



CALIFORNIA MARINE AFFAIRS AND NAVIGATION CONFERENCE

SAN FRANCISCO DISTRICT OVERVIEW

LTC Virginia Brickner

District Commander/Engineer

Tommy Williams

Deputy District Engineer
for Programs, Planning &
Project Management



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San Francisco District Leadership



Maj. Peter Linscheid
Deputy District
Commander



Lt. Col. Virginia Brickner
District Commander



Tommy Williams
Chief, P3MD



Merry Goodenough
Chief,
Office of Counsel



Robin Inaba
Chief,
Engineering & Construction
(E&C)



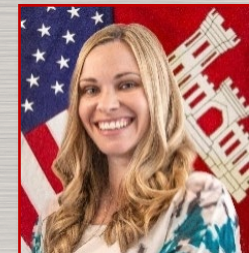
Dr. Nicholas Malasavage
Chief,
Operations & Readiness



Jim Mazza
Chief,
Regulatory Division



Rebecca Perez
Chief,
Resource Management



Mary Fronck
Chief,
Contracting Office



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SAN FRANCISCO DISTRICT MISSION

Deliver safe and innovative navigation, flood risk, ecosystem restoration, and government facilities solutions and support for the Nation.



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SAN FRANCISCO DISTRICT SIZE



>40,000 sq mi
Area of responsibility



900 miles
of coastline



>90 species
Bay Area threatened & endangered species



>6.5 million
People



50 Tribes
Federally & non-federally recognized



22 channels
dredged to support commerce



\$654 Billion
GDP of Bay Area in 2022



\$68 Billion
Annual Maritime Industry in Bay Area



>1,000 miles
of federally-constructed levees



22 Delegates
Congressional Reps and Senators



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SAN FRANCISCO DISTRICT PROJECTS



USACE San Francisco District
FY2025 Project Portfolio



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SAN FRANCISCO DISTRICT IMPACT

1st **In the Nation**
to apply forecast informed
reservoir operations to
improve water
management



1000 tons
of debris removed from
the San Francisco Bay in
2023



>600,000 people
in 3 counties get water from
the District's Lake Sonoma &
Lake Mendocino

1st **On the West Coast**
to pilot shallow water
placement of dredged
material to nourish SF
Bay marshes



~2M cubic yards
of sediment dredged from
channels on average per
year



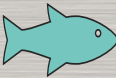
500,000 visitors
visit the District's lakes
and Bay Model annually



**Largest Ecosystem
Restoration
Project**
west of the Mississippi
River – South San
Francisco Bay Shoreline
Project



75% beneficial use
of dredged sediment for
wetlands and shoreline
improvements in 2024



522,000 smolts
including 123,000
endangered Coho
released in Russian River
in 2024



4661 permits
finalized by the District in
the past 5 years.



85% of permits
requests evaluated by the
District within 60 days -
678 requests received in
2024



