


# Lake Okeechobee Watershed Restoration Project

*Sanibel-Captiva Conservation Foundation*

*Conservancy of Southwest Florida*

**DRAFT** - March 07, 2022

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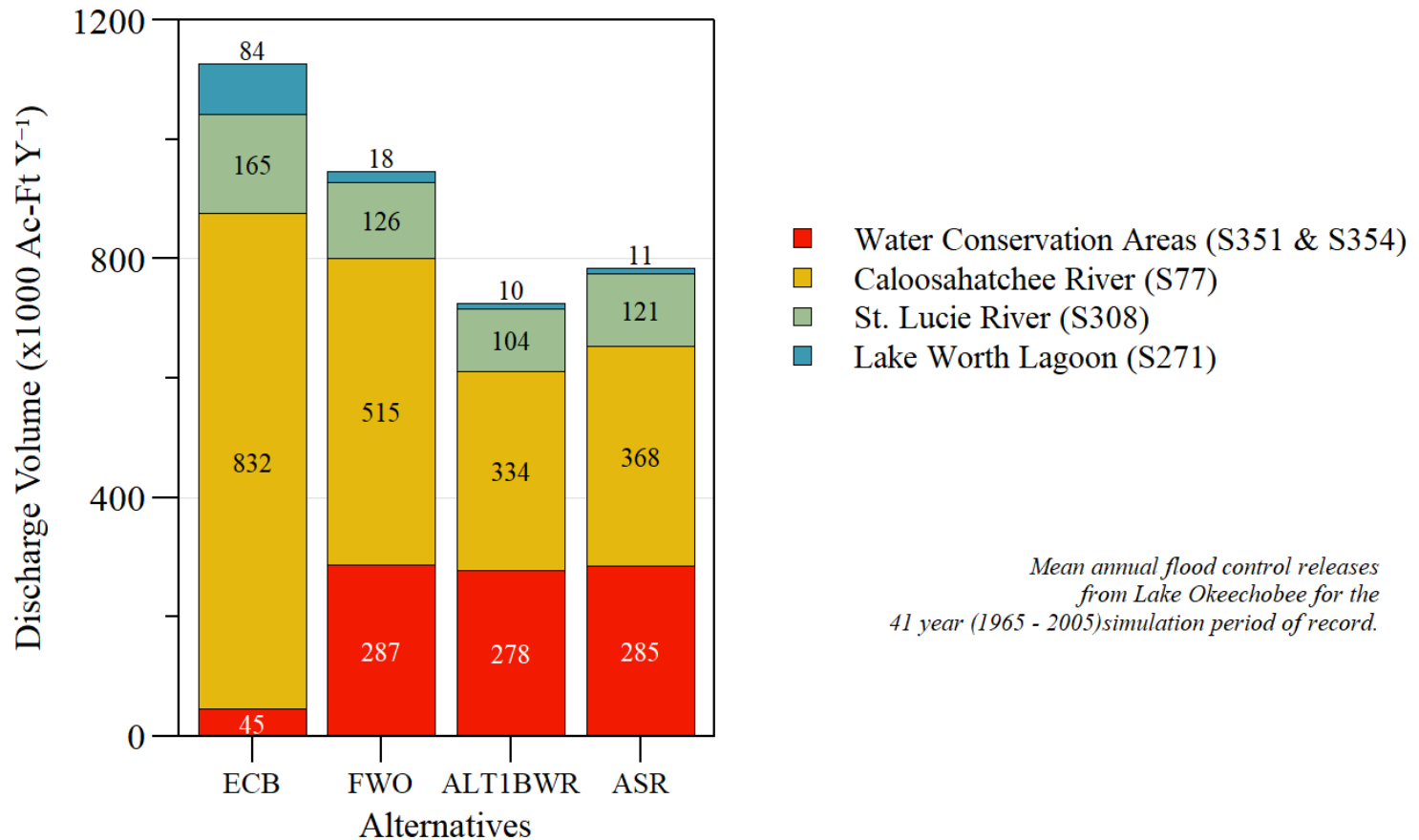


# General Description

Alternative	Description
ECB	KRR partial complete; HHD under construction; C44 & C43 under construction; LORS08 schedule (cira 2012)
FWO	KRR & HHD complete; C44, C43 and C23/24 complete; CEPP feautres operational; LORS08 schedule (cira 2025)
1BWR	Wetland Attenuation Feature - 43000 acres; 80 ASR wells; wetland restoration; LORS08 (cira 2025)
ASR	WAF removed; 55 ASR wells; wetland restoration; LORS08 (cira 2025)

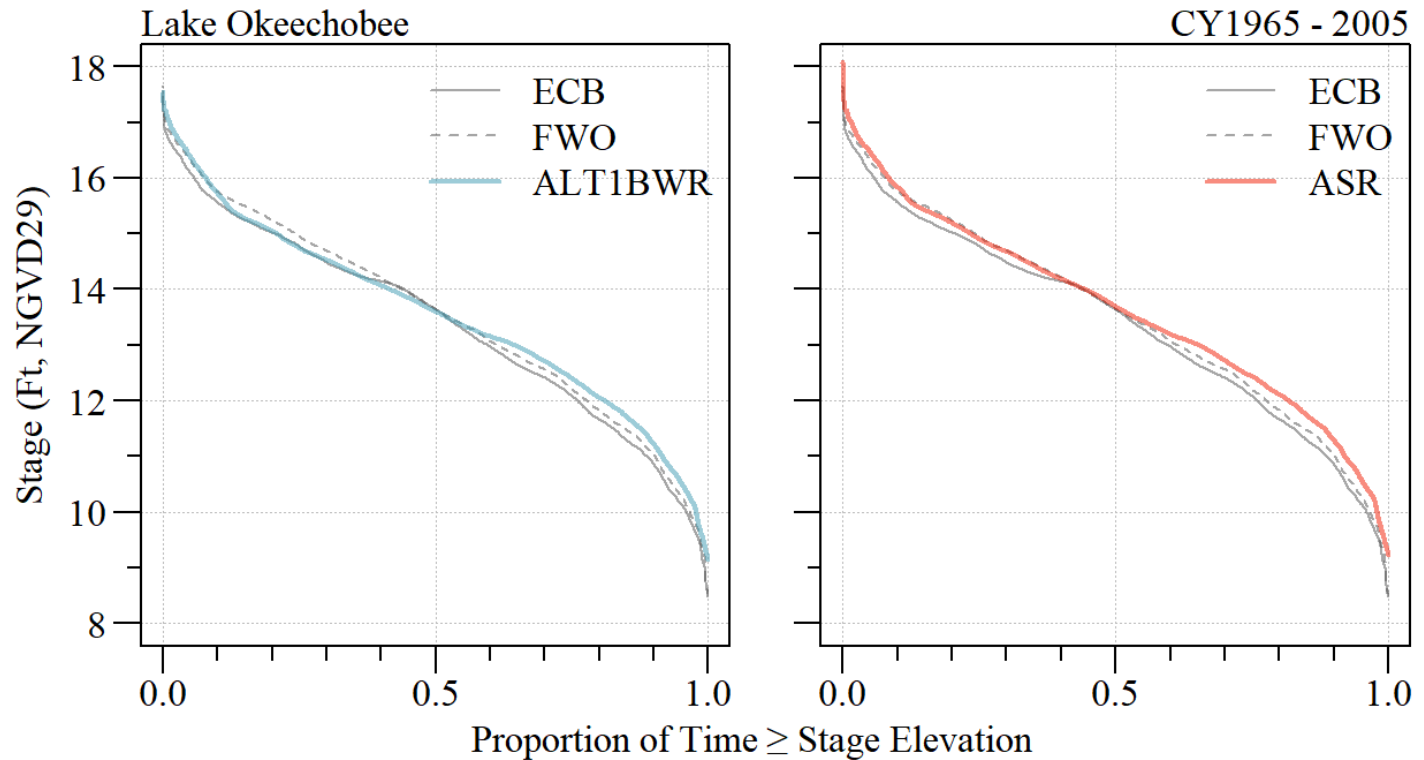
- RSMBN modeling Period of Simulation - Jan 1, 1965 to Dec 31, 2005
- Performance Measures
  - Both 2007 and 2020 Lake Okeechobee Stage and Northern Estuaries Salinity Envelopes were used to evaluate LOWRP alternatives.

