Endangered Species Act's Implementation Challenges to Large Scale Ecosystem Restoration Programs

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Endangered Species Act (ESA)

- **Purpose**: Protect and recover imperiled species and the ecosystems upon which they depend
- Protection: Prohibit the <u>take</u> of listed animals, except under federal permit (e.g., for conservation and scientific purposes)
- Take: To harass, <u>harm</u>, pursue, hunt, shoot, wound, kill, trap, capture, or collect or attempt to engage in any such conduct
- Harm: Act which actually kills or injures wildlife (e.g., significant habitat modification or degradation that kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering)
- **Critical Habitat**: Federal actions must avoid <u>destruction</u> or <u>adverse</u> <u>modification</u> of designated critical habitat areas that contain the physical or biological features essential to the conservation of the species

Federal Agency Cooperation - Sec. 7

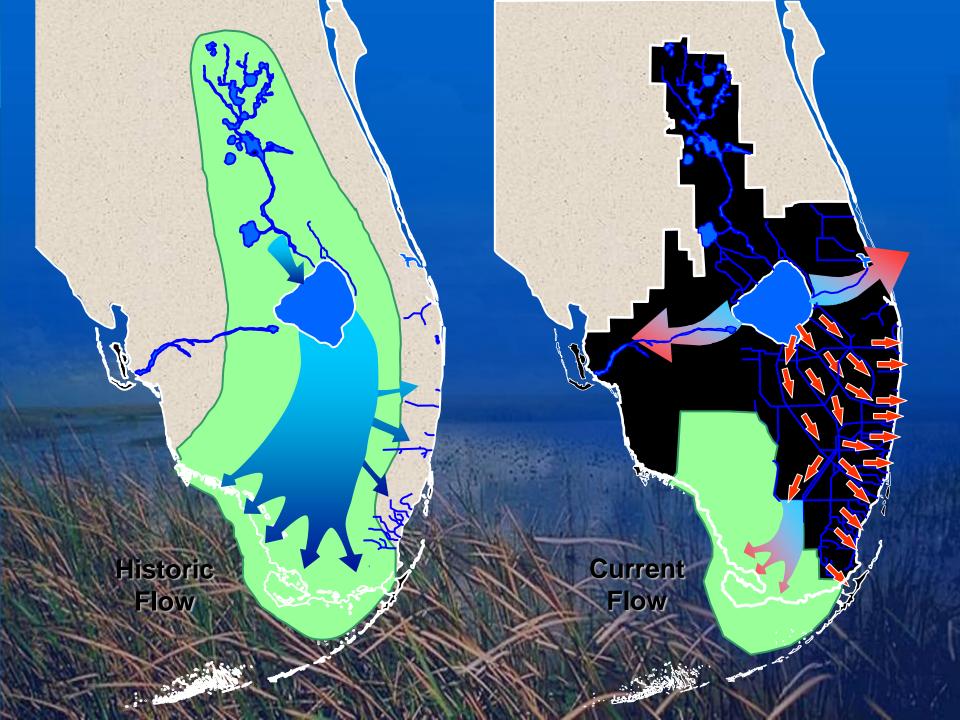
- Requires federal agencies to promote conservation purposes of ESA and to consult with FWS and NMFS to ensure <u>actions</u> they authorize, fund, or carry out are not likely to <u>jeopardize</u> the continued existence of listed species.
- Action agency receives a <u>biological opinion</u> addressing the proposed action. If FWS or NMFS makes a <u>jeopardy determination</u>, the agency offers <u>reasonable</u> and <u>prudent alternatives</u> about how the proposed action could be modified to avoid jeopardy.

Penalties and Enforcement – Sec. 11

- **Civil penalties** of <u>\$12,000 \$25,000</u> for <u>knowing</u> violation and \$ 500 for any other violation
- Criminal penalties of <u>\$25,000 \$50,000</u> and up to a year in <u>prison</u>

Jeopardy Opinion - Cape Sable Seaside Sparrow ISOP, IOP and CSOP

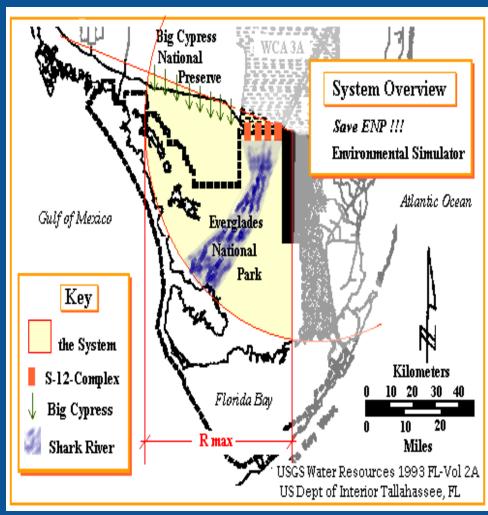




The Everglades today is dependent on engineered structures to deliver water. The water is moved through canals using spillways and pump stations.

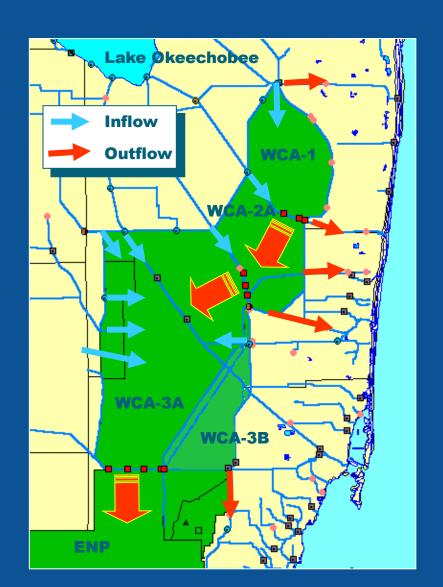






Water Conservation Areas Flow Patterns

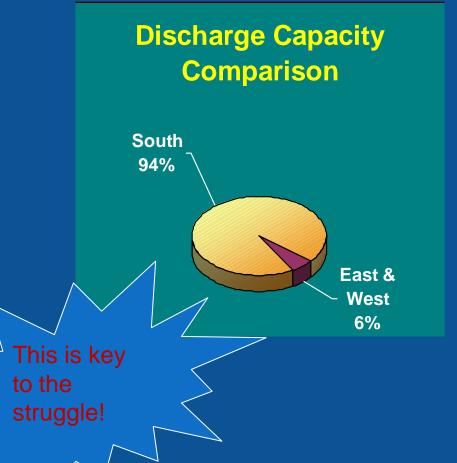
- Major structures
 within the WCAs
 discharge south
 toward Everglades
 National Park
- Smaller structures discharge east, primarily for water supply purposes



Water Conservation Area Design Discharge Capacities

 Almost all of the discharge capacity of the Water
 Conservation Areas is directed south

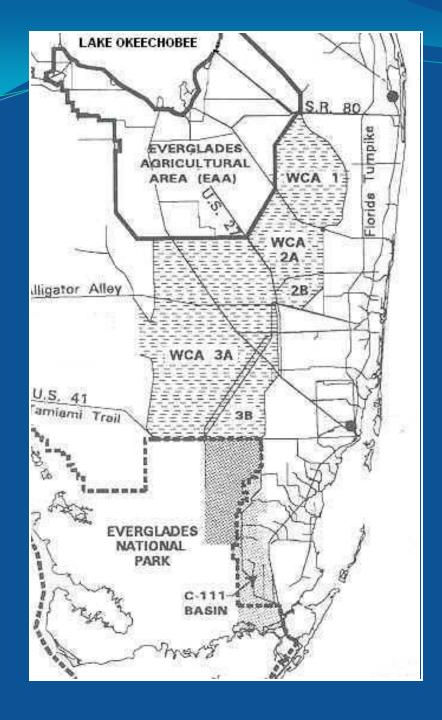
 Only small amounts of WCA regulatory discharge can be directed to tide



"If the adults remaining in the western subpopulation do not breed sucessfully during the next breeding season, the subpopulation is likely to become extinct. The loss of this western subpopulation, in turn, would make the extinction of the entire species almost certain"

from a 12/24/97 letter cosigned by Superintendent, ENP and State Supervisor, FWS



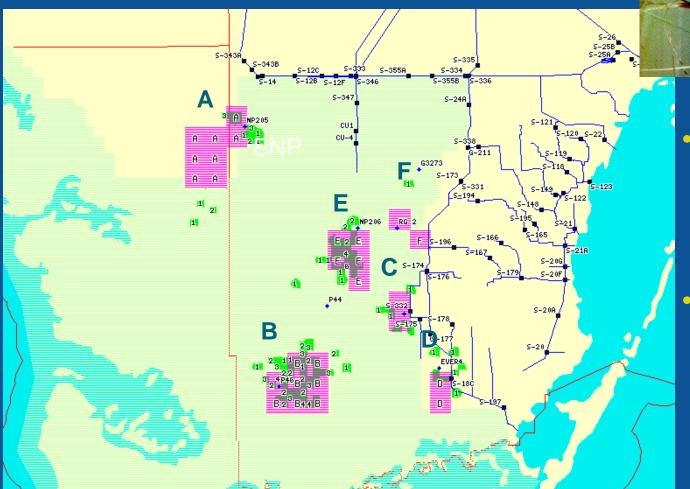


FWS
Reconsultation
Biological Opinion

USFWS

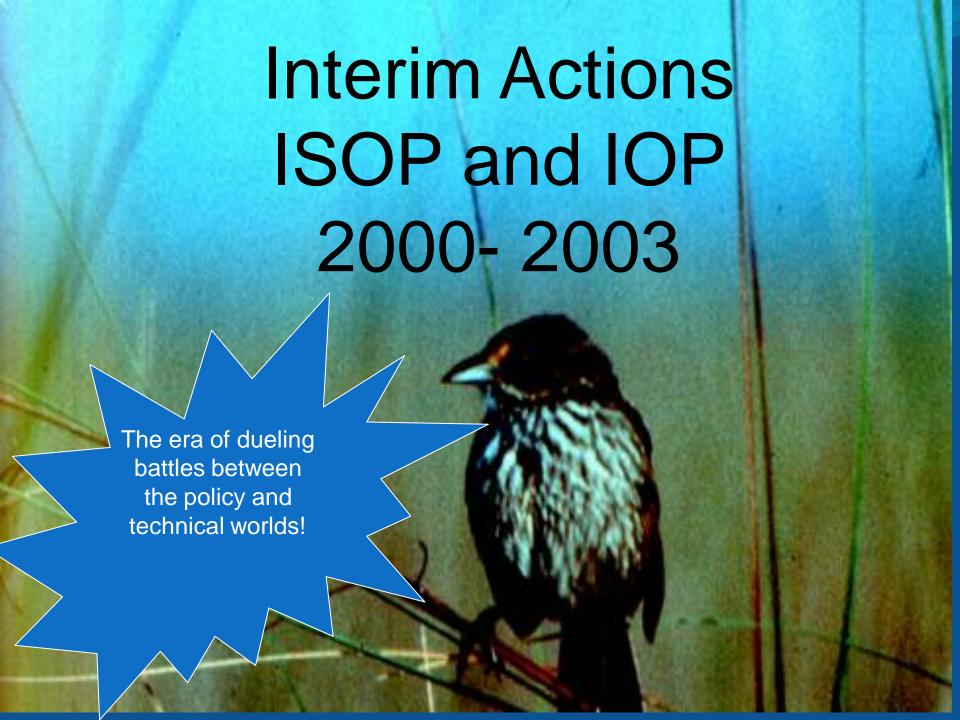
Biological Opinion of 1999 on Cape Sable Seaside Sparrow



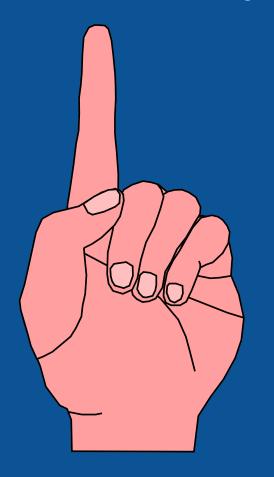


Jeopardy on
Experimental
Program
(Test 7 operations)

No Jeopardy on Modified Water Deliveries to ENP or C111 Project



9 Integral Components of RPA Phased In Approach



"Implementation of less than all of these points will not constitute compliance with the RPA."

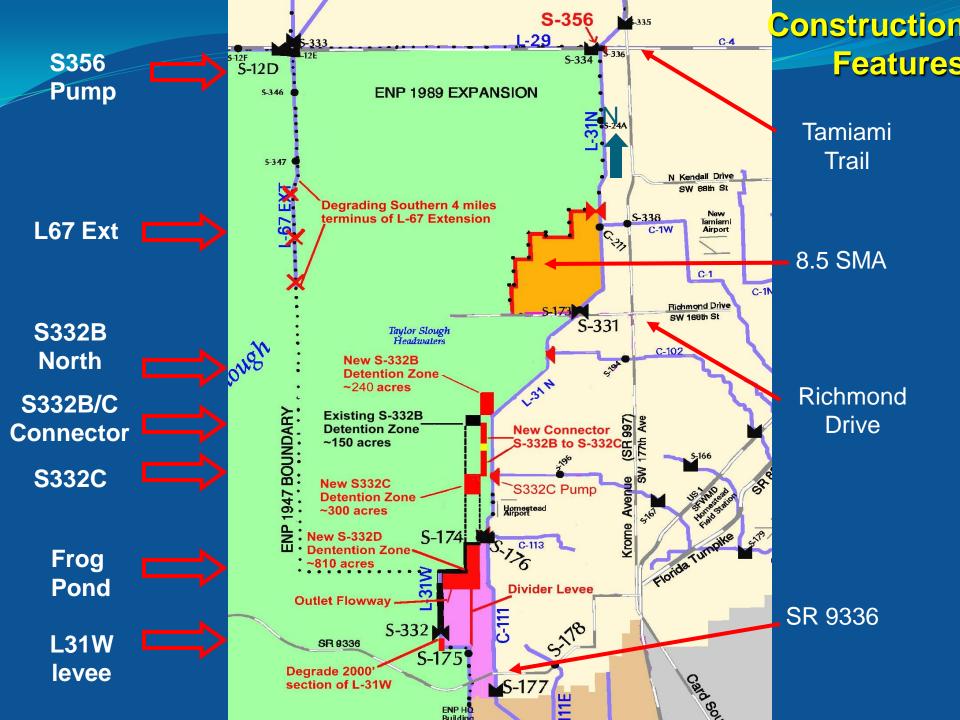
COL GOES TO JAIL!

Ultimate RPA - MWD By 2003

Will funding be available?

 Funding contingent upon Congress, OMB, DOI and NPS







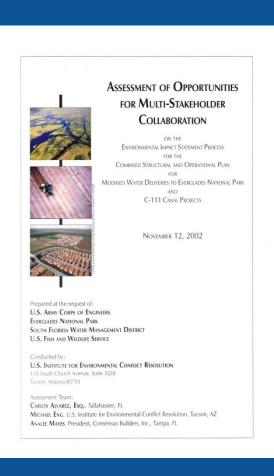
Combined Structural and Operational Plan (CSOP)

Being developed for operations with MWD and C-111 in place

Facilitated Collaborative Process - IECR

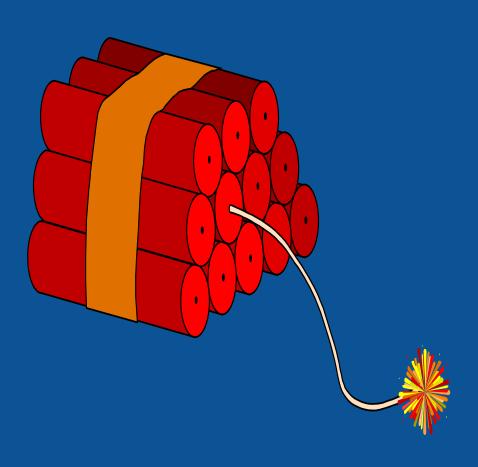
Oh, and don't forget the implications on CERP – WRDA 2000 – It is "required" that MWD be completed before certain components of CERP can be implemented.

The Collaborative World of CSOP



- USACE, NPS (ENP), USFWS and SFWMD
- Contribute equal shares of funding
- Interagency retreat
- CSOP stakeholder assessment and multi-stakeholder involvement process
- MOU Protocols and Ground Rules
 - Roles and Responsibilities
 - Protocols for Sharing Info
 - Behavioral Guidelines
 - Joint Fact Finding
 - Open Meetings and Public Records
 - Stakeholder and Public Participation Plans
 - Interactions with the Media
 - Withdrawal Process

Challenging Times!



- ESA VS. PrivateProperty Rights
- Other Endangered Species Impacts (Panther, Woodstork, Snail Kite)??
- Interim Operations that Satisfies All Parties?? CEQ IECR
- Flood Control Requirements Still Being Met??
- Lawsuits, lawsuits, lawsuits!



CEQ directed "marriage counseling" era
Closed door negotiations – Litigation
Policy – Technical Team - Ping Pong
Stakeholders Feedback – Transparent Process and Negotiations
CSOP Stakeholder Engagement thru South Florida ER Task Force
Exhausted but Came to Consensus!
USFWS – Still had CSSS issue and Tamiami Trail funding issue

Public is tired of repeating the same issues

Must understand the history behind your projects!

Be proactive and knowledgeable

History has many lessons to be learned and NOT REPEATED!

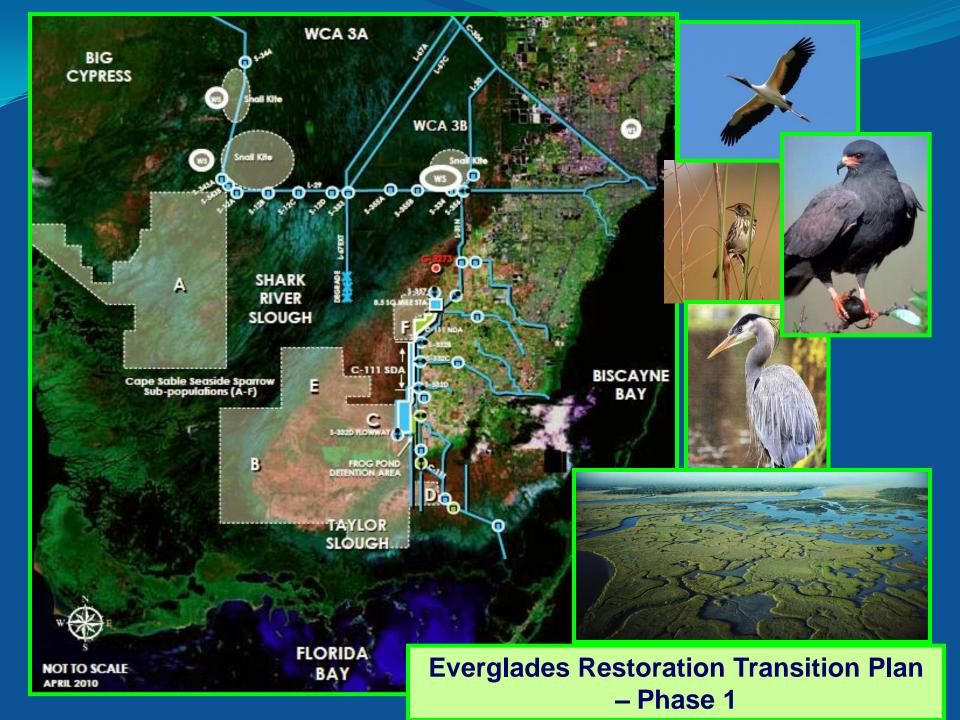


Power - Who Controls The Water

Limited Resource - Competing interests - Need Honest Broker

Balance Between Ag/Urban, Tribes, Everglades Natural Resources, Water Supply, Water Quality and Flood Control





Everglades Restoration Transition Plan Phase 1 Objectives

- To improve conditions for the Everglade Snail Kite, Wood Stork and other wading birds and their habitats in WCA-3A
- To maintain nesting season requirements for the Cape Sable Seaside Sparrow
- To maintain other C&SF project purposes

Everglades Restoration Transition Plan Phase 1 Paradigm Shift

- USFWS developed a Multi-Species Transition Strategy for WCA-3A
- ERTP Includes Consideration of New Information
 - Current climate conditions
 - Project specific performance measures
 - Observed species data (1998-2009)
 - Periodic Scientist Calls
 - WCA-3A Spreadsheet Analysis

Current Status of ERTP

Draft EIS released – June 2011

Comment Period Closed

Concerns raised by State of FL thru
 Clearinghouse Process

The Rest is Yet to Come????