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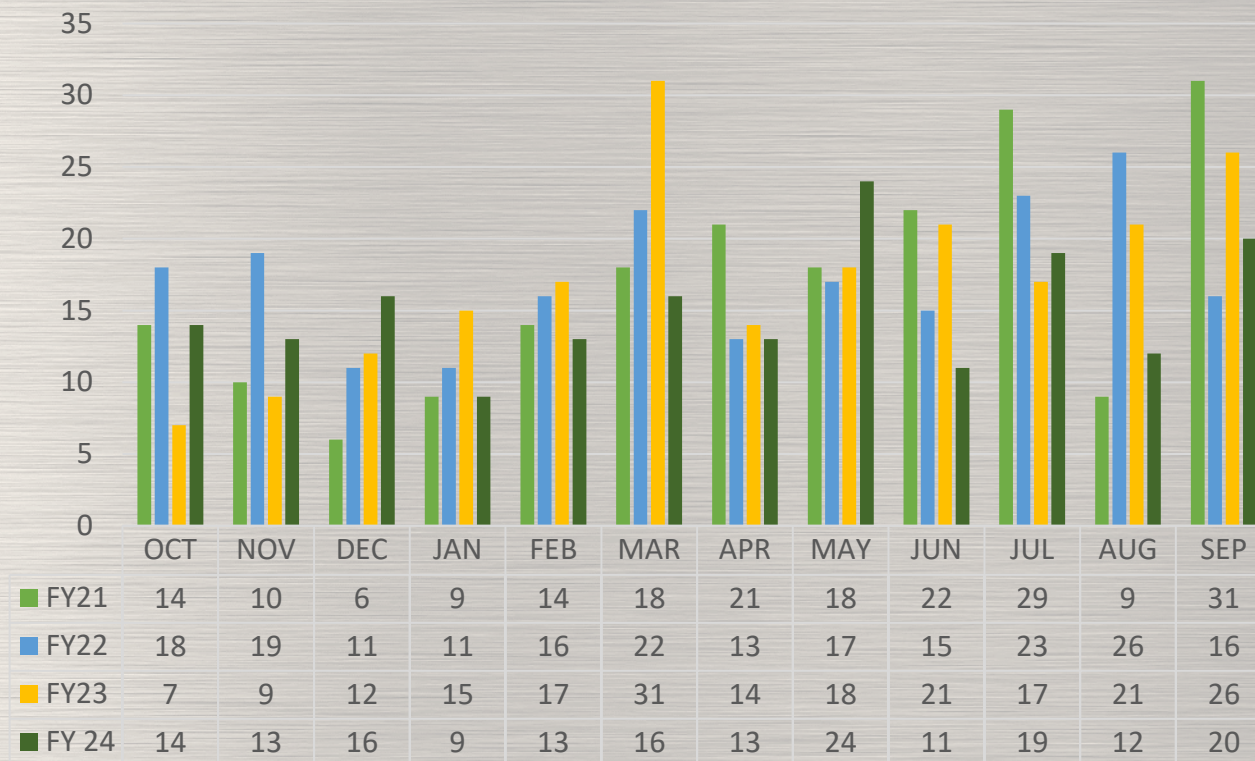


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CONTRACTING DIVISION

- Manages an average of 260 actions and approximately \$105M per year in contracts.
- Consists of Contracting Chief, two Team Leads, and up to seven Contract Specialists.
- Executes SPD contract actions in support of the Division.
- Consistently surpasses small business goals.
 - FY25 (as of 25 Jul): 127 actions / \$37M — 71% actions, 48% dollars to small business.
 - FY24: ~190 actions / \$72M — 72% actions and dollars to small business
 - FY23: ~184 actions / \$105M — 66% actions and dollars to small business



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WATER RESOURCES PROGRAM

**We plan, design, and
construct water
resources projects**

Ecosystem Restoration
Flood Risk Management
Coastal Storm Risk Management
Navigation
Water Supply
Environmental Infrastructure



Largest Ecosystem Restoration Project
west of the Mississippi River – South San
Francisco Bay Shoreline Project



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INTERAGENCY AND INTERNATIONAL SERVICES (IIS) MILITARY CONSTRUCTION (MC)