# Regulatory Discharge



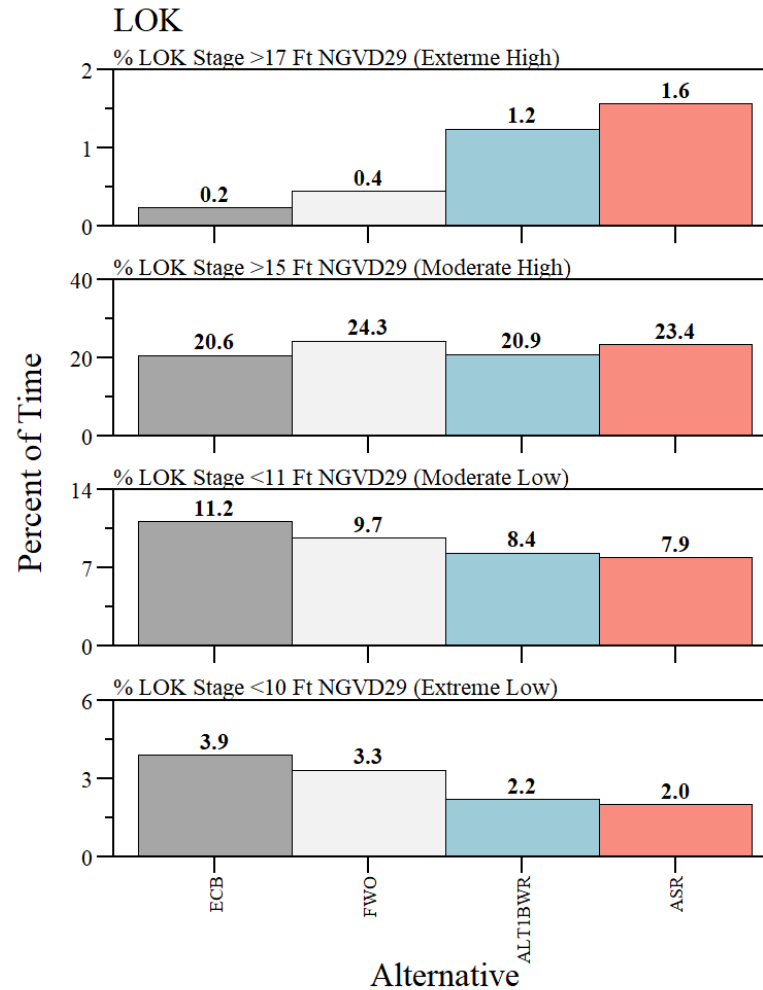
Regulatory discharge from Lake Okeechobee

# LOK Stage Duration Curves

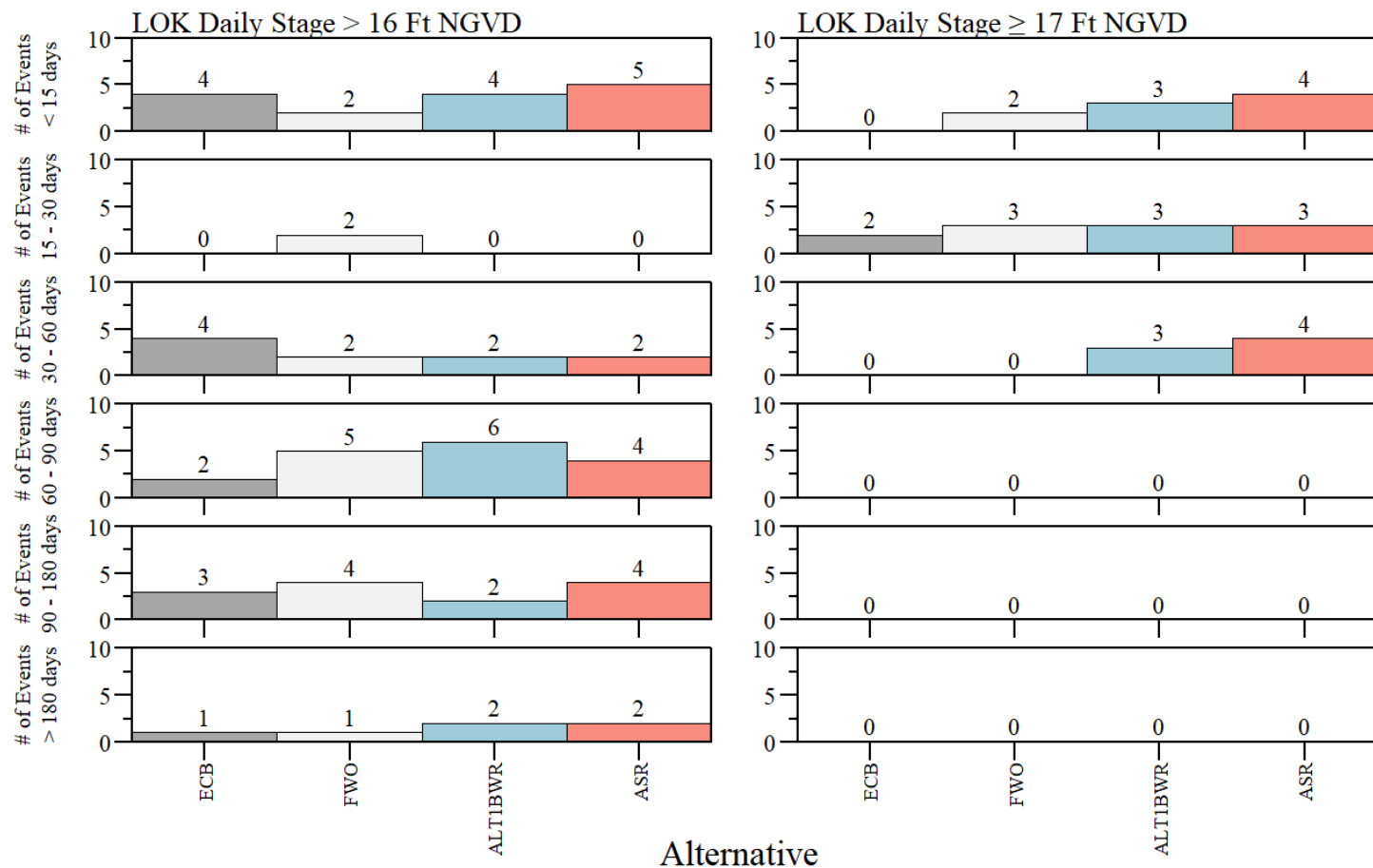


Stage duration curves for 1BWR and ASR alternatives relative to ECB and FWO baseline conditions.

