

ENTERPRISE DREDGING INFORMATION SYSTEM UPDATE 17 OCTOBER 2018

IWR Navigation
Support Team



US Army Corps
of Engineers®



USACE: STAYING WORLD CLASS NOW AND INTO THE FUTURE

ACHIEVE OUR VISION

Anticipate future conditions;
take actions today to always be
ready come what may.

USACE VISION

Engineering Solutions for the
Nation's Toughest Challenges



US Army Corps
of Engineers®

DELIVER THE PROGRAM

Our credibility is based
on our ability to achieve
desired results on time
and on budget.

USACE MISSION

Deliver vital engineering
solutions, in
collaboration with our
partners, to secure our
Nation, energize our
economy, and reduce
risk from disaster.

STRENGTHEN THE FOUNDATION

Doing routine tasks to a high standard enables everything else.
A strong foundation empowers leaders to think strategically.

MISSION AREAS

- Military Programs
- Civil Works
- Geospatial Support
- Contingency Operations
- Research and Development

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.



USACE Navigation Mission

Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of national security needs, commerce, and recreation.





DIS OVERVIEW AND RELEVANCE



History...

- The Dredging Information System (DIS) is the USACE national database for all dredging data
- DIS has been in use for over 25 years
- EP 1130-2-520, Navigation and Dredging Operations and Maintenance Guidance and Procedures

Today...

- DIS is the system of record that captures a wealth of information including project name, quantity of dredged material, type of dredge, method of disposal or placement, government estimate, winning bid and bidder, and small business status.
- Used to meet WRDA 2016 reporting requirements



CHANGES SO FAR...

5



New Job and Pre-bid Information Screen

Jobkey	Job Name
99NWP001	MCR, C&LW, COOS BAY ENTRANCE

Record 1 of 1

First Previous Next Last

ReQuery Count

[Add new Fulljobs record](#)

[Return to Main Menu](#)

Jobkey:	99NWP001
Job Name:	MCR, C&LW, COOS BAY ENTRANCE
Job Status:	Active
Multi CWIS?:	YES
CWIS:	003600
Input Date:	02/05/1998
Advertisement Date (mm/dd/yyyy):	02/16/1999
Bid open date (mm/dd/yyyy):	03/16/1999
Bid open time (hh24mm):	1400
Award date (mm/dd/yyyy):	04/15/1999

* Indicates mandatory entry when creating a new record.

*Jobkey: 99NWP001 Job Name: MCR, C&LW, COOS BAY ENTRANCE

*Job Status: Completed

Multi CWIS/AMSCO: YES CWIS/AMSCO:

Input Date: 02/05/1998

Adv Date (MM/DD/YYYY): 02/16/1999

Bid Open Date (MM/DD/YYYY): 03/16/1999

Bid Open Time (24 hr HHMM): 1400

Award Date (MM/DD/YYYY): 04/15/1999



OTHER CORPS DREDGING DATA



Other Corps systems have been developed to capture Geospatial Information relating to...

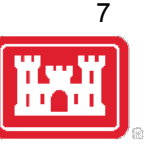
- Where dredging is taking place
- Location and capacity of disposal sites
- Ways to more efficiently use material to provide the highest benefit

Other sources of contracting data...

- Resident Management System (RMS) collects dredging information, entered by contractors, covering many of the same post-bid topics that are contract related or required



CREATING THE E-DIS PROJECT DELIVERY TEAM



- Recognizing that the system does not provide internal and external stakeholders with everything that's needed, this effort is intended to create a group of dredging experts to identify what information is needed to complete the mission
- Idea first arose after discussions of a 5 year national dredging schedule in July 2018
- After assigning members for the PDT, the kickoff meeting outlining the effort took place in September 2018 and includes both Corps and Industry stakeholders