**We plan, design,
demolish, renovate and
construct projects for
other federal agencies**

*DVA Super Construction Medical
Facilities Program*

DVA-National Cemetery Admin

DOE-Department of Energy

EPA-Environmental Protection

US Army Reserve MC ERCIP



\$500M - \$1Billion

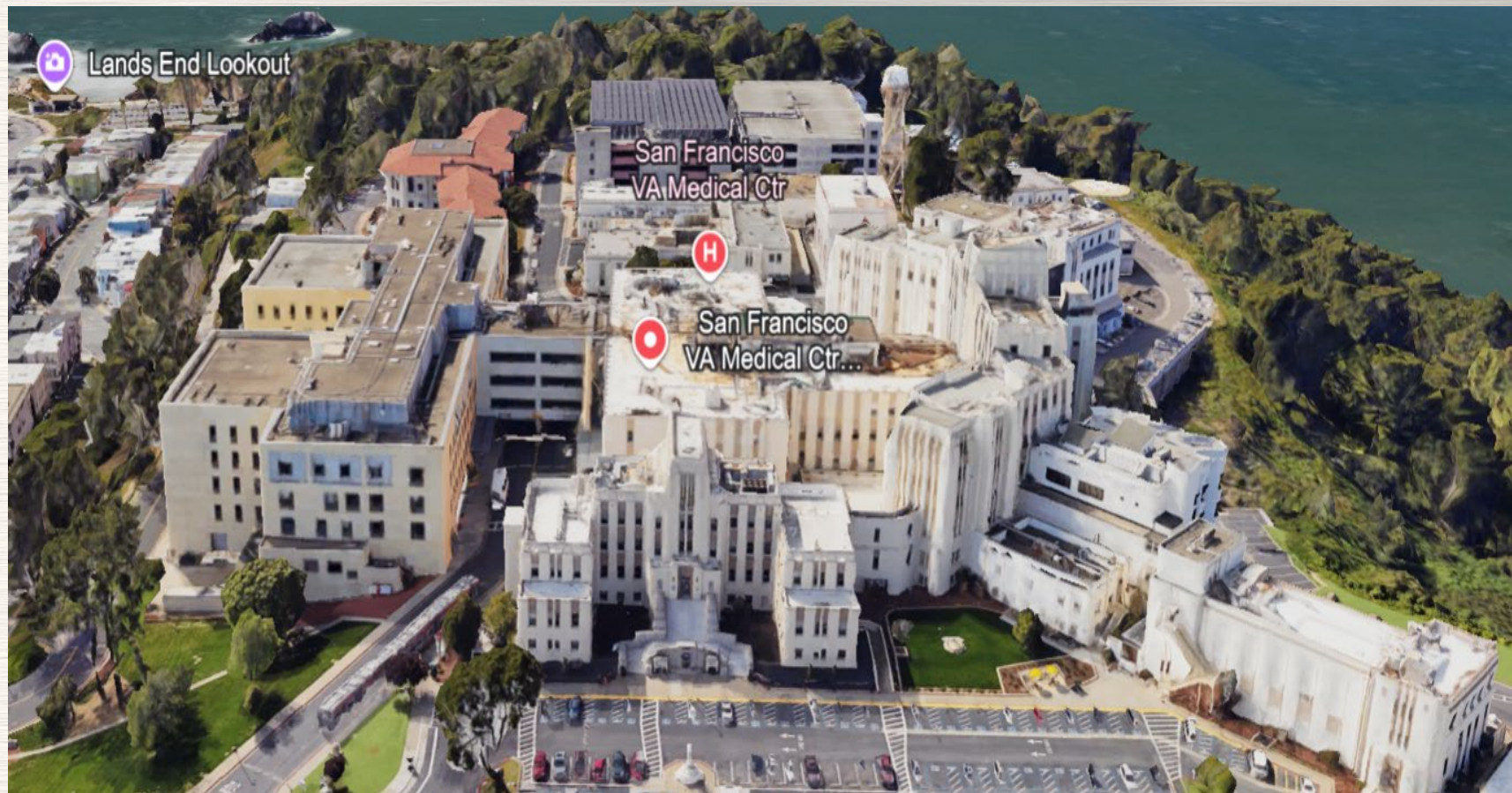
Estimated Total Project Value for
current and future work



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SAN FRANCISCO DISTRICT NAVIGATION

We deliver safe and sustainable waterborne transportation

Program and Projects:



Averages 14 projects and \$75M per year and debris mission



- 10 Annual Projects
- 7 Active Non-Annual Projects



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OPERATIONS & MAINTENANCE PROGRAM

**We operate and maintain
federal facilities**

Federal Ship Channels



1000 tons

of debris removed from the
San Francisco Bay in 2024



~2M cubic yards

of sediment dredged from
channels on average per year



75% beneficial use

of dredged sediment for
wetlands and shoreline
improvements in 2024



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FY25 Dredging Projects

➤ **CONTRACT (Annual Project)**

• Humboldt Bar & Entrance*	<i>Completed</i>
• San Joaquin River	<i>Underway</i>
• Sacramento River DWSC	<i>Underway</i>
• Suisun Bay	<i>Underway</i>
• Redwood City Harbor	<i>Pending Award</i>
• Richmond Inner Harbor	<i>Bid Opening 9/5</i>
• Oakland Harbor	<i>Advertise 9/5</i>