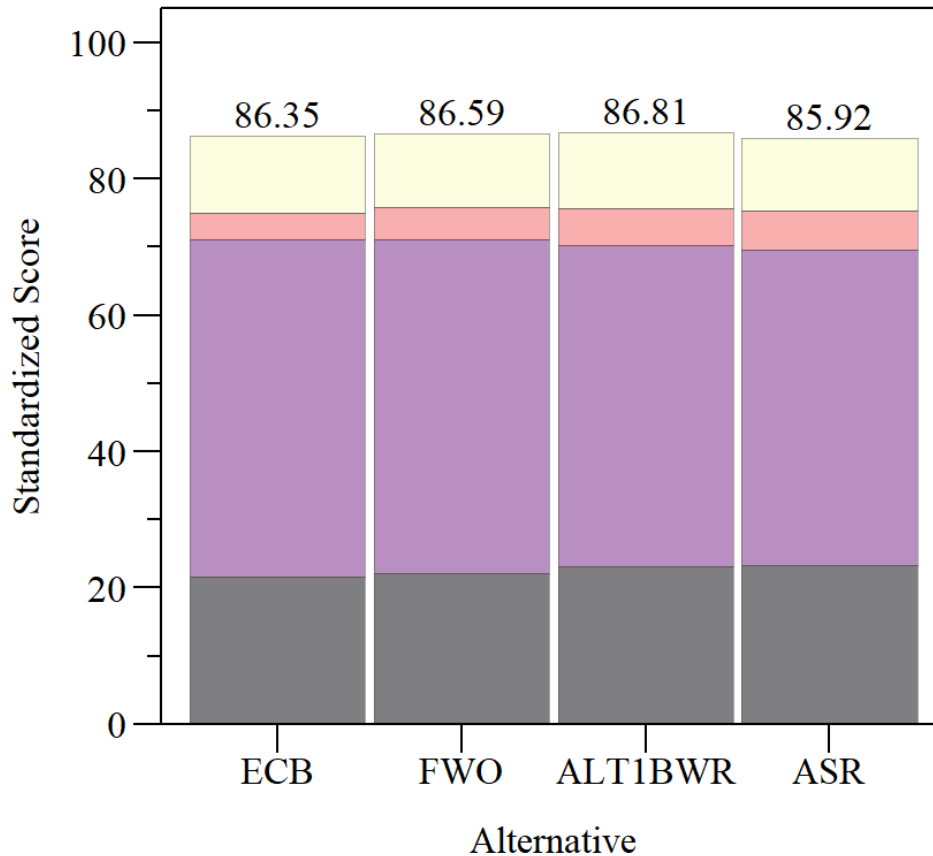
# LOK Stage Conditions



# LOK - High Stage Event and Duration



# 2007 RECOVER PM



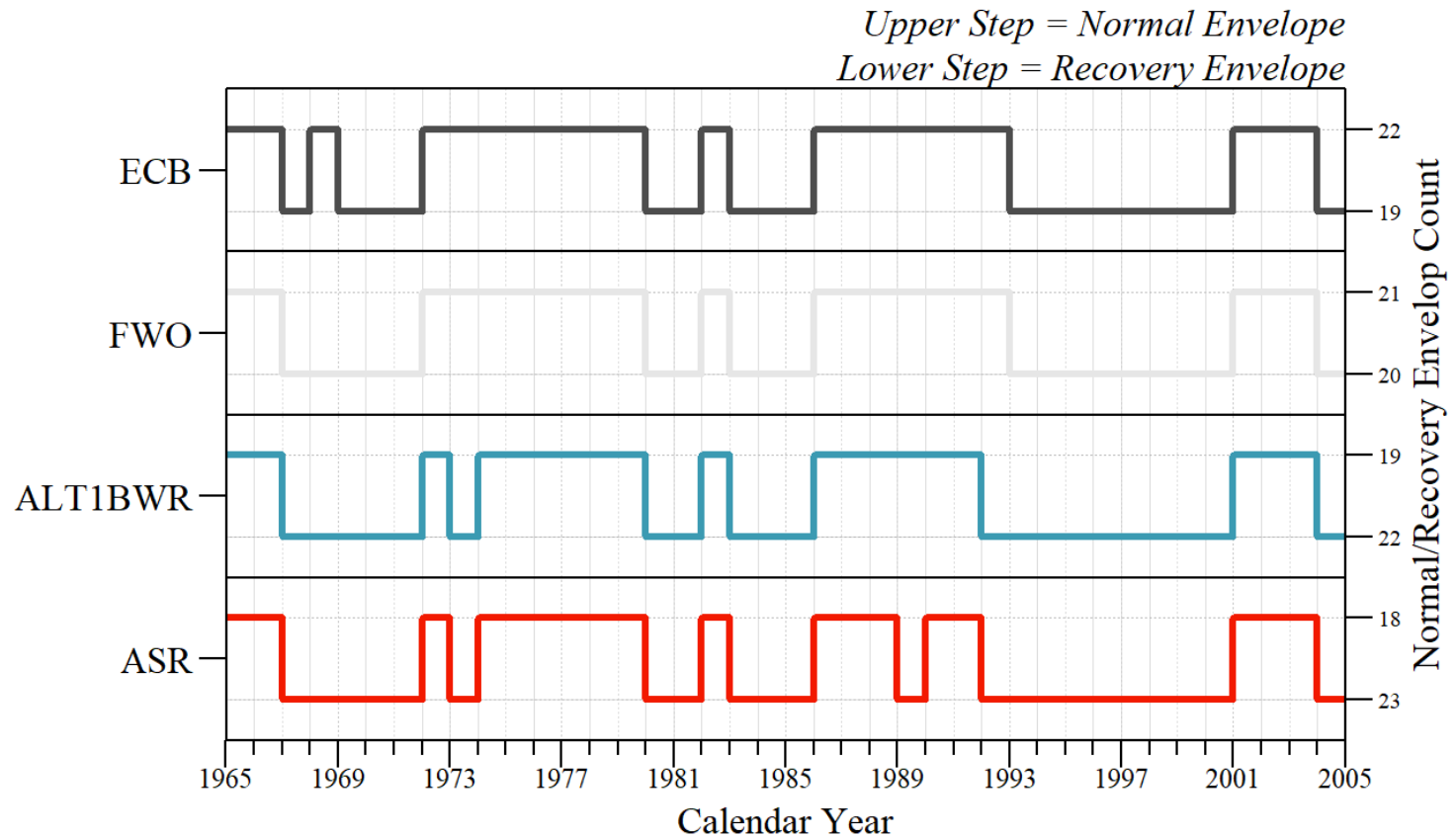
Lake Okeechobee  
Envelope Penalty Score  
All Years

