

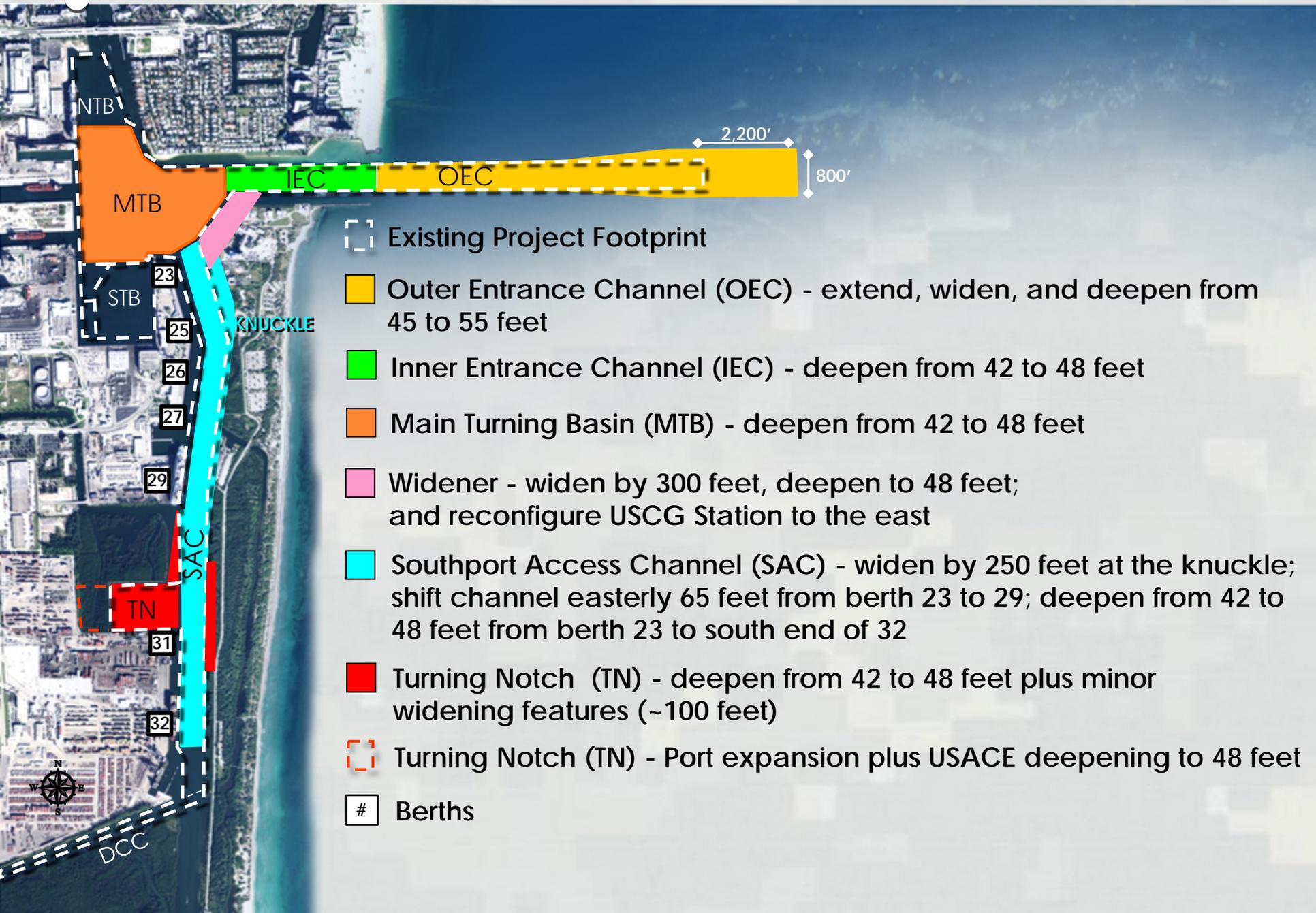
PORT EVERGLADES NAVIGATION IMPROVEMENT PROJECT BROWARD COUNTY, FLORIDA

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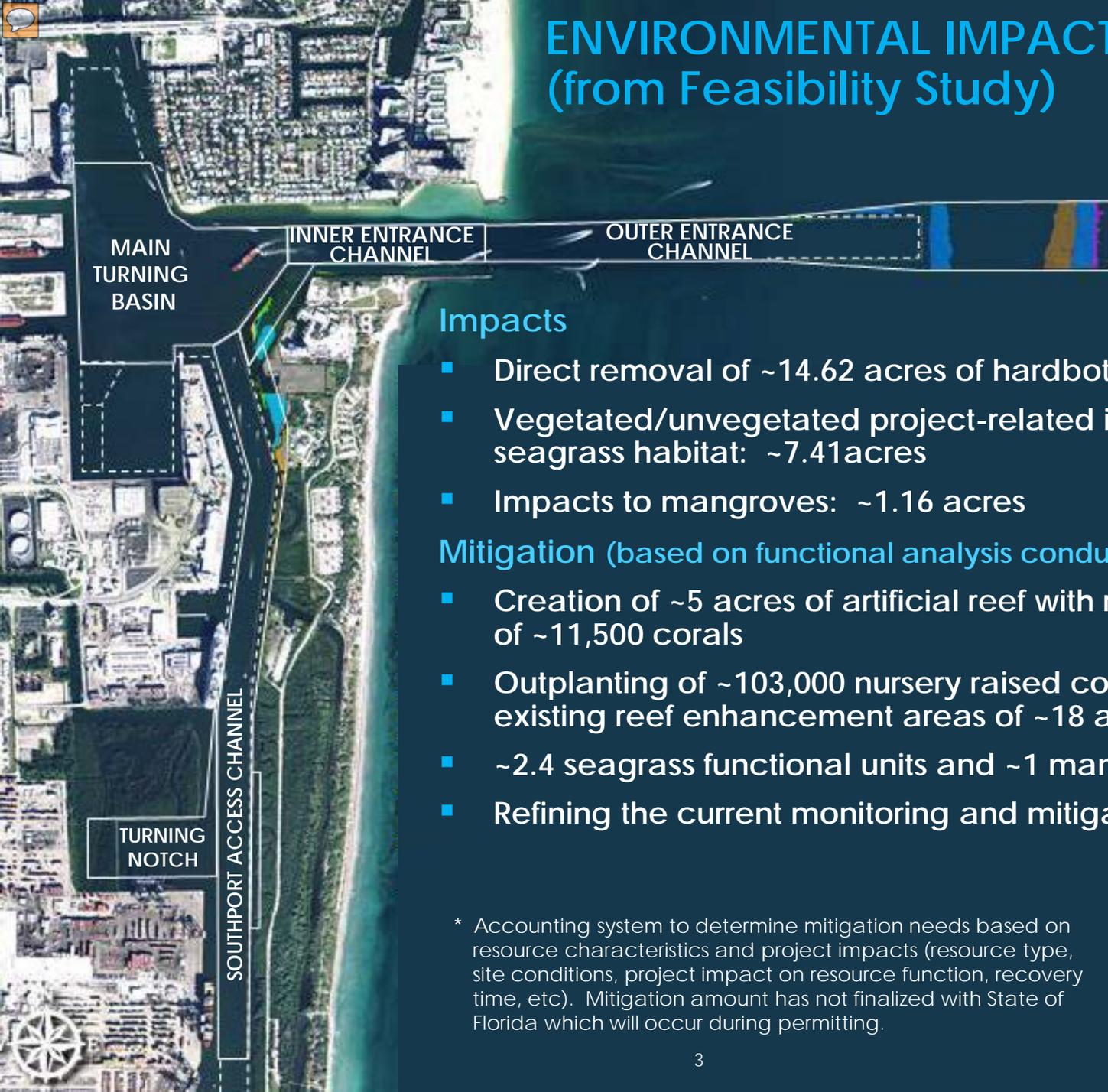


PORT EVERGLADES



- Existing Project Footprint
- Outer Entrance Channel (OEC) - extend, widen, and deepen from 45 to 55 feet
- Inner Entrance Channel (IEC) - deepen from 42 to 48 feet
- Main Turning Basin (MTB) - deepen from 42 to 48 feet
- Widener - widen by 300 feet, deepen to 48 feet; and reconfigure USCG Station to the east
- Southport Access Channel (SAC) - widen by 250 feet at the knuckle; shift channel easterly 65 feet from berth 23 to 29; deepen from 42 to 48 feet from berth 23 to south end of 32
- Turning Notch (TN) - deepen from 42 to 48 feet plus minor widening features (~100 feet)
- Turning Notch (TN) - Port expansion plus USACE deepening to 48 feet
- # Berths

ENVIRONMENTAL IMPACTS & MITIGATION (from Feasibility Study)



Impacts

- Direct removal of ~14.62 acres of hardbottom/reef habitat
- Vegetated/unvegetated project-related impacts to seagrass habitat: ~7.41 acres
- Impacts to mangroves: ~1.16 acres

Mitigation (based on functional analysis conducted jointly with NMFS*)

- Creation of ~5 acres of artificial reef with relocation of ~11,500 corals
- Outplanting of ~103,000 nursery raised corals to existing reef enhancement areas of ~18 acres
- ~2.4 seagrass functional units and ~1 mangrove functional unit
- Refining the current monitoring and mitigation plan

* Accounting system to determine mitigation needs based on resource characteristics and project impacts (resource type, site conditions, project impact on resource function, recovery time, etc). Mitigation amount has not finalized with State of Florida which will occur during permitting.