*Portland District West Coast Hopper Contract

➤ **CONTRACT (Non-Annual Projects)**

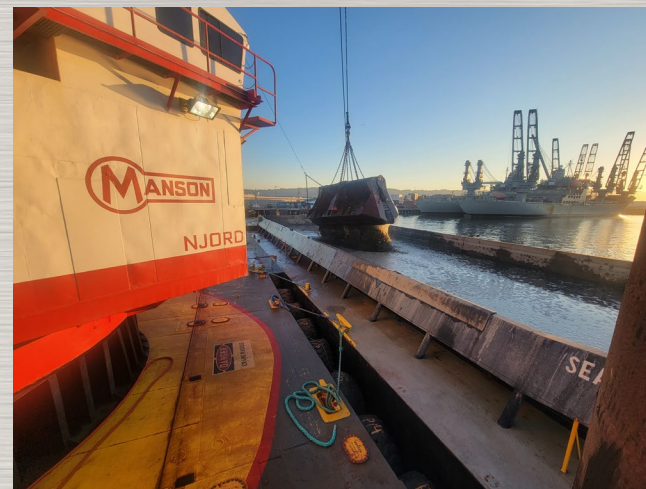
• Petaluma River	<i>Pending Award</i>
• Moss Landing Harbor	<i>Underway</i>
• MOTCO	<i>Underway</i>



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➤ **GOV'T HOPPER (Annual Projects)**

• Humboldt Bar & Entrance	<i>Completed</i>
• Humboldt Interior Channels	<i>Completed</i>
• SF Main Ship Channel	<i>Completed</i>
• San Pablo Bay (Pinole Shoal)	<i>Completed</i>

➤ **GOV'T HOPPER (Non-Annual Projects)**

- None



SF Bay Regional Dredged Material Management Plan (RDMMP)

