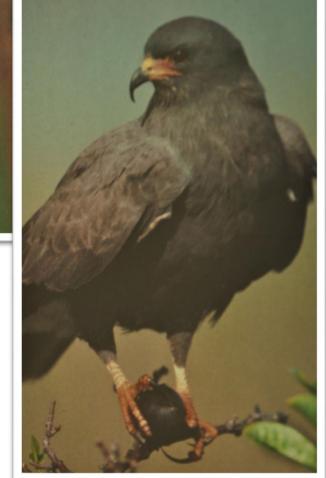


Natural fires help preserve wet prairie communities





Florida applesnail and Everglades snail Kite



Upper Chain of Lakes Loxaharthee Historic Flow

Historic, present, and proposed water flows

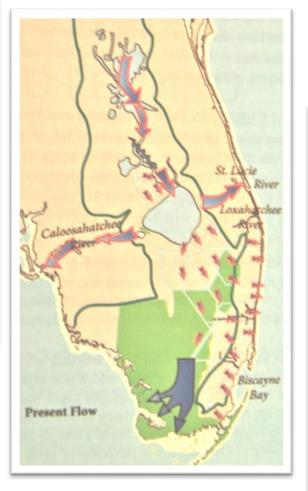




Fig 10





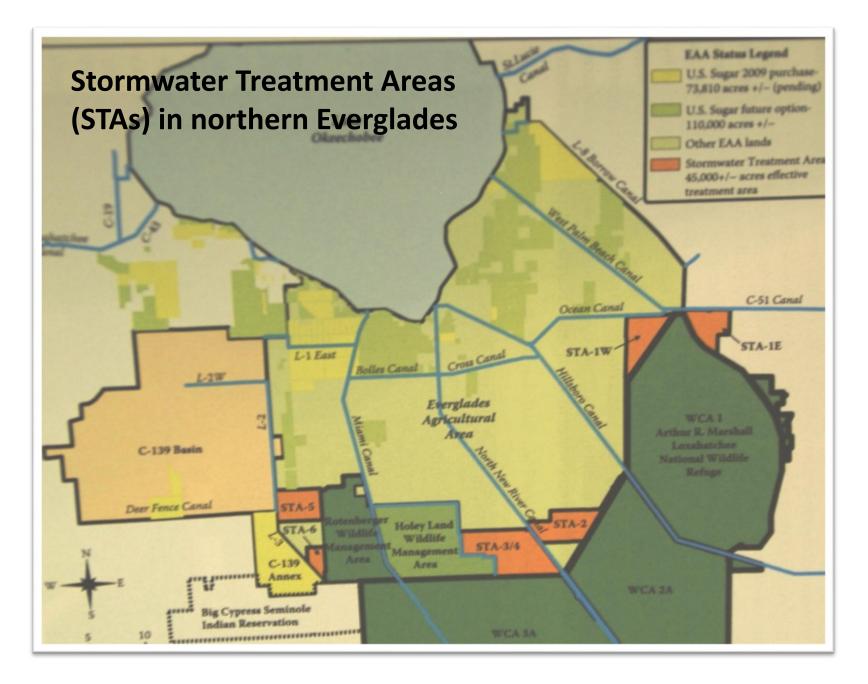


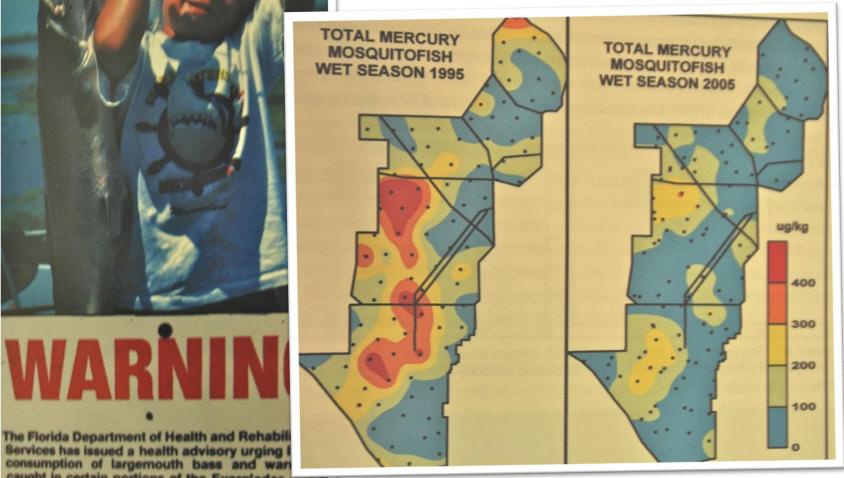
Fig. 12



Pumps, canals, and gates redirect natural flows in the Everglades



Mercury contamination of fish



consumption of largemouth bass and war caught in certain portions of the Everglades que to excessive accumulation of the element mercury.

Fig 14

Sulfate concentration and its north-to-south gradient

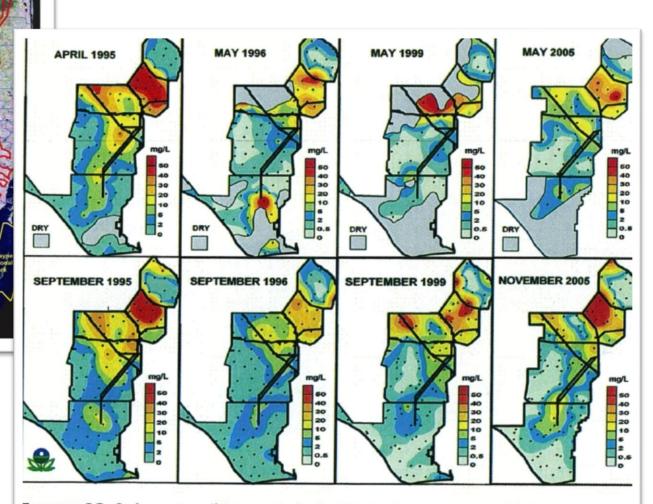


Fig 15

FIGURE 28. Surface water sulfate concentration (mg/L) in the Everglades marsh during the dry season top) and wet season (bottom) sampling events from 1995-2005.

Homestead Agricultural Area and C-111 Canal