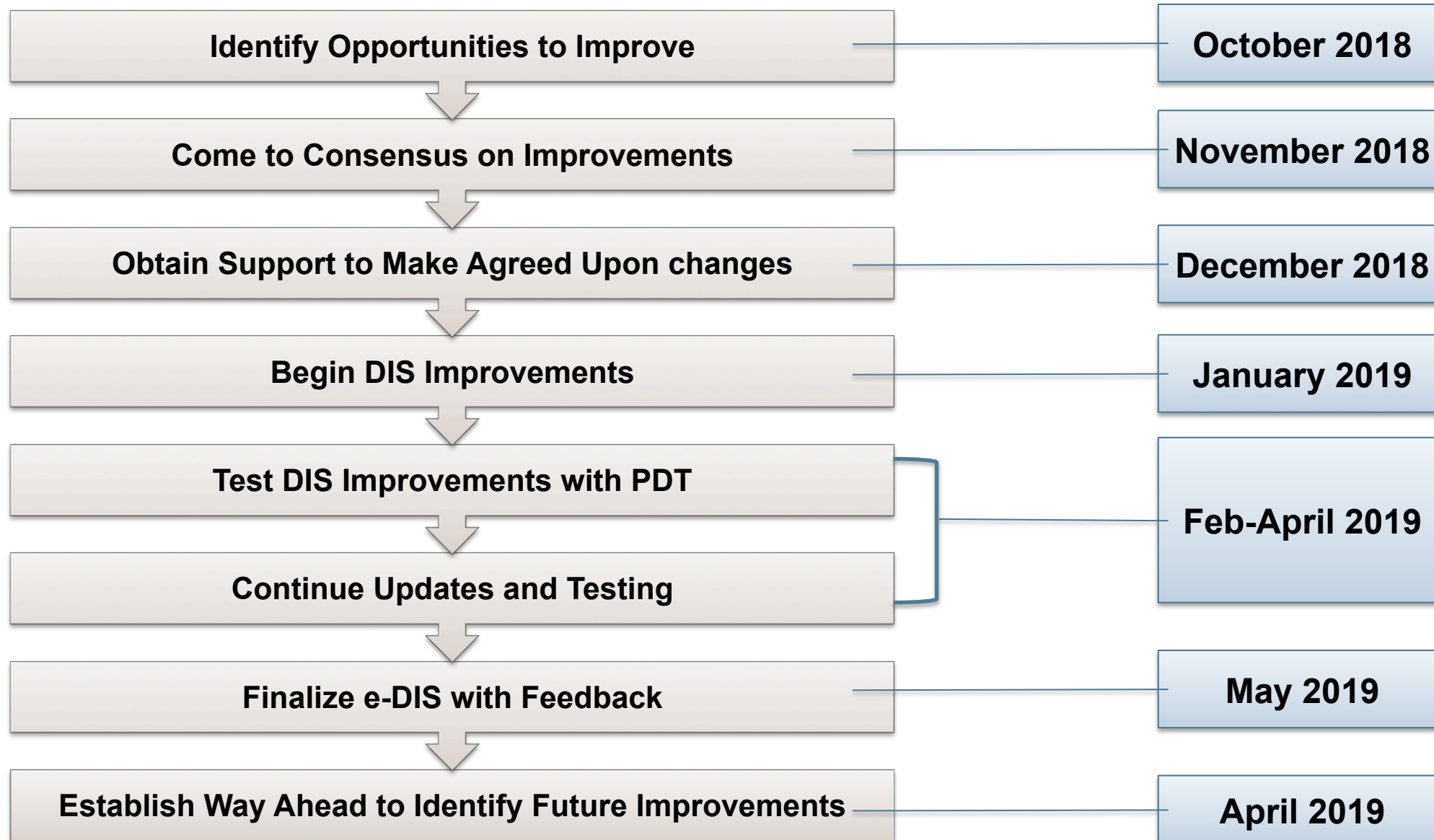
E-DIS PDT PURPOSE



- 1 Summarize issues and opportunities already identified (in meetings, by email, etc.)
- 2 Gather feedback to determine whether there are additional opportunities for improvements not yet identified (subject of our next few meetings)
- 3 Explore opportunities to link or combine DIS with other existing data information systems.
- 4 Explore ways to increase frequency of data updates
- 5 Identify and develop data visualization and reporting tools for internal and external stakeholders
- 6 Identify and develop methods for utilizing DIS data to drive decision support, instead of just data collection



