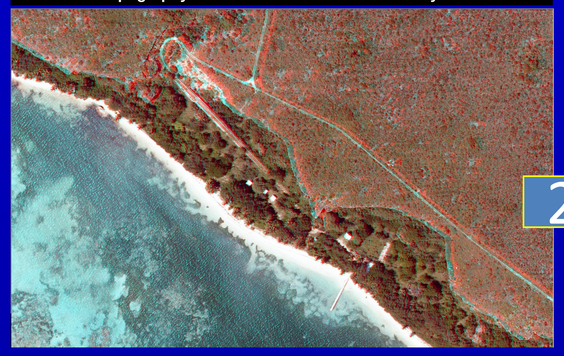
Pedestal Tree Island Degradation and Loss is Documented Using 3-D Imagery

Flight Direction ⟷ **Shark River Slough (SRS)** North ⟶

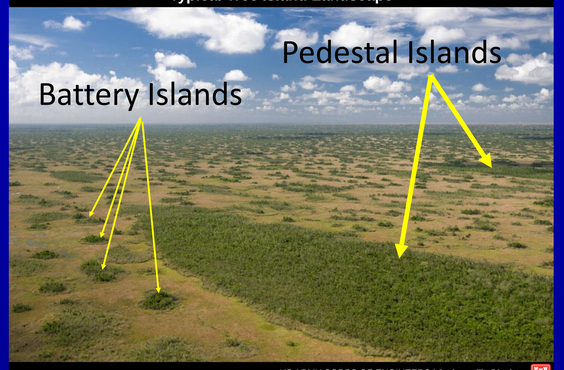
sfwmd.gov

1-Start Here to get your eyes "thinking" in 3-D

The topography of the California coastline is easy to see.



Typical Tree Island Landscape

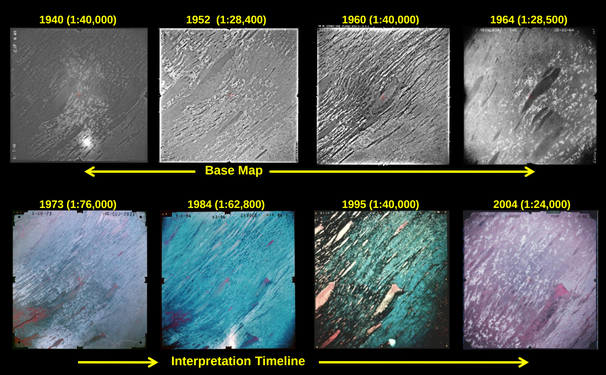


US ARMY CORPS OF ENGINEERS | Jacksonville District

The Data

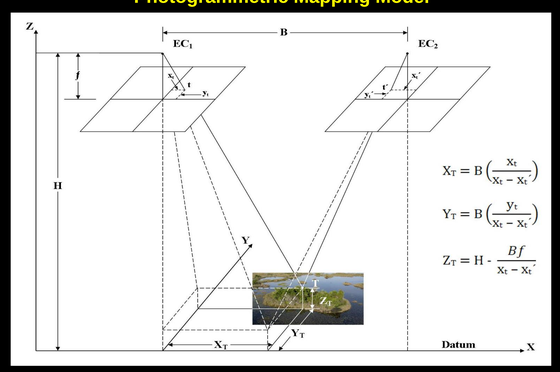
RECOVER Tree Island Mapping – Methods

Historic Aerial Photos of SRS



RECOVER Tree Island Mapping Project – Methods

Photogrammetric Mapping Model



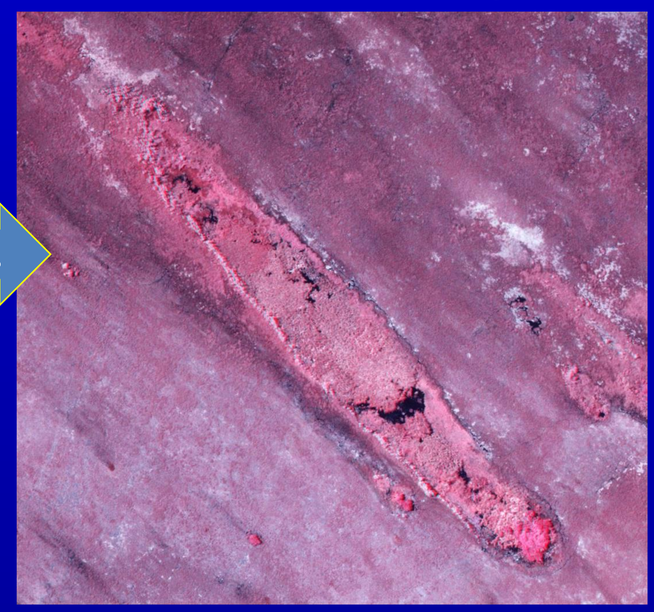
1973 – Can you see the trees?