Performance Measure

- Above Envelope
- Below Envelope
- Extreme High
- Extreme Low

Simulation Period of  
Record (1965-2005).  
2007 RECOVER LOK PM

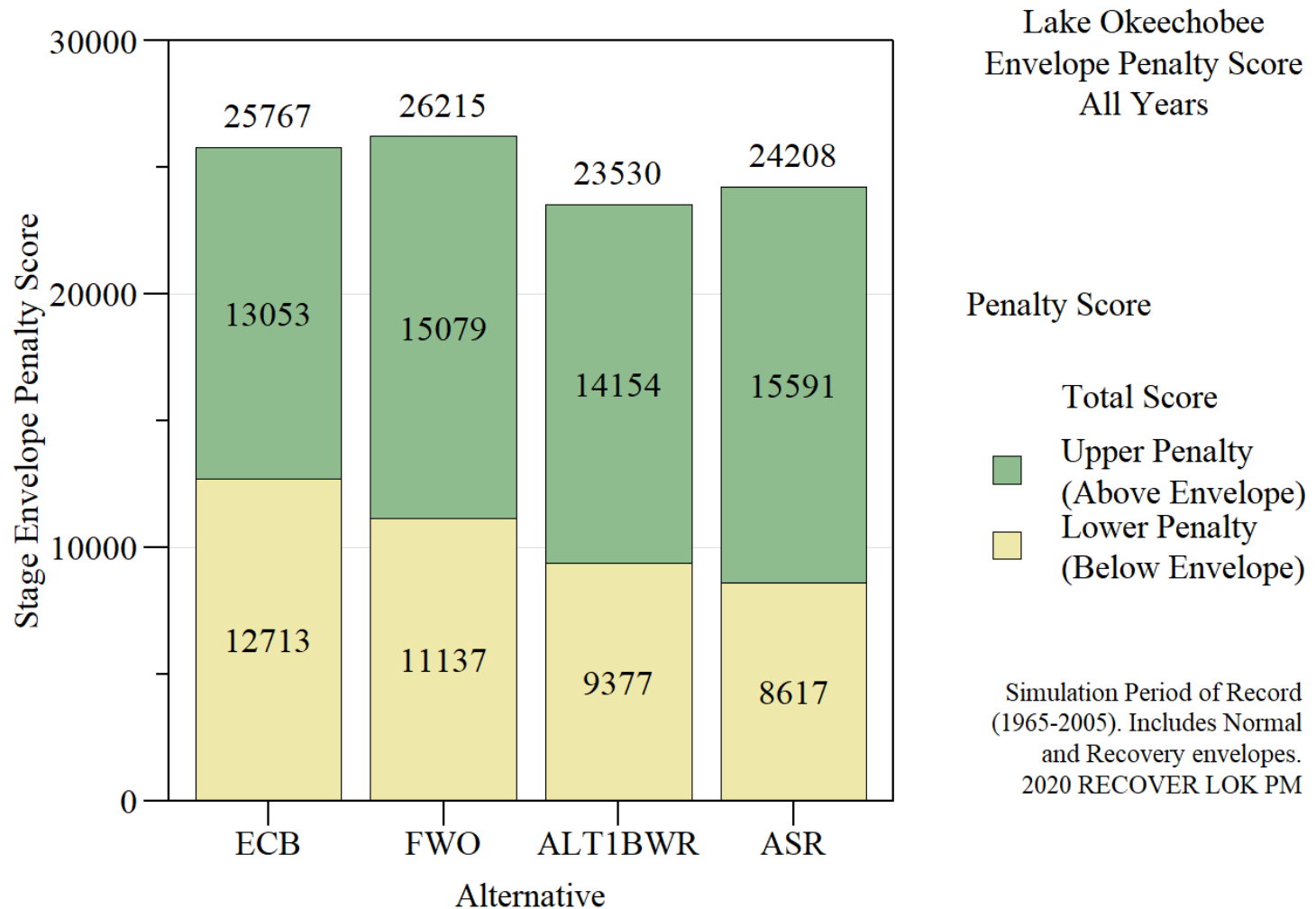
# 2020 RECOVER PM



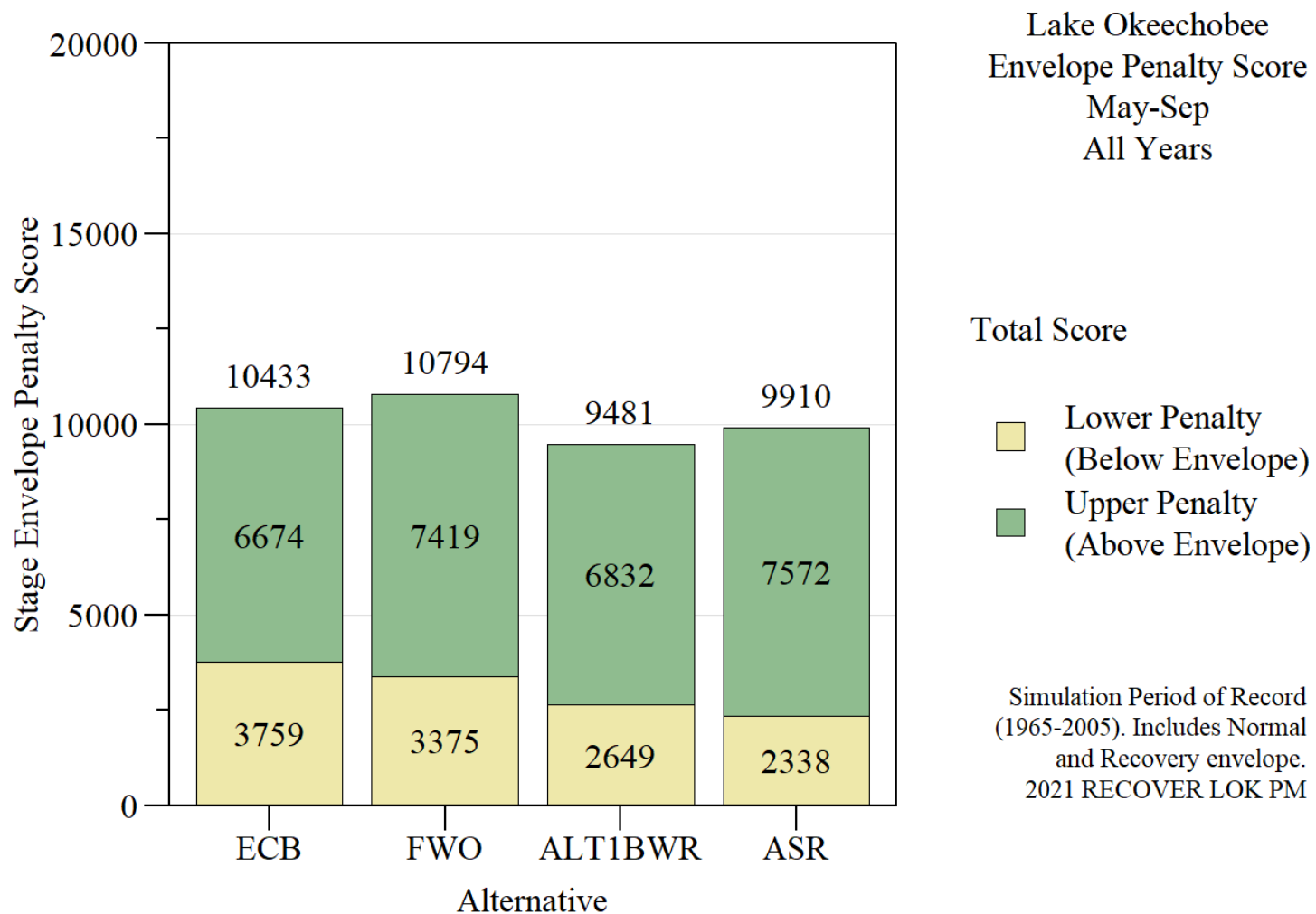
Normal and recovery stage envelope timeline for each alternative.



