

# LOXAHATCHEE RIVER WATERSHED RESTORATION PROJECT

Project Delivery Team Meeting

April 26, 2017

*Federally designated as a National Wild and Scenic River, the Loxahatchee River and its watershed are homes to 33 federally threatened and endangered species, 20 federally protected migratory bird species, and 30 additional State's species of concern*

*Trusted Partners Delivering Value  
Today for a Better Tomorrow*



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US Army Corps  
of Engineers

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One of the Last Old Growth Cypress  
Floodplains in the SE Florida

Last Large Freshwater Wetland  
Corridor in Project Area

Vulnerable estuarine habitats



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# The “Pieces of the Puzzle” and Process Toward TSP Selection

Dr Brad Foster



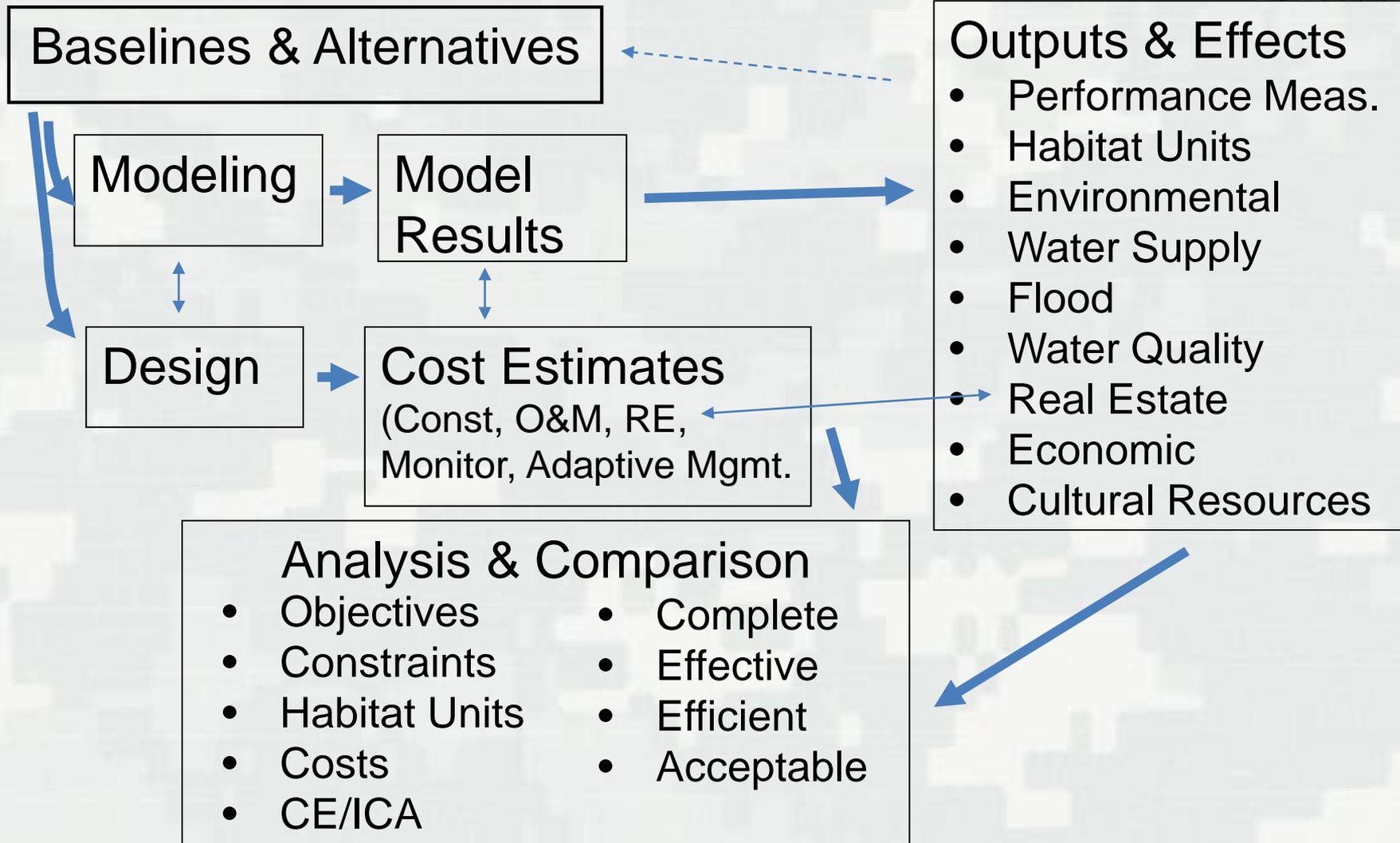


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# Steps to Tentatively Selected Plan



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# Who Does What?



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- Much of the quantification of Outputs and Effects will be done by subteams
- Now referring to Evaluation Teams. ECO and EN subteams are “split” into two to accelerate analysis.

Topics for LRWRP Milestone 2: TSP	Plan Formulation	Ecological	Modeling	Engineering	Real Estate
Update Risk register	p	x	x	x	x
Update Decision log	p				
Update Report Summary and sections of PIR/EIS	p	x	x	x	x
Possible IPRs with vertical team	p				
Update Decision Management Plan	p	x		x	x
H&H modeling of baselines and alts			p		
Estimate performance measure values of alts		p	x		
Calculate habitat units	x	p			
Effects to natural and cultural resources		p			
Balance inland, floodplain, & estuary benefits	p	x			
Recreation analysis	p				
Monitoring and adaptive management plan	x	p			
Sea level change and climate change		p	x		
Savings clause & project assurances check of alts			p	x	
Additional design of features and alts			x	p	x
Refined cost estimates of features and alts				p	
Refined OMRR&R cost of features and alts				p	
Refined Real Estate requirements & costs of alts	x				p
Cost effectiveness and incremental cost analysis	p	x			
4 P&G criteria (complete, effective, efficient, acceptable)	p	x		x	
4 P&G accounts (NED, EQ, RED, OSE)	p	x			
DQC of TSP selection		All disciplines involved			
TRB of TSP selection		All disciplines involved			
ATR of TSP selection	p				
Prepare all chapters and appendices of the draft Integrated Project Implementation Report and Environmental Impact Statement		All sub-teams involved			
DQC of TSP draft PIR/EIS		All disciplines involved			
TRB of TSP draft PIR/EIS		All disciplines involved			



# Evaluation Teams



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- Vegetation Communities (PM 4) team
  - Team Lead: Andy LoSchiavo
  - Transfer updated modeling output to the tool that estimates Performance Measure 4. Ensure that topography concerns identified during earlier model post-processing have been corrected.
- River and Estuary Salinity (PM 1) team
  - Team Lead: Patti Gorman
  - Transfer updated modeling output, primarily flow data, to estimate salinity conditions in the Loxahatchee River and Estuary.



# Evaluation Teams



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- Flooding and Water Supply team
  - Team Leads: Scott Thourot (flood) and John Mulliken (water supply)
  - Review modeling outputs to decide whether project alternatives will not induce flooding in residential, agricultural, and other locations that we do not want project alternatives to make “wetter” than existing or future without project conditions.
  - Review modeling outputs to estimate whether project alternatives will not reduce water supply to multiple utilities.
- Water Quality team
  - Team Leads: Justin Reale and Andy LoSchiavo (both USACE)
  - Estimate whether project alternatives are likely to reduce water quality in the project area.



# Evaluation Teams



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- Real Estate Cost Estimate team
  - Team Lead: Emmanuel Freeman
  - Review modeling outputs to consider whether the initial real estate cost estimates must be revised. The initial cost estimates was based on assumed hydrologic changes rather than modeled hydrologic changes.
- Model Description and Interpretation team
  - Team Lead: John Mulliken
  - Explain how to interpret performance measure graphics
  - Address questions from the other evaluation teams
  - Post Calibration Report by 1 May 2017



# 1 Month Near-Term Schedule



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- 26 Apr 2017 – PDT webinar meeting, introduce modeling output
- 10 May 2017 – findings from the Evaluation Teams due to USACE and SFWMD
- 17 May 2017 – PDT webinar meeting, consolidated results for all alternatives; select TSP or develop hybrid plan to analyze
- 31 May 2017 – PDT in-person meeting, input on selection of TSP



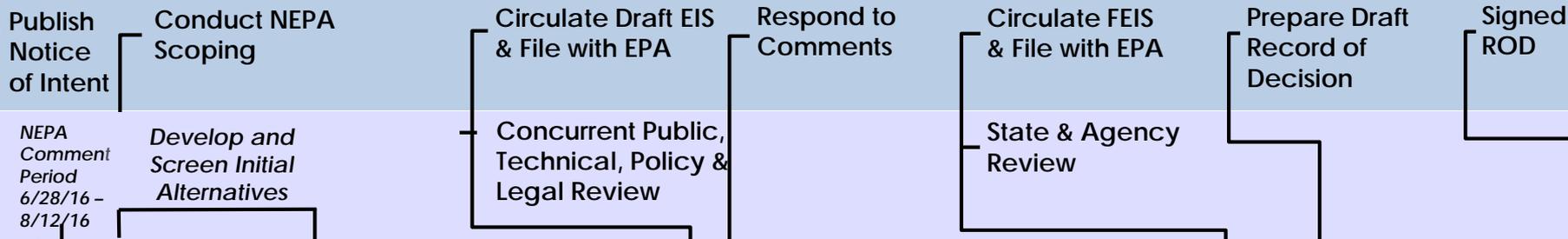
# Study Process



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## SMART FEASIBILITY STUDY PROCESS

18-36 MONTHS



### SCOPING

### ALTERNATIVE EVALUATION & ANALYSIS

### FEASIBILITY-LEVEL ANALYSIS

### CHIEF'S REPORT

**Alternatives Milestone**  
Vertical Team Concurrence on Array of Alternatives  
**April 25, 2016**

1

WE ARE HERE

**TSP Milestone**  
Vertical Team Concurrence on Tentatively Selected Plan  
**August 2017**

2

3

**Final Report Milestone**  
DCG Releases Report - State & Agency Review

4

**Agency Decision Milestone**  
Agency Endorsement of Recommended Plan

Chief's Report

5