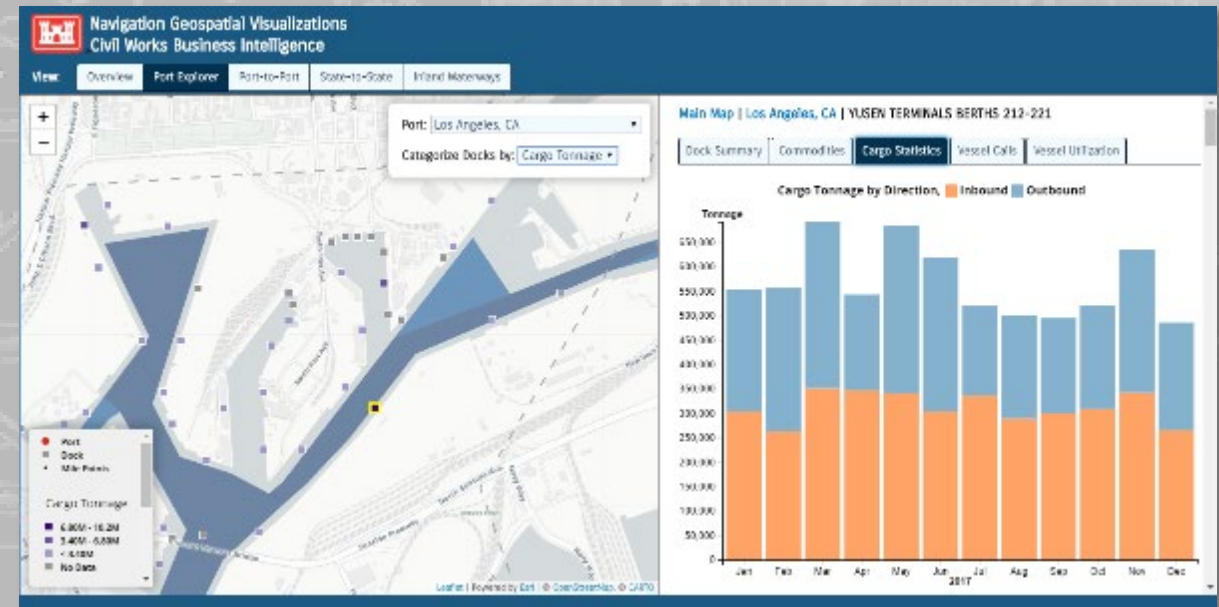


# STATISTICAL PORT BOUNDARY PROJECT

Institute for Water Resources  
Date: 30 March 2020



US Army Corps  
of Engineers®



# PROJECT DESCRIPTION



## Scope:

To utilize a Geographic Information System (GIS) to prepare a USACE enterprise-wide statistical port boundary polygon feature class per Engineering Regulation 1130-2-520 and organized in Spatial Data Standards for Facilities, Infrastructure and Environment (SDSFIE) 4.0.2 format.

## Points of Contact:

**Justin Pummell**  
**Project Manager**  
[Justin.D.Pummell@usace.army.mil](mailto:Justin.D.Pummell@usace.army.mil)

**Dr. Forrest Vanderbilt**  
**Public Outreach**  
[Forrest.B.Vanderbilt@usace.army.mil](mailto:Forrest.B.Vanderbilt@usace.army.mil)

Field	Description
portIdpk	Existing TOWS port code (ex. 3105)
featureName	Port Name based on legislation
metadataId	Geometry type of port L = Legislation M = Municipal Limit O = Other
mediaId	Lookup code to reference legislation document.
featureDescription	Narrative description /comments related to the statistical port boundary GIS work
sdsId	Generic GIS ID (Leave empty)
installationId	If port has a military code, then enter SDSFIE DA code.

