EHYDRO: STANDARDS & SHARING

William Gavin Geographer **USACE** Mobile District



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NOAA





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1.681 last 60 da

Hydrographic Surveys powered by eHydro

pe (New Feature)

ustom Date Range

own menus or simply on the map to filte hic Survey data.

nation to drill down to nterested in. To set the filter to "All"





EHYDRO DATA

Hydrographic Surveys Dashboard

- Standard XYZ ascii files
- Common File Geodatabase Format
 - Upgrading to be in sync with SDSFIE
- KML exports

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- Shapefile exports
- District curated project maps
 - Emphasized for dredging purposes

Dredging Operations Channel Maintenance Post-Natural Disaster Events



US Army Corps U.S. ARMY of Engineers

STEWARDSHIP & STANDARDS

38 USACE Districts (36 w/ navigation mission)

 Albuquerque & Fort Worth (non-nav missions)
8 CONUS Divisions & Transatlantic (TAD)
OCONUS

Metadata is being standardized into ISO 19115

 eHydro automates the importing and updating of district metadata
Data schema being integrated with SDSFIE for USACE

15 Business Day Requirement (Ping to Publish)



NOT SHOW



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MISSION CRITICAL

Hydro Surveys provided

- Timely
- Consistently
- Accurately

NOAA - CATZOC Rating (where possible)Multibeam not used in all channels

US Coast Guard - S57 Contour Overlay

- Displayed on vessel ECDIS
- Quickly place buoys



US Army Corps U.S. ARMY of Engineers® CATZOC A1 for Pinole Shoal Channel in San Francisco Bay (Approved APR 2020)

CATZOC improvement to A2 accomplished on DE River

IMPROVEMENTS

Enhance OCS Collaboration effort

- Define ISO 19115 CATZOC Specifications
- Create machine-to-machine readable data

Enhance data sharing and availability

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U.S. ARMY

US Army Corps of Engineers®

 Better direct access to data in support of S57 Overlay generation

Increase the use of web enabled services, data standards and formats

USED FOR LOOK

NOAA

NOTE: TAMITER GATE NOT SHOWN

CONCLUSIONS

Standardization Data Stewardship Cutting-edge Tech

Thank you for the invite.

For questions, please email:

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QUANTUM COMPUTING

6/10/07 ····