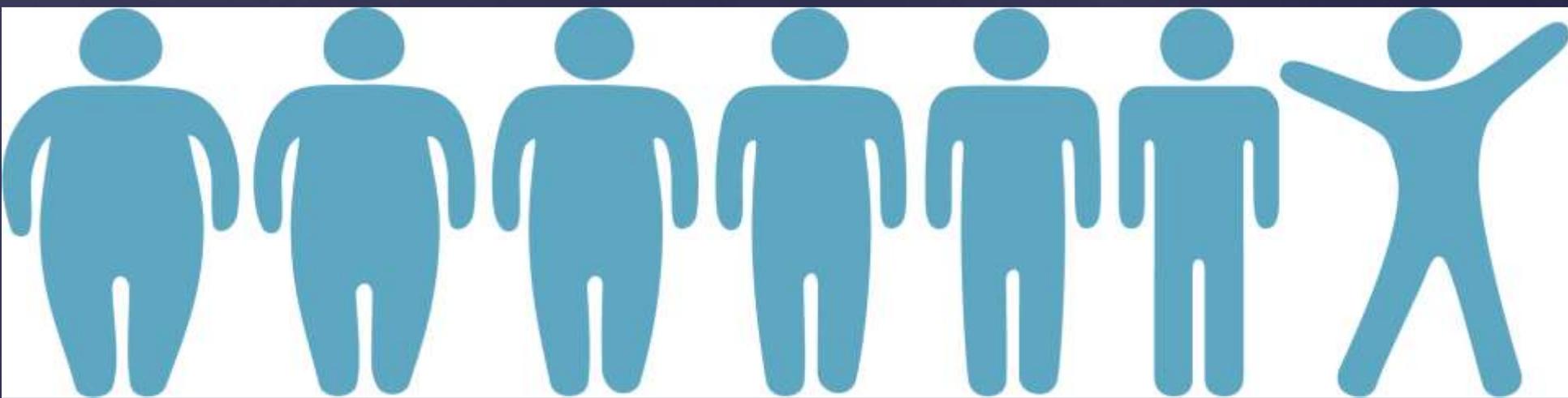


Keeping it Real:

A Case for Revisiting Restoration Goals

Stephanie Johnson

National Academies of Sciences, Engineering,
and Medicine





Clear, achievable







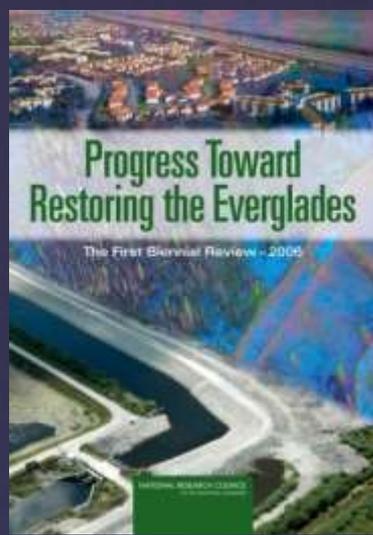
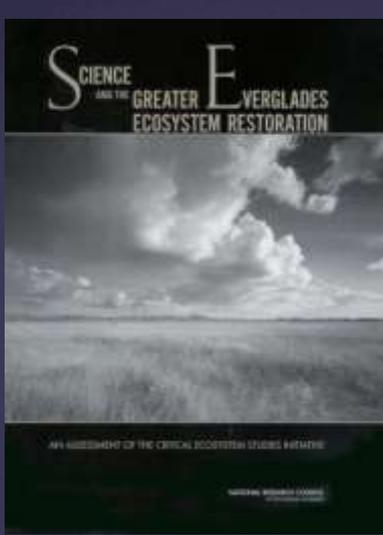
Pre-drainage Flow



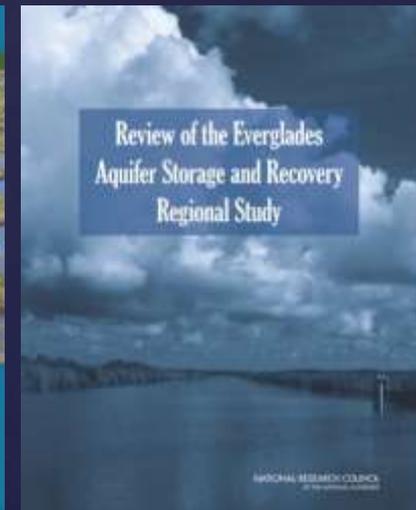
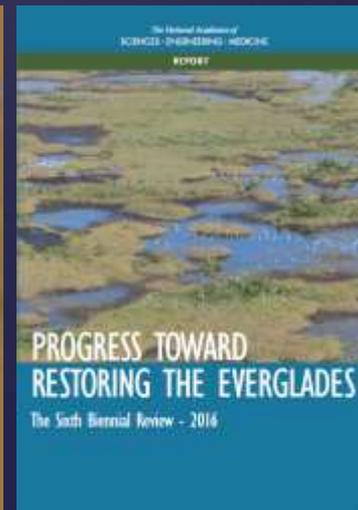
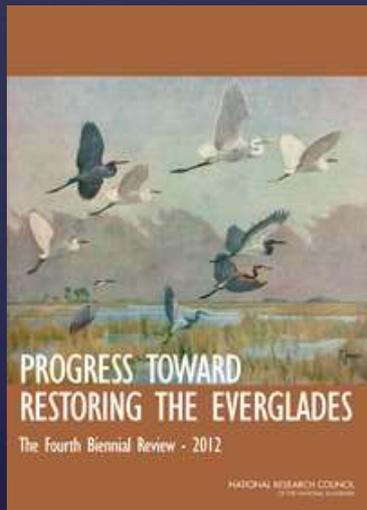
Current Flow



Restored Flow



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

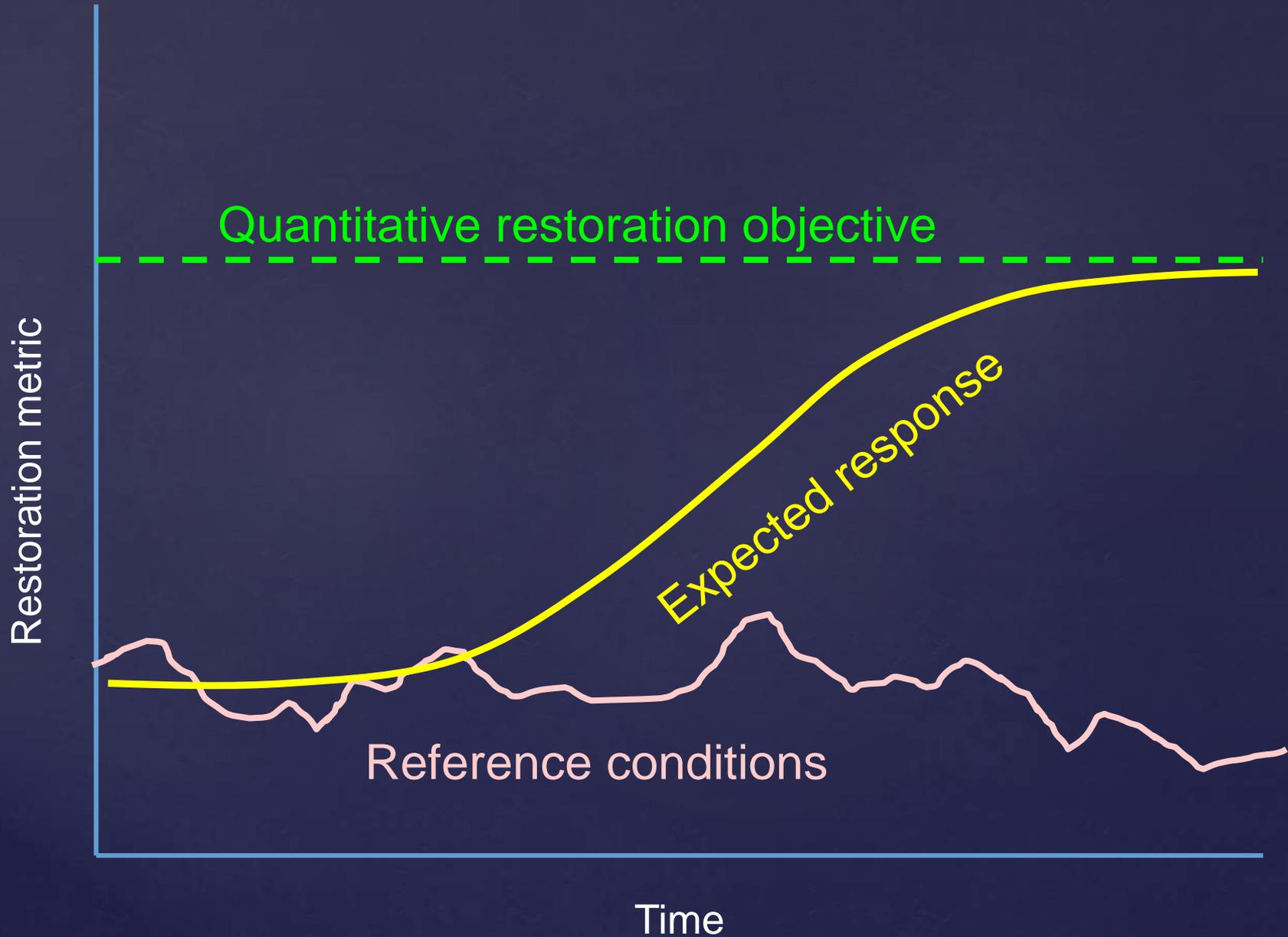






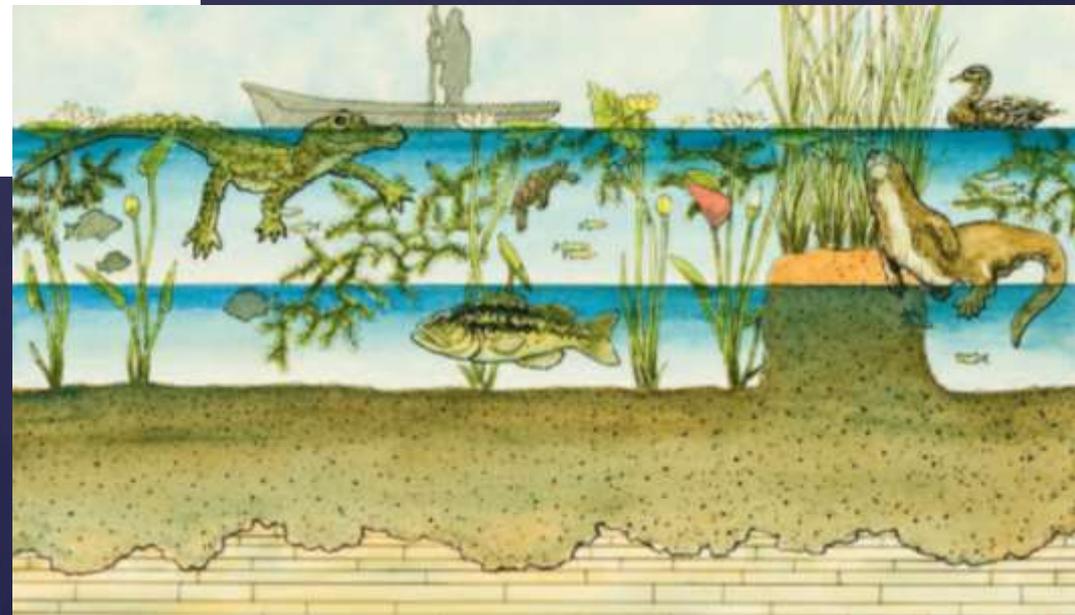
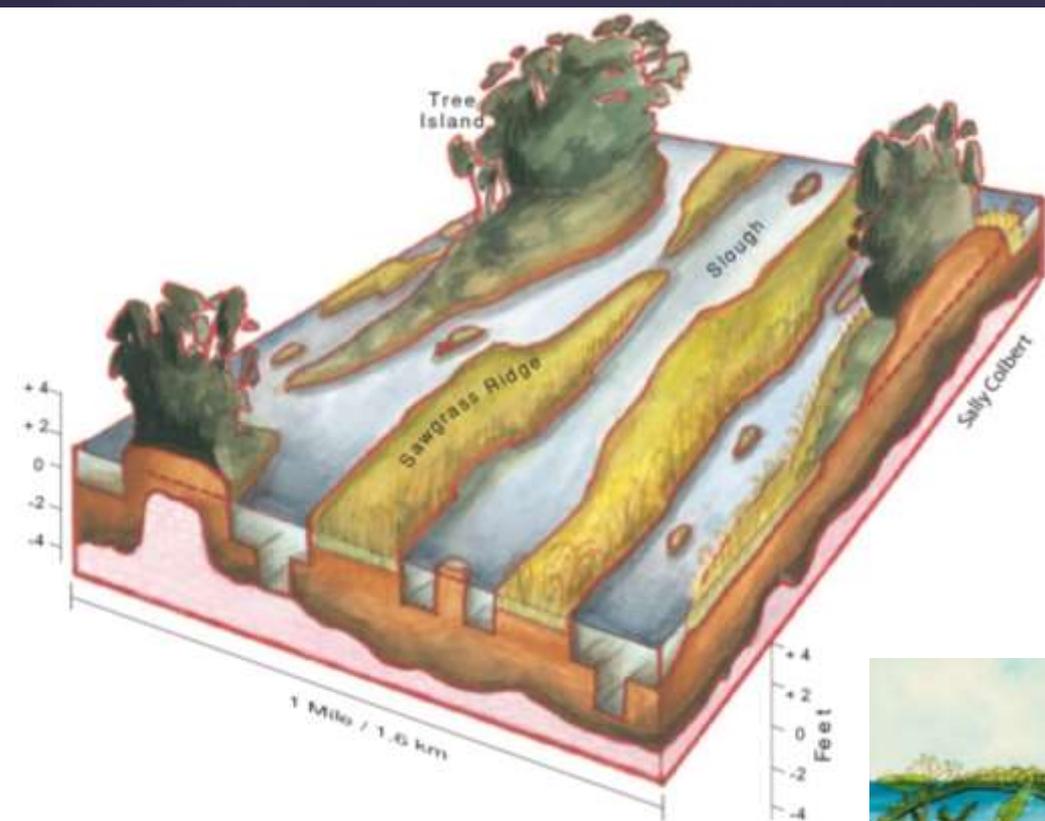


Restoration: “achieving and sustaining the essential hydrological and biological characteristics that defined the undisturbed South Florida ecosystem”

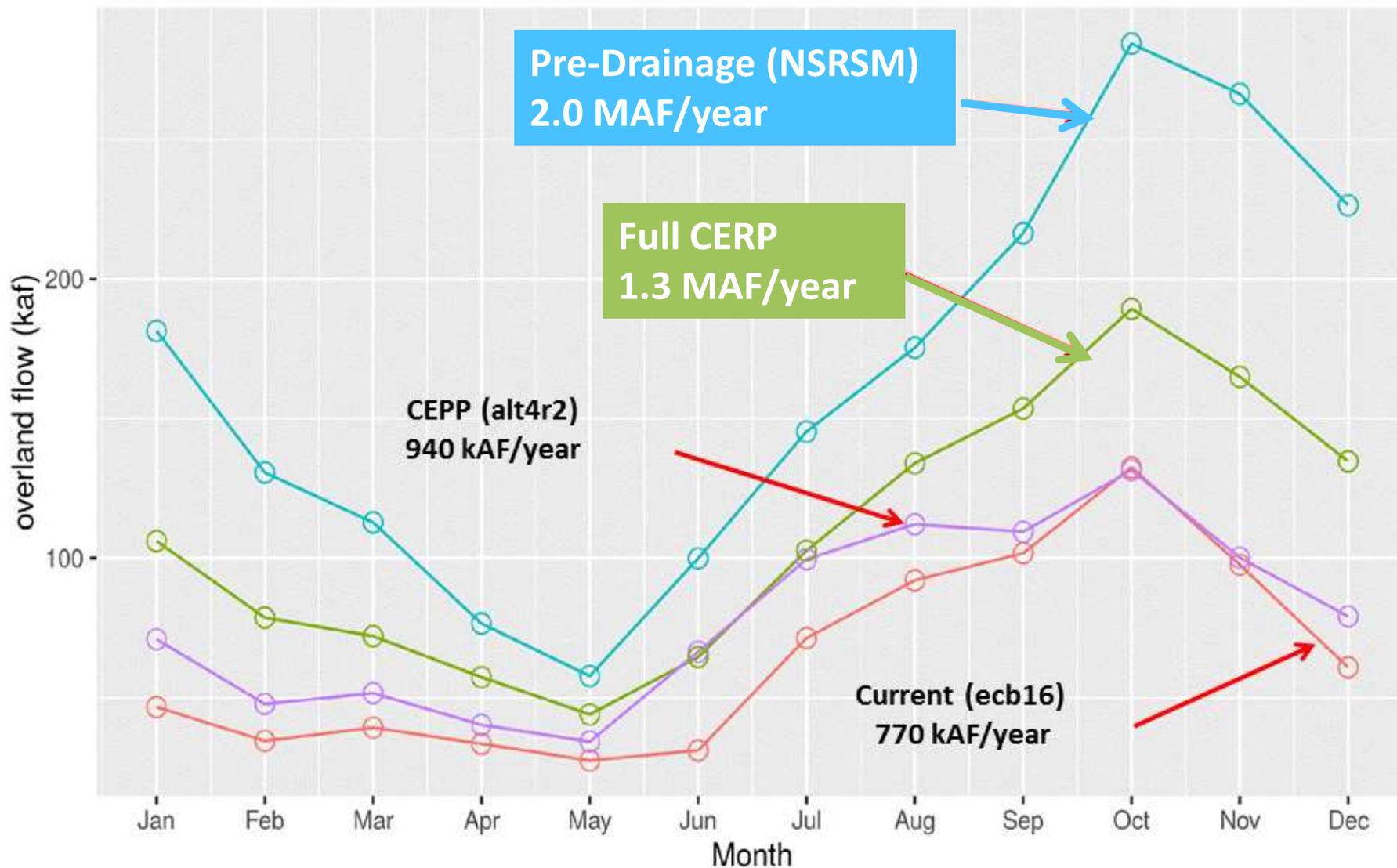




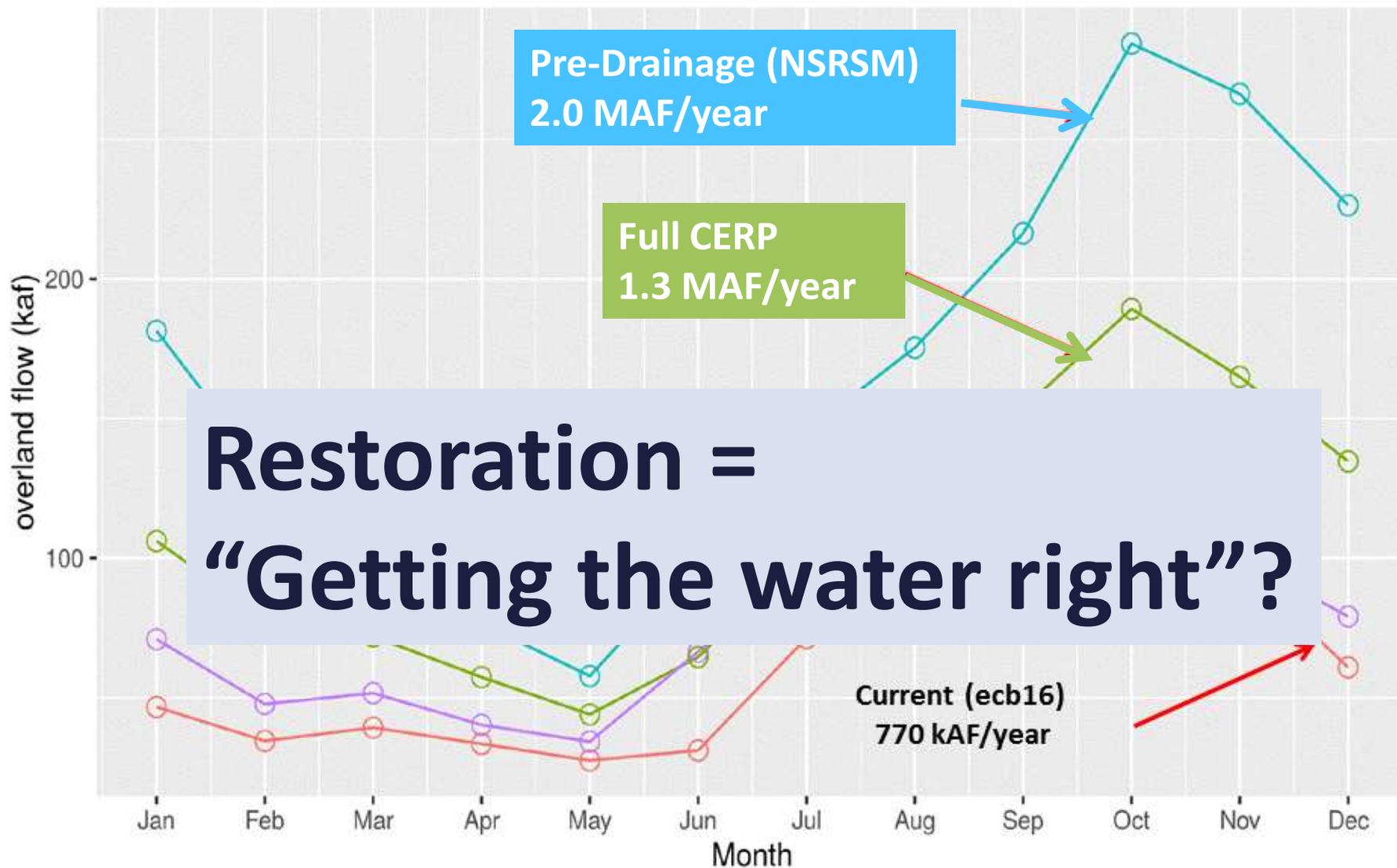
analysis
tools
Modeling
model system
physical
hydrologic
engineering
ecological
climate
update
Data
research
monitoring
science



Shark River Slough Average Annual Flows



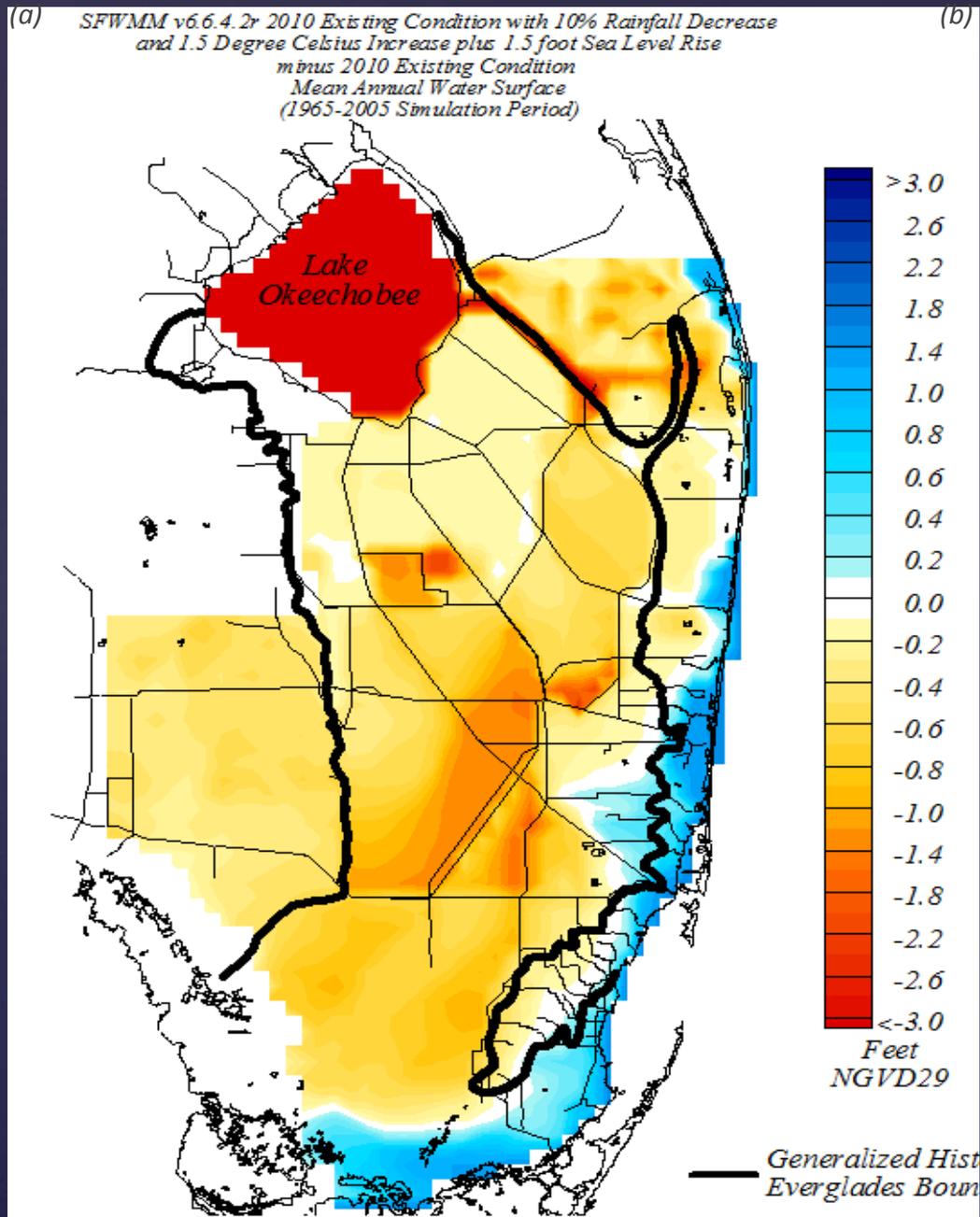
Shark River Slough Average Annual Flows

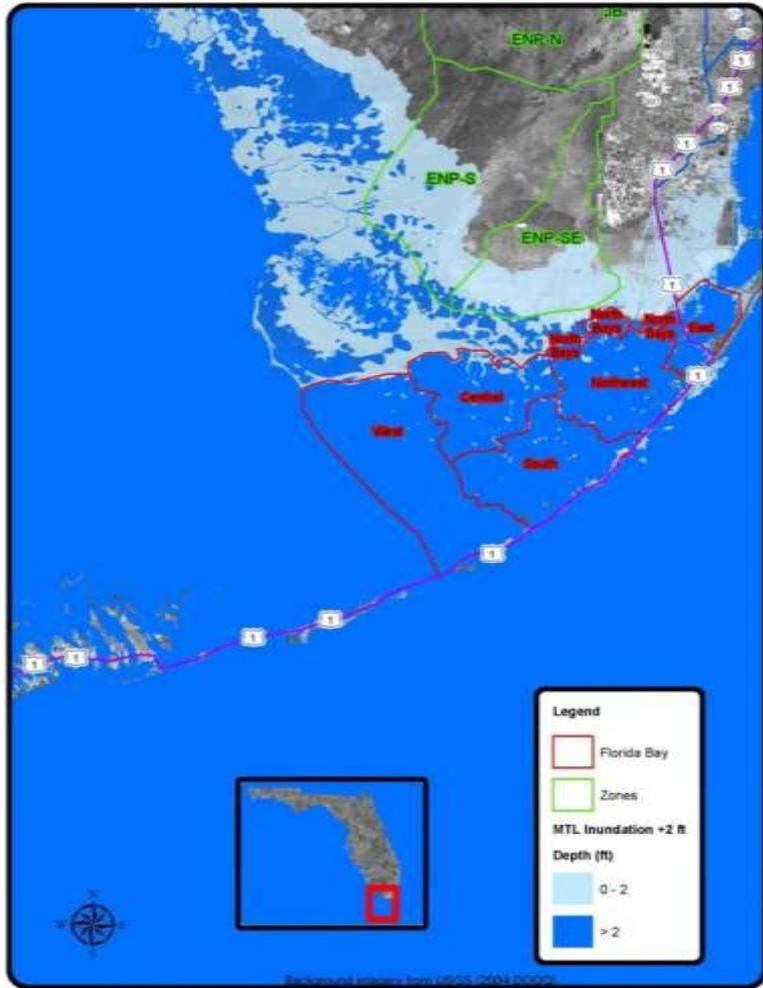




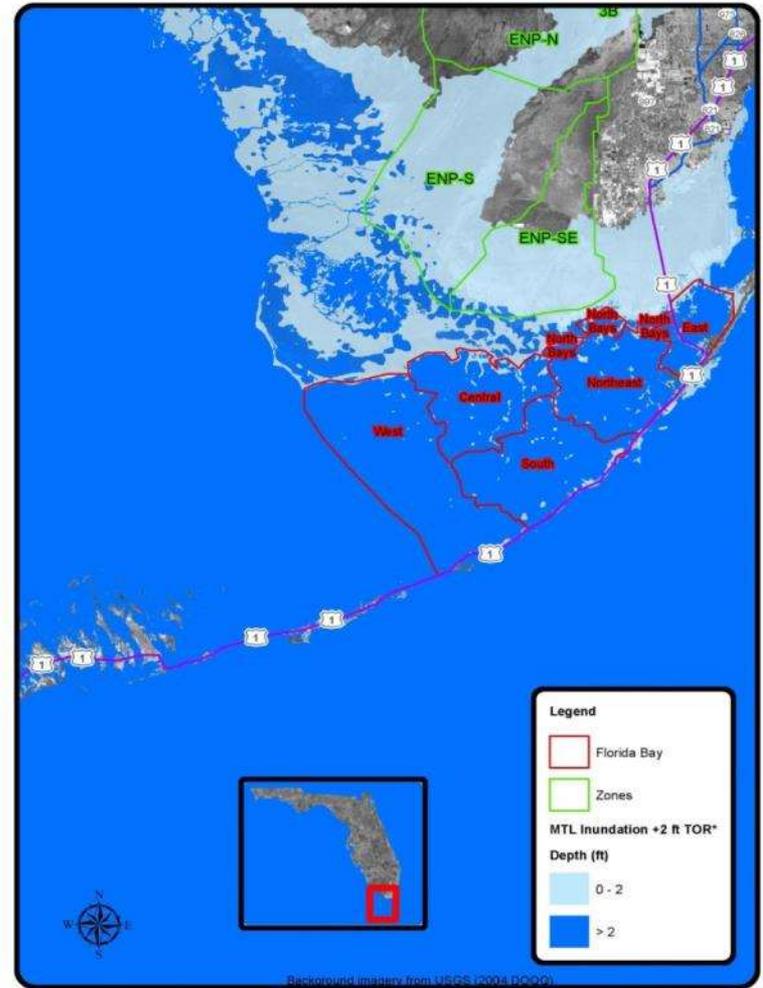


10/16/16 Nuisance Flooding
Ft Lauderdale, FL





2 Ft Sea Level Rise



2 Ft Sea Level Rise
with peat collapse



Sandee Harraaen

Goals?

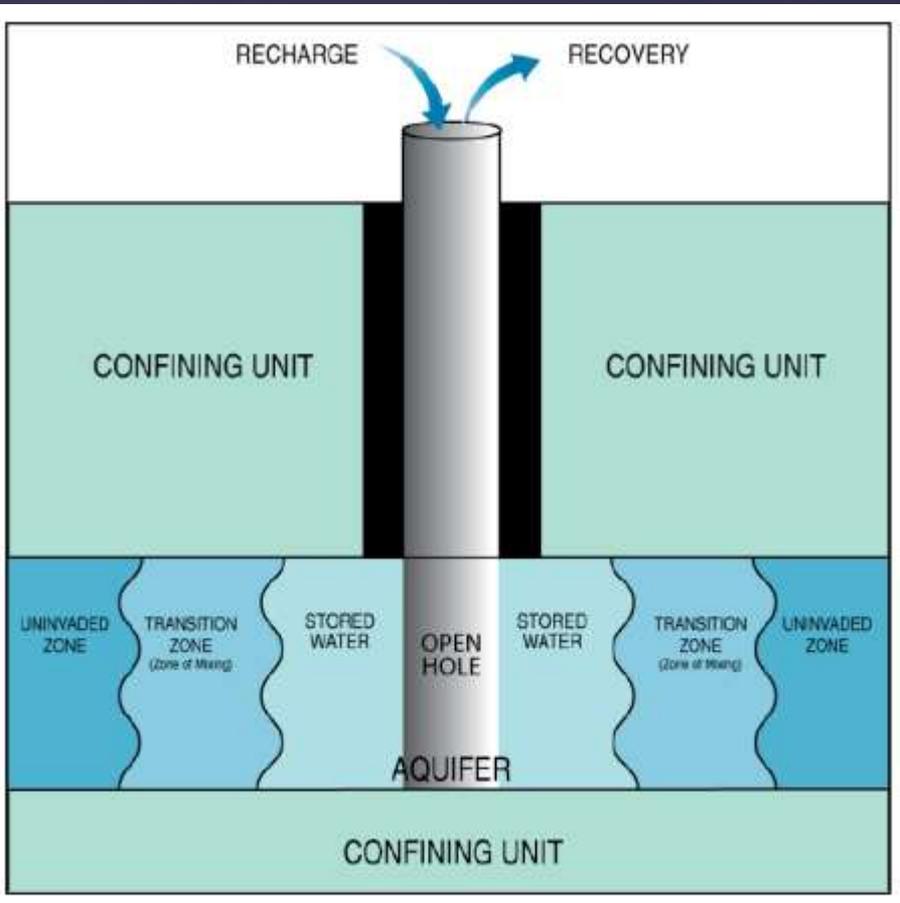
Success?

Evolve

Resilience

Future?

Past?

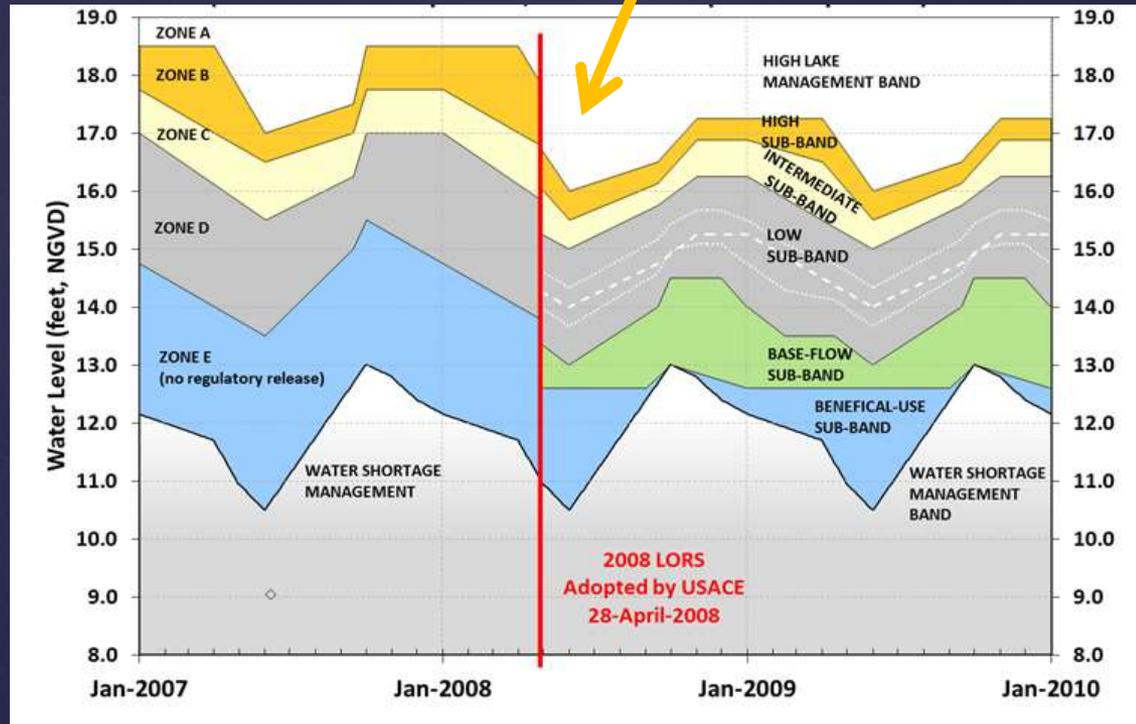
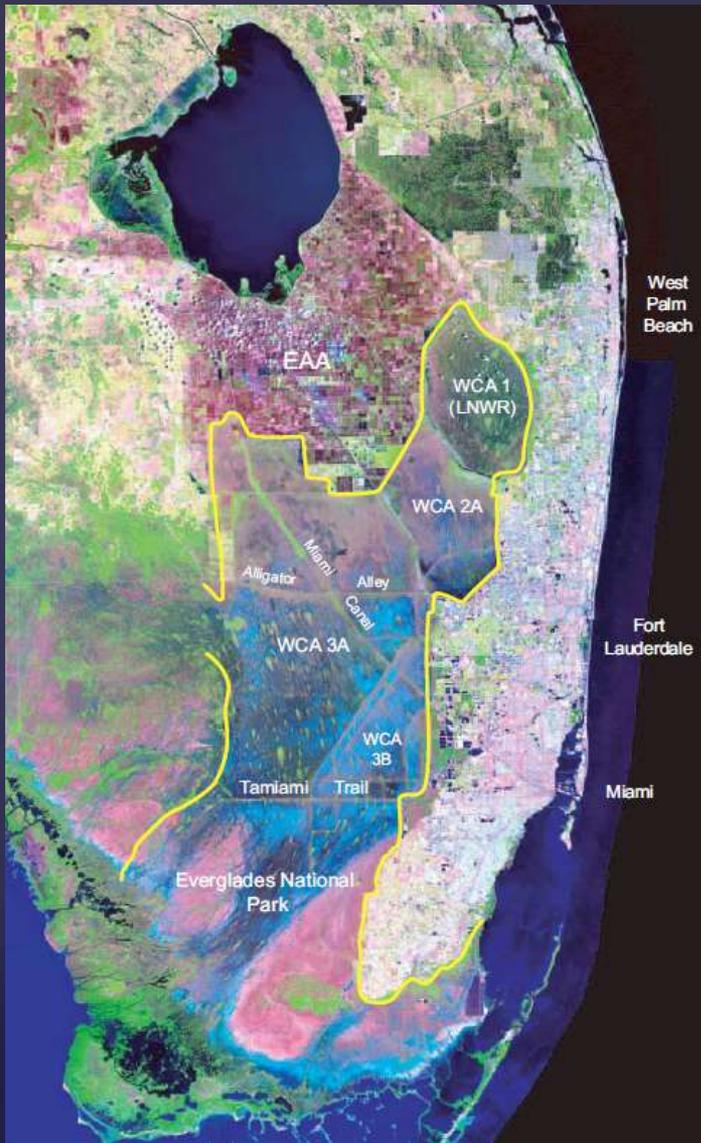


Aquifer Storage and Recovery

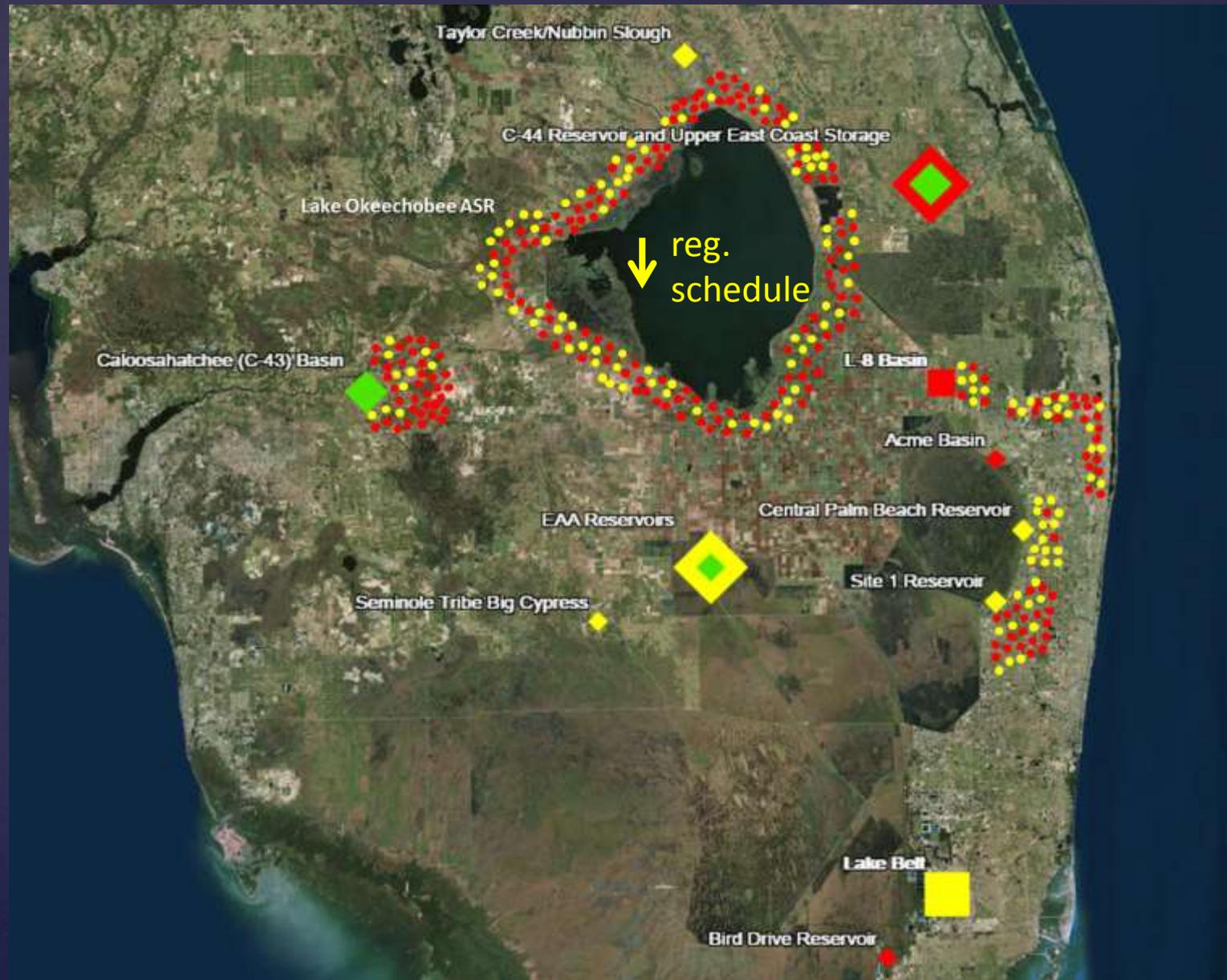


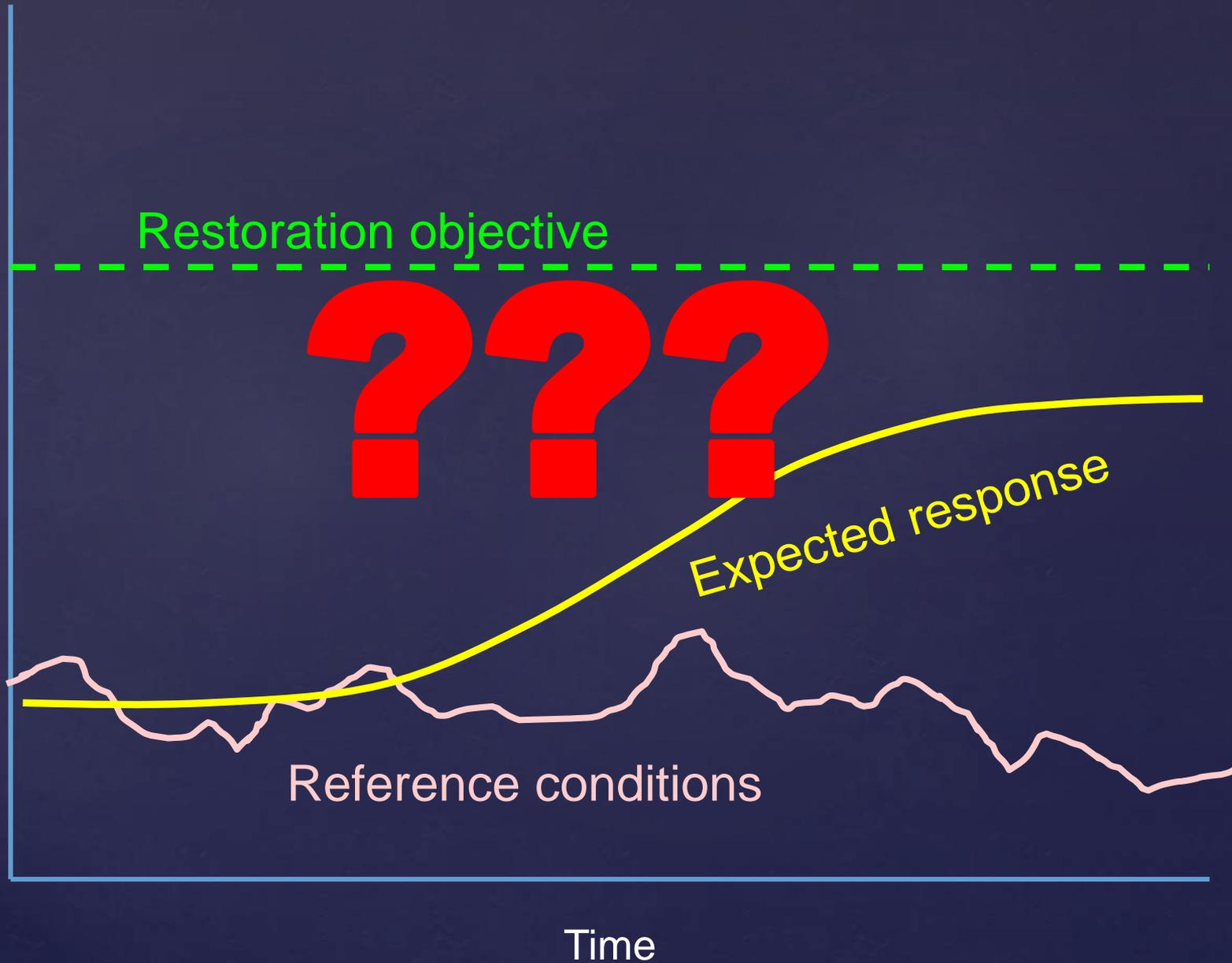
Lake Belt

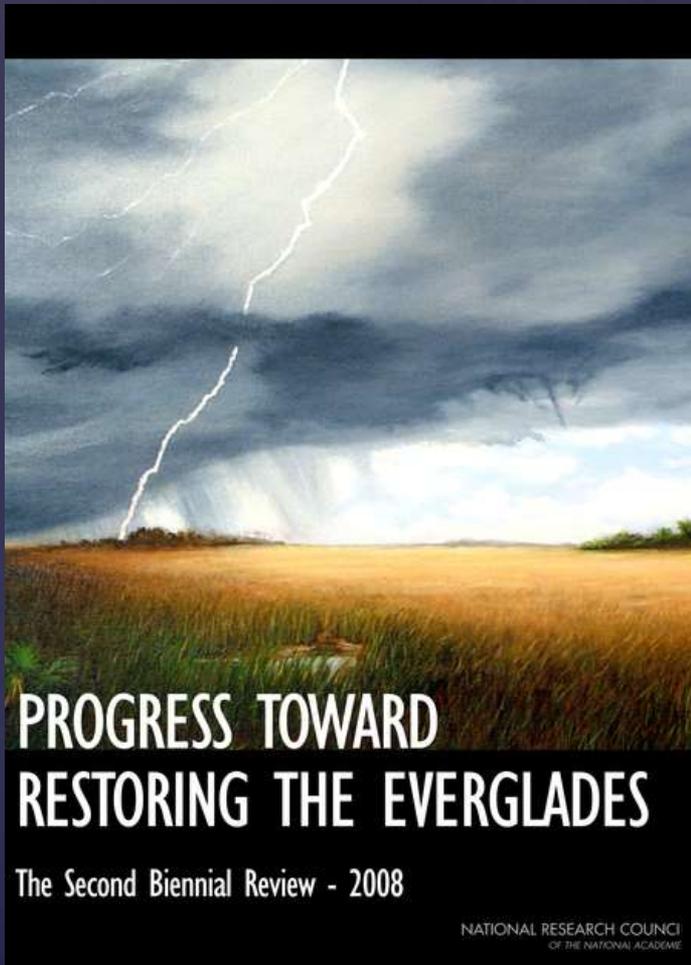
Lake Okeechobee Regulation Schedule lowered in 2008



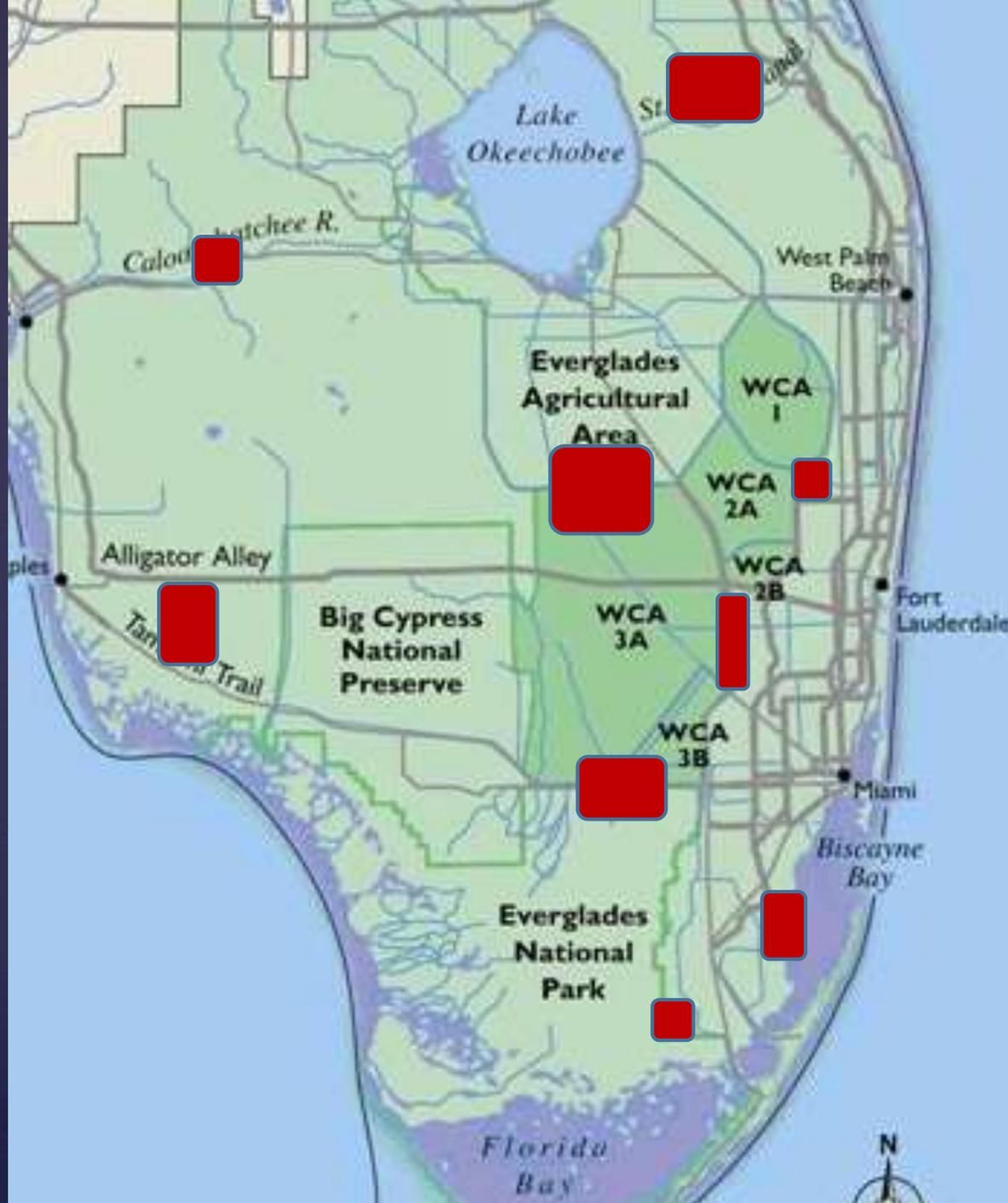
Status of original CERP storage features







“To do nothing is to do harm.”



8 major
CERP
projects
authorized
(\$12 billion)