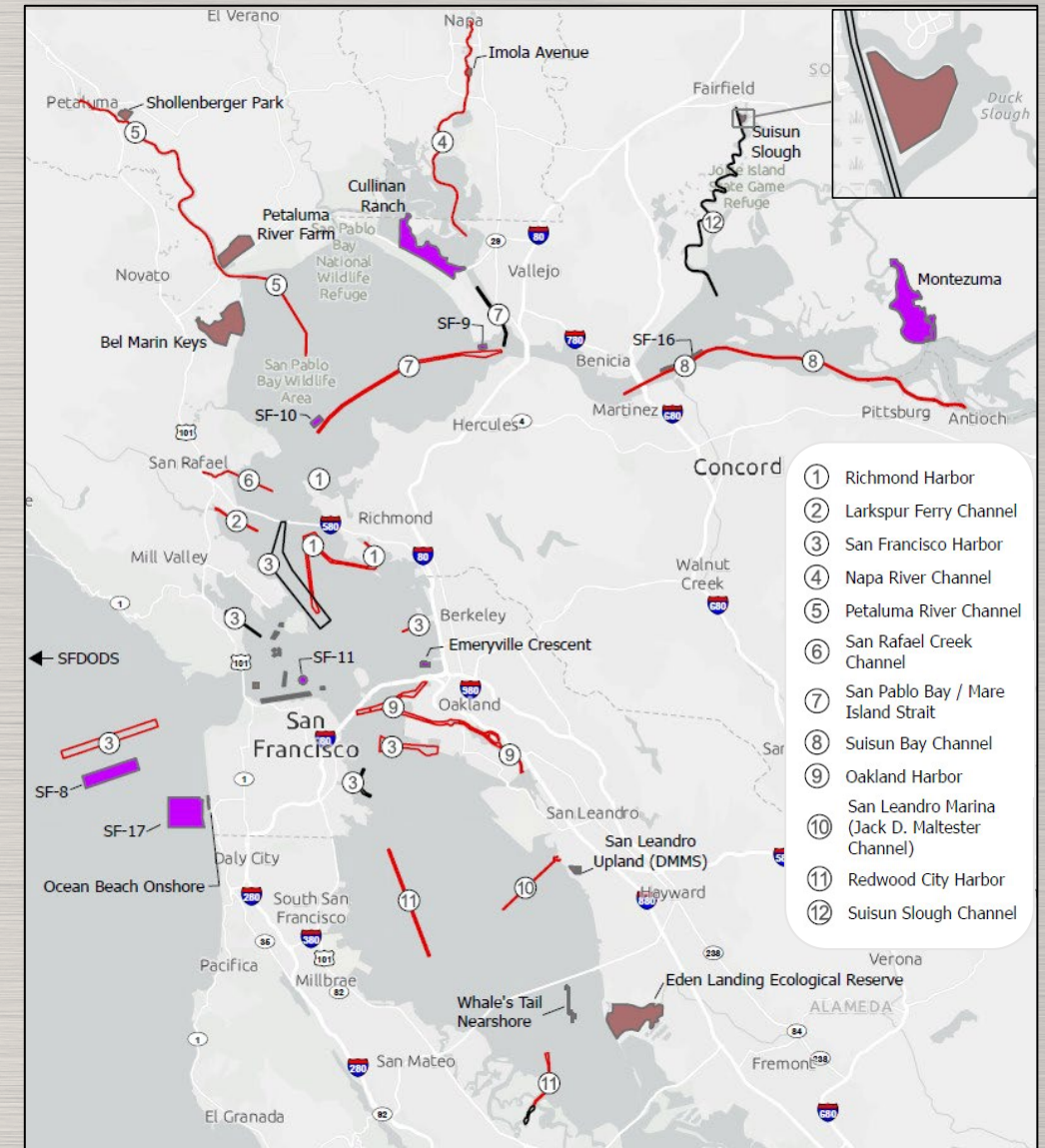
- Current study to identify capacity for placement of 20 years of Federal O&M Dredging material
- Establish the Federal Standard “Base Plan” & identify / evaluate alternatives
- Determine Recommended Plan for new multi-year environmental compliance
- Broad stakeholder engagement throughout
- **PHASE I – RDMMP Scope of work** (completed; 2020-2022)
 - Stakeholder Charrettes
 - Data gap analysis
- **PHASE II – Complete RDMMP** (ongoing; 2022-2025)
 - Complete studies to fill data gaps
 - Plan formulation and evaluation
 - Final report and environmental approvals



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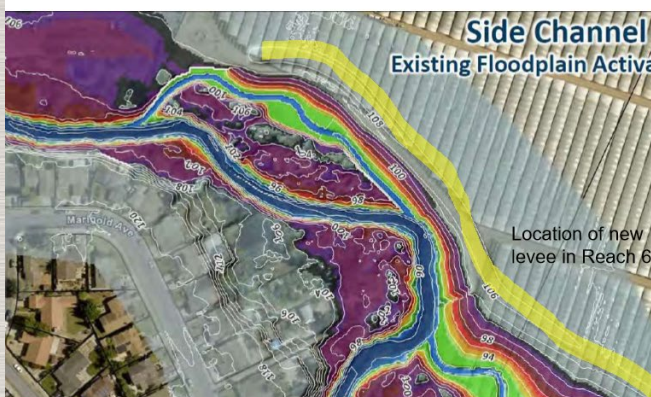
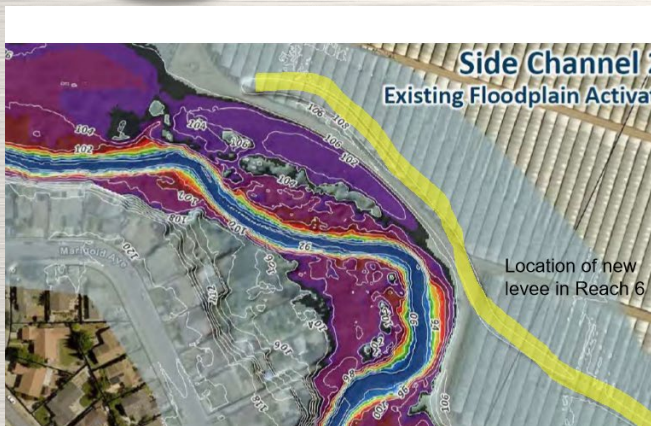
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* Not shown: San Francisco Deep Ocean Disposal Site (SF-DODS)



ENGINEERING WITH NATURE (EWN)



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•SPN Proving Ground:

Supporting project teams integrating Nature-based Solutions (NBS) into USACE projects across SPD and elsewhere.