MILESTONES AND ANTICIPATED SCHEDULE





WHAT WE'RE LOOKING FOR IN THE PDT

People familiar with the DIS data entry process

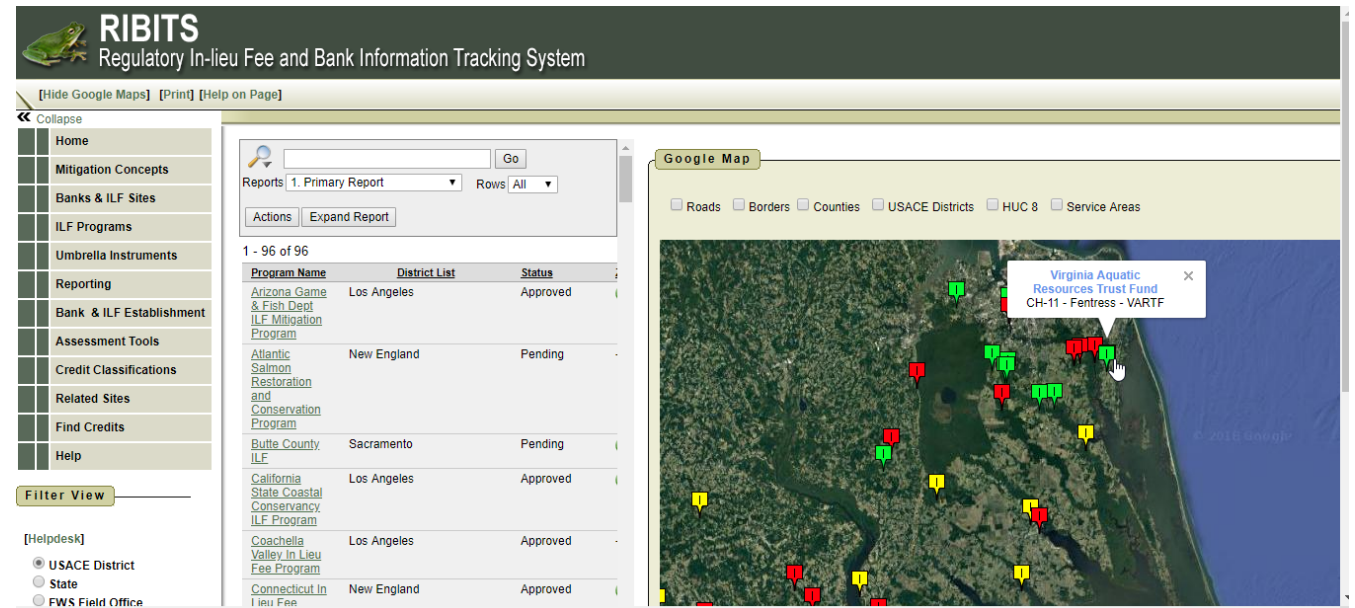
People familiar with the external uses of public dredging reports

People willing to take time on a bi-weekly basis to discuss and test changes to E-DIS

Alexandra.L.Schafer@usace.army.mil

IMPROVEMENT IDEAS IDENTIFIED TO DATE

- Linking DIS jobs to data already entered into the Resident Management System (RMS) for a reduced data entry requirement.
- Linking DIS to the Regional Sediment Management (RSM) effort to supply jobs
- Linking DIS to the CE-Dredge tool to complete the feedback loop of availability and capacity of disposal/placement sites.
- Enhancing spatial awareness of **planned** dredging jobs utilizing existing assets: allow users to enter points and polygons instead of entering a latitude/longitude in degrees, minutes, and seconds



RIBITS
Regulatory In-lieu Fee and Bank Information Tracking System

[Hide Google Maps] [Print] [Help on Page]

Home
Mitigation Concepts
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ILF Programs
Umbrella Instruments
Reporting
Bank & ILF Establishment
Assessment Tools
Credit Classifications
Related Sites
Find Credits
Help

Filter View

[Helpdesk]
USACE District
State
FWS Field Office

Reports: 1. Primary Report Rows: All
Actions: Expand Report

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Program Name	District List	Status
Arizona Game & Fish Dept ILF Mitigation Program	Los Angeles	Approved
Atlantic Salmon Restoration and Conservation Program	New England	Pending
Butte County ILF	Sacramento	Pending
California State Coastal Conservancy ILF Program	Los Angeles	Approved
Coachella Valley In Lieu Fee Program	Los Angeles	Approved
Connecticut In Lieu Fee	New England	Approved

Google Map

☐ Roads ☐ Borders ☐ Counties ☐ USACE Districts ☐ HUC 8 ☐ Service Areas

Virginia Aquatic Resources Trust Fund
CH-11 - Fentress - VARTF

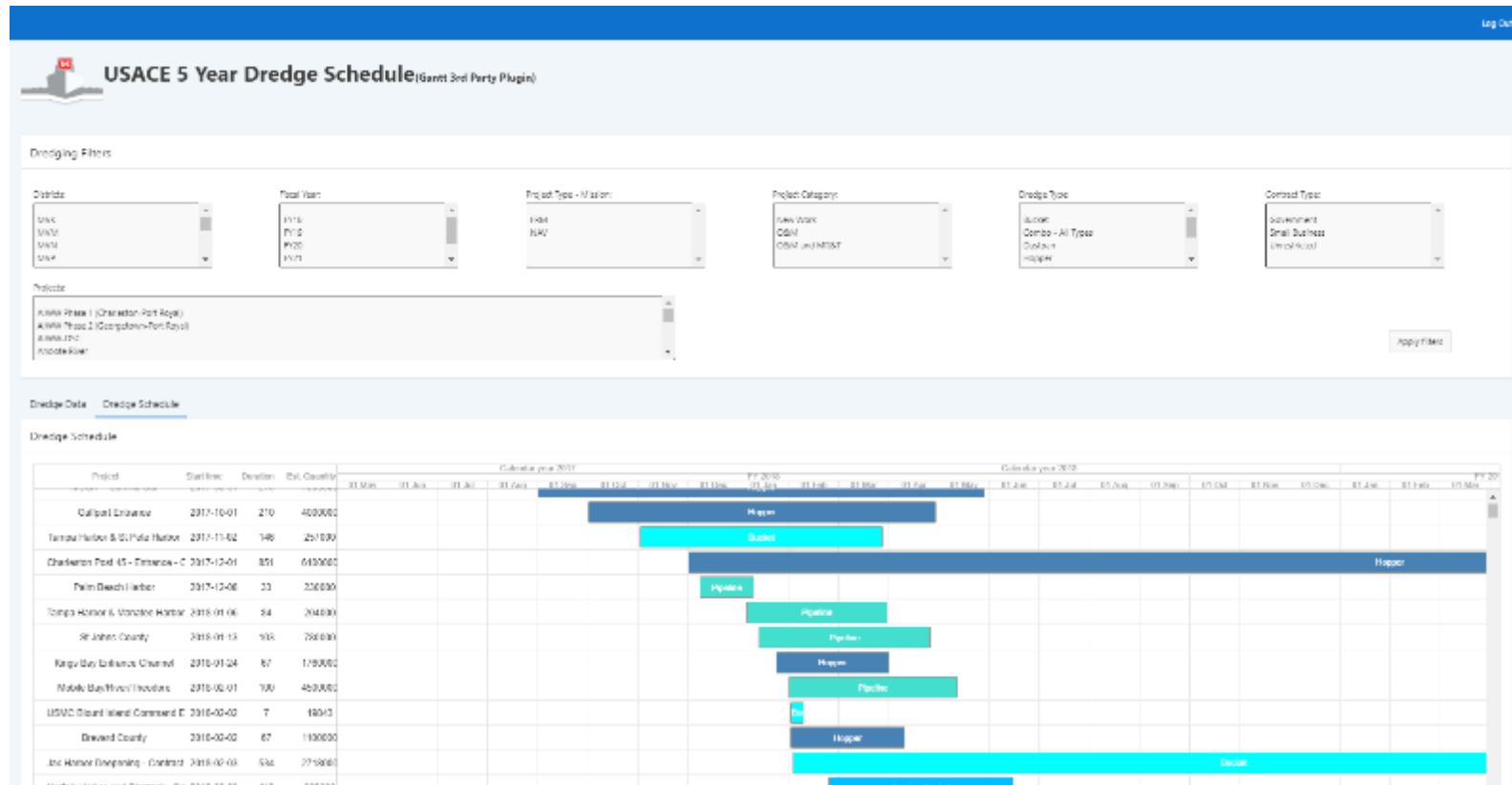


IMPROVEMENT IDEAS IDENTIFIED TO DATE (CONT.)

12



- Scheduling assistance:
 - Capture all relevant dredging windows across the enterprise
 - Capture dredge inventory and associate jobs to individual dredges
 - Building out 5 year plans (replacing the spreadsheet)

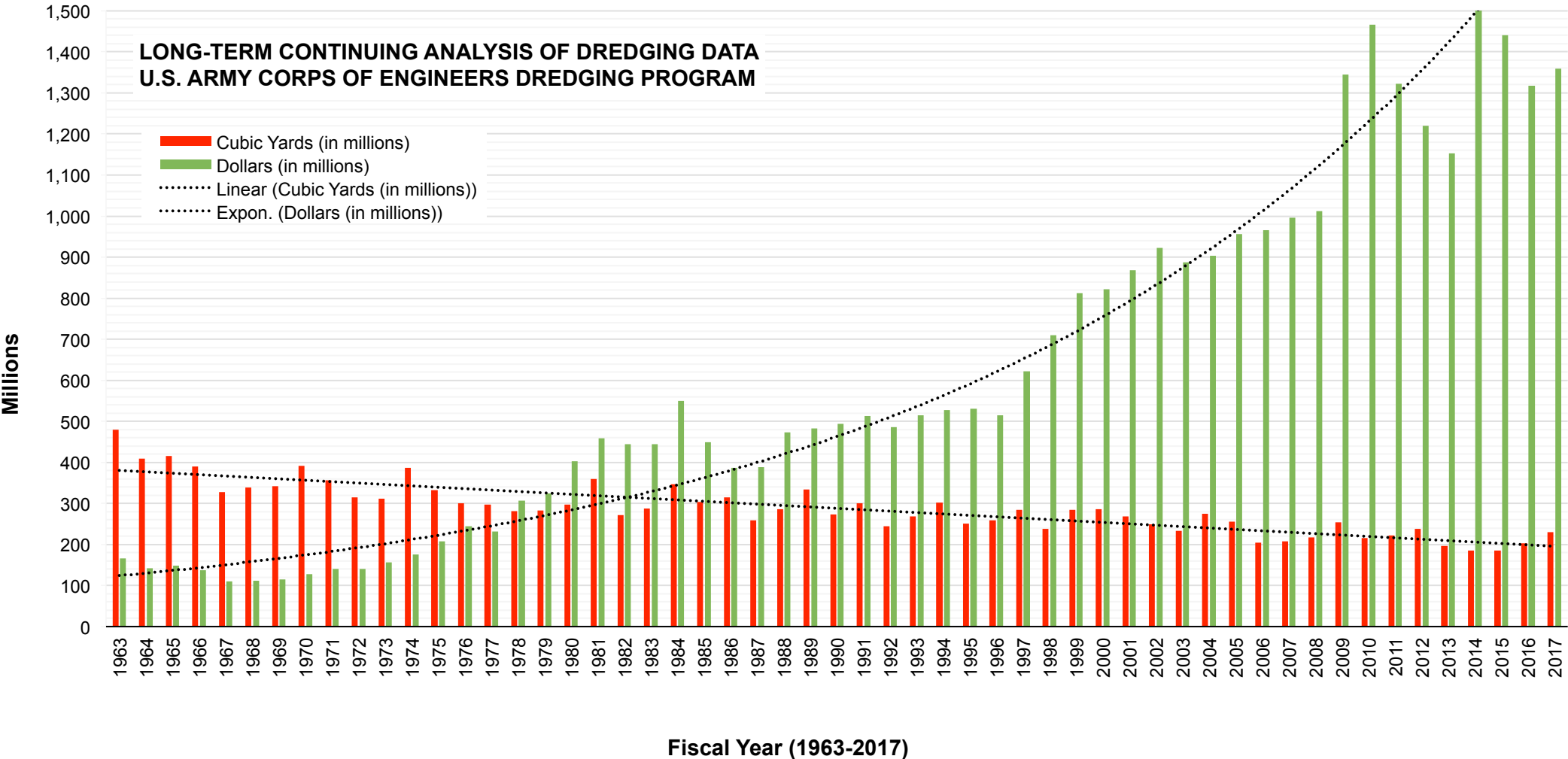




Questions?
Want to be on the PDT?
DIS Changes or Suggestions?
Need a POC?

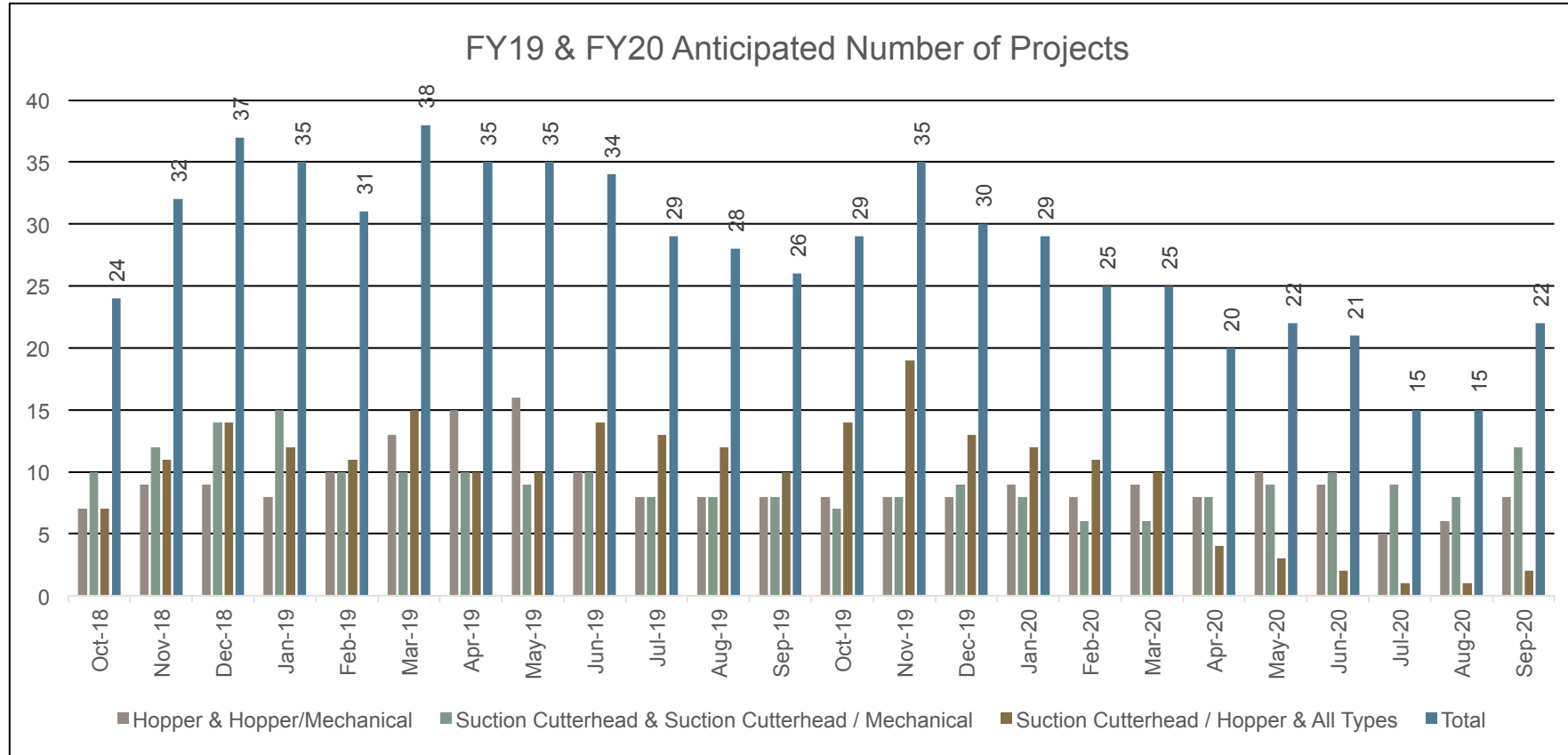
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CHALLENGES TO NAVIGATION DREDGING



Growing dredging requirements and increasing cost present strategic risk

5-YEAR DREDGING SCHEDULE

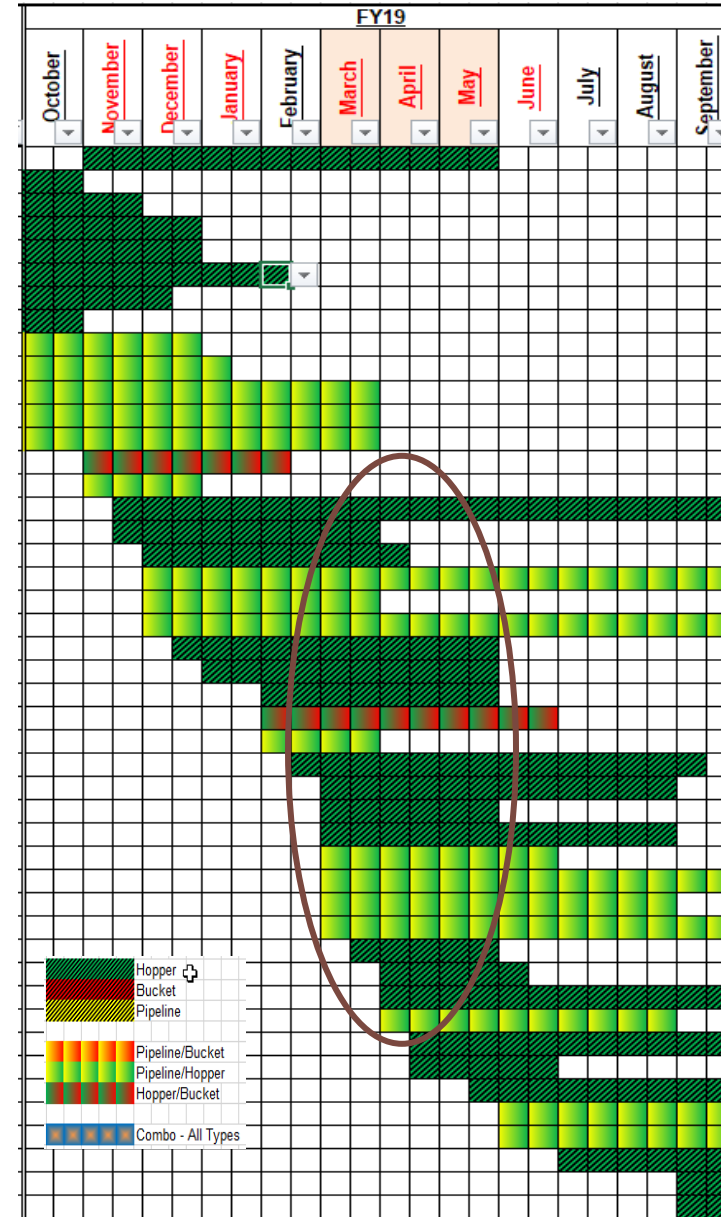


- Initial schedule compiled and shared in July / August 2018
- Resolution of schedule conflicts (October 2018)

DREDGE SCHEDULE CONFLICT - EXAMPLE

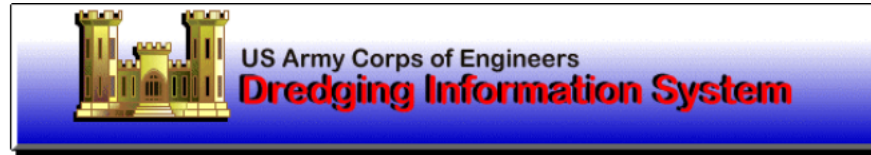


- Projected schedule reflects all FY19 Planned work (hopper, large pipeline)
- Several periods where requirement exceeds capacity.
- Pursuing approaches to minimize challenge to maintenance, construction.





AUTOMATED TOOLS



U.S. Army Corps of Engineers
Navigation Data Center
7701 Telegraph Road
Casey Building,
#2594, Room 223A
Alexandria, VA 22315-3868

Support hours are 0830-1700 ET and
via the DIS Mailbox
Email:
CEIWR-NDC.DIS@usace.army.mil

DIS Production

Logout | Home | **Job** | In House | POC Admin |

[Home](#) | [New Job and Pre-Bid Info](#) | [Edit Dates Unawarded Jobs](#) | [IFB Item Entry](#) | [Bid Item Entry](#) | [Post Bid Info](#) | [Actual Costs](#) | [Job Completion](#) | [Continuing Contracts Entry](#) |

The DISTCODE is: ALL Jobkey Fiscal Year Search String Not Set!

Jobkey Fiscal Year (Last Two Digits): [Go](#)

Dredging Information System

The following is a list of the Dredging Information System (DIS). A description of each form is displayed by a mouse over of the respective link. The forms may be invoked by clicking on the link.

Job - New Job and Pre-bid Info	Job - Edit Dates Unawarded Jobs
Job - IFB Item Entry - Government Estimate	Job - Bid Item Entry - Contractor Bids
Job - Post Bid Info - Select Winning Bidder	Job - Actual Costs
Job - Job Completion	Job - Continuing Contracts Entry
In House - In House Job Entry or Editing - Corps Dredge Info	
POC Admin - Change Jobkey	POC Admin - Disposal Job Maintenance - Material Placement
POC Admin - Disposal Site Maintenance	POC Admin - Job Project Maintenance - Multi CWIS Info
Reports	
DIS Q/A Reports	
User's Guide	

- Dredge Project Selection
- Dredge Schedule Optimization
- Dredging Information System (DIS)

Expanding use of Available Tools to Inform Decisions and Improve Program Performance



CLOSING COMMENTS



Thank you!

Questions?

Want to be on the PDT?

DIS Changes or Suggestions?

Need a POC?

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