2

1984 – Some trees are taller, others are gone

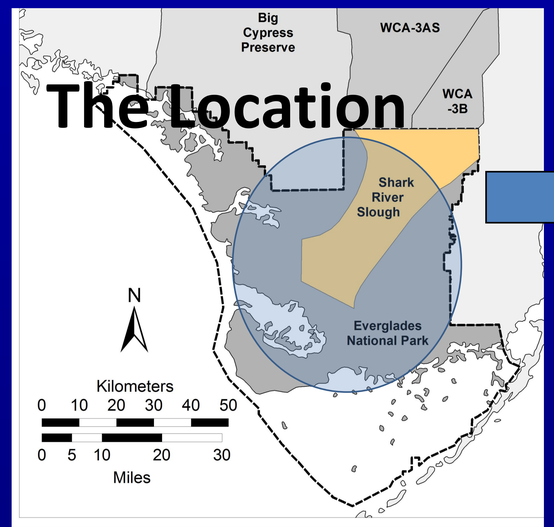
3

2004 – Almost all interior trees are gone

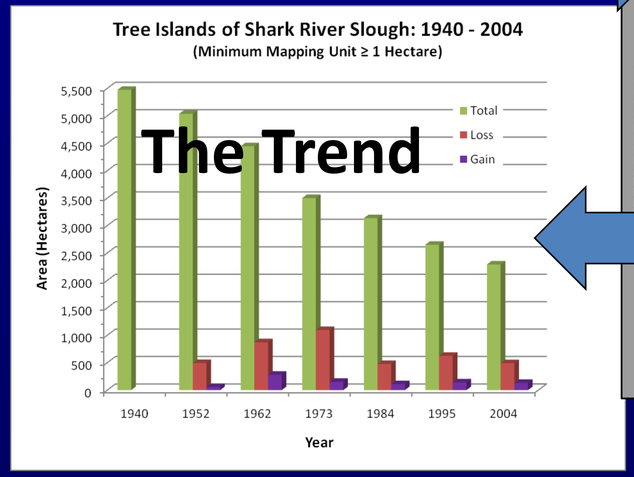


4

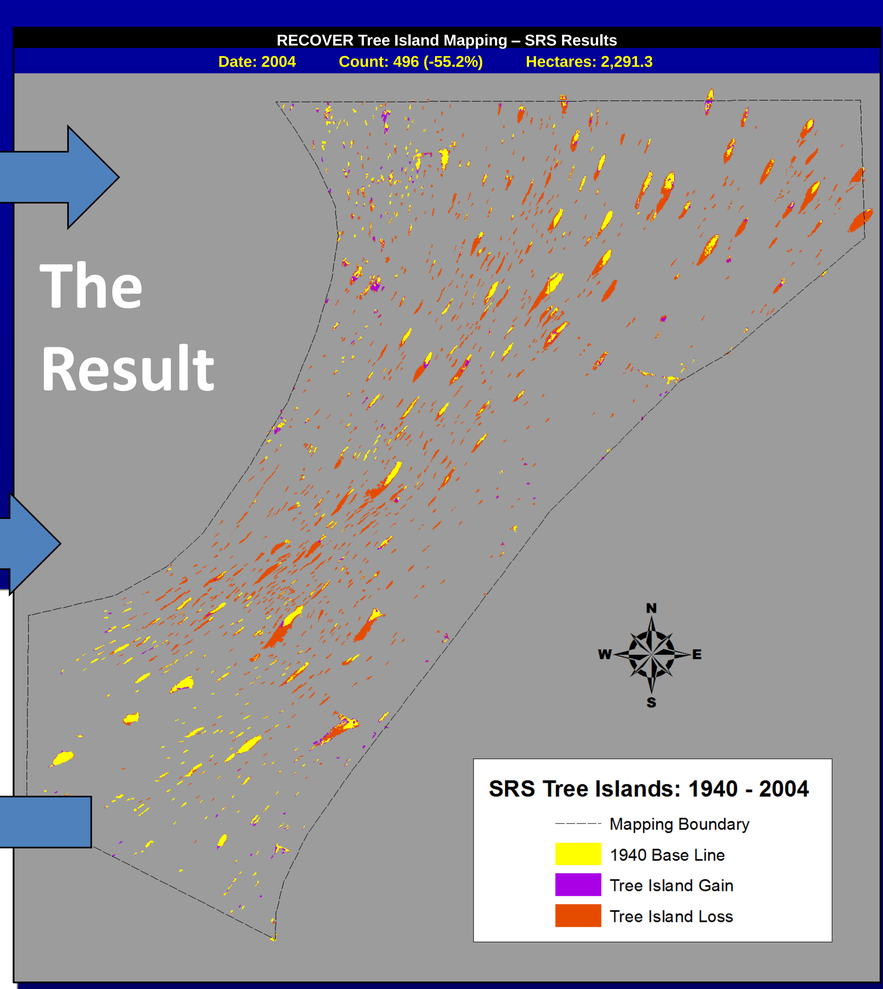
The Location



The Trend



The Result



This tree island poster is designed to show the 3-D process used to document the 55% loss of tree islands in Shark River Slough (SRS) in Everglades National Park since 1973.

This poster is also designed to show you exactly where in SRS the tree island loss has occurred.

This poster is NOT designed to explain why this has happened: One current hypothesis suggests that it is due to soil loss and a lack of water.

Fred Sklar (ESA), Ted Schall (USACOE), Sue Hohner (IT-GMS) and Carlos Coronado (ESA)