

Project Update

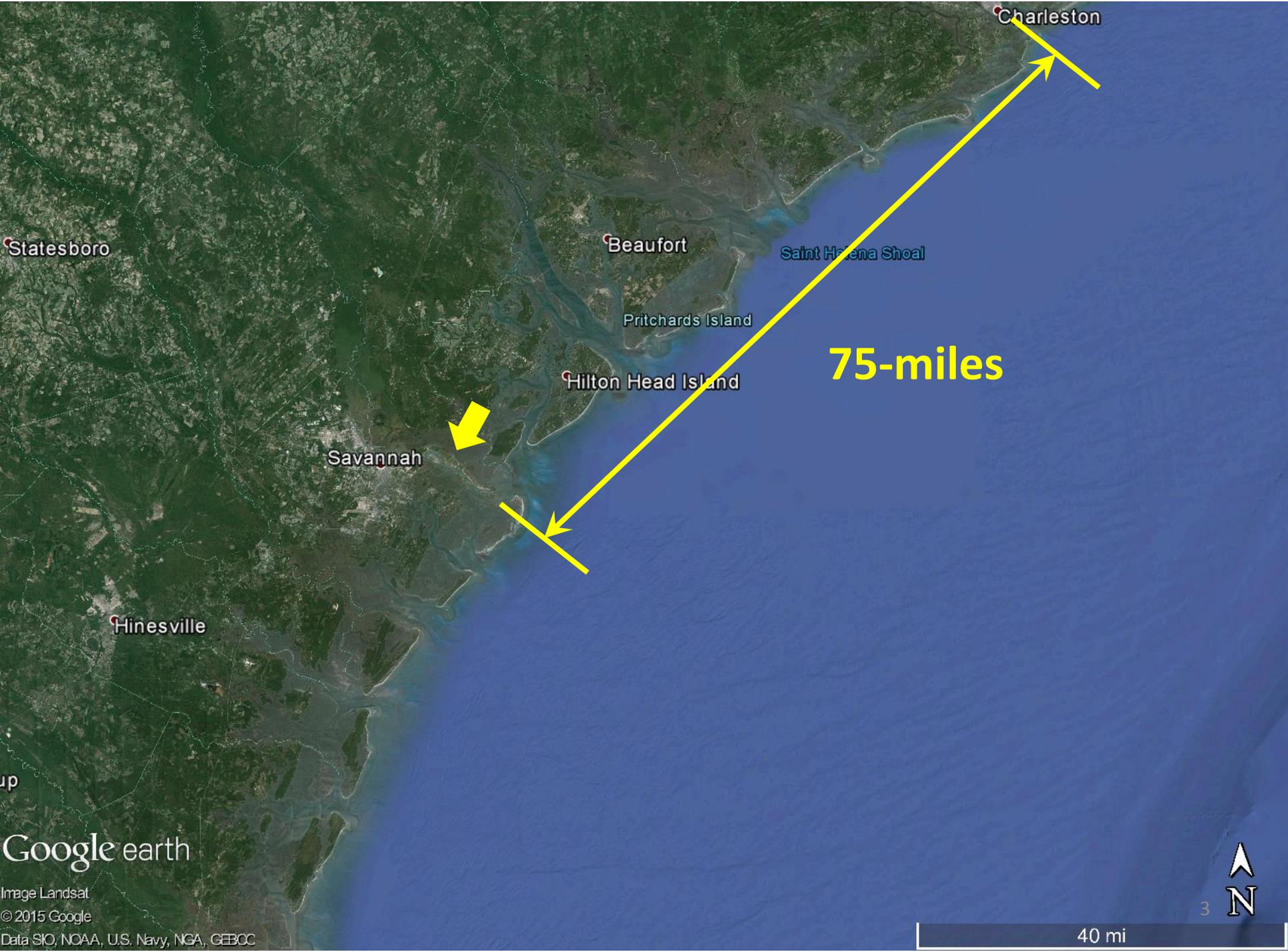


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December 2, 2015

Agenda

- Update on work completed since 2007
- Update on Fiscal Year 2016 Work Plan
- Review schedule and process
- Present proposed project



