


# CEPP PACR Evaluation

*Sanibel-Captiva Conservation Foundation*

*Conservancy of Southwest Florida*

**DRAFT** - June 02, 2022

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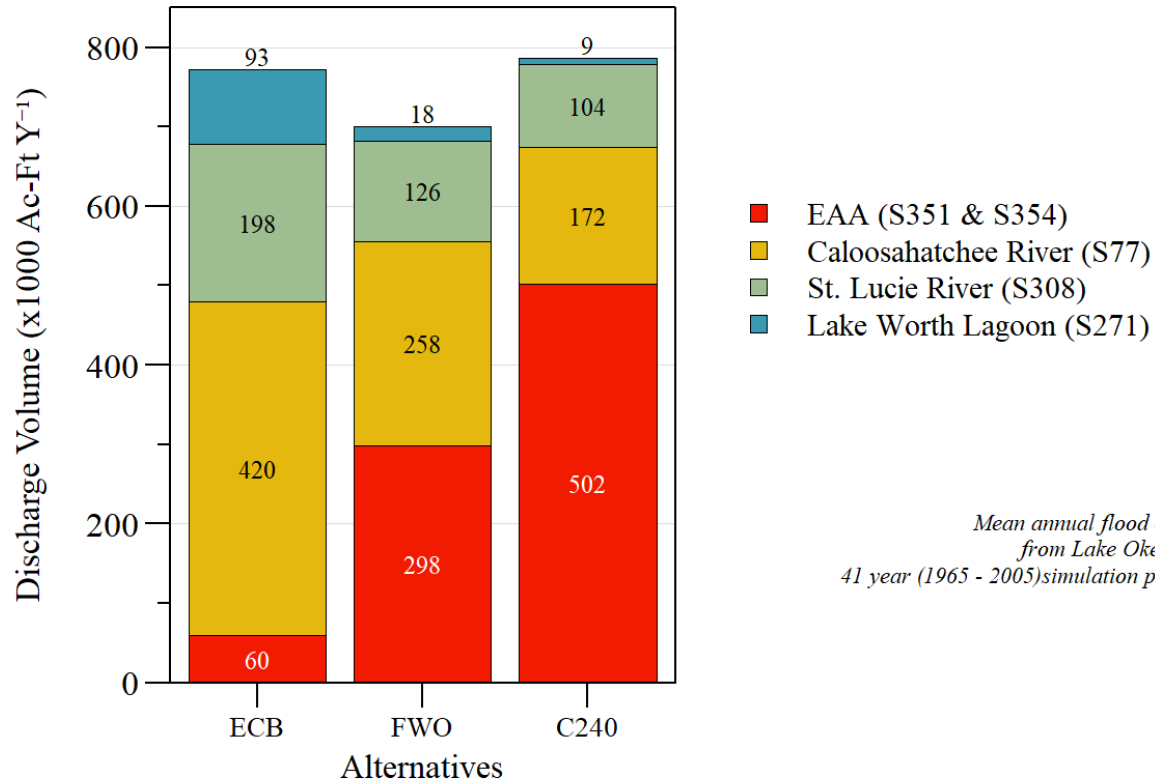


# General Description

Alternative	Description
ECB	Modified Water Deliveries (MWD) complete; CERP projects in construction, not operational; WCA3/ENP Ops under ERTTP; LORS08
FWO	MWD, C111 South Dade, KRR, RS, TT next steps; CERP projects operational IRL-S, PSRP, C43, C111, CEPP; WCA3/ENP Ops under ERTTP w/CEPP; LORS08 w/CEPP (LORS08++)
C240	FWO + EAA Reservoir and STA (240,000 ac-ft above-ground reservoir & 6,500-acre STA)

- RSMBN modeling Period of Simulation - Jan 1, 1965 to Dec 31, 2005

# Regulatory Discharge



*Mean annual flood control releases  
from Lake Okeechobee for the  
41 year (1965 - 2005) simulation period of record.*

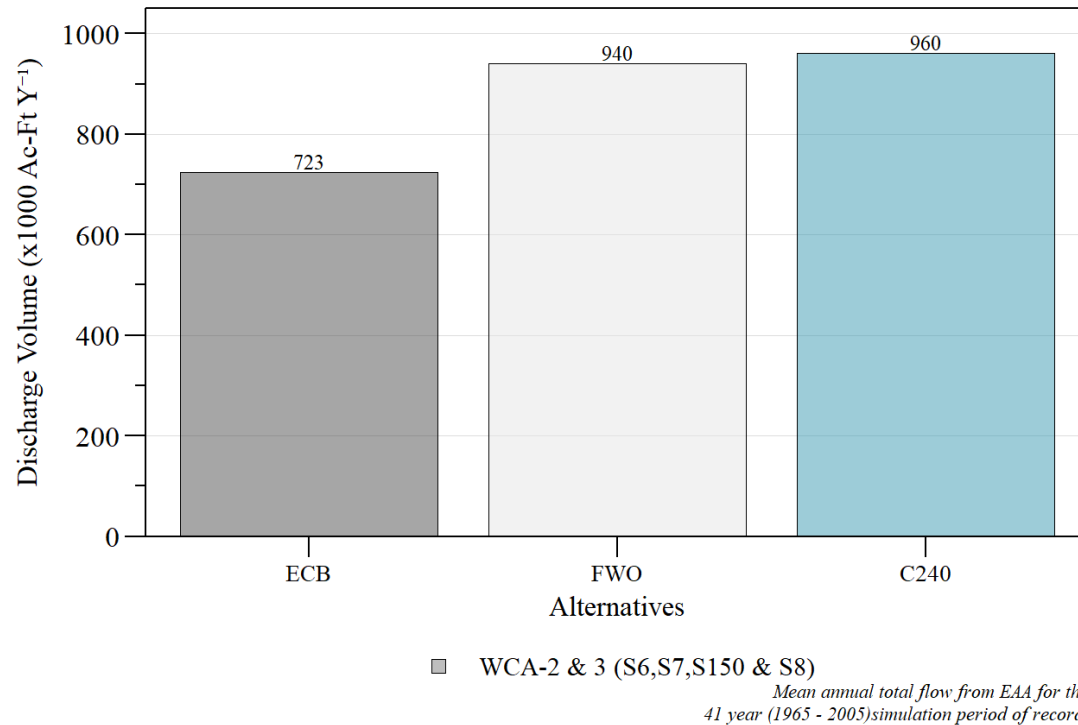
Regulatory discharge from Lake Okeechobee

# Regulatory Discharge

Mean annual flood control releases from Lake Okeechobee for the 41-year period of simulation with percent difference relative to FWO and ECB.

Region	Average annual total discharge			Percent Difference	
	ECB	FWO	C240	FWO vs C240	ECB vs C240
EAA	60	298	502	68	737
Caloosahatchee	420	258	172	-33	-59
St. Lucie	198	126	104	-18	-48
Lake Worth Lagoon	93	18	9	-52	-91

