US Army Corps
of Engineers
Jacksonville District

FY 2008 and beyond

the future of federal beach funding

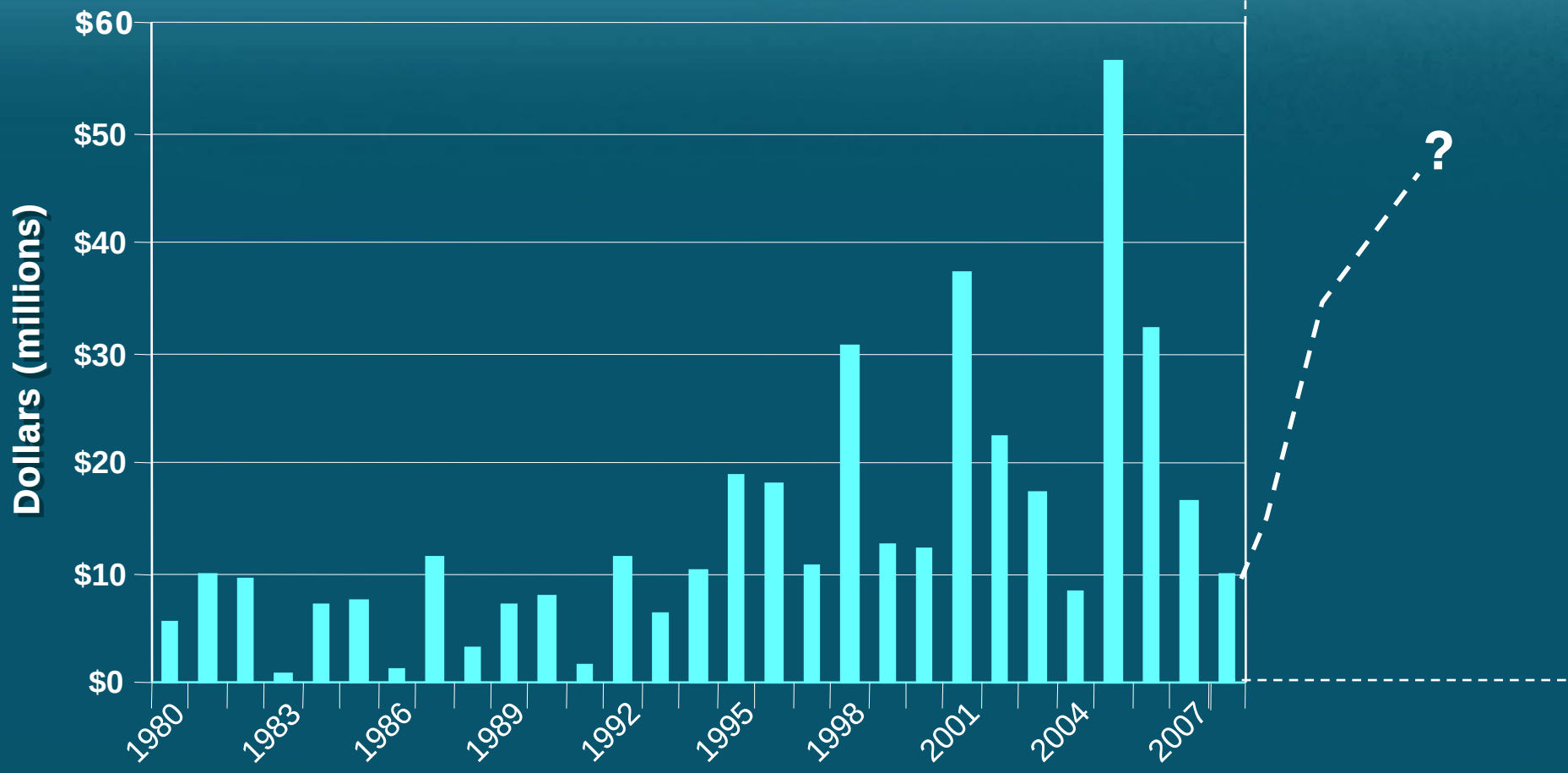
2008 Florida Shore and Beach Preservation Association Conference

presented by:
Colonel Paul Grosskruger,
U.S. Army Corps of Engineers, Jacksonville District

FLAGLER
BEACH

Florida Shore Protection Program

Allocated Funding for Florida Beach Projects
FY 1980 - 2008



Examples of Funding Variables: Completed Studies - Renourishment Cycles Storms - Congressional Ads - President's Budget

INCREASED
FUEL COSTS

REAL ESTATE
VALUES

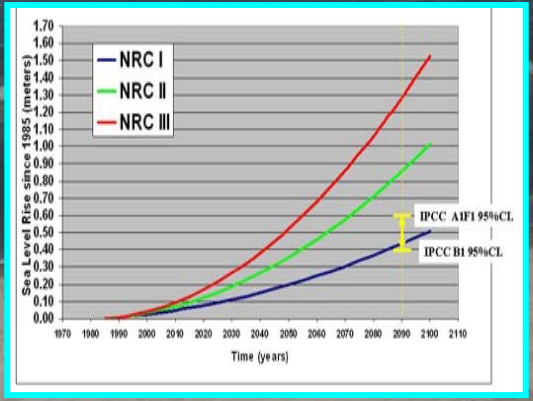
Current Trends

SAND SOURCES

EQUIPMENT
AVAILABILITY

ENVIRONMENTAL
REQUIREMENTS

RISING
SEA LEVELS



Sustainability

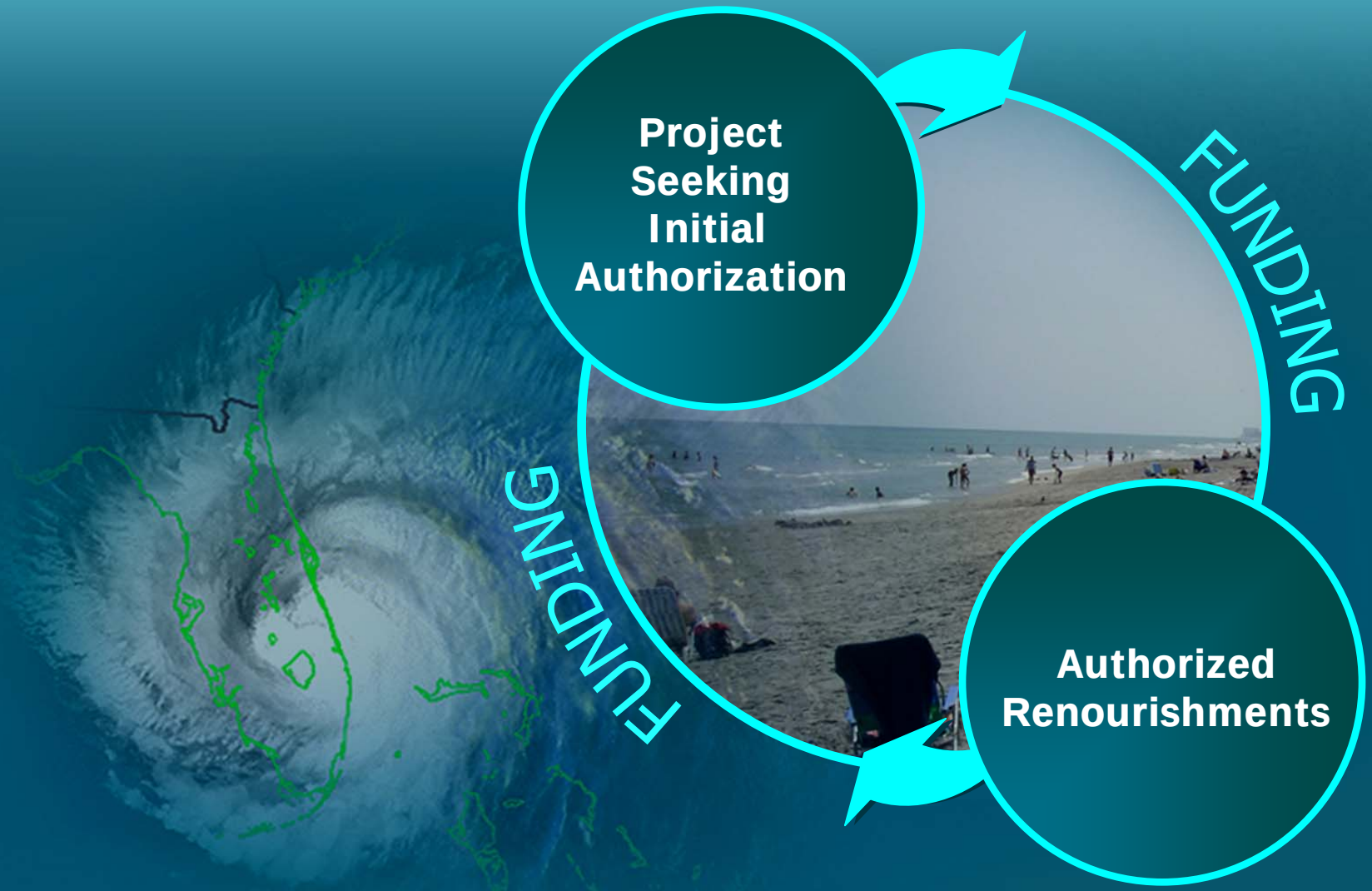
A synergistic corporate-wide process whereby:

- environmental (ecological), economic and quality of life considerations are effectively balanced over the entire life-cycle of an activity
- collaboration with federal and non-federal partners on watershed or basin scales
- needs of present generation are met without compromising those of future generations

Fundamental to this process is the recognition that our natural resources are finite and must be sustained in a manner that allows future generations to also benefit from their services.

Sustainable Shore Protection Program AND Funding

1) Actively assess and communicate needs
2) Knowledge of local, state and federal processes; ensure depth of knowledge
3) Pursue sustainable projects
   - Coordination
   - Design
   - Research



1 NEEDS: Assessment • Communication

STEP 1

LOCAL SPONSOR OR STATE PERCEPTION OF PROBLEM OR OPPORTUNITY

CONTACT WITH CORPS

STUDY AUTHORITY?

NO

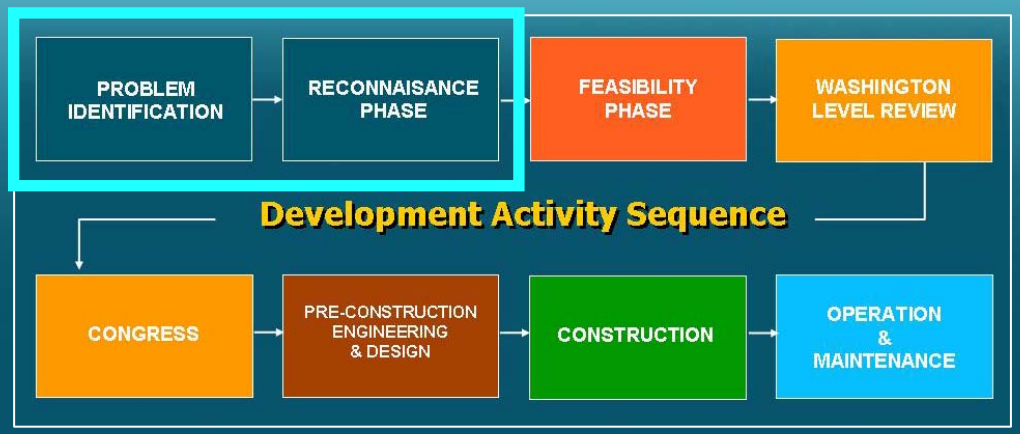
SPONSOR CONTACTS LOCAL CONGRESSIONAL DELEGATION

* Budget must be approved by Congress

CONGRESS PROVIDES STUDY AUTHORIZATION

YES

CORPS REQUESTS RECONNAISSANCE STUDY IN BUDGET*



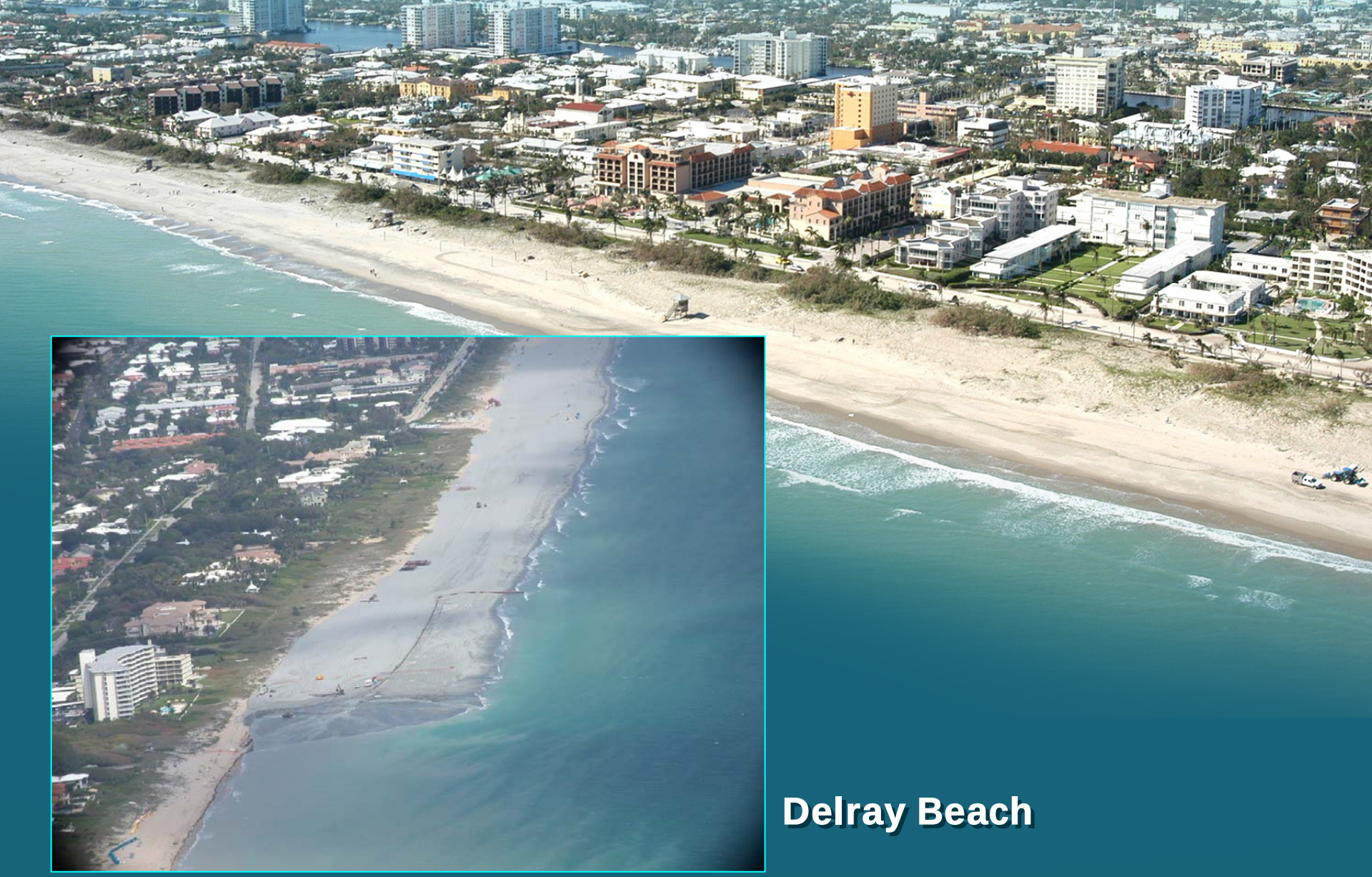
2 PROCESSES: Local • State • Federal

Development Activity Sequence

PROBLEM IDENTIFICATION → RECONNAISANCE PHASE → FEASIBILITY PHASE → WASHINGTON LEVEL REVIEW → CONGRESS → PRE-CONSTRUCTION ENGINEERING & DESIGN → CONSTRUCTION → OPERATION & MAINTENANCE

An objective and thorough analysis of scientific, environmental and economic information