•Win-Win-Wins:

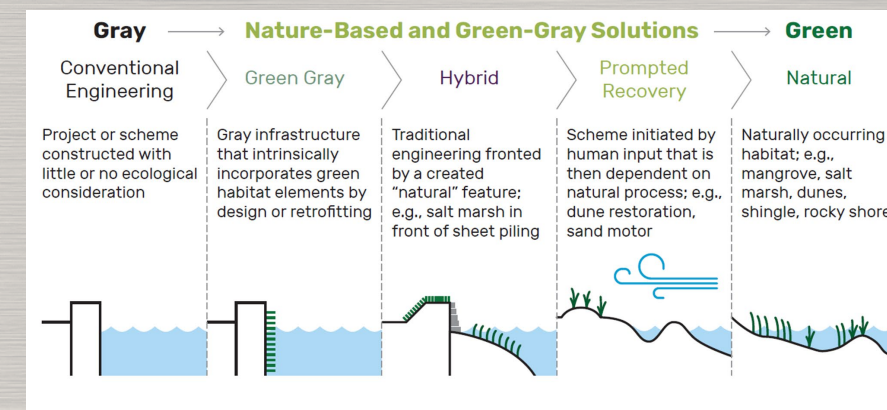
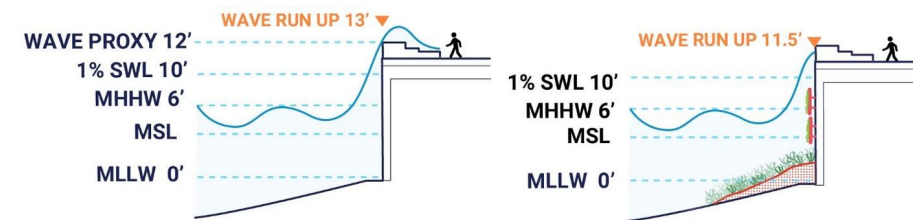
NBS can achieve mission goals, lower cost, improve regulatory coordination and community buy-in

•Partnerships:

With agencies, universities, and other groups bring opportunities and innovation to projects.

•Centering community:

Focusing on places with less investment, where humans can benefit from NBS.





FORECAST INFORMED RESERVOIR OPERATIONS (FIRO)

FIRO

A joint research and development effort with local, state, and federal agencies to evaluate the viability of using weather forecasts to inform reservoir operations

Existing water control plans typically require storage in the flood control space of a reservoir be emptied after storms have concluded, regardless of future forecasted conditions

- FIRO is unique in that it would allow some storage to be retained within the flood control space if forecasts are favorable
- FIRO helps address potential drought conditions that exist within a given water year by increasing water conservation opportunities
- FIRO can potentially help address other environmental conditions and needs

Tested, in real-time operations via deviations

- Current approved water control plans for Russian River watershed:

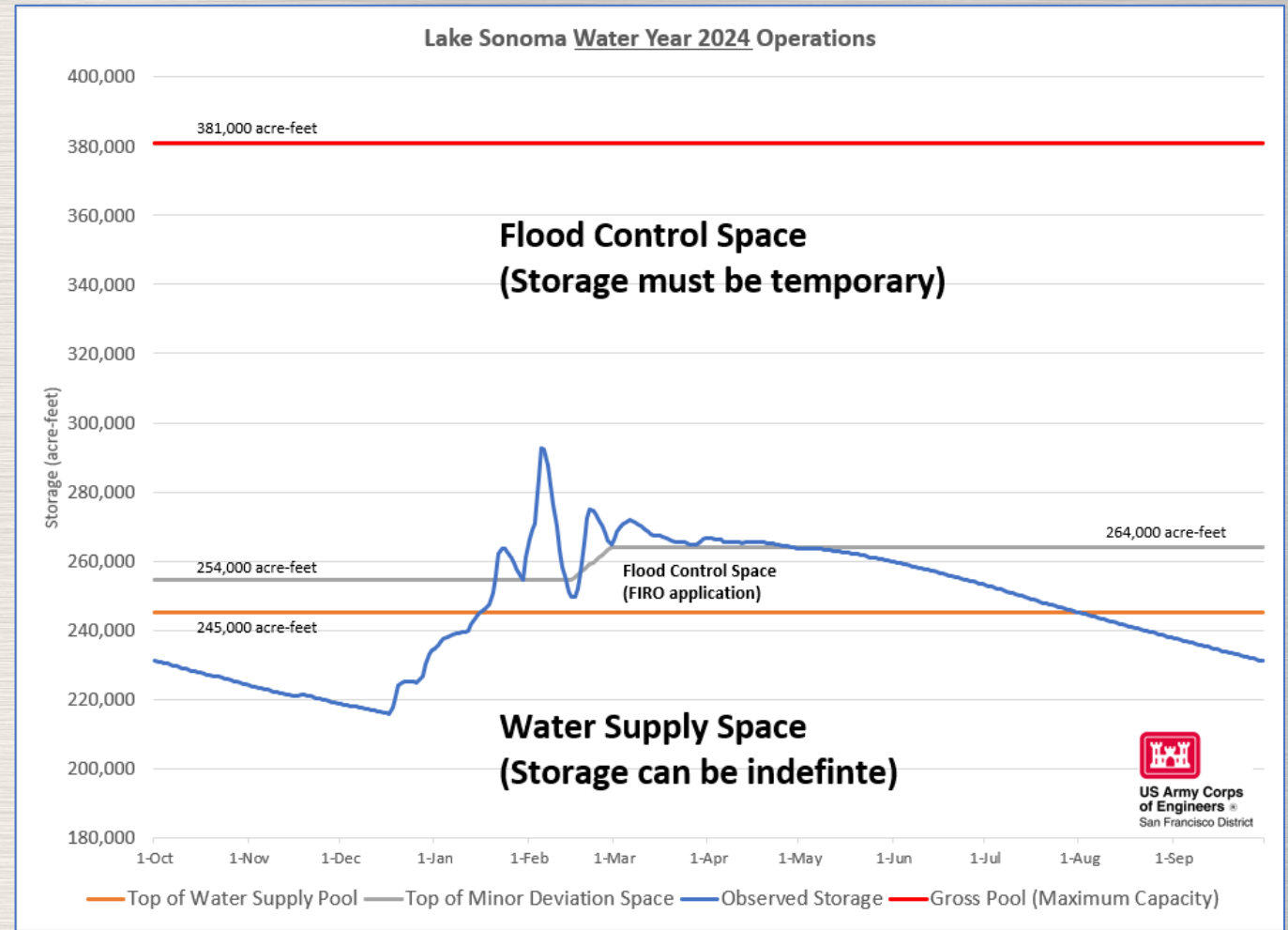
Lake Mendocino
Lake Sonoma



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Storage of Lake Sonoma (blue line) is normally held near the top of water supply pool (orange line), to the extent possible, after storms have occurred and flood releases have been made. **Because of implementation of FIRO in real-time in Water Year 2024, an additional 19,000 acre-feet of water was retained (near the gray line) instead of released at this reservoir.** For context, the recent annual water deliveries for the local sponsor of this lake was approximately 43,000 acre-feet.



REGULATORY PROGRAM

We protect the nation's waters while allowing for reasonable development



4661 permits

(general and individual permits)
finalized by the District
in the past 5 fiscal years



85% of general permits

issued by the District within 60 days
in fiscal year 2024
(678 requests received)



89% of individual permits

issued by the District within 120 days
in fiscal year 2024
(47 requests received)



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FACILITIES AND PUBLIC LