"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."
We aspire to remain a WORLD-CLASS organization, now and into the future, by setting the professional standard and stepping-up as a reliable Federal option. Perhaps the MOST STRATEGIC thing we can do is to simply DELIVER OUR PROGRAM...with exceptional quality, on time, and on budget.
Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of national security needs, commerce, and recreation.
AGENDA

Who is doing the work
Why we are doing the work
  Internal Stakeholders
  External Stakeholders
What is at stake for you
What are we doing
How we are doing it - examples
INSTITUTE FOR WATER RESOURCES CENTERS

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)

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
NDC OVERVIEW - AUTHORITY

  • Tasked with collection of navigation statistics and implementation of the waterborne commerce statistics provisions.
• Databases within NDC provide information that supports decision making for the budget, planning and operations, and investigations.
• Based in Alexandria, VA.
WHY ARE WE DOING THIS?

Two large USACE initiatives
1. Revolutionize Civil Works
2. Data Modernization (per the Open Data Act)

Specific Regulations
1. Engineering Pamphlet 1130-2-520
2. Compliance 33 CFR 207.800 and associated Civil Penalties amount increase
There are approximately 550 identified port or port areas based on legislative or a municipal boundary recognized by the Waterborne Commerce Statistics Center.

Approximately 325 report tonnage for FY18.

The Waterborne Commerce Statistics Center maintains online records of the Principal Ports list and associated tonnage from 1996 to today.

The United Nations recognizes 1757 Port locations within the United States.

The US Customs and Border Protection recognizes approximately 230 Port Districts within 39 Districts.
WATERBORNE COMMERCE STATISTICS CENTER (WCSC) OVERVIEW

• WCSC collects, processes, checks, distributes, and archives domestic and foreign vessel trip and cargo data.

• Data provides essential information for analyses of navigation projects (i.e., performance measures) and annual funding prioritization for operations and maintenance of existing projects.

• Under Federal law, companies must report domestic waterborne commercial vessel movements.

• Foreign data:
  • U.S. Customs and Border Protection
  • U.S. Census Bureau
  • Port Import Export Reporting Service
### HOW WE COLLECT

**NAVIGATION COMMUNITY PROVIDES**

Vessel Operating Report

- Vessel ID & Operator
- Origin Port & Dock
- Destination Port & Dock
- Date Depart & Arrive
- Route Taken
- Draft
- Commodity
- Tonnage

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VORs Vote for Waterways, Locks, and Ports
Voluntary Dock Receipt
Provided by Ports and Dock Owners
Lists: vessels that called
dates of arrival
dates of departure
Used to assure proper location is getting credit.

Prefer Excel format version of dock receipt.
Operators identify origins and destinations inconsistently.

Example: KINDER MORGAN ENERGY PARTNERS on the Houston Ship Channel

Reported by 42 operators, 200 different ways.
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
STATISTICAL PORT POLYGON PROJECT DESCRIPTION

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

**Points of Contact:**

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Project Manager  
Justin.D.Pummell@usace.army.mil

Dr. Forrest Vanderbilt  
Public Outreach  
Forrest.B.Vanderbilt@usace.army.mil

Start:  
01 October 2019

Program:  
Navigation

**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.

EP 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.
PROJECT TEAM

Project Sponsors
- Mark Sudol*
- Mark Pointon
- Tom Podany
- Doug McDonald (MARAD)

PM
- Justin Pummell*

Technical Experts (Ports/GIS)
- Amy Tujague*
- Kevin Cutress
- Shaku Jain
- Justin Bonanno
- Katie Lientz (MARAD)

Technical Experts (Public Outreach)
- Forrest Vanderbilt*
- Steven Riley
- Dale Brown

Technical Experts (Dock Reconciliation)
- Bob Ray*
- Judy Kehoe
- Sean Kenny
- Autumn Pittman (For PCXIN AOR)

Port and Terminal Owners

*Lead

Customers

-*
WORK FLOW WITH PORTS

1. Cover Letter
2. Information Paper
3. Port Boundary
4. Dock List
5. Feedback Form

Email to Ports

Not Concur

Revise Boundary

Concur

Dock Reconciliation (Optional)

Concur

Dock Reconciliation (Optional)
## 2018 FACT CARD RANKINGS

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**Note:** Total \(^2\) is calculated as Tons \(^2\).
Examples

- Legislation defines port boundary as Harris County, TX
- Statistical port boundary drawn to match Harris County
SANTA CRUZ MUNICIPAL EXAMPLE

- No available local legislative documentation which defines boundary

- Boundary defined using U.S. Census Bureau TIGER file municipal limit
PORT ARTHUR, TX DOCK RECONCILIATION EXAMPLE

- Statistical port boundary (red) defined by State legislation
- Docks in blue fall within legislative boundary
- Docks in orange need reconciled to determine future association
The Port of Palm Beach District is an independent special taxing district, a subdivision 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.
EVOLUTION OF A PORT AREA

Helena Harbor

Helena, AR

Helena Harbor & Phillips County
WE NEED YOUR HELP

Increase accuracy of commodity origin and destination
Assure congruence between Port Authority and Corps tonnages
Provide transparency on our public statistical port boundaries
Enhance compliance efforts to report all tonnage and commodities moving on our waterway system
Ensure Corps and other federal agencies are good stewards of taxpayer dollars.
QUESTIONS?

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