

# Proposed Method for Incorporating S-333N to Shark River Slough Long-Term Level Compliance Calculation

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Technical Oversight Committee

*by:*

**Jonathan Madden, P.E.**  
**SFWMD**

**Phone:** 561-682-2617

**Email:** [jmadden@sfwmd.gov](mailto:jmadden@sfwmd.gov)

# Objective

- To provide a proposal and facilitate update of the Appendix A Shark River Slough calculation method for interim tracking and annual compliance, incorporating S-333N structure flows from WCA-3 to Shark River Slough.

# S-333 and S-333N Operation

- Gated spillways from L-67A to L-29 for delivery to ENP
- S-333N operation authorized per FDEP permit (CERPRA) modified December 18, 2020.
- Use in conjunction with S-333 to convey water from WCA-3A to ENP consistent with operational constraints and considerations identified in COP



# S-333 and S-333N

From downstream looking northwest to WCA-3A

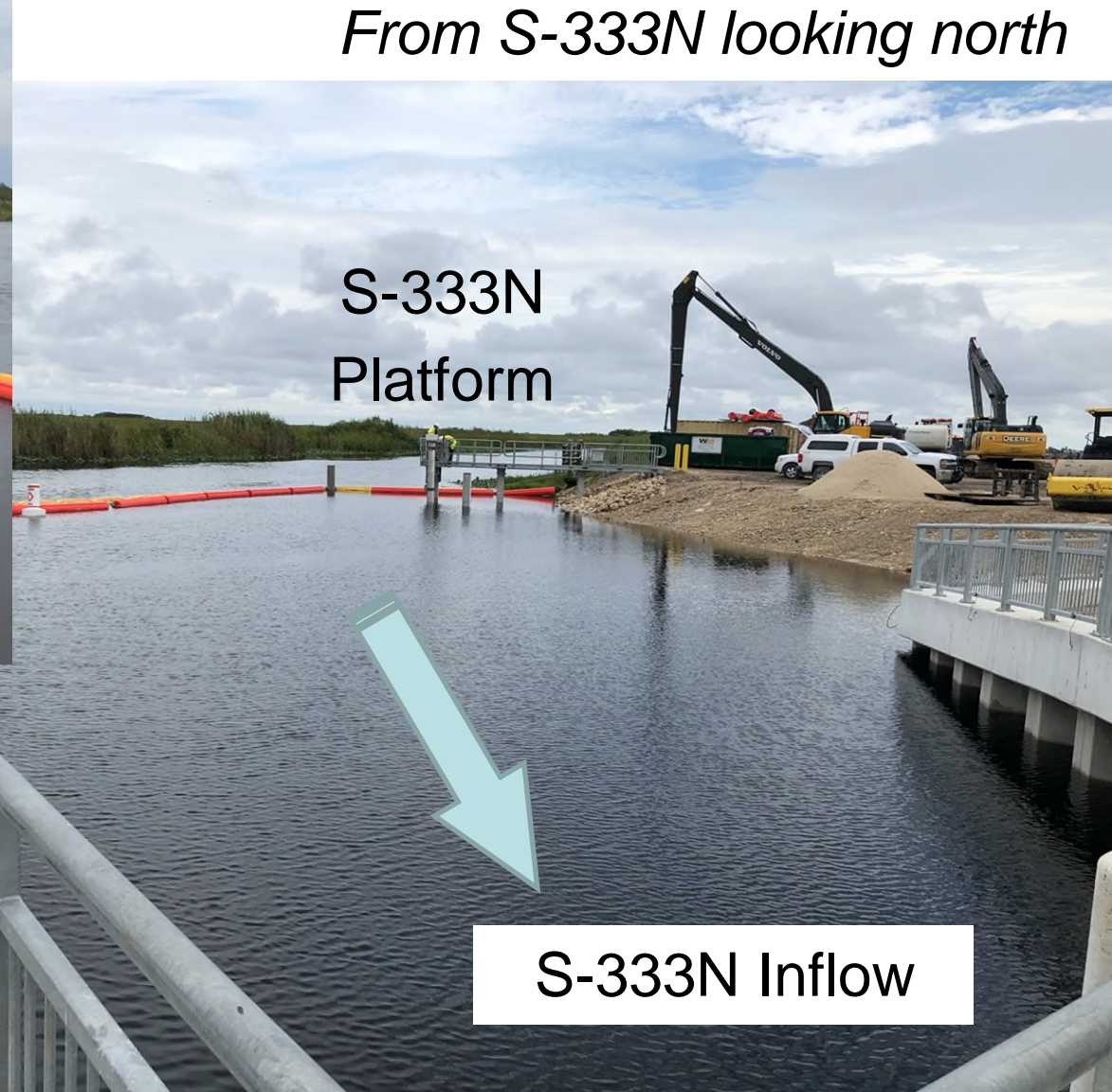


# S-333N Monitoring Location

5



*From L-67A looking south*



# Shark River Slough Compliance Proposed Method

Annual Long-term Limit (sum of all FWY days)

- Flow applied to Limit equation =  $S12s + S333 + \mathbf{S333N} + S355A + S355B + \text{MIN}(S356, S335)$

TP FWMC calculation (bi-weekly compliance sampling events):

- Volume for FWMC =  $S12s + S333 + \mathbf{S333N} + S355A + S355B + \text{MIN}(S356, S335) - S334$
- Sampling event TP FWMC = sum of the following divided by “Volume for FWMC”
  - $S12A \text{ TP} * S12A \text{ flow}; S12B \text{ TP} * S12B \text{ flow}; S12C \text{ TP} * S12C \text{ flow}; S12D \text{ TP} * S12D \text{ flow}$
  - $S333 \text{ TP} * S333 \text{ flow} * \text{fraction of L-29E inflows to SRS}$
  - **$S333N \text{ TP} * S333N \text{ flow} * \text{fraction of L-29E inflows to SRS}$**
  - $S355A \text{ TP} * S355A \text{ flow} * \text{fraction of L-29E inflows to SRS}$
  - $S355B \text{ TP} * S355B \text{ flow} * \text{fraction of L-29E inflows to SRS}$
  - $S356 \text{ TP} * \text{MIN}(S356, S335) * \text{fraction of L-29E inflows to SRS}$
  - $\text{Fraction of L-29E to SRS} = (\text{total flow to L-29} - S334) / (\text{total flow to L-29})$

# Discussion

- This presentation and accompanying handout intend to provide an option for a path forward to be considered by TOC representatives and their technical staff.
- Potential action could include a future agenda item to vote for this method or further technical dialogue, if necessary, at a future meeting.
- Questions?