COST:

TOTAL MITIGATION & MONITORING: \$52.8 M
(Includes over 26% contingency)

Mitigation for mangrove, Seagrass, Artificial Reef and Coral Propagation

CURRENT PROJECT STATUS

Authorization (Pending):

- In current version of the Water Resources Development Act of 2016

Feasibility (Study) Phase Completed

Preconstruction Engineering and Design (PED) Phase:

- Initiated: September 2015
- Complete: December 2017

PED Environmental Actions Ongoing:

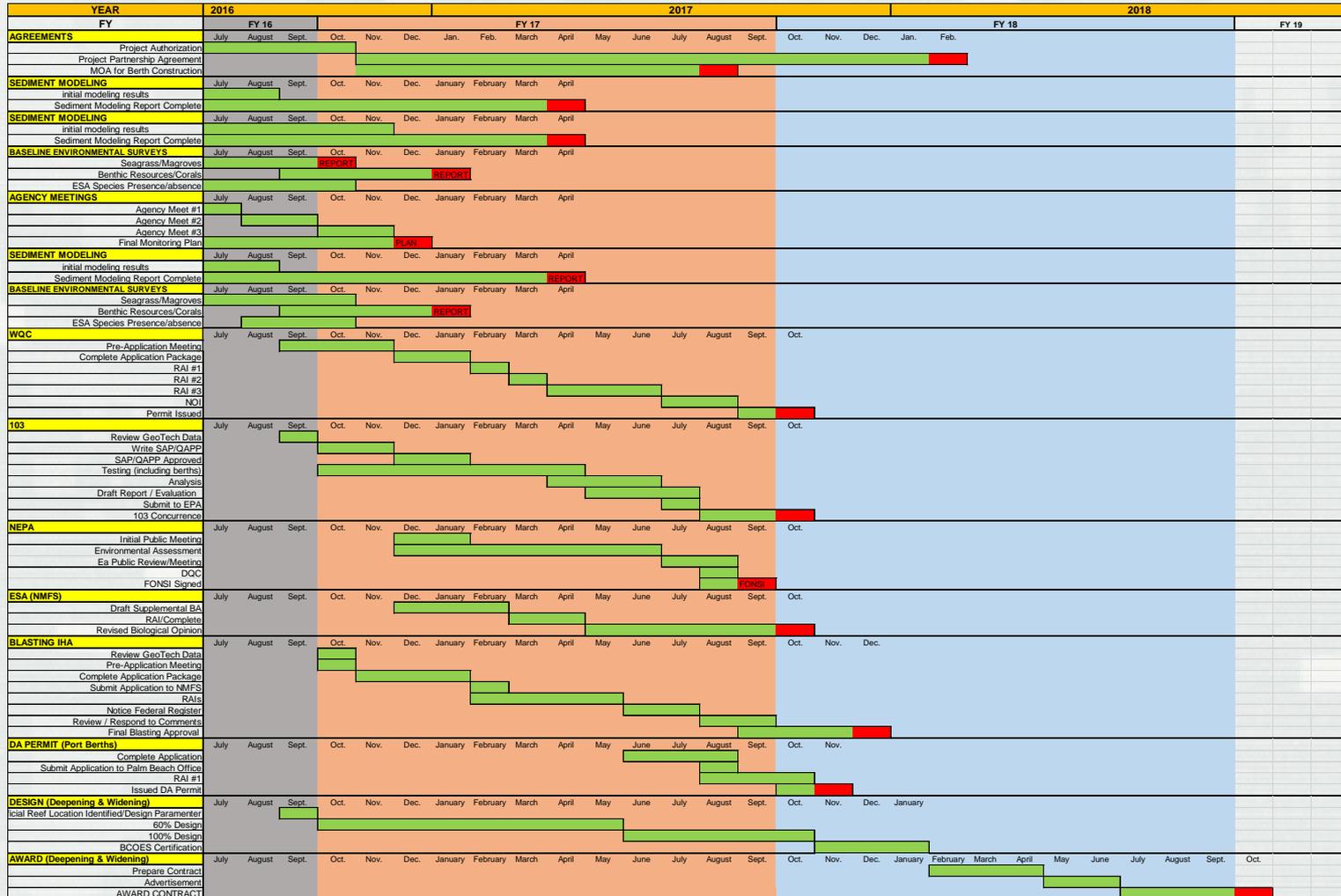
- Supplement ESA Consultation (December 2017 complete)
- Sediment Transport Modeling (Initial November 2016/Final April 2017)
- Section 103 for ODMDS disposal (to EPA August 2017/complete October 2017)
- Baseline Environmental Surveys (Immediately following Monitoring Plan Generation)
- IHA for blasting (December 2017)
- Additional NEPA analysis (December 2017)
- Water Quality Permit (December 2017)

Construction Phase (Subject to Authorization and Appropriations):

- USCG Facility: June 2018-December 2020
- Deepening & Widening: October 2018-December 2023



PROJECT SCHEDULE



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