## Start:



**01 October 2019**

## Program:



**Navigation**



# ENGINEER REGULATION 1130-2-520



- USACE's Navigation Data Center (NDC) is responsible to collect, compile, publish, and disseminate waterborne commerce statistics. Delegated to the Waterborne Commerce Statistics Center (WCSC).
- Performance of this work is in accordance with the Rivers and Harbors Appropriation Act of 1922.
- ER 1130-2-520 defines a port area as:
  - 1) Port limits defined by legislative enactments of state, county, or city governments.**
  - 2) The corporate limits of a municipality.**



# INSTITUTE FOR WATER RESOURCES



1

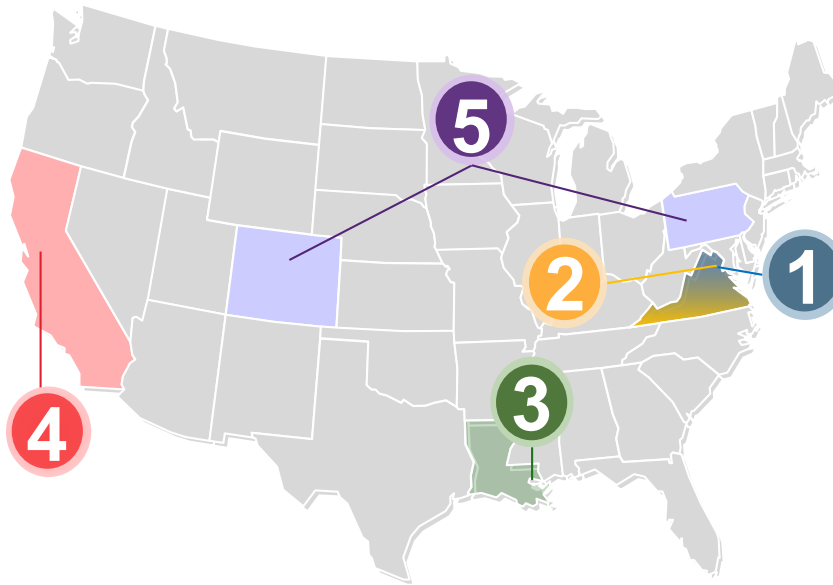
## Institute for Water Resources National Capital Region (IWR-NCR) Alexandria, VA

- Forward-looking analysis, methodologies, and tools
- Analyses of emerging water resources trends and issues
- Develops training
- Fosters partnerships
- National data management
- Offices in 5 locations

2

## Navigation & Civil Works Decision Center (NDC) Alexandria, VA

- Direct data support to navigation, hydropower, recreation, homeland security, and emergency and readiness functions
- Manages Civil Works Business Intelligence (CWBI)
- Responsible for Federal water transportation statistical programs
- Manages infrastructure utilization and performance information
- Collects and disseminates data across:
  - Lock Performance Monitoring System
  - Dredging Information System
  - Notices to Navigation Interests
- Oversees the Waterborne Commerce Statistics Center (WCSC)



4

5

2

1

3

3

## Waterborne Commerce Statistics Center (WCSC) New Orleans, LA

- Collects, processes, compiles, and publishes waterborne commerce statistical data
- Documents and publishes:
  - Commercial port infrastructure served by federal channels
  - U.S. vessels available for operation in waterborne commerce as well as their principal trades and zones of operations.

4

## Hydrologic Engineering Center (HEC) Davis, CA

- Supports water resources management
- Increases technical capability in hydrologic engineering and water resources planning
- Develops software systems and analysis procedures used worldwide
- Trains software users

5

## Risk Management Center (RMC) Golden, CO; Pittsburgh, PA

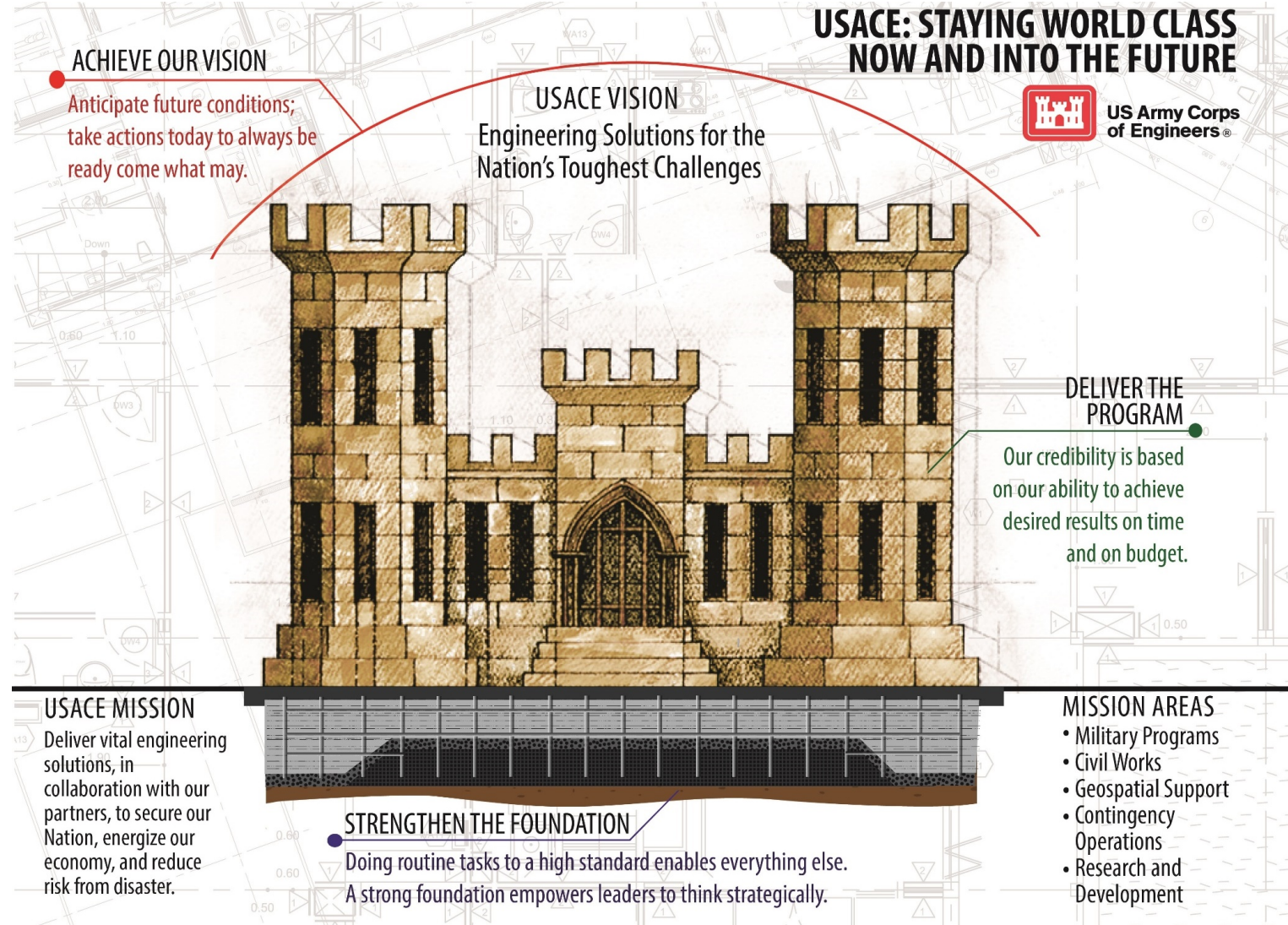
- Independent advisor to leadership
- Assesses USACE dam and levee systems' risk
- Develops dam and levee safety policies, methods, and tools
- Supports consistent risk assessment processes



# WHY ARE WE DOING THIS?



1. Revolutionize Civil Works
2. Data Modernization (per the Open Data Act)





# WHAT'S AT STAKE?



- Federal Budget
  - Performance-based budgeting
  - Federal Funding for New and Existing Federal navigation projects
  - Investment to improve delays
  - High/Medium/Low Use Coastal Channels and Waterways
- Grants
  - Agency assessments of Port and Waterway Performance
  - Regional Economic Indicators
- Private Investment Decisions

**NOTE: A Statistical Port ≠ Corps Project**



# PROJECT TEAM



**Project Sponsors**  
 Mark Sudol\*  
 Mark Point  
 Tom Podany  
 Doug McDonald (MARAD)  
 PJ Donovan (PCX-IN)

**PM**  
 Justin Pummell\*

**Technical Experts (Ports/GIS)**  
 Amy Tujague\*  
 Kevin Cutress  
 Justin Bonanno  
 Katie Lientz (MARAD)  
 April Lloyd (MARAD)

**Technical Experts (Public Outreach)**  
 Forrest Vanderbilt\*  
 Sydnie Hetzel  
 Matt Chambers (BTS)

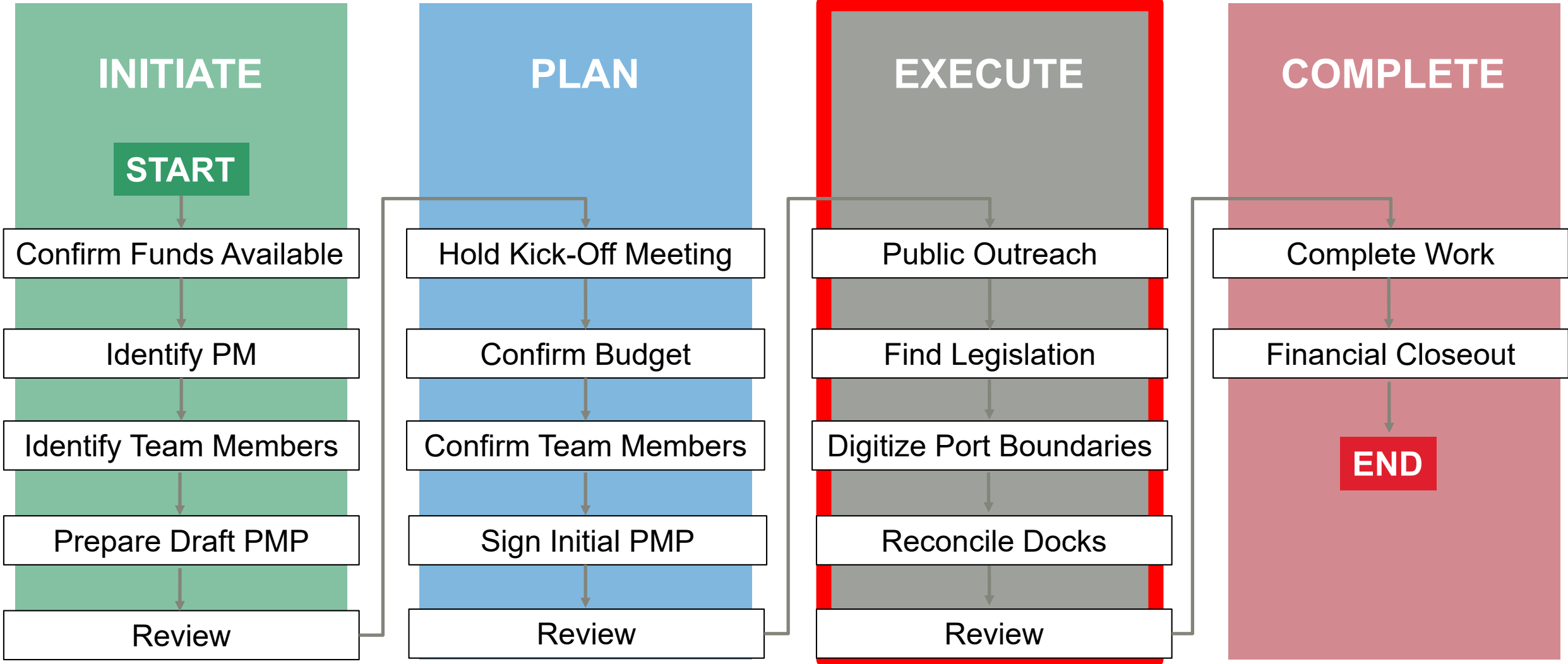
**Technical Experts (Dock Reconciliation)**  
 Bob Ray\*  
 Judy Kehoe  
 Sean Kenny  
 Shaku Jain  
 Autumn Pittman (For PCX-IN AOR)

**Customers**  
 Appendix A

\*Lead



# PROJECT PHASES



OCT 2019

MAR 2021





# MILESTONES



Milestone	Description	Date
1	Project Management Assignment	01 Oct 19
2	Project Kick-off Meeting	15 Oct 19
3	Project Management Plan (PMP) Delivery	29 Oct 19
4	Stakeholder Coordination Documentation	06 Nov 19
5	Finalize <i>PortArea</i> feature class	01 Feb 21
6	Publish <i>PortArea</i> feature class	01 Mar 21
7	Closeout project	31 Mar 21



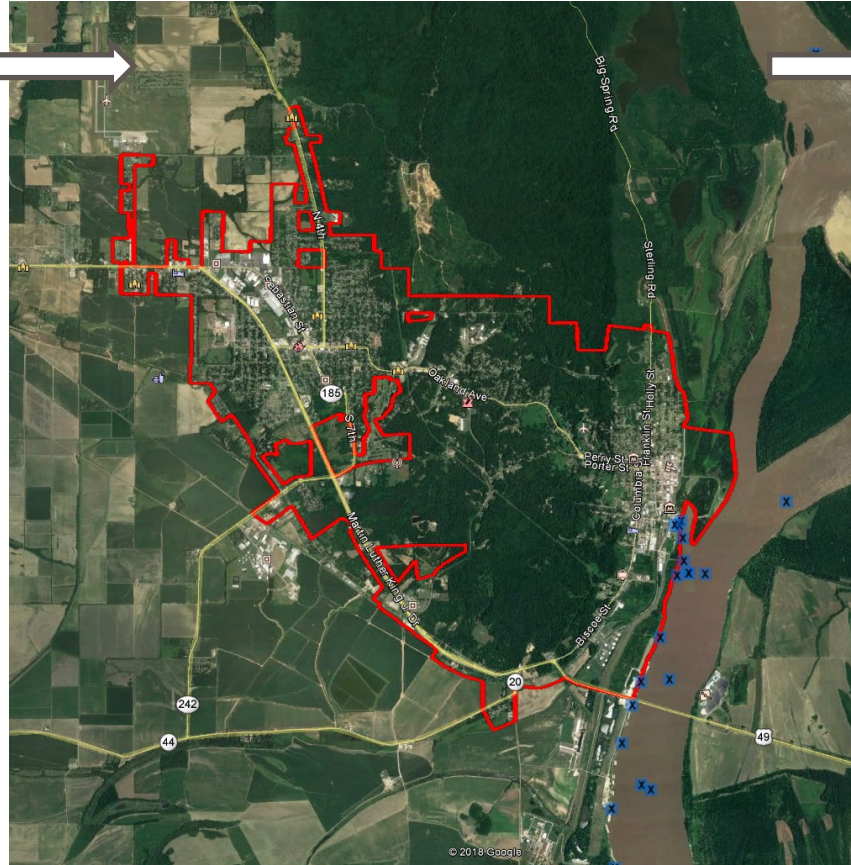
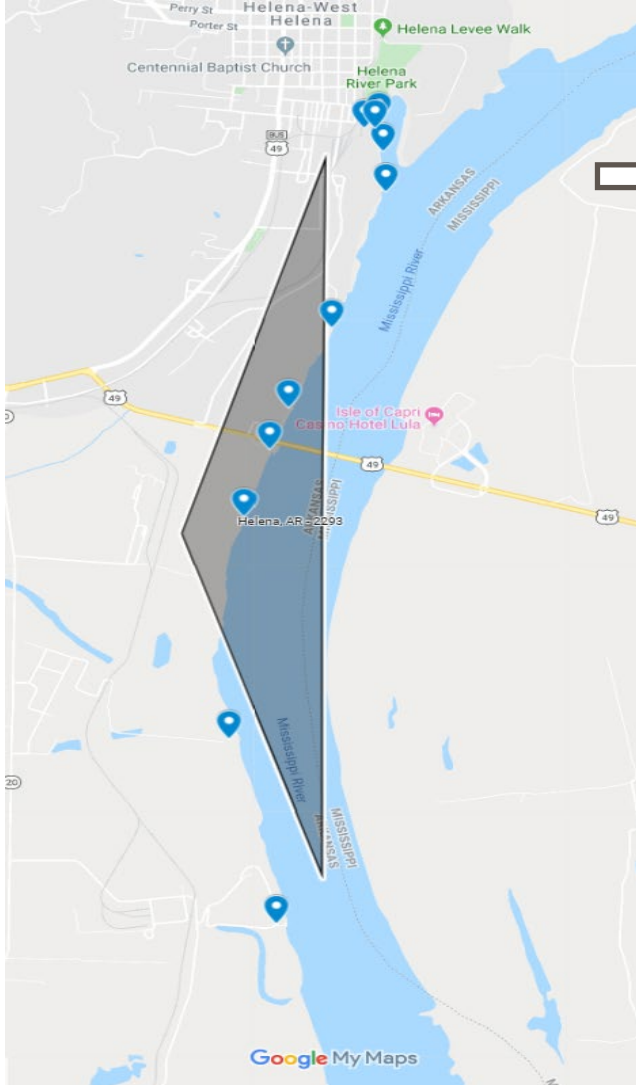
# EVOLUTION OF A PORT AREA – HELENA, AR



OTHER

MUNICIPAL

LEGISLATION

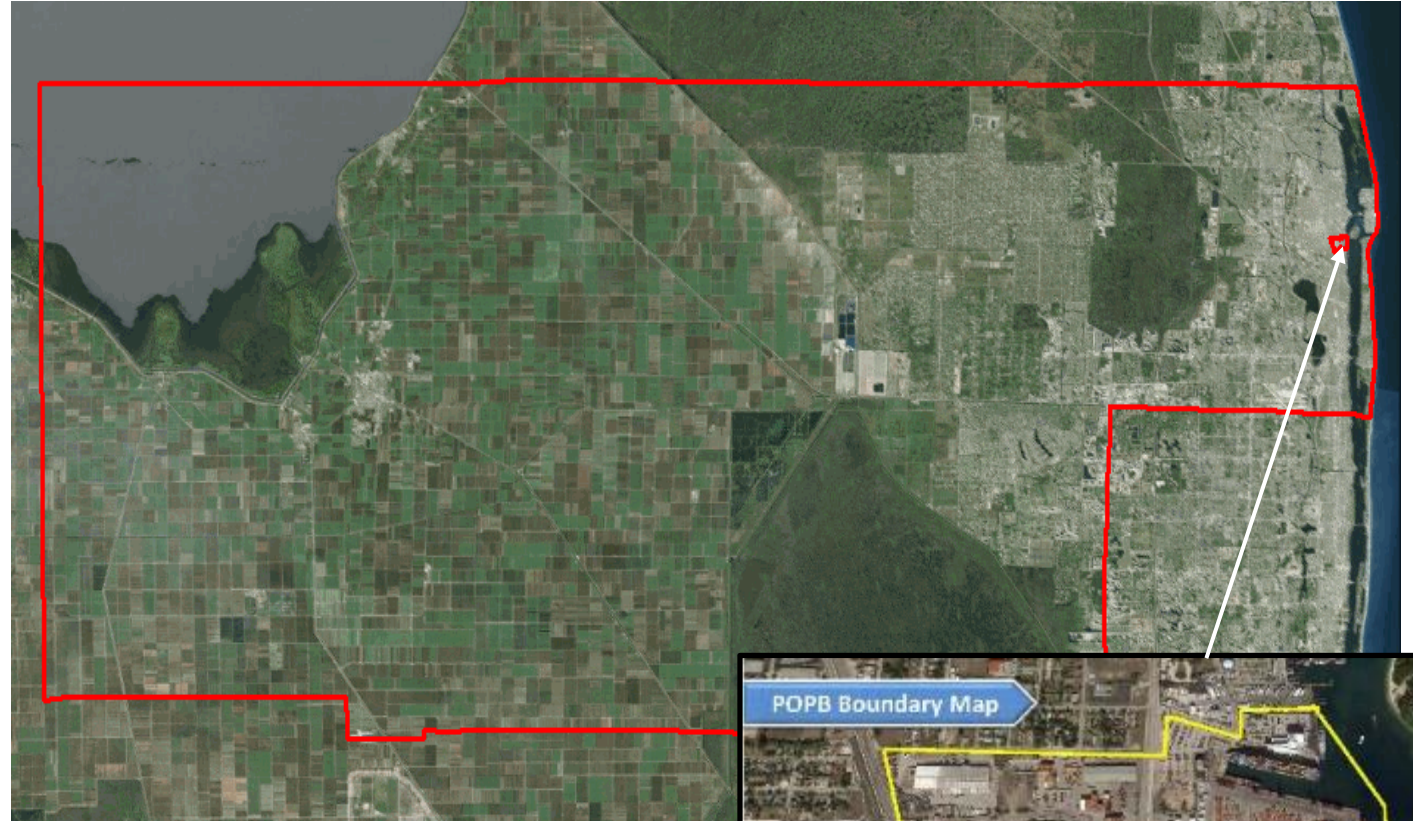




# EVOLUTION OF A PORT AREA – PALM BEACH, FL



- The Port of Palm Beach District is an independent special taxing district, a sub-division of the state of Florida.
- Established under the provisions of the Laws of Florida, Acts of 1915, Chapter 7081, as amended and supplemented, the Port District is located in Palm Beach County, Florida.
- It covers a land area of 971 square miles or approximately 50% of the county.





# STATISTICAL PORT BOUNDARY PROJECT



30 March 2020

Purpose: To utilize a Geographic Information System (GIS) to prepare a USACE enterprise-wide statistical port boundary polygon feature class per Engineering Regulation 1130-2-520 and organized in SDSFIE 4.0.2 format no later than 21 Mar 2021.

## Primary Partners:

- USACE Navigation Data Center
- USACE Waterborne Commerce Statistics Center
- USACE Planning Center of Expertise for Inland Navigation
- DOT Maritime Administration
- DOT Bureau of Transportation Statistics



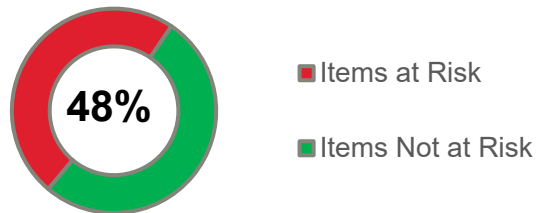
## Boundaries Reviewed:



## Ports Complete:



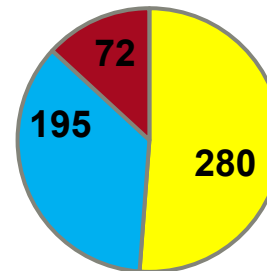
## Risk Tracking:



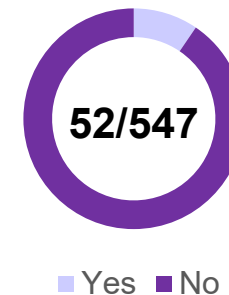
## Progress Status:

Ports by Definition

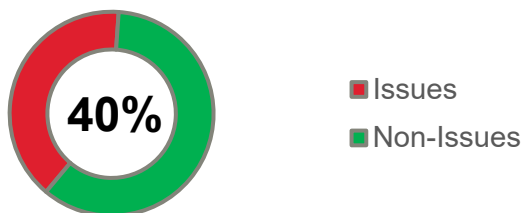
- Legislation
- Municipal Limit
- Other



Docks Reconciled



## Communication Tracking:



## Significant Accomplishments:

- Project end date has been extended to 01 Mar 2021 to allow for additional time to conduct outreach and dock reconciliation. End date may require additional extension if COVID-19 restrictions are long-lasting. The Project Management Plan (PMP), information paper, and strategic documentation documents were updated.
- Preliminary creation and review of nearly all draft statistical port boundaries is complete; a majority of ports are now defined by either municipal limit or legislative definition.
- Outreach Team continues to make progress with sending notification letters, attending virtual meetings, and sharing project information.





# THANK YOU!



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U.S. Army Corps of Engineers  
[forrest.b.vanderbilt@usace.army.mil](mailto:forrest.b.vanderbilt@usace.army.mil)