Channel Portfolio Tool

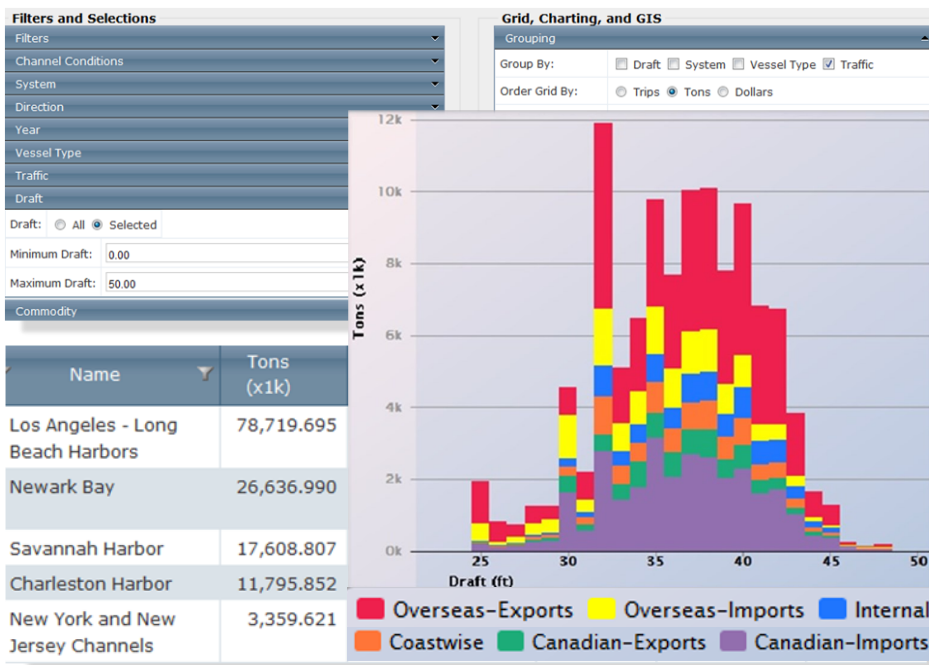## https://cpt.usace.army.mil

US Army Corps of Engineers ®

The Channel Portfolio Tool (CPT) allows authorized users to analyze the extent to which maintained navigation channel depths are used by commercial shipping. Analyses can be conducted for individual channels, or for groups of channels treated as a single system.

The Channel Portfolio Tool provides users with the capability to rank, compare, and visualize freight vessels, commodity type, tonnage, and dollar value of cargo moving through our nation's waterways. By drawing on data collected through the Waterborne Commerce Statistics Center, the Channel Portfolio Tool allows users to systematically consider relevant factors such as cargo value, depth of transit, and channel condition when developing maintenance projects and dredging work packages.

USACE Dredge McFarland, USACE photo

Data can be easily accessed, queried, and visualized

Name	Tons (x1k)
Los Angeles - Long Beach Harbors	78,719.695
Newark Bay	26,636.990
Savannah Harbor	17,608.807
Charleston Harbor	11,795.852
New York and New Jersey Channels	3,359.621

Channel Portfolio Tool Features

- Web-accessible
- No software required
- User-defined filters
    - Area
    - Year
    - Project
    - Channel reach
    - Tonnage
    - Vessel draft & type
    - Commodity type
    - Traffic direction
    - Foreign / domestic traffic
- Supports file outputs
    - .CSV
    - .XLSX
    - .PDF
    - .KML
- Report generation capacity

The need for a system-wide level of understanding

By allowing users to consider channels as part of a larger navigation network, and navigation as part of a global freight network, the Channel Portfolio Tool supports informed decision making and optimized prioritization of freight system maintenance resources.

Savannah Harbor, USACE Photo, Billy Birdwell

The Channel Portfolio Tool was developed with input from:

- Navigation Data Center, Waterborne Commerce Statistics Center
- Engineer Research and Development Center (ERDC)
    - Coastal and Hydraulics Laboratory
    - Regional Sediment Management Program
    - Navigation Systems Program
    - Information Technology Laboratory

For information please contact:

Dr. Ned Mitchell, Technical Lead , Kenneth.N.Mitchell@usace.army.mil

Dr. Marin Kress, Trainings and Webinars, Marin.M.Kress@usace.army.mil