Charleston

Statesboro

Beaufort

Saint Helena Shoal

Pritchards Island

Hilton Head Island

75-miles

Savannah

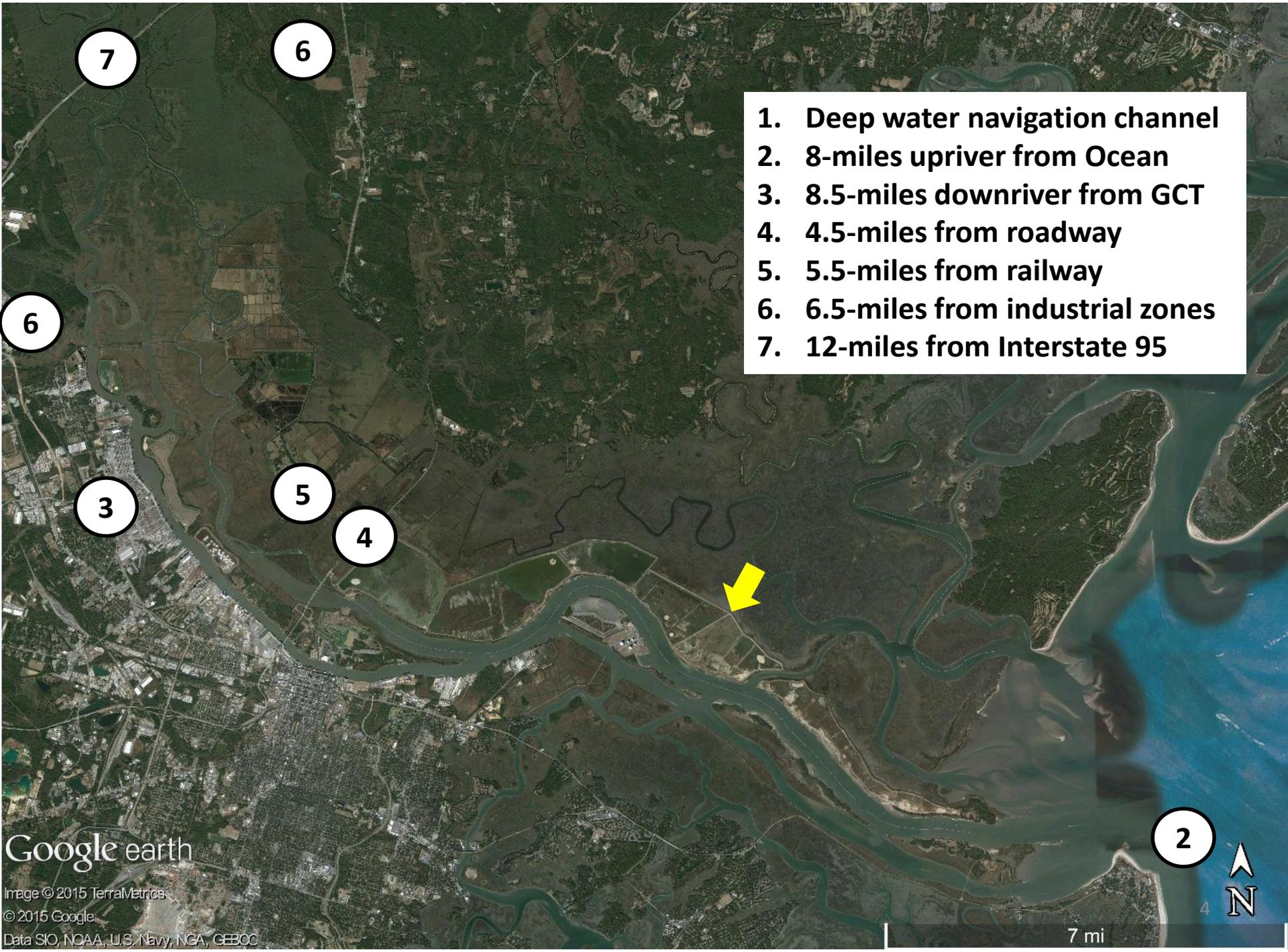
Hinesville

Google earth

Image Landsat
© 2015 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO



40 mi



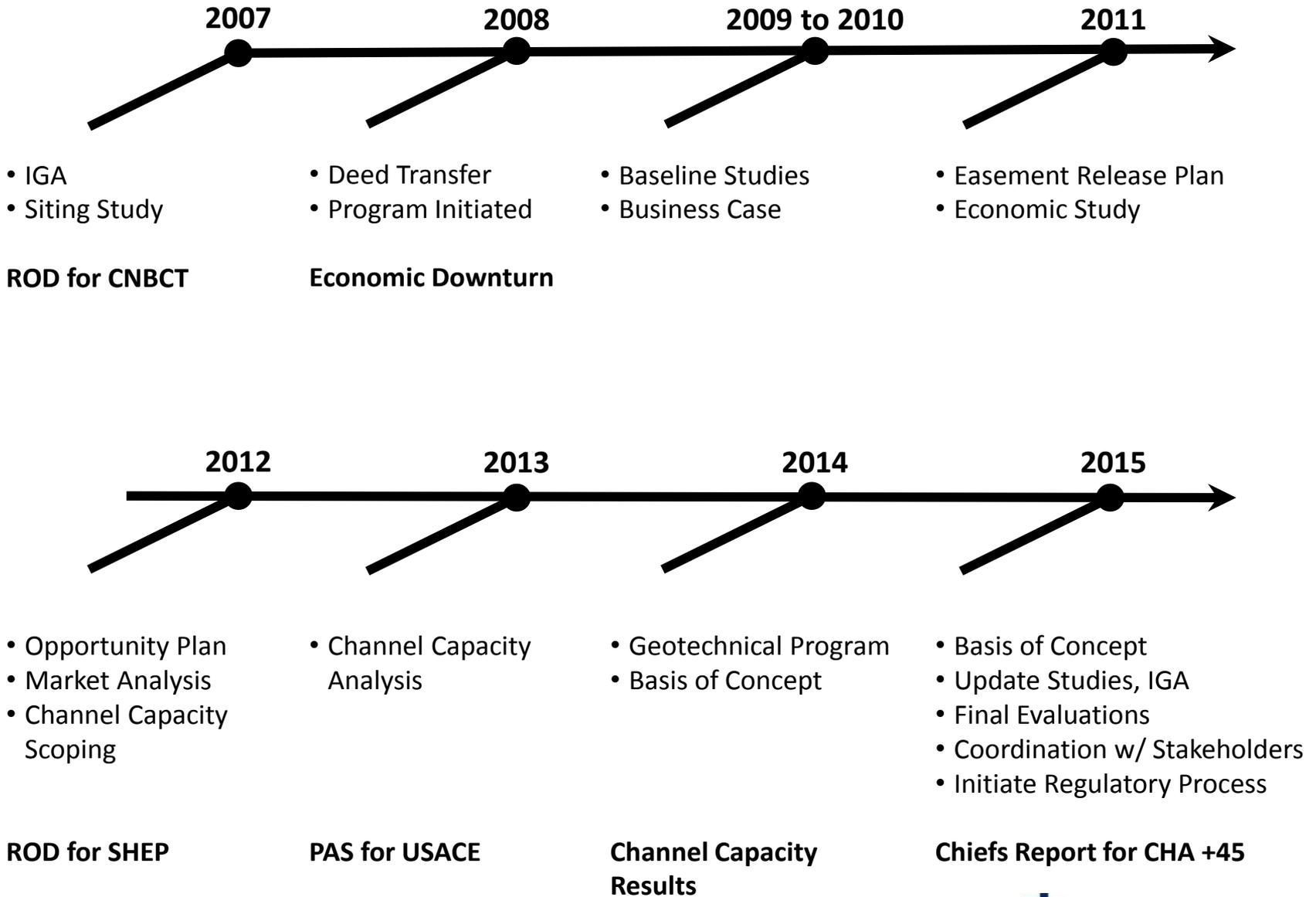
- 1. Deep water navigation channel
- 2. 8-miles upriver from Ocean
- 3. 8.5-miles downriver from GCT
- 4. 4.5-miles from roadway
- 5. 5.5-miles from railway
- 6. 6.5-miles from industrial zones
- 7. 12-miles from Interstate 95

Google earth



Update on work completed since 2007

Milestone Timeline



Update on Fiscal Year 2016 Work Plan

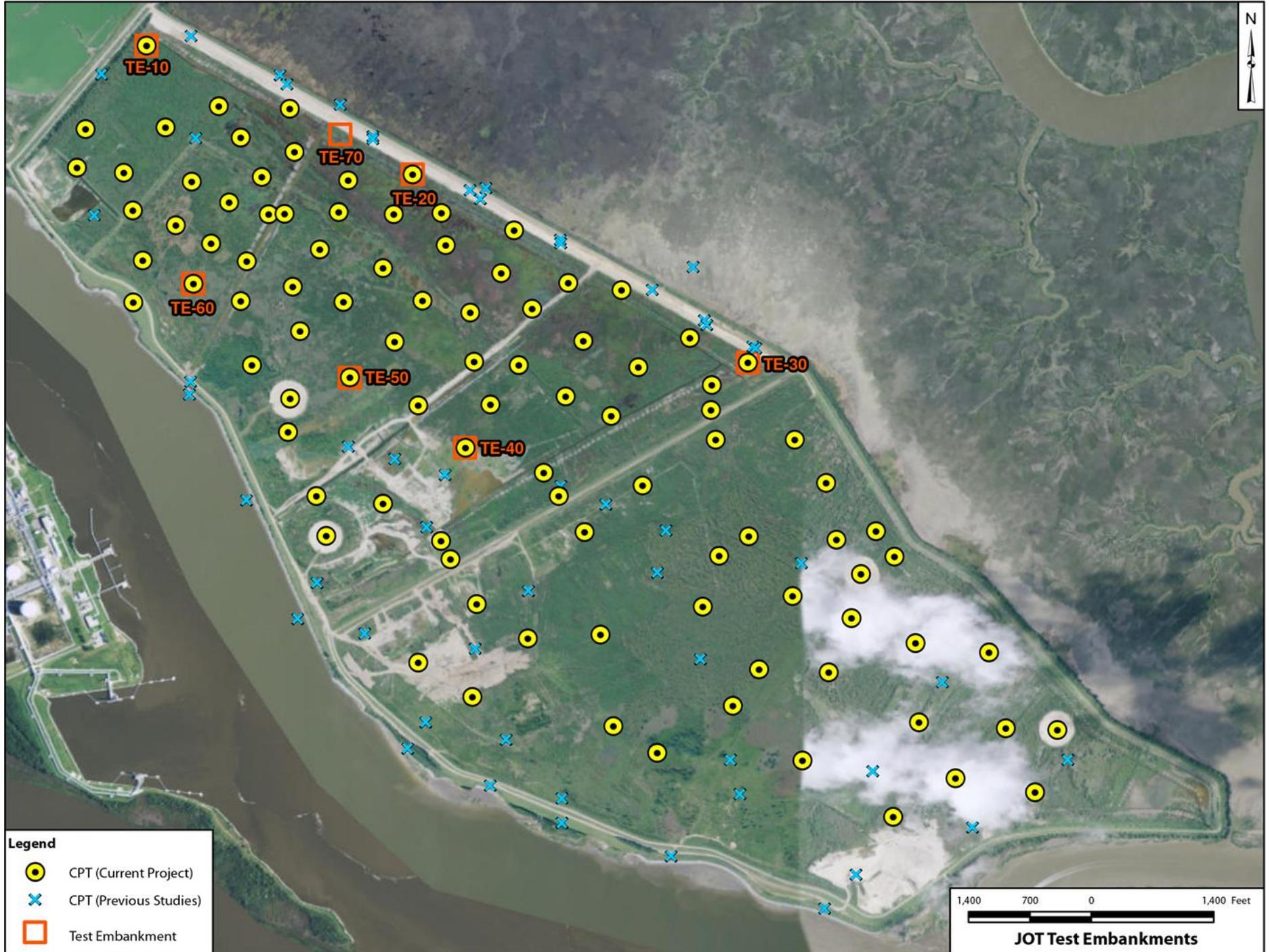
Geotechnical Analysis

Investigation for Access Corridor:

- Nationwide Permit Completed
- Rear Dikes Cleared of Underbrush & Vegetation
- FOIA for Data from USACE Fulfilled
- Twelve Test Sites Geolocated
- Mobilizing Equipment on November 17

Ongoing Monitoring:

- Excessive Rain Challenging Accessibility
- Continued Consolidation
- Planning for SHEP



Legend

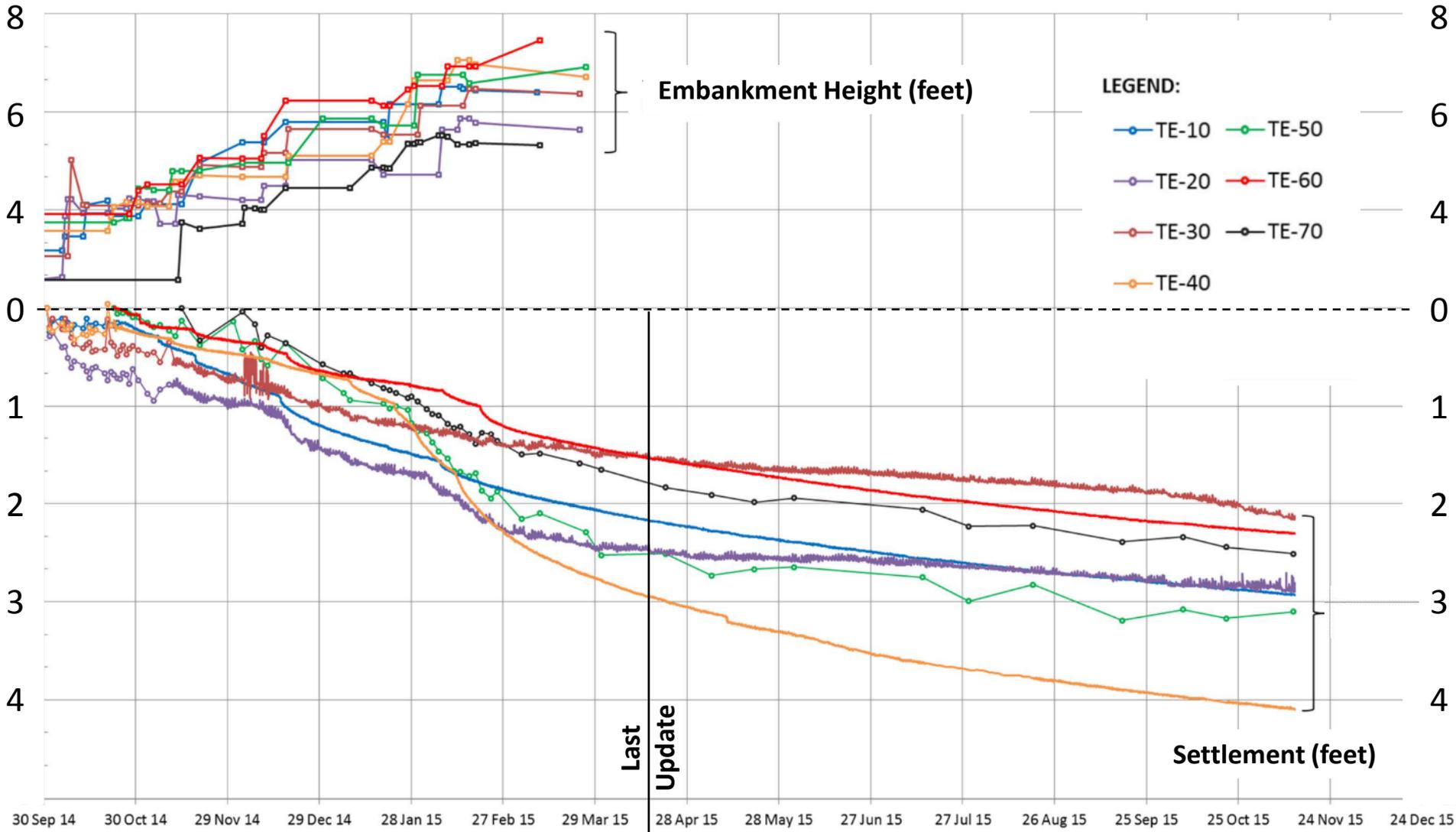
-  CPT (Current Project)
-  CPT (Previous Studies)
-  Test Embankment

1,400 700 0 1,400 Feet



JOT Test Embankments

Update on Settlement



Sediment Tracing

New Investigation for River Sediments:

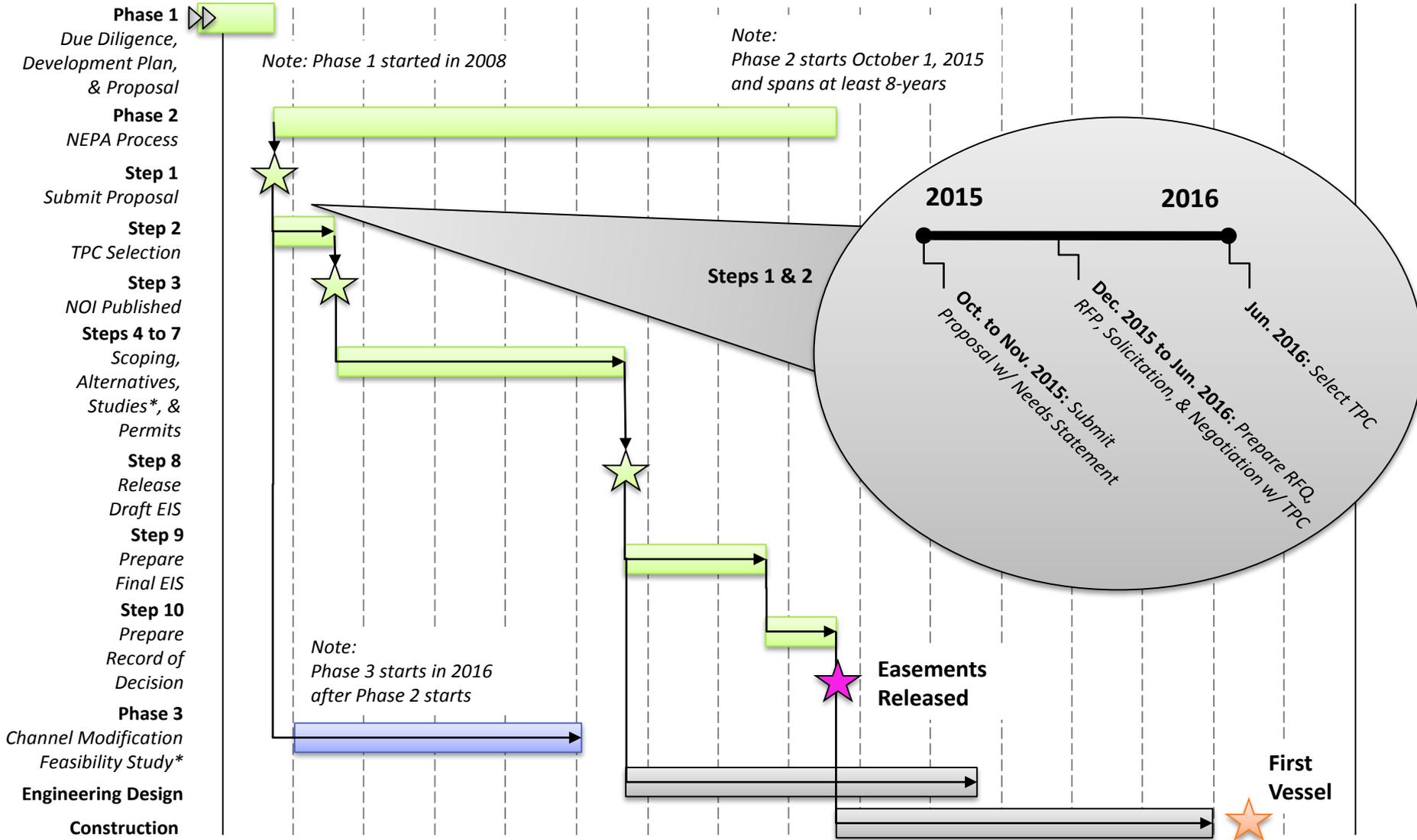
- Nationwide Permit Completed
- Coordination with USACE Completed
- Dosed at Two Transects – 11/10/15
 - Upstream Elba Island Ebb Tide
 - Downstream Elba Island Flood Tide
- Round 1 Sampling – Completed
- Round 2 Sampling – Scheduled 11/25/15



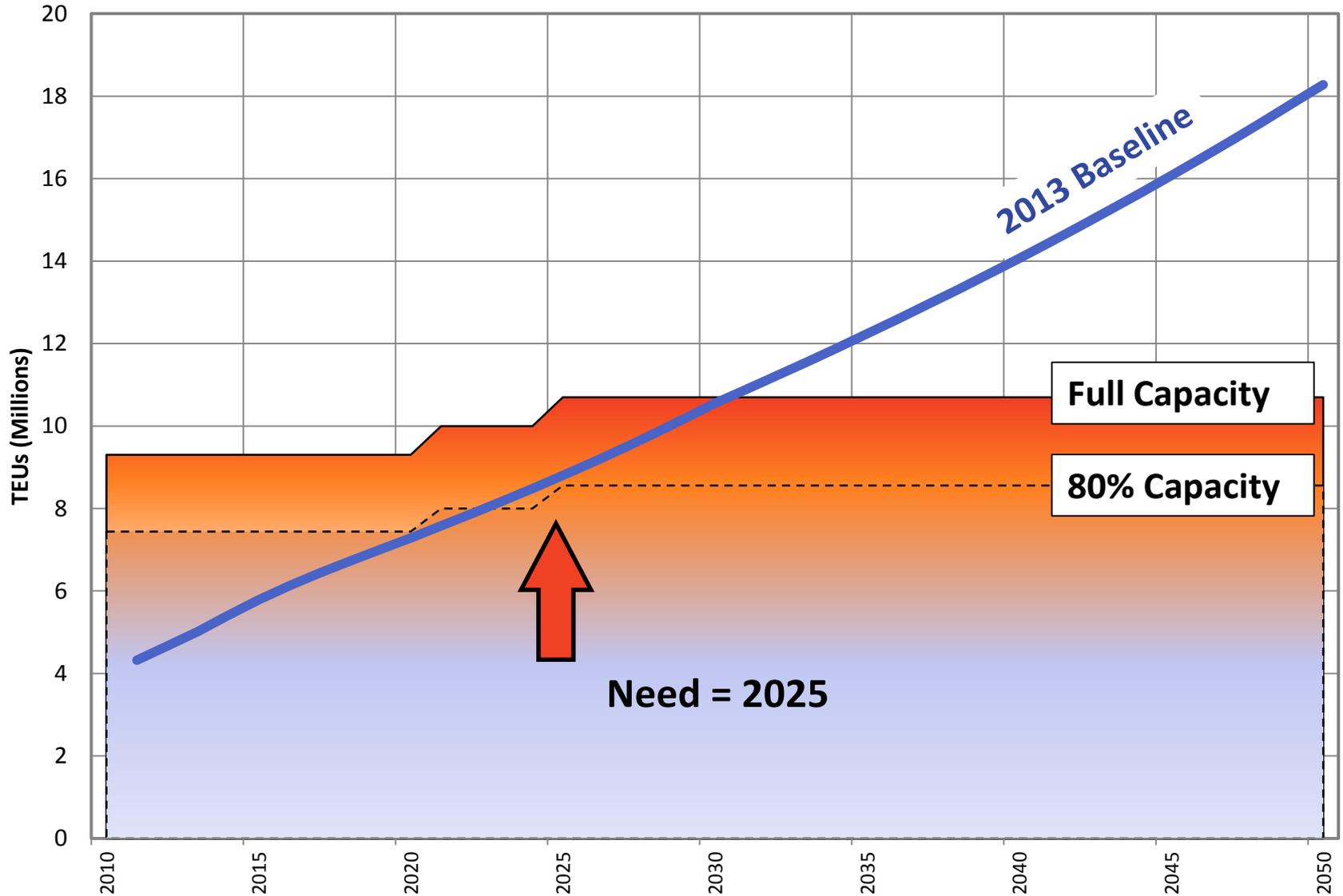
Review Schedule and Process

Jasper Ocean Terminal Development Schedule

2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030



Basis for Statement of Need



Statement of Need

“The ***forecast of cargo*** throughput over the next 35-years into the ***hinterland market region*** for both the Ports of Charleston and Savannah will result in the ***existing and planned*** marine container terminals in this region experiencing ***limitations and inefficiencies*** as early as 2025.”

Support for the Statement of Need

- 1) The following baseline information is presented for both ports:
 - a. Hinterland market area served
 - b. Historical growth for both ports
 - c. Forecasted demand for the region
 - d. Maximum theoretical capacity of existing marine terminals
- 2) Establish the base case justifying the need
 - a. Supported by strong growth in the southeastern US
 - b. Strong workforce and technical school initiatives

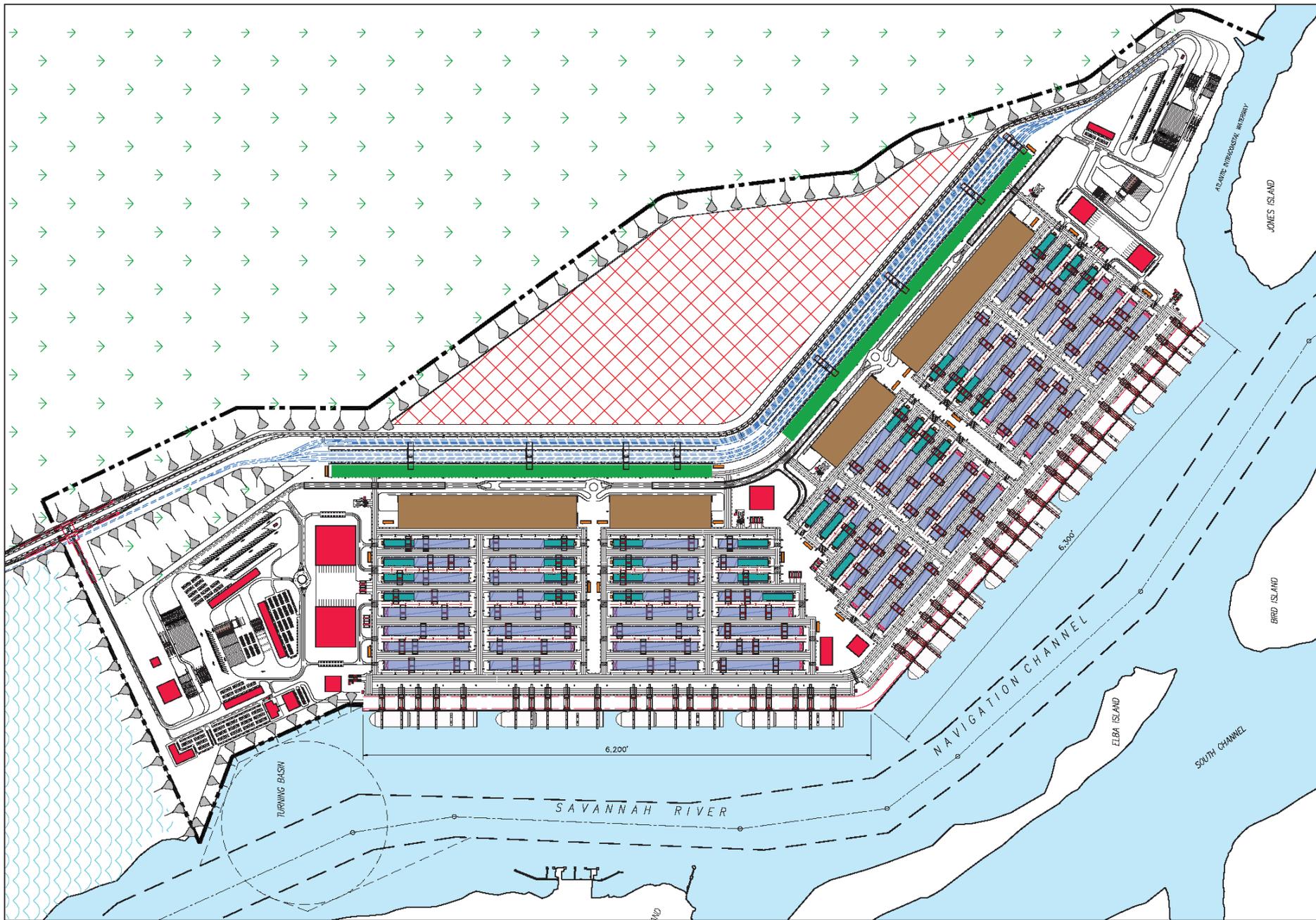
Developing the Purpose

Mission Statement for Port Authorities:

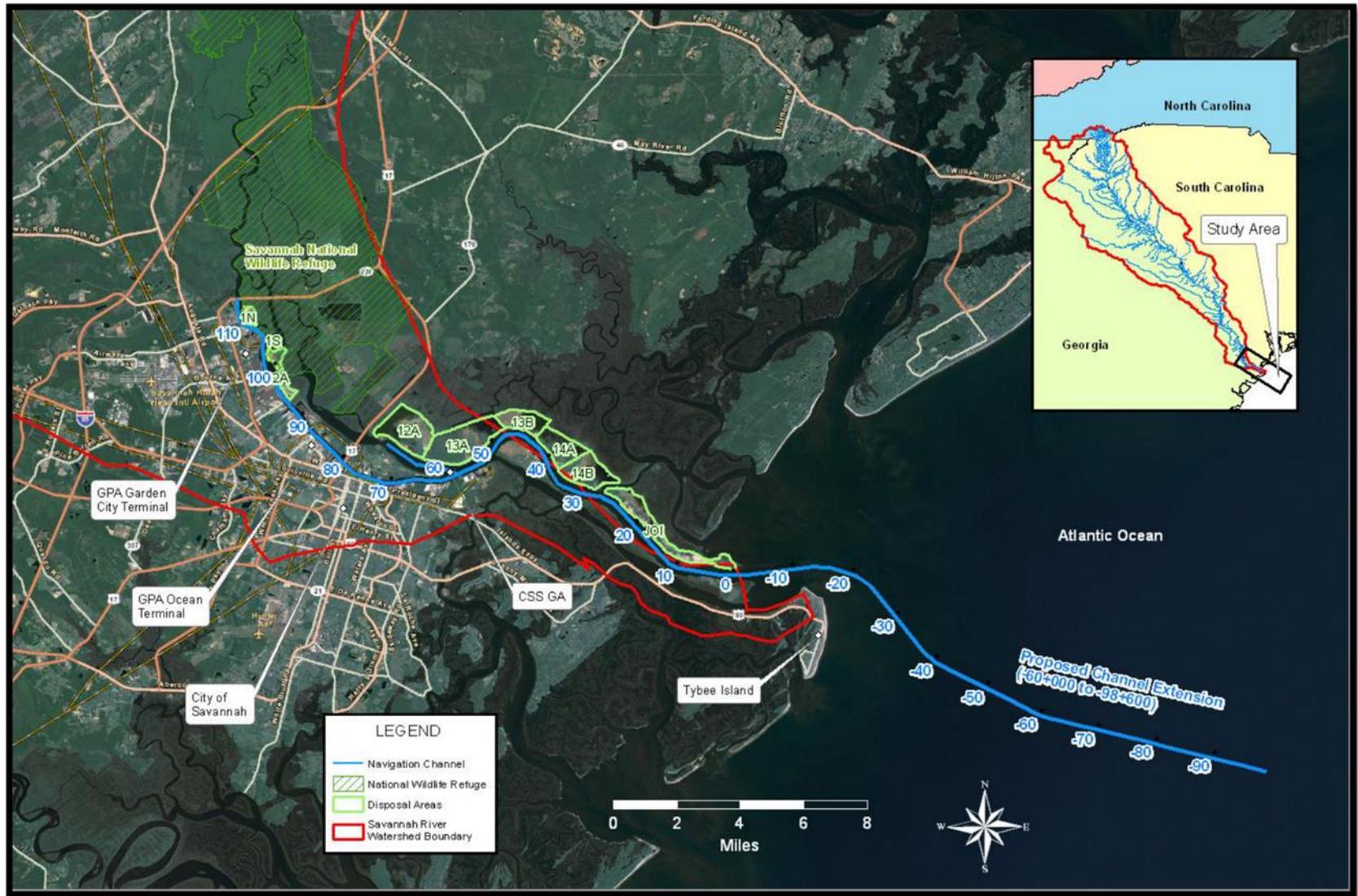
- a. GPA – “to **develop, maintain, and operate ocean and inland river ports** within Georgia; foster international trade and new industry for state and local communities; promote Georgia’s agricultural, industrial, and natural resources; and maintain the natural quality of the environment.
- b. SCPA – “The South Carolina Ports Authority (SCPA) promotes, develops and facilitates waterborne commerce to meet the current and future needs of its customers, and for the economic benefit of the citizens and businesses of South Carolina. The SCPA fulfills this mission by delivering **cost competitive facilities and services**, collaborating with customers and stakeholders, and sustaining its financial self-sufficiency.”

Purpose

“The purpose for *Jasper Ocean Terminal* is to provide a bi-state owned and operated port facility in Jasper County, South Carolina on the Savannah River that can accommodate a minimum of 25-years of projected throughput growth for containerized cargo in support of economic development for the region.”



Civil Works Project



Civil Works Project



CHEVRON
A101E 2

1

ELTZROTH
A123P

2

14A

3

ELTZROTH
A101E 1

14B

SIMPSON
A118E

4

Issues & Impacts to be Reviewed for Proposed Project & Alternatives

- | | |
|---|---|
| <ul style="list-style-type: none">• Transportation infrastructure (roadways and railways)• Water Resources/Water Quality – Surface and Groundwater• Waters of the United States including wetlands• Federally-listed threatened and endangered species• At-Risk Species• Fish and Wildlife Values• Historic Properties/Cultural Resources• Hazardous Materials and Solid Waste• Migratory Birds• Energy Use and Greenhouse Gases | <ul style="list-style-type: none">• Air Quality• Geology and Soils• Socioeconomics and Environmental Justice• Public Health and Safety• Noise and Vibration• Land Use and Zoning• Light• Visual Resources/Aesthetics• Economic Analysis• Recreation• Flood Hazards and Floodplain Values• Savannah River Wildlife Refuge |
|---|---|

End – Review Handout

Backup Follows



Vessels:

- Weekly Scheduled Calls
- Dedicated Berths
- Demand for Productivity



Container Yard:

- Handle & Store
- Sort & Consolidate



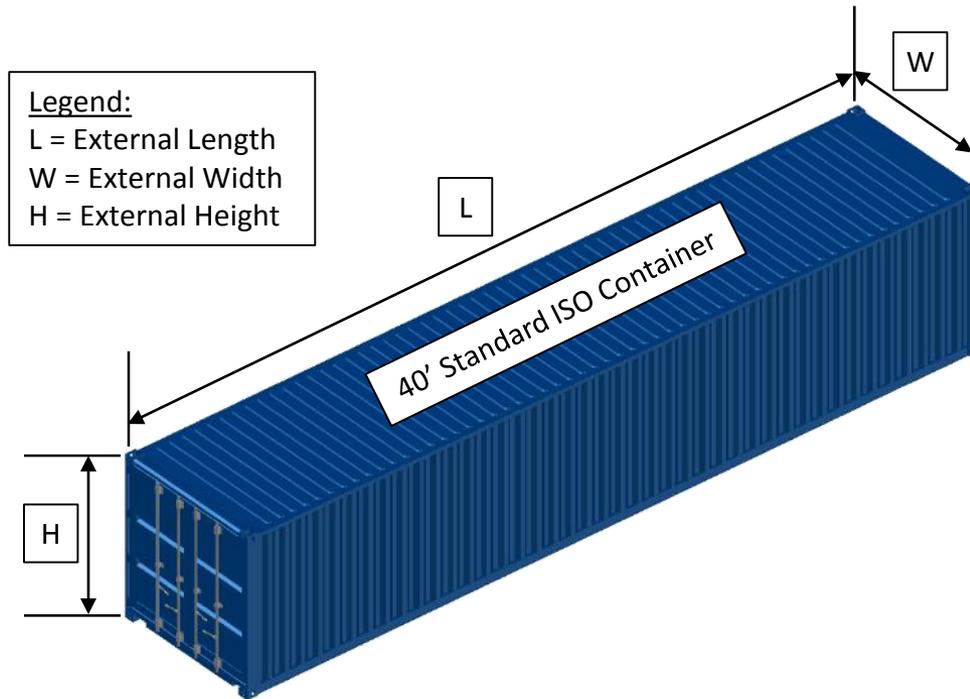
Trains:

- Regular Daily Schedules
- Unit Train Lengths
- Demand for Flexibility

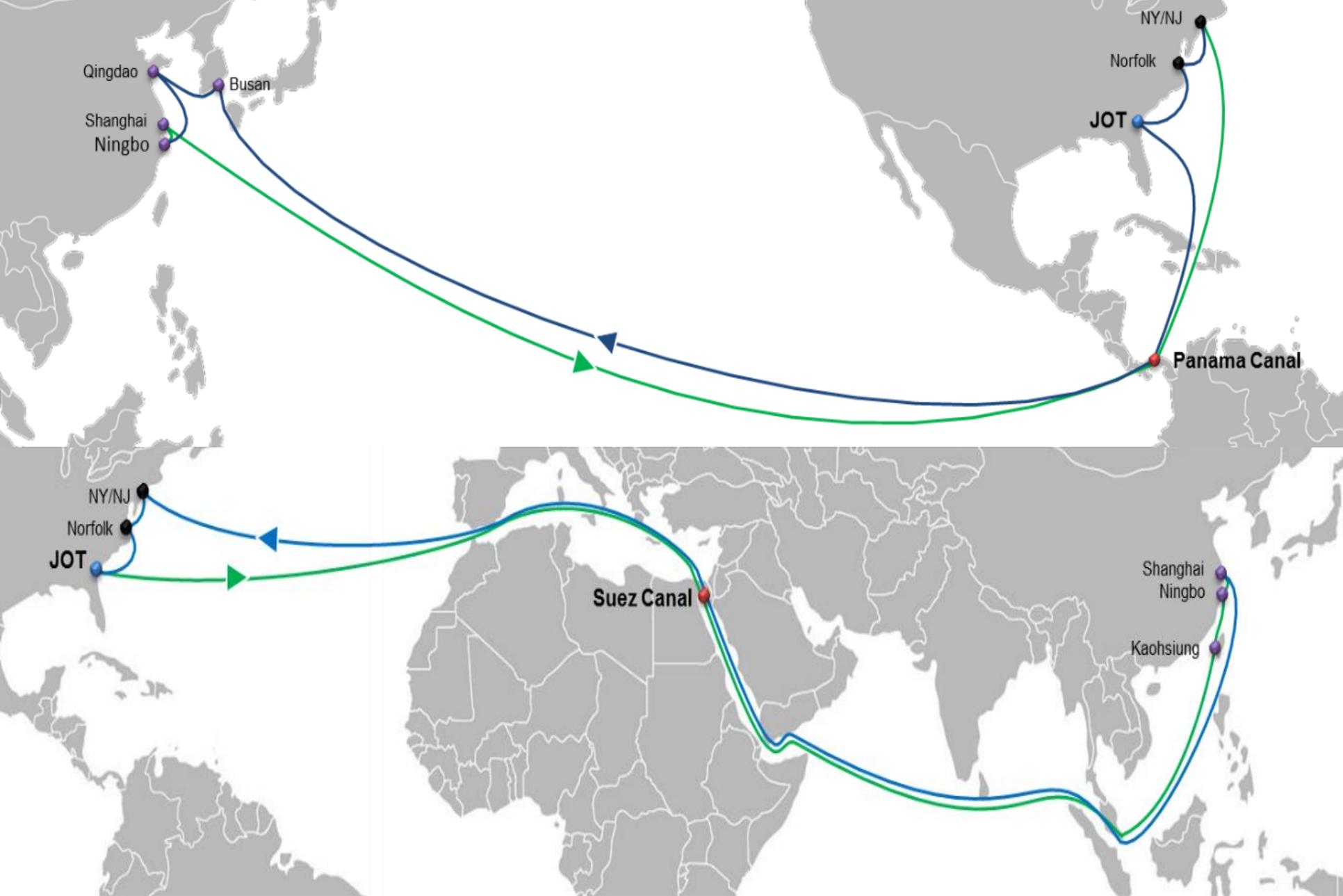


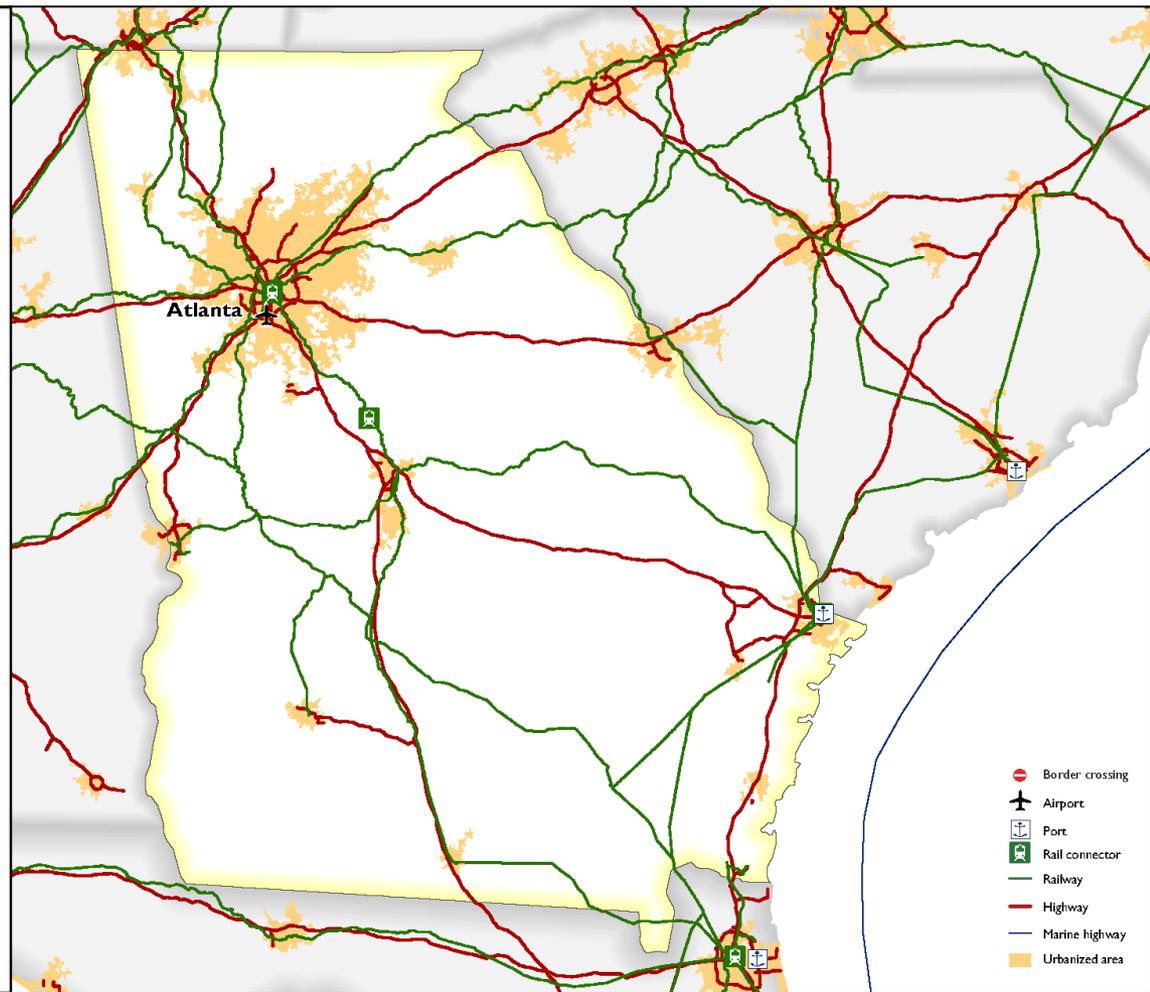
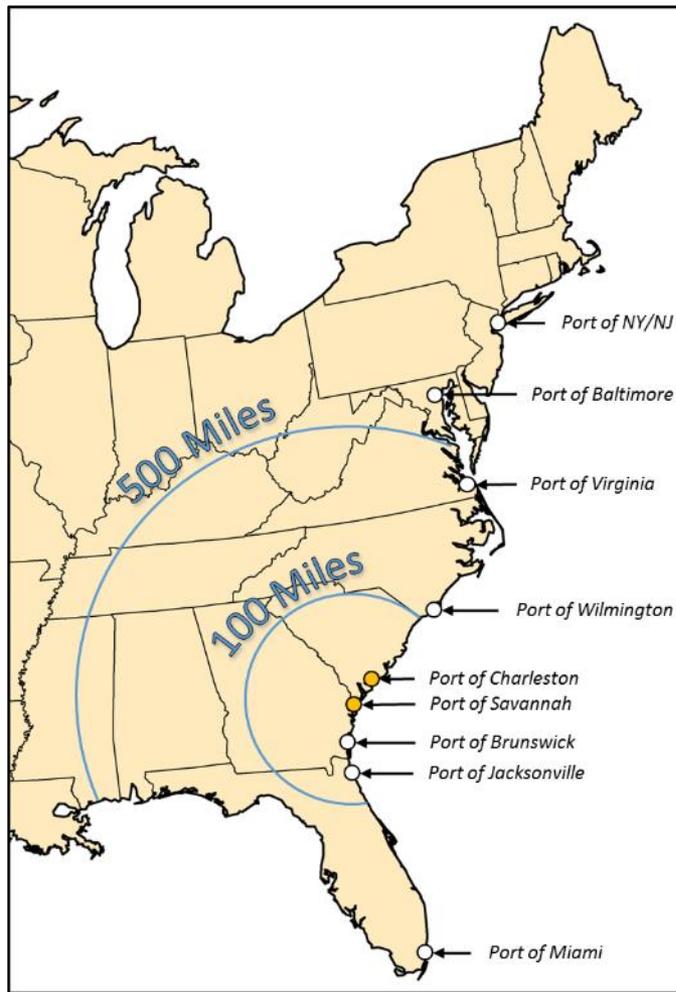
Trucks:

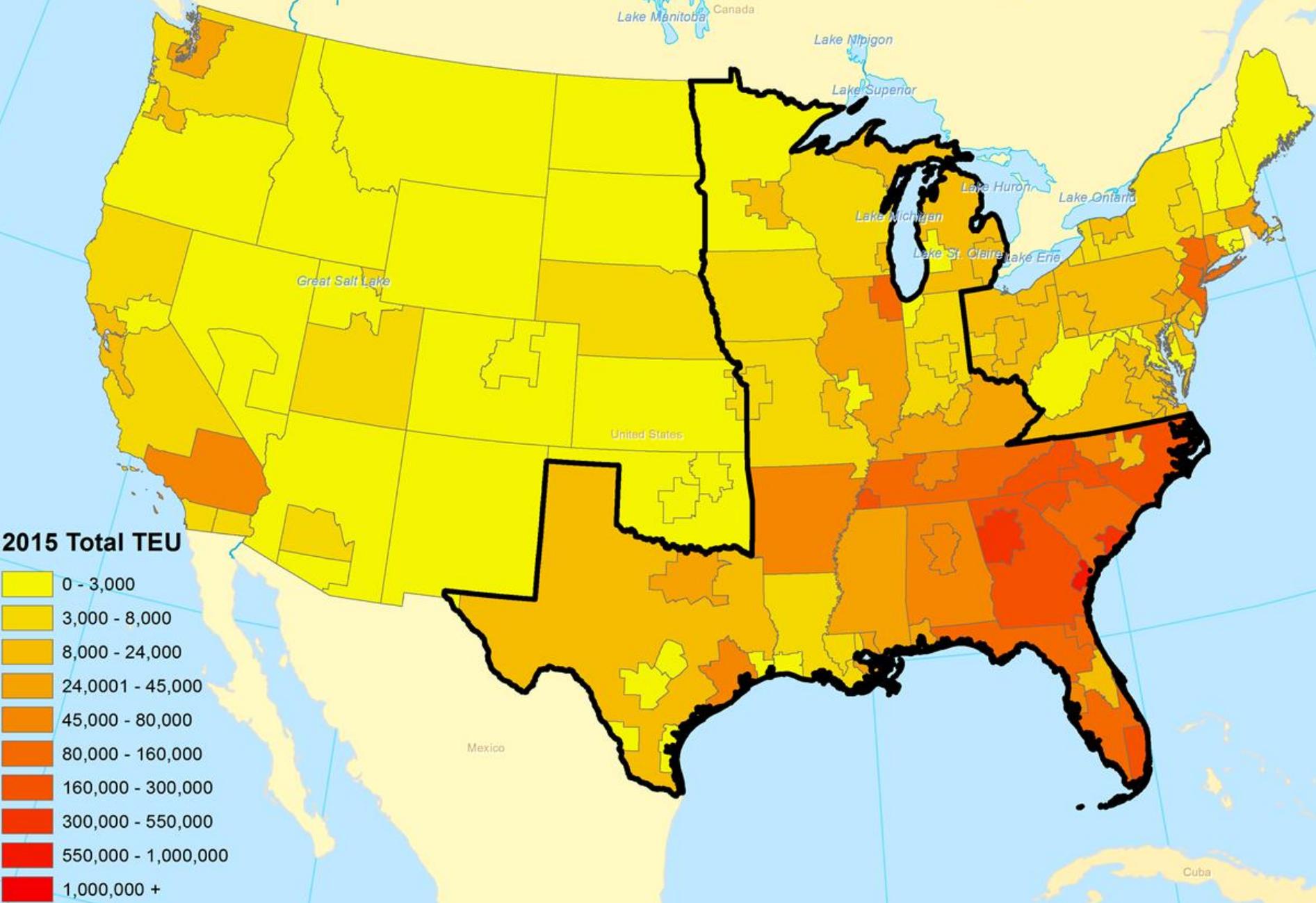
- Appointment System
- Single Stage Process
- Demand for Short Turn Time



		20' Standard		40' Standard		40' High-Cube		45' High-Cube	
Dimensions		<i>imperial (ft)</i>	<i>metric (m)</i>						
External	<i>length</i>	19.88	6.06	40.00	12.19	40.00	12.19	45.00	13.72
	<i>width</i>	8.00	2.44	8.00	2.44	8.00	2.44	8.00	2.44
	<i>height</i>	8.50	2.59	8.50	2.59	9.50	2.90	9.50	2.90
Interior	<i>length</i>	19.25	5.87	39.48	12.03	39.37	12.00	44.48	13.56
	<i>width</i>	7.72	2.35	7.72	2.35	7.58	2.31	7.72	2.35
	<i>height</i>	7.82	2.39	7.82	2.39	8.69	2.65	8.85	2.70
Access	<i>width</i>	7.69	2.34	7.69	2.34	7.48	2.28	7.69	2.34
	<i>height</i>	7.48	2.28	7.48	2.28	8.40	2.56	8.48	2.59
Volume		<i>imperial (ft³)</i>	<i>metric (m³)</i>						
Void		1,169.0	33.1	2,385.0	67.5	2,660.0	75.3	3,040.0	86.1
Weight		<i>imperial (lb)</i>	<i>metric (kg)</i>						
Gross	<i>Max</i>	66,139	30,400	66,139	30,400	68,008	30,848	66,139	30,400
Empty	<i>Tare</i>	4,850	2,200	8,380	3,800	8,598	3,900	10,580	4,800
Load	<i>Net</i>	61,289	28,200	57,759	26,600	59,410	26,948	55,559	25,600



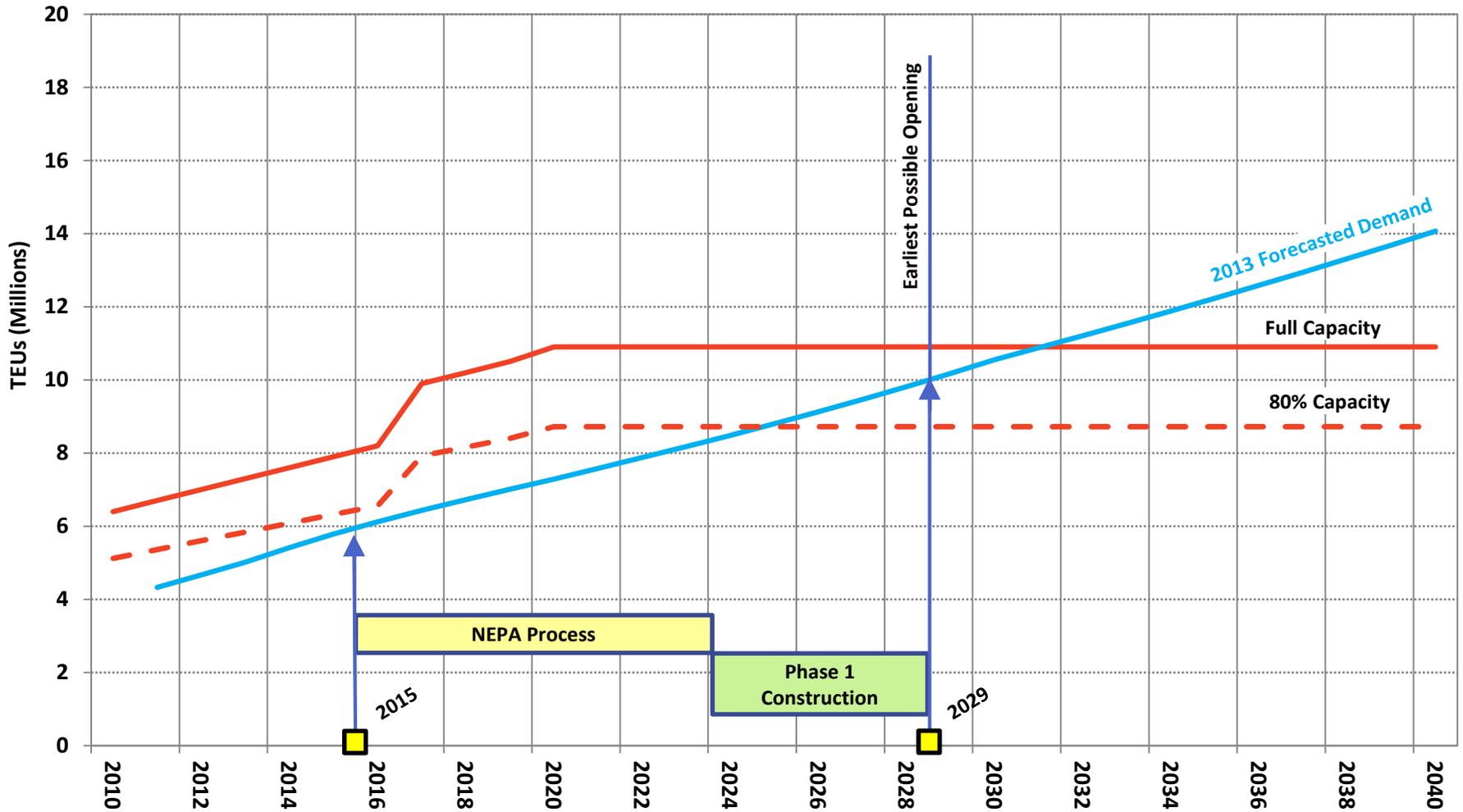




Need for the Proposed Action – Guidelines

- The relative extent of public and private need for a proposed project is a factor to be considered in every permit application.
- **In conducting the public interest review, the USACE must balance the public and/or private need against other factors of the public interest.**
- The proposals of private applicants frequently involve both a public as well as private need (e.g., providing the public with needed goods and services).
- Proposals by public sector applicants presumably address some public need (e.g., public recreation).
- For private enterprise applications, the USACE will generally assume that appropriate economic evaluations have been performed, and that the proposal is economically viable (i.e., will earn a profit) and needed in the marketplace.
- **Similarly, the Corps may defer to a state or local public entity's determination of need on the basis of that entity's decision to spend public money, and will not assert that such a decision was incorrect for economic or policy reasons.**
- **A project's need will generally only be questioned (requiring the applicant to submit a more detailed needs assessment) if the project is unduly speculative and/or if there is a substantiated reason to do so.**
- In such cases, the USACE should complete independent review of the need for the project from the overall perspective of the public interest.

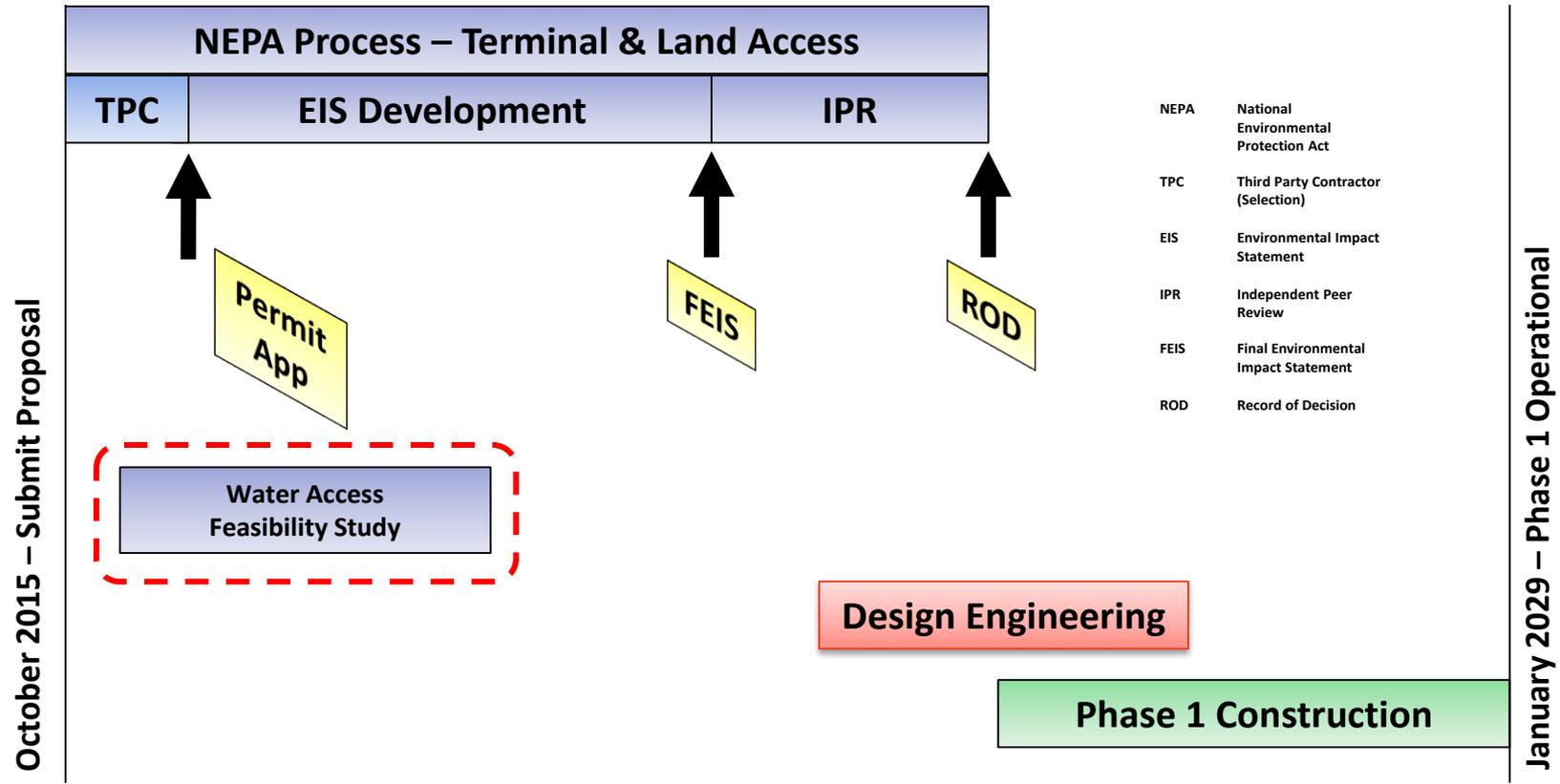
CHASAV Regional Need (2013)



Proposed Project Development Schedule

Project Year

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
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Applicable Federal Laws, Regulations, & Guidance

Section 10 – Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), USACE Guidance

Section 103 – Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972

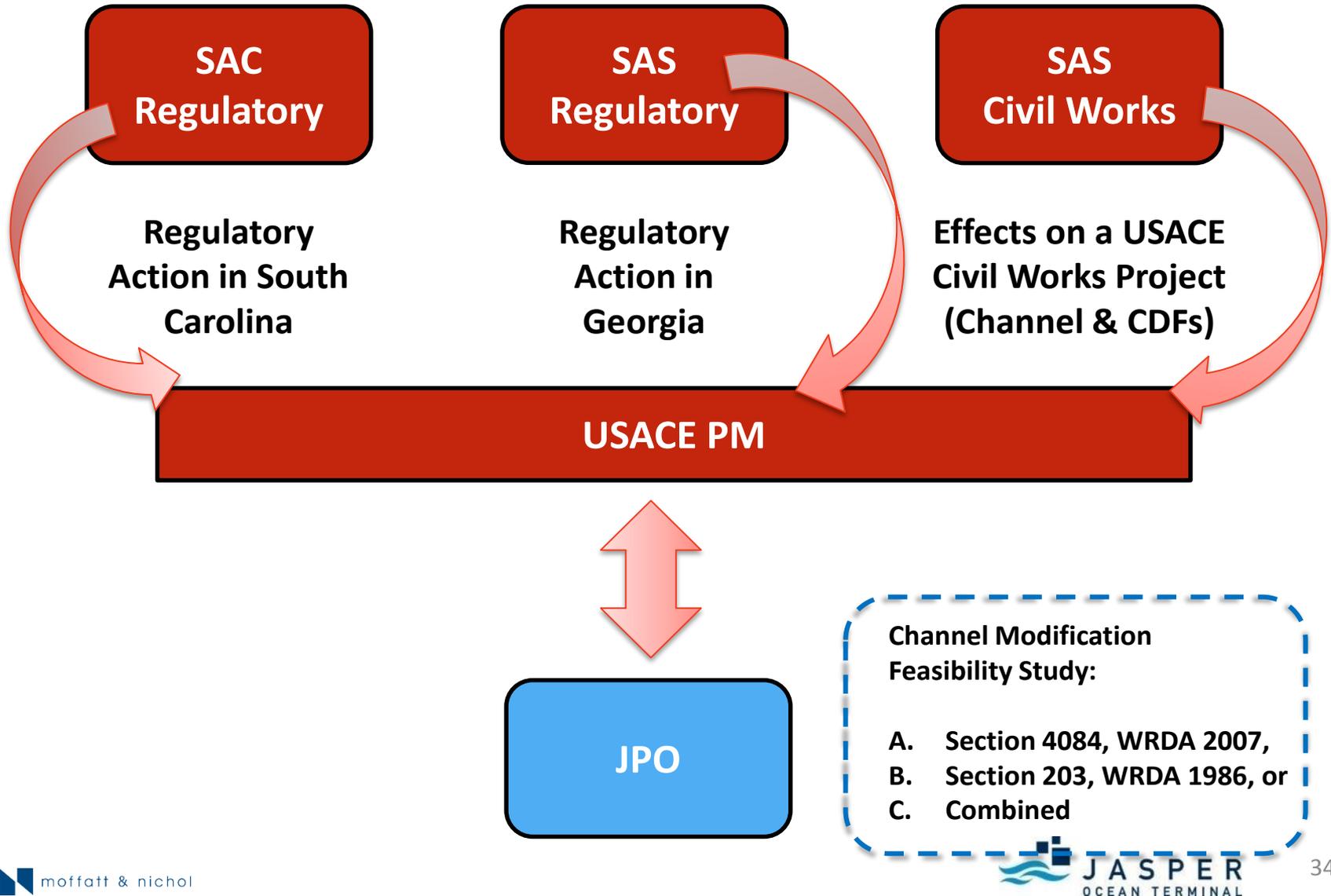
Section 404 – Section 404 of the Federal Water Pollution Control Act Amendments of 1972 (P.L. 92-500; 33 U.S.C. 1344), as amended by the Clean Water Act of 1977 (P.L. 95-217; 33 U.S.C. 1251 et seq.), Environmental Protection Agency (EPA)'s 404(b)(1) Guidelines

Regulatory Actions

Section 408 – Section 14 of the Rivers and Harbors Act of 1899 and codified in 33 USC 408 (commonly referred to as “Section 408”) and Engineer Circular (EC) 1165-2-216, *Policy and Procedural Guidance for Processing Requests to Alter U.S. Army Corps of Engineers Civil Works Projects Pursuant to 33 USC 408*

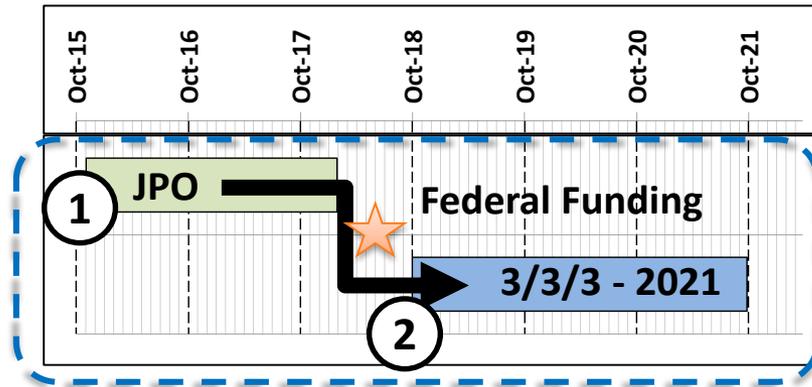
Civil Works Action

Procedural Coordination



Channel Modification Feasibility Study

Baseline	SHEP & CH+45
Recommendation	<ol style="list-style-type: none"> ① Start as Section 203 ② Fund 4084 in FY 2018



Notes:

- (A) Under WRDA Section 4084, Project was authorized by Congress, but no funds appropriated.
- (B) To process under Section 4084, funds must be appropriated
 - Normal USACE budget cycle (FY 2018 earliest)
 - Congressional Add (FY 2017 or later)
- (C) Under Section 203, NFI proceeds with study, without USACE cost share or participation
 - Limits JPO access to SHEP information