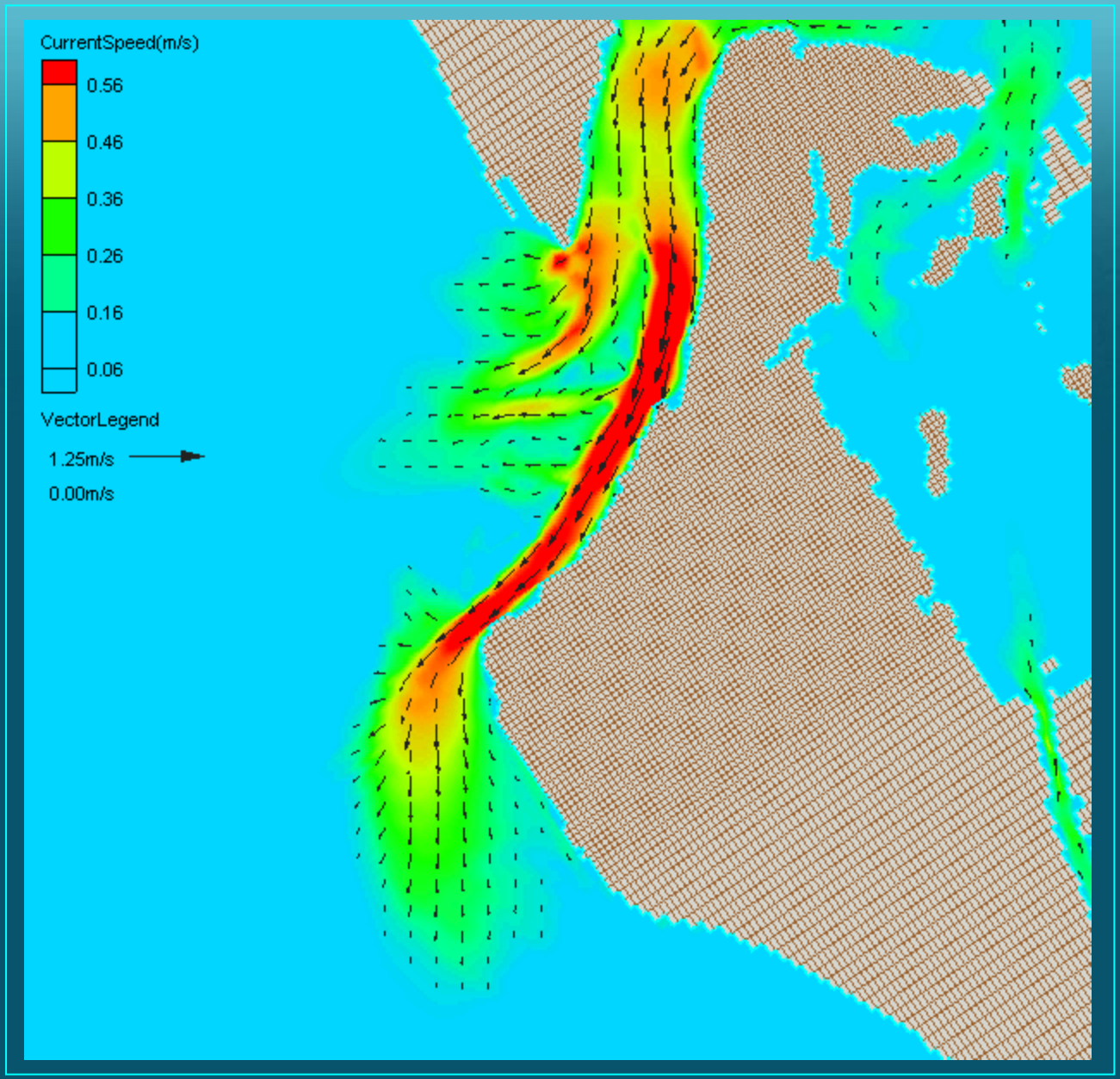
2 PROCESSES: Local • State • Federal



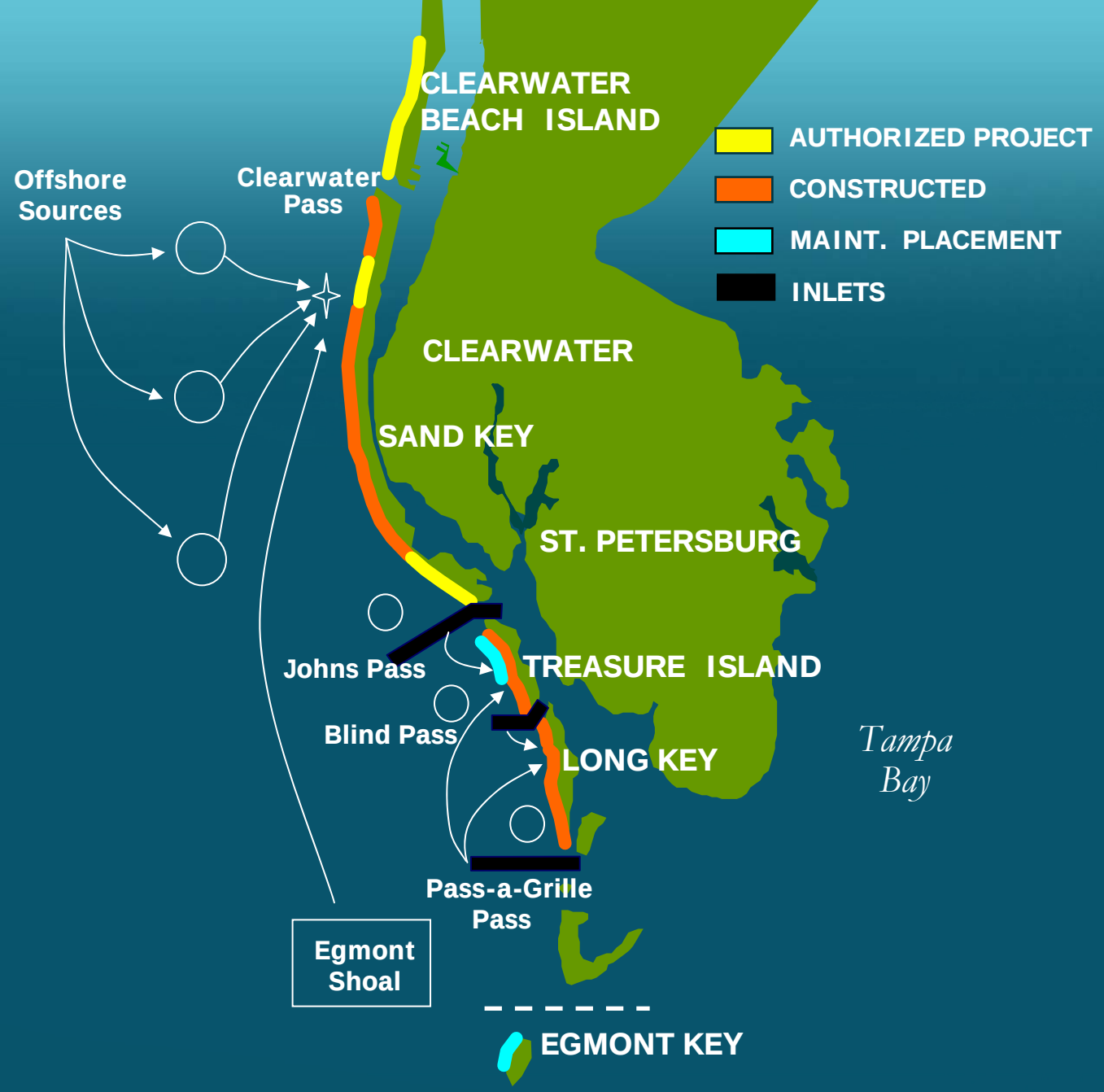
Delray Beach

SAND BYPASSING

SAND BYPASSING



OPERATIONAL REGIONAL SEDIMENT STUDIES



PINELLAS COUNTY

Renourish Sand Key with offshore sources every 5 years

Renourish Treasure Island with Johns Pass, and Long Key with Blind Pass, every 6-7 years

Renourish Treasure Island and Long Key with Pass-a-Grille Pass every 6-7 years

Renourish with outer ebb shoals only in emergency

REGIONAL SEDIMENT MANAGEMENT

MODIFIED DESIGN MINIMIZING ENVIRONMENTAL IMPACTS

SECTION 227 PROJECTS

Flagler Beach

Jacksonville Harbor

ECONOMIC JUSTIFICATION & VALUE ENGINEERING

CONSTRUCTION COST SAVINGS

ALTERNATIVE SAND SOURCES

Neptune Beach

STORM EVENT – TROPICAL STORM FAY COASTAL IMPACTS

STORM EVENT – TROPICAL STORM FAY BEACH ASSESSMENT

STORM EVENT – TROPICAL STORM FAY RECENT CONSTRUCTION PERFORMANCE

Tropical Storm Fay

Summary

Sustainable Projects

Sustainable Funding

Sustainable Program

Visit our website at:

www.saj.usace.army.mil/Divisions/ProgramProjectMgt/Branches/CoastNavAnt/