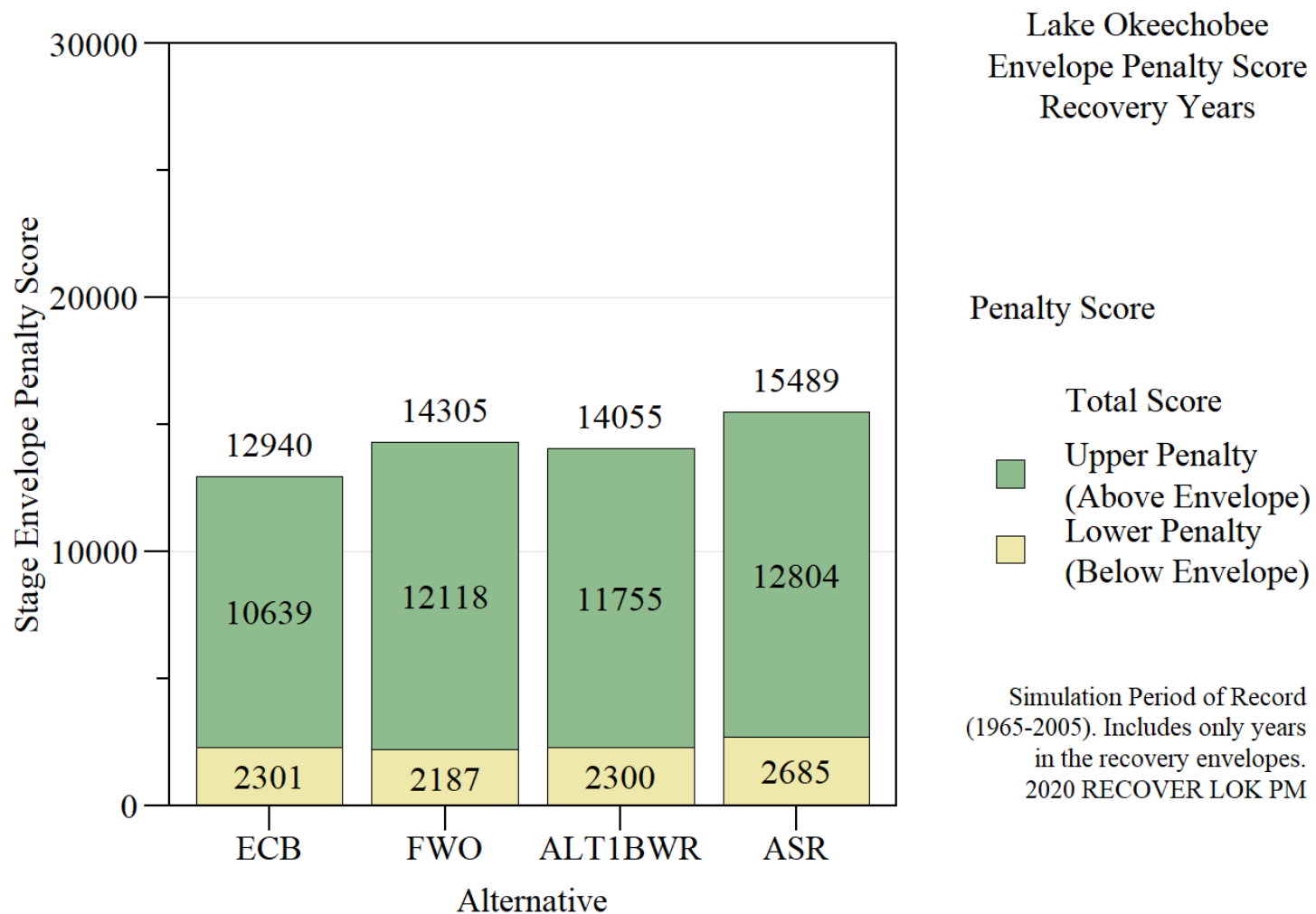
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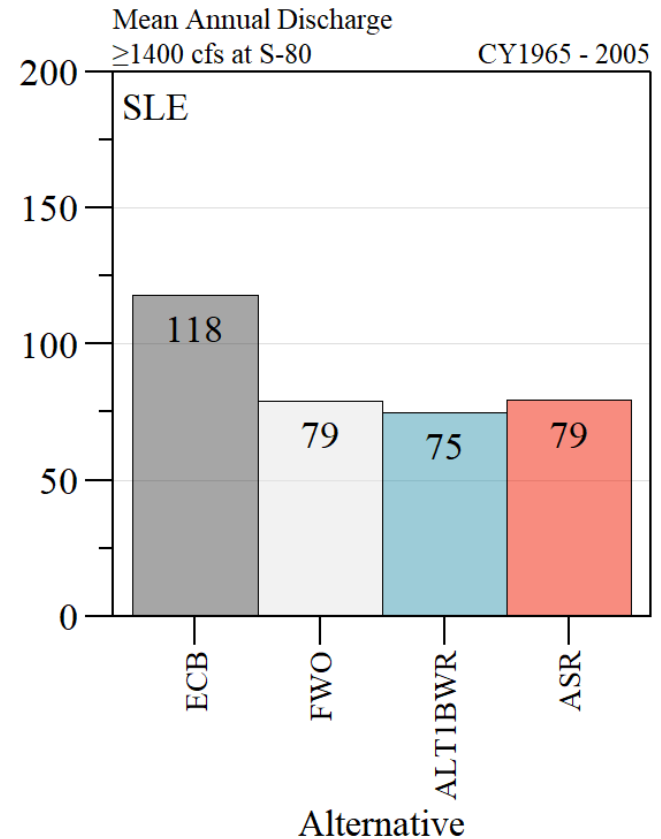
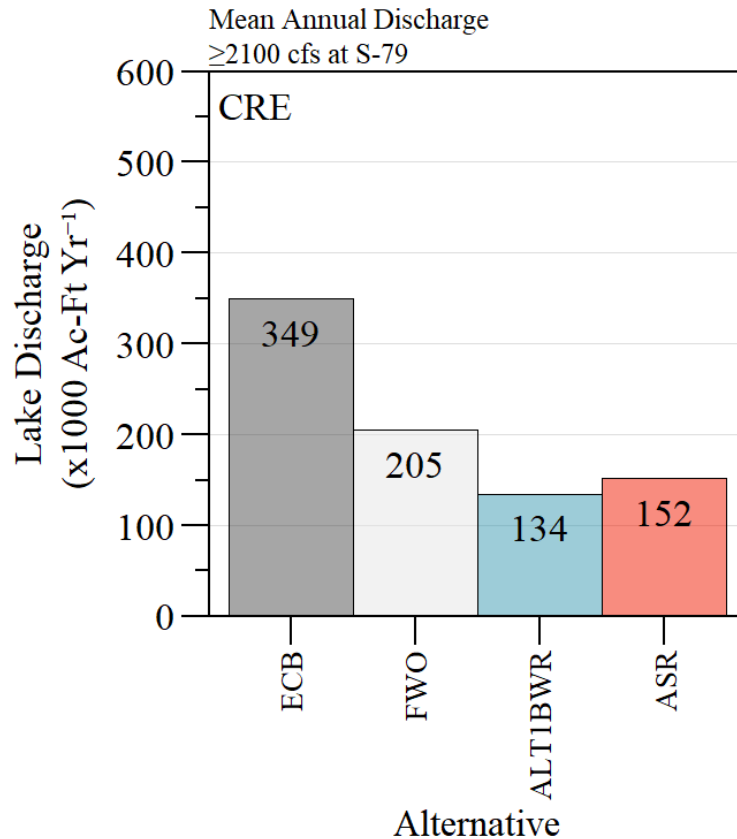
# 2020 RECOVER PM



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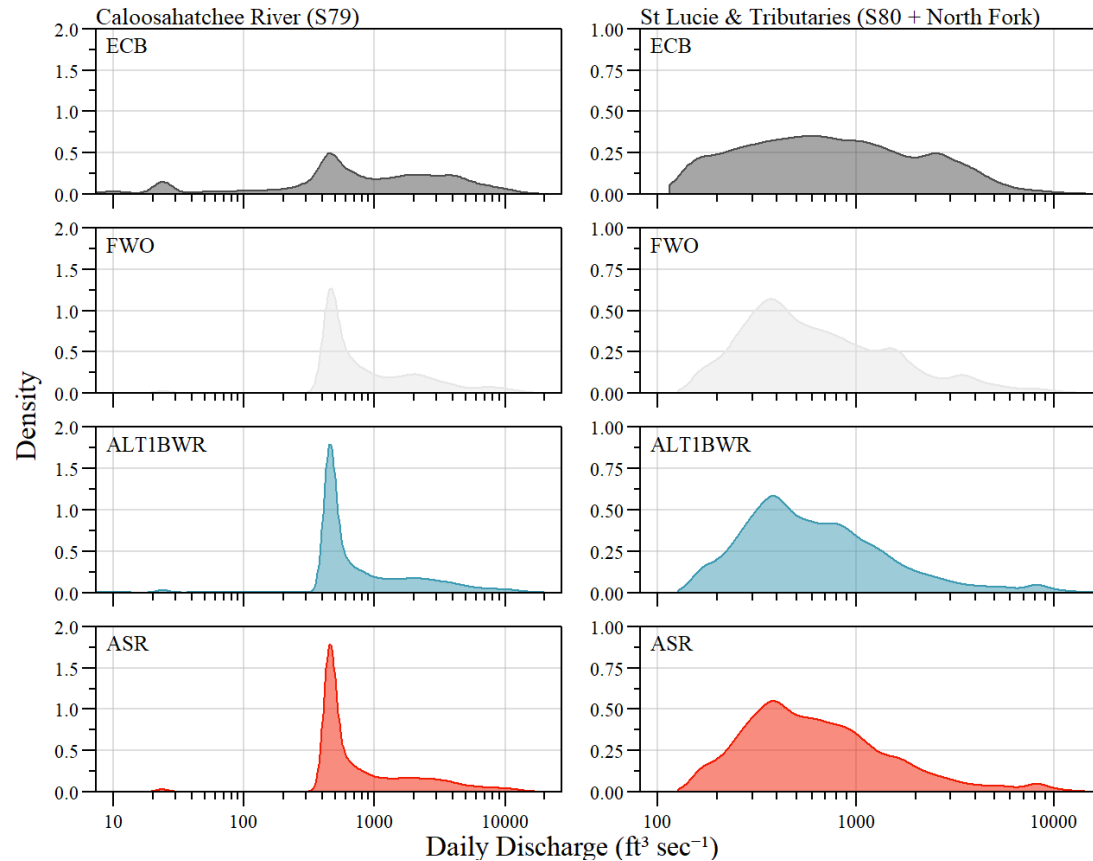


# Regulatory Discharge



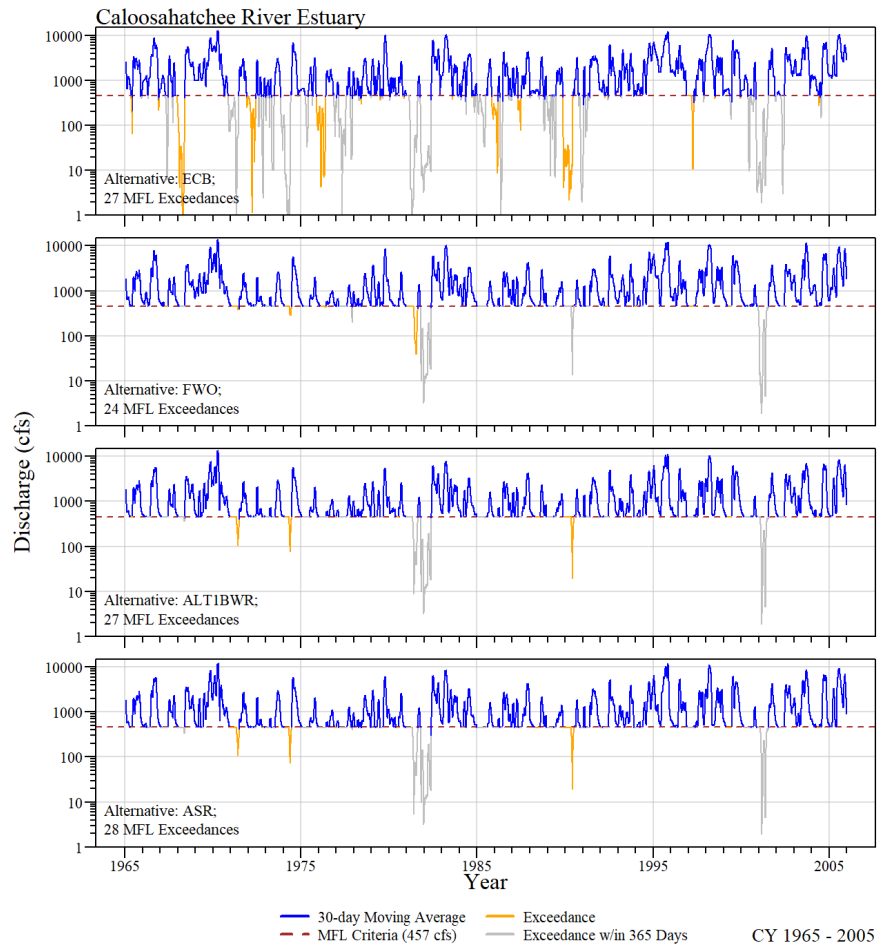
Stressful and damaging Lake discharges to CRE and SLE.

# Daily Discharge

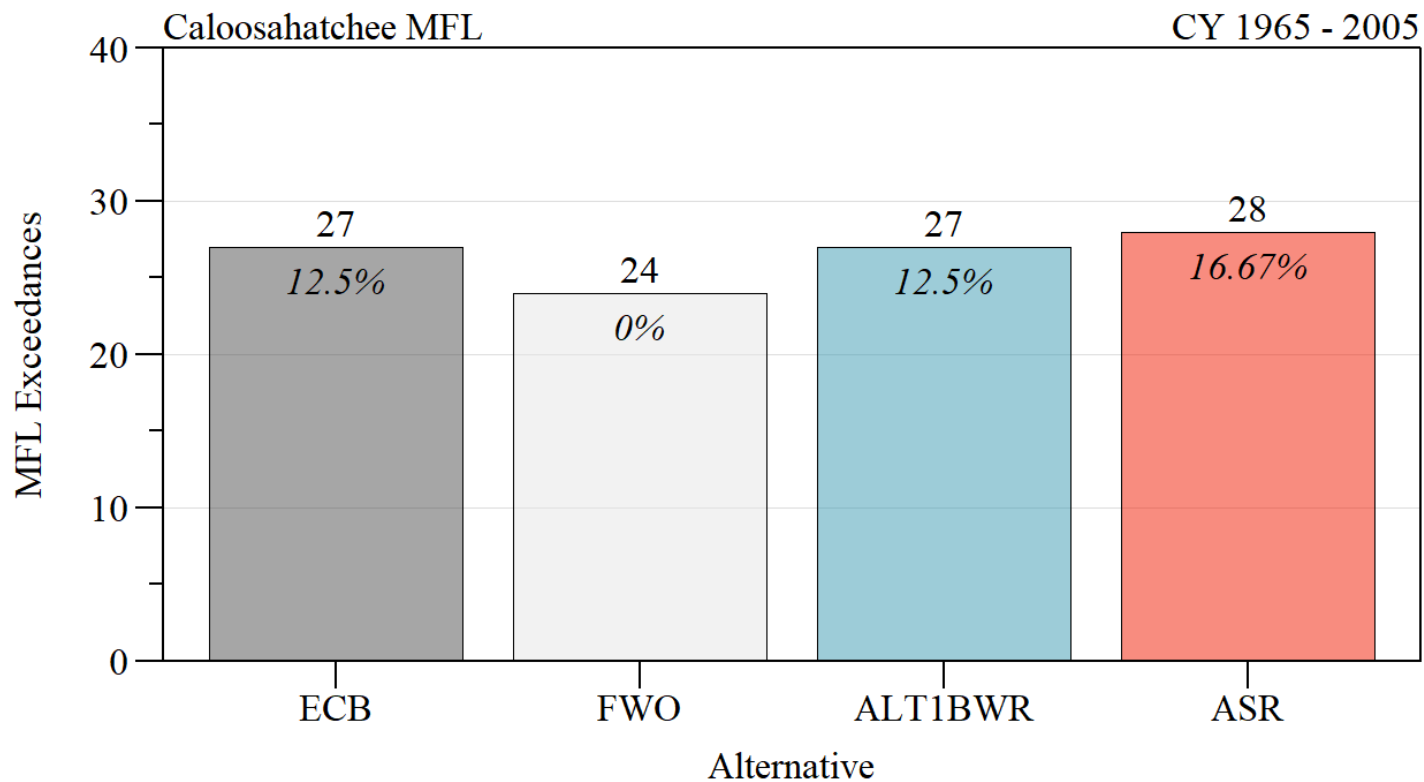


Daily discharge distribution during POS for each alternative and Estuary.

# Caloosahatchee MFL

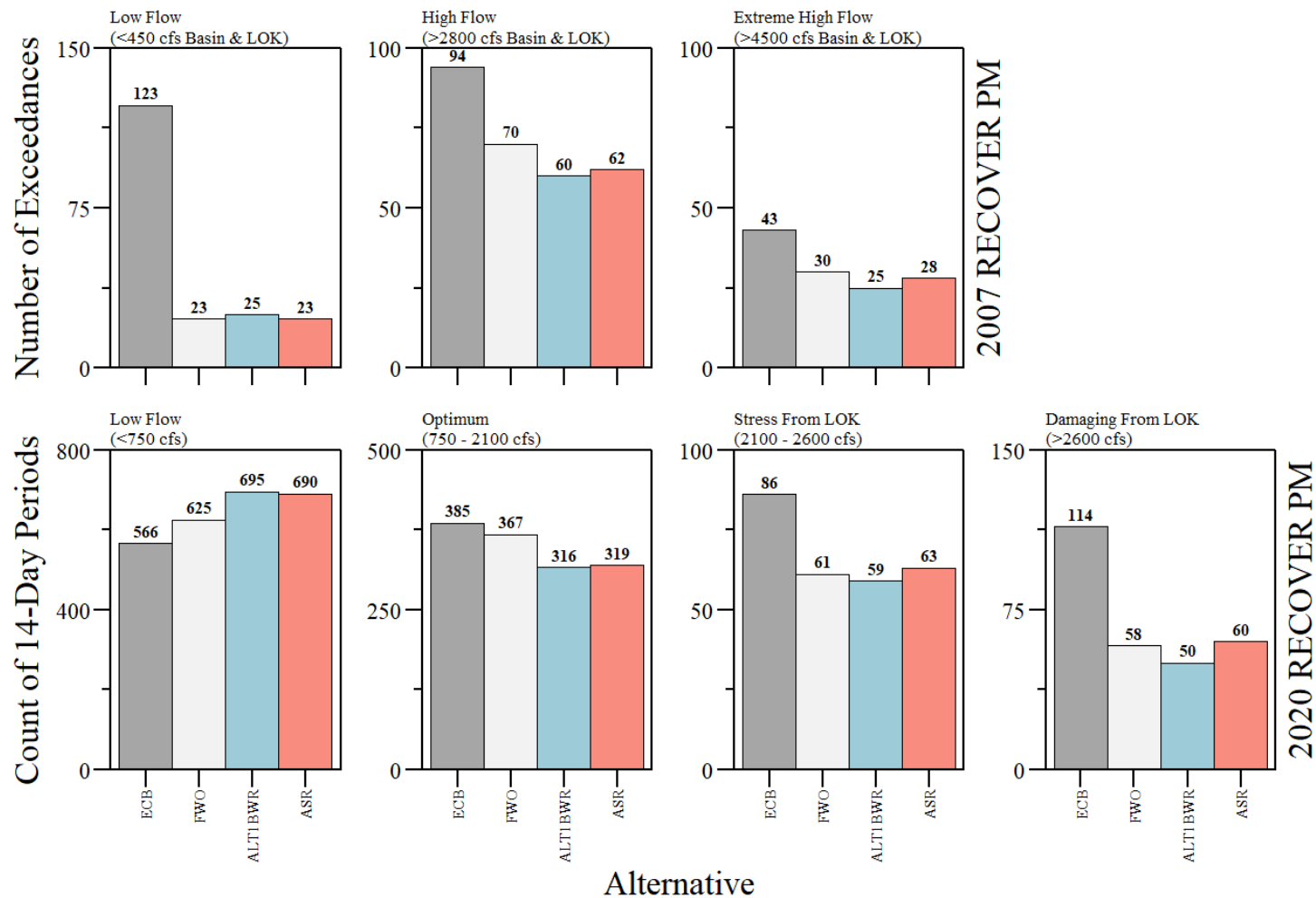


# Caloosahatchee MFL



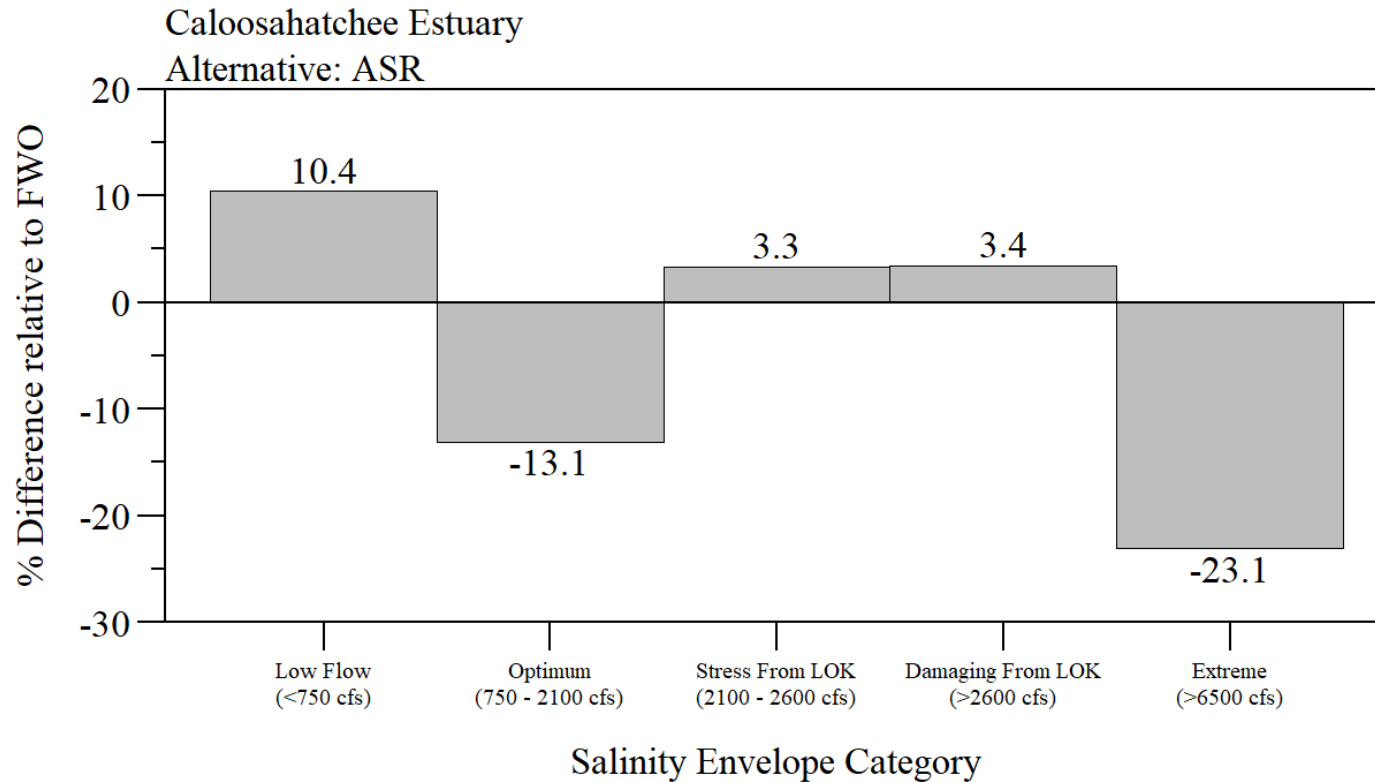
Caloosahatchee MFL percent difference relative to FWO.

# Salinity Envelope



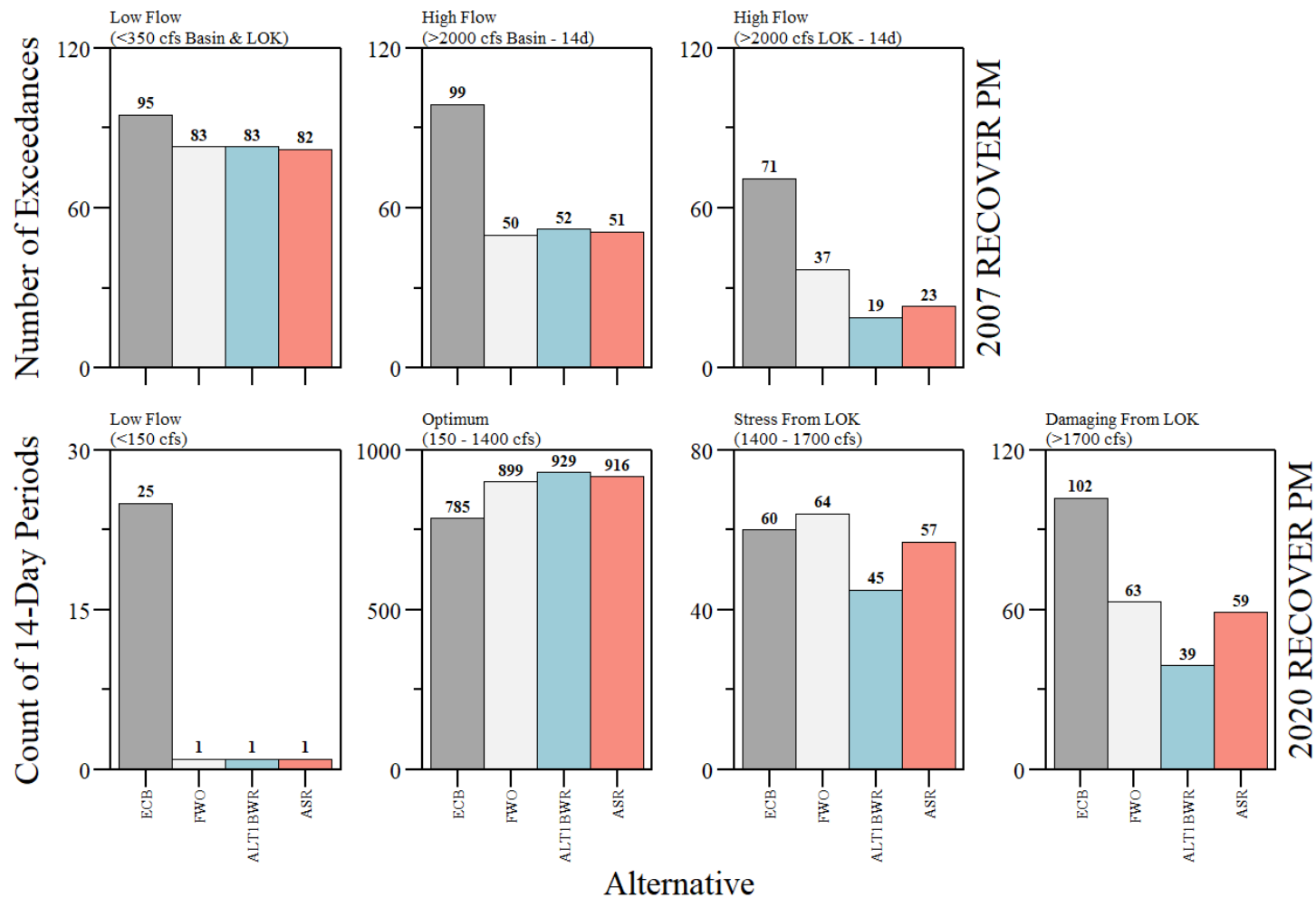


# Salinity Envelope

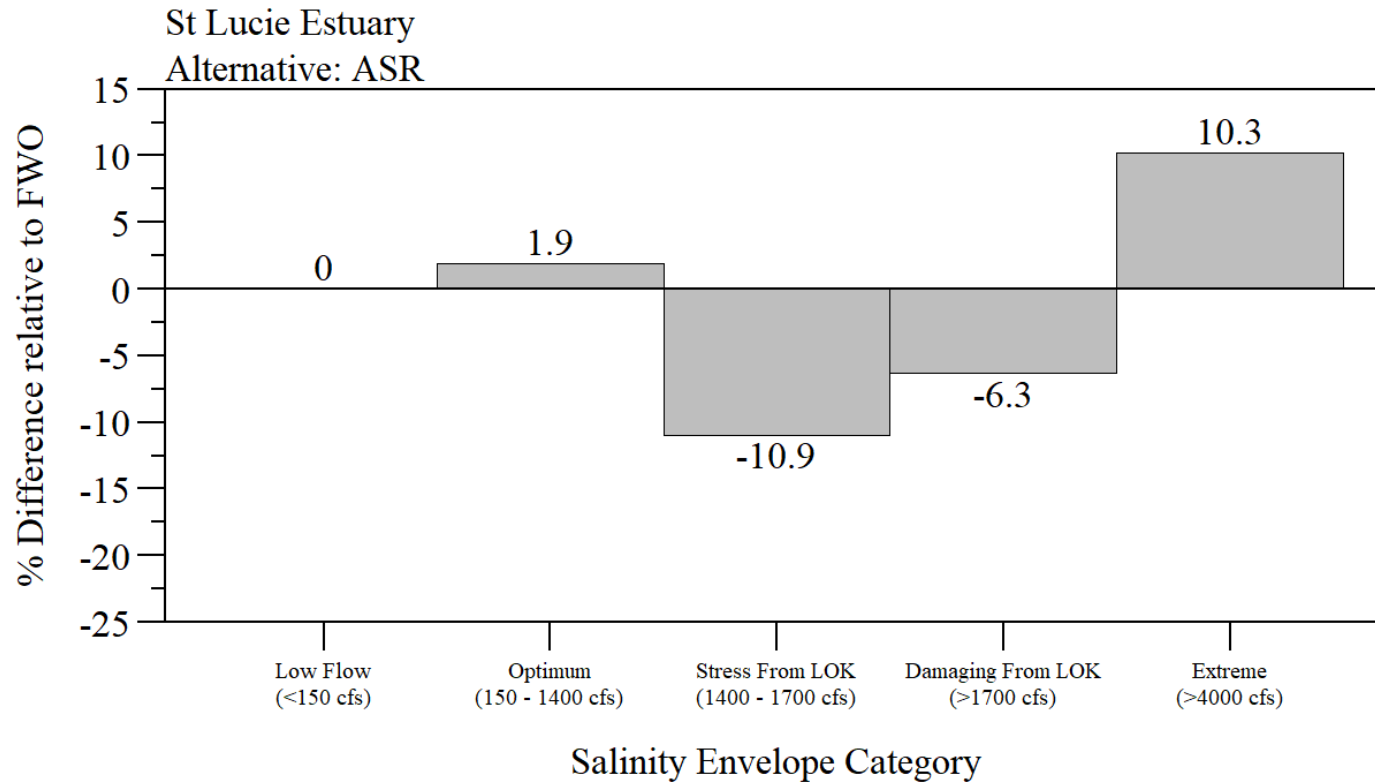


Caloosahatchee salinity envelope evaluation relative to FWO.

# Salinity Envelope



# Salinity Envelope



St Lucie salinity envelope evaluation relative to FWO.