Channel Portfolio Tool

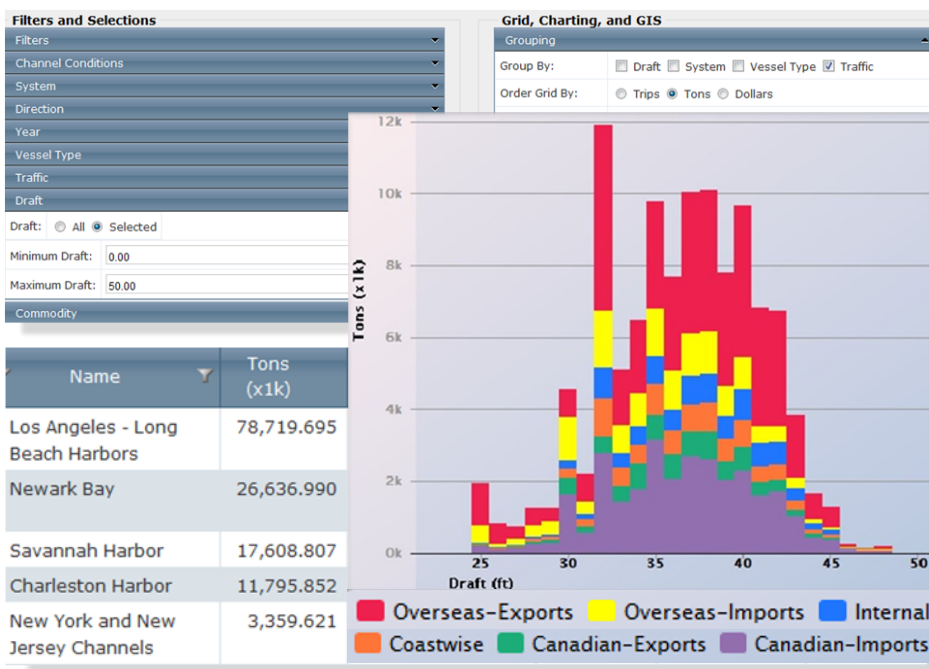**US Army Corps of Engineers (R)**

https://cpt.usace.army.mil

The Channel Portfolio Tool (CPT) lets you analyze the extent to which maintained navigation channel depths are used by commercial shipping. Analyses can be conducted for individual reaches, channels, projects, 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. With the CPT mapping function users can see how their projects relate to tonnage moved on the entire waterway network.

The Channel Portfolio Tool was developed with input from:
- Navigation Data Center, Waterborne Commerce Statistics Center
- Engineer Research and Development Center (ERDC)

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CPT map of query results by Dr. Ned Mitchell