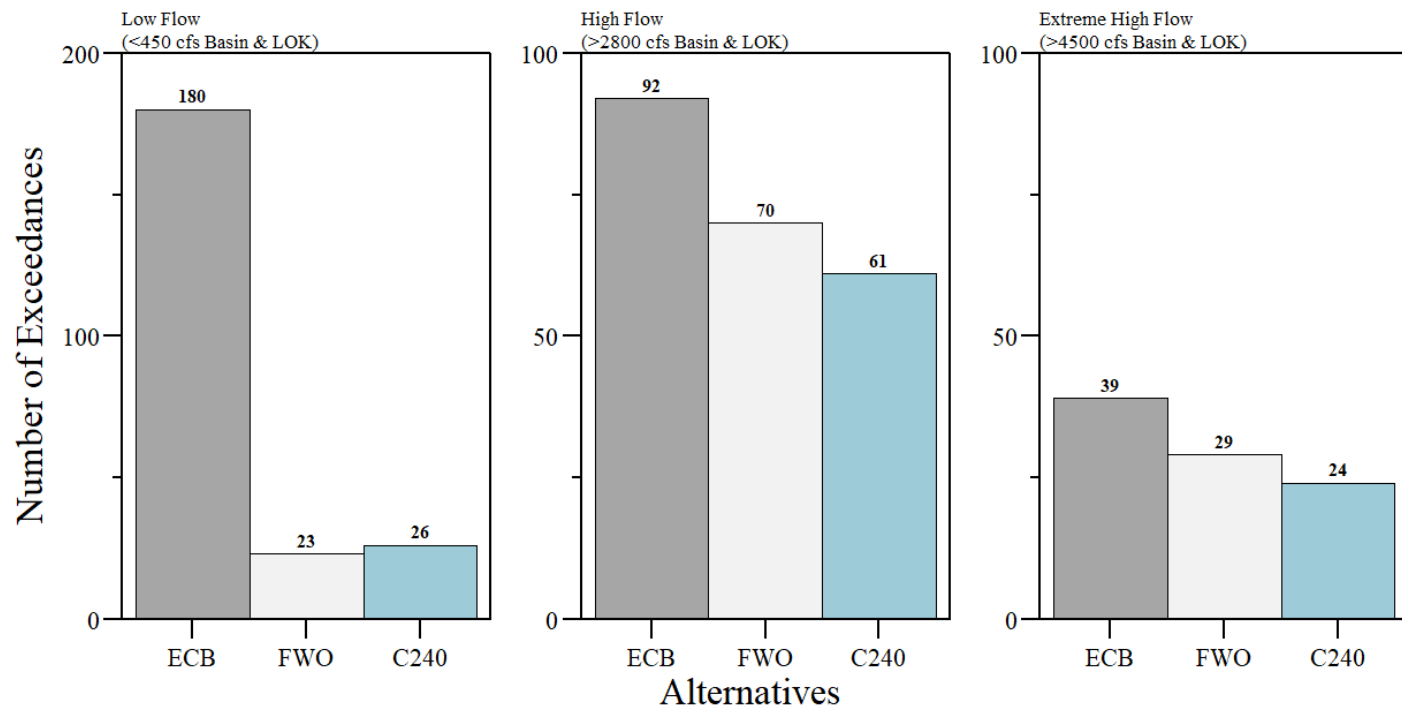
# Everglades Discharge



Total discharges to WCAs from EAA during the 41-year period of simulation.

- % Difference FWO vs C240: 2.2%
- % Difference ECB vs C240: 32.8%

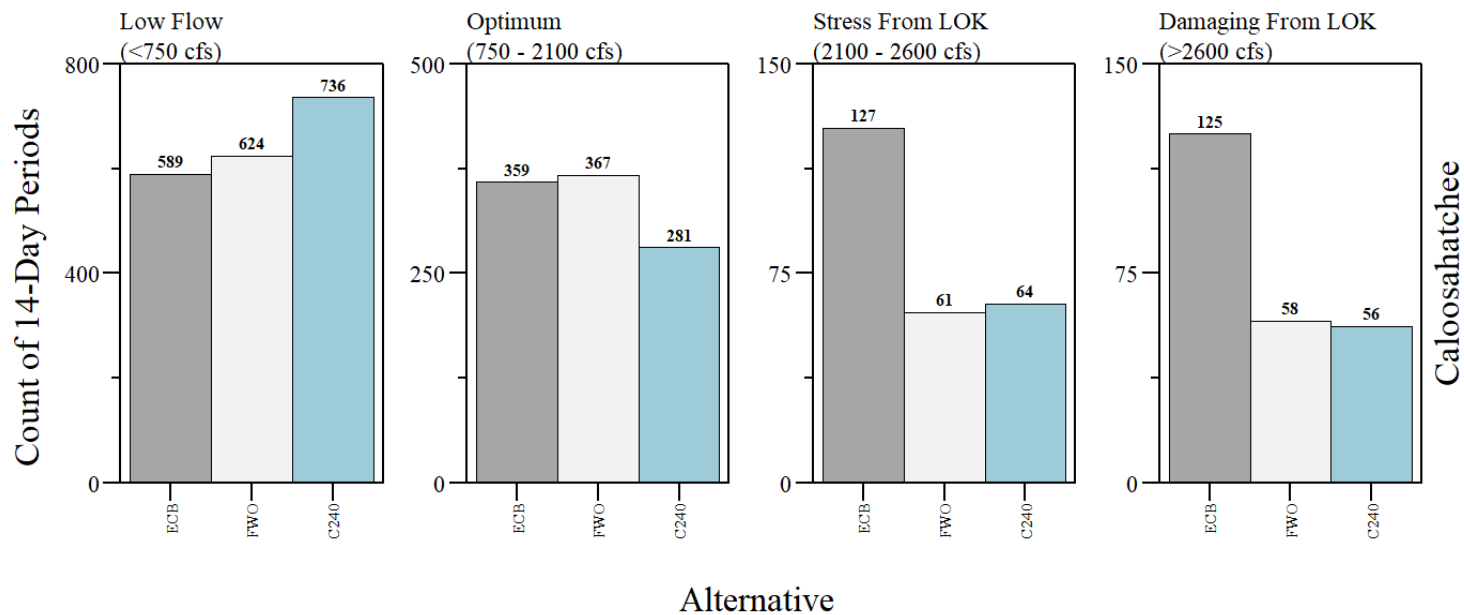
# CRE - Salinity Envelope (2007 PM)



2007 RECOVER Salinity Envelope Performance Metric based on mean monthly discharge at S-79

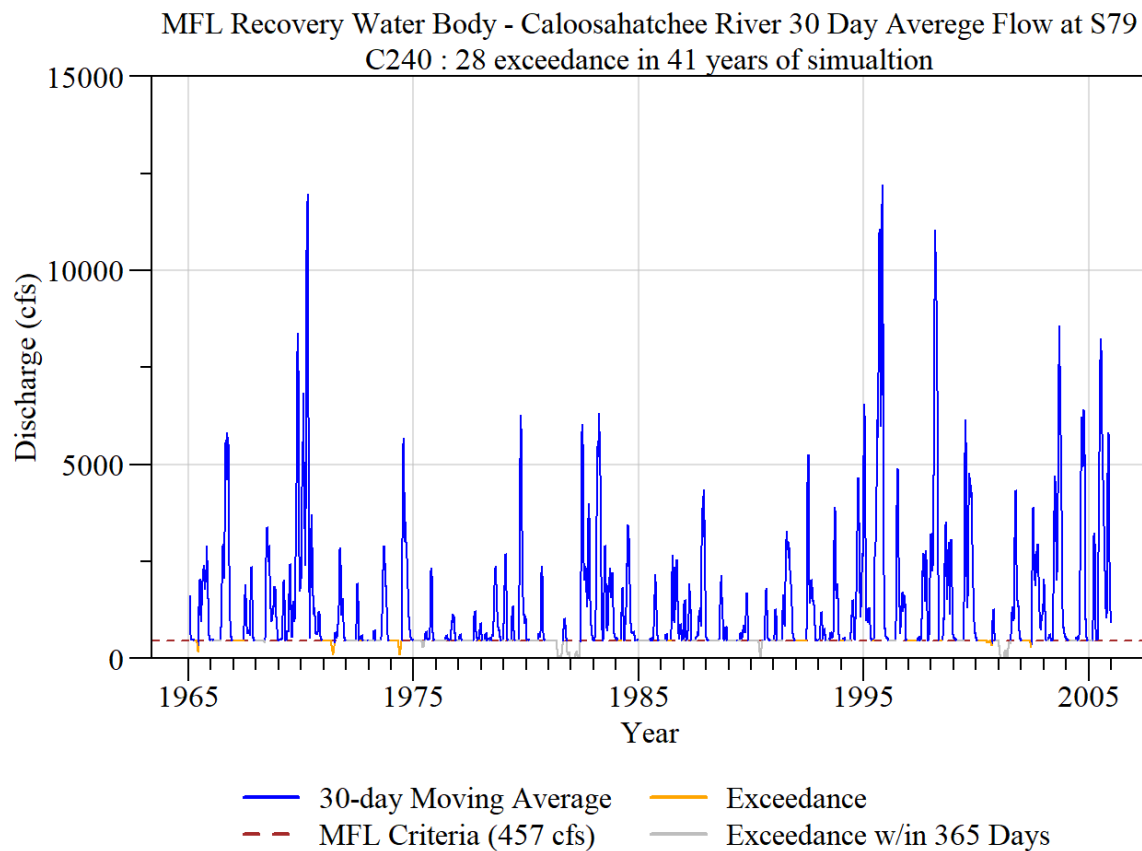
Caloosahatchee salinity envelope evaluation (2007 RECOVER PMs)

# CRE - Salinity Envelope (2020 PM)



Caloosahatchee salinity envelope evaluation (2020 RECOVER PMs)

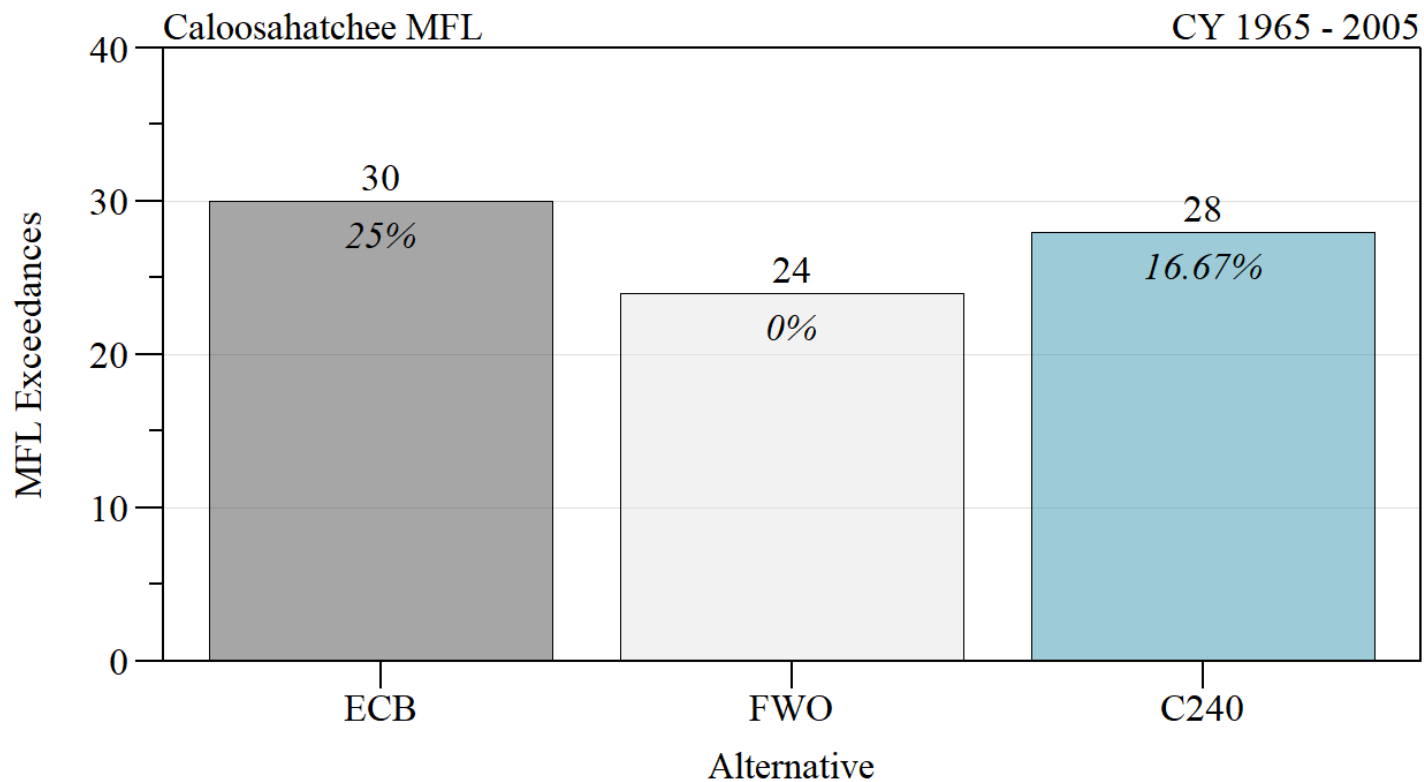
# Caloosahatchee MFL



Caloosahatchee MFL for Alternative C240.

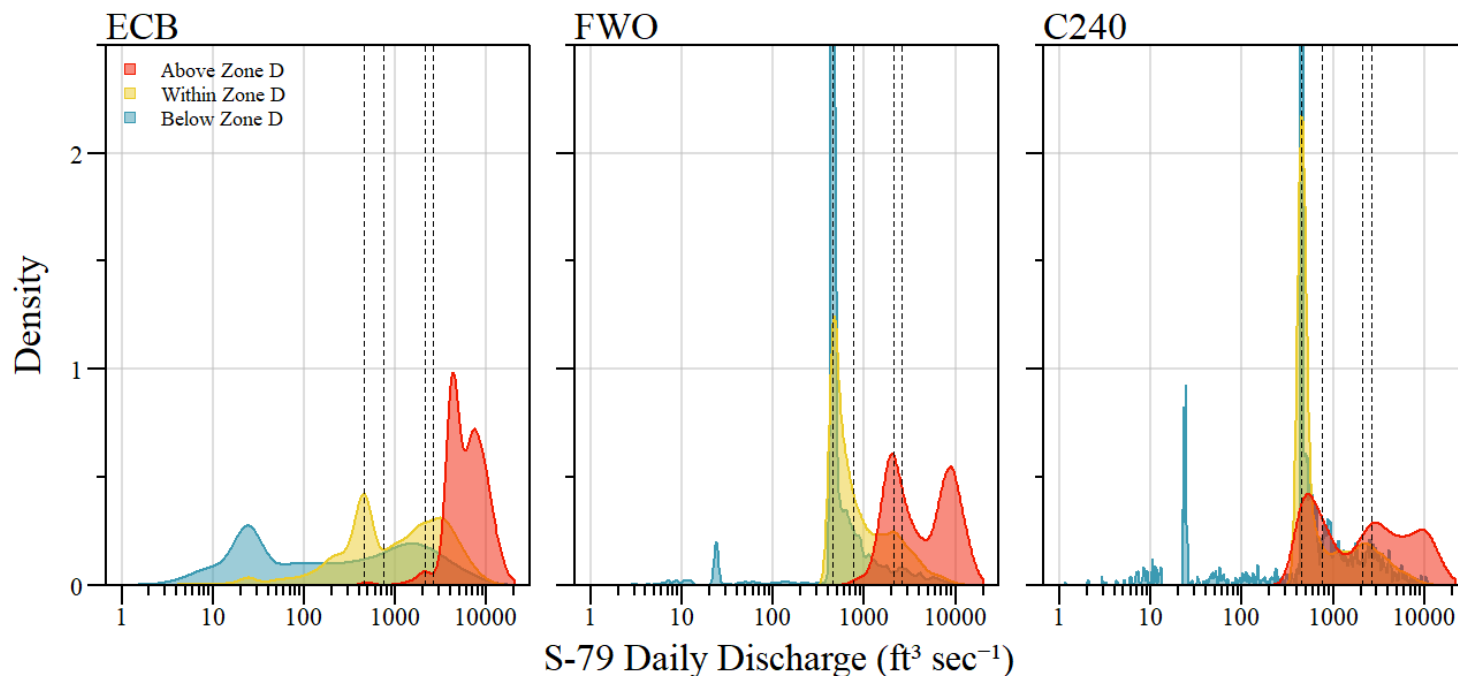


# Caloosahatchee MFL



Caloosahatchee MFL percent difference relative to FWO.

# Caloosahatchee Discharge



Discharges to Caloosahatchee below, within and above zone D of the Lake regulation schedule.

# SLE - Salinity Envelope

- waiting on some additional modeling data