

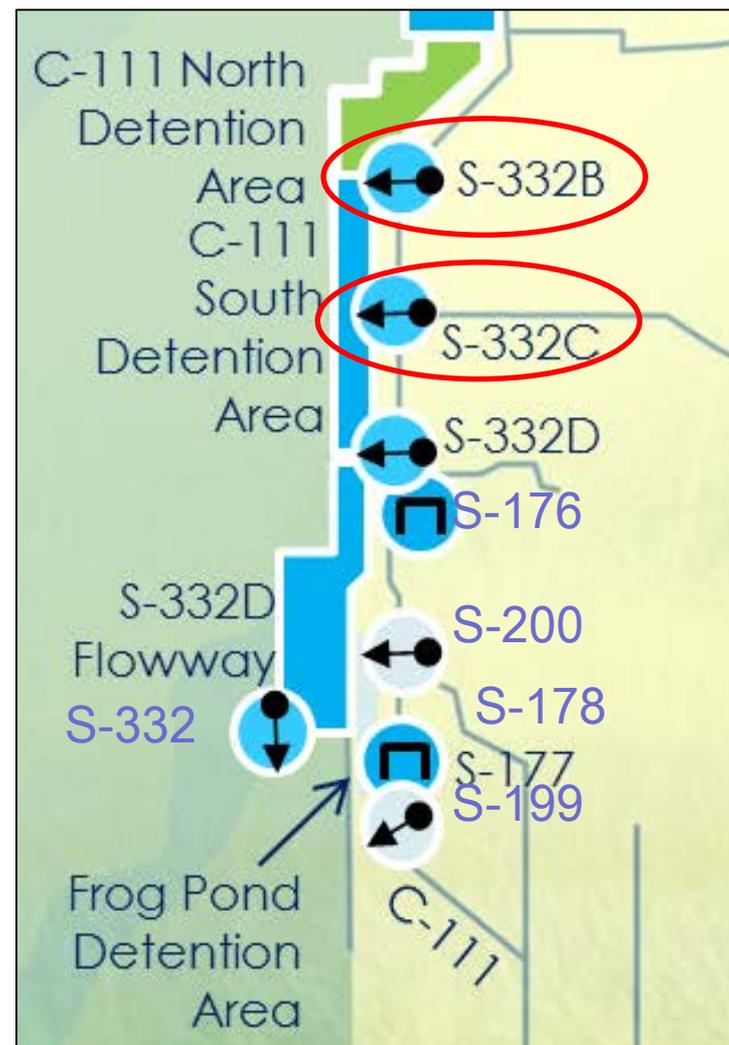


C-111 South Dade Post Authorization Change Report – Pump Stations 332B and 332C

**Matt Morrison, Federal Policy Chief
Everglades Policy & Coordination
Water Resource Advisory Commission Meeting
August 4, 2016**

Background

- C-111 South Dade Project Cooperation Agreement
 - Executed on January 13, 1995
 - Established framework between South Florida Water Management District (SFWMD) and U.S. Army Corps of Engineers (USACE) for construction, operation and maintenance of the C-111 South Dade Project, including pump stations S-332B and S-332C
 - 50:50 federal - non-federal cost-share for design and construction
 - 60:40 federal - non-federal cost-share for operations and maintenance of pump stations



Pump Stations S-332B and S-332C

- Pump station design and construction was expedited by the USACE to meet federal responsibilities under the 1999 U.S. Fish and Wildlife Service jeopardy biological opinion for the Cape Sable Seaside Sparrow
- Temporary pump stations S-332B and S-332C were constructed instead of permanent facilities
 - Pump stations do not meet SFWMD standards
 - Pump stations have exceeded their life expectancy and frequently require costly repairs
 - SFWMD 2016 infrastructure inspection report indicated the pumps have serious deficiencies and are on an accelerated path of deterioration

S-332B and S-332C Inspection Report Items

- Holes and voids in pump concrete aprons
- Impeller damage, section loss, clearance tolerances
- Discharge gate and pipe corrosion



S-332C Temporary Pump Station



S-332B Temporary Pump Station

- Control room concrete roof cracks and spalling
- Control panel corrosion
- Poor ventilation
- Lack of noise abatement

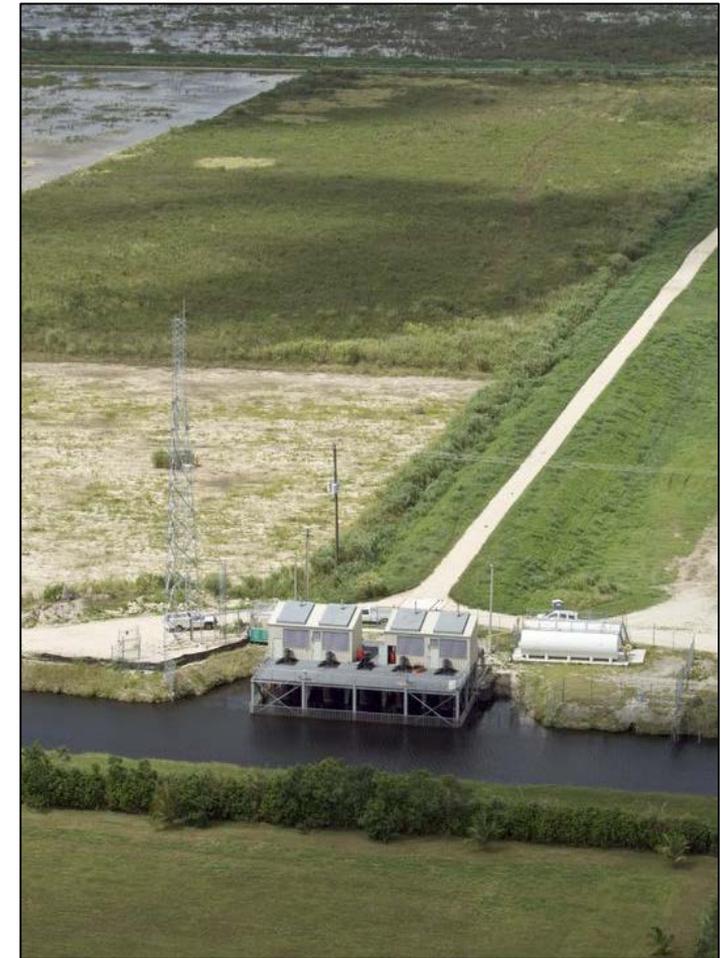
Permanent Pump Station



S-332D Permanent Pump Station

Post Authorization Change Report

- Project Cooperation Agreement amendment executed on August 14, 2014 identified the need for SFWMD and USACE to enter into an agreement to prepare a Post Authorization Change Report to seek Congressional authorization to replace temporary pump stations with permanent facilities
- Study and report preparation are estimated to take two years to complete and cost \$1.7 million



S-332B Pump Station



Discussion