

MEMORANDUM

TO: TOC Members

FROM: Mike Zimmerman

DATE: March 18, 1999

RE: Tracking Phosphorus Inflows to Everglades National Park

The Consent Decree requires that phosphorus inflows be monitored in both Everglades National Park and Loxahatchee National Wildlife Refuge. Appendix A of the Consent Decree describes the phosphorus limits for the inflows into Everglades National Park. The inflows are divided into the Shark River Slough drainage system (Attachment I) and the Taylor Slough / Coastal Basins (Attachment II). The Shark River Slough phosphorus limits are calculated from the flow-weighted-mean concentration of inflows to Shark River Slough composited across all structures. This includes S-12A, S-12B, S-12C, S-12D, S-333, and **any subsequent inflow points from the WCAs established in the future.**

Under a project called "Modified Water Deliveries to Everglades National Park," The US Army Corps of Engineers has finished construction of two structures, S-355 A and B in the L-29 Levee on the southern boundary of WCA-3B. S-333, and S-355 A and B will be discharging water into the L-29 Barrow Canal on the southside of the levee. Water in the L-29 Barrow Canal will flow south through twenty 24 inch culverts under Tamiami Trail into Northeast Shark Slough (ENP) or flow east through S-334 into the Dade County Conveyance System.

The US Army Corps of Engineers has proposed an "Emergency Operations for the 1999 Cape Sable Seaside Sparrow Breeding Season" during which they will be routing water away from western Shark River Slough. They plan to pass water from WCA-3A into WCA-3B through gaps in the L-67 levee. S-355 A and B will pass this water into the L-29 Barrow Canal where it will enter either NESS or the Dade County Conveyance System.

For consistency, TOC members agree to modify the inflow structures used to determine the phosphorus limits for the inflows to Shark River Slough. The combined flows and loads of the S-12s shall be added to the flows and loads of

S-333, S-355A and B minus the flow and load discharged from S-334 to determine the Shark River Slough limits.

Flow-weighted-mean concentration = S-12A+S-12B+S-12C+S-12D+(S-333+S-355A+S-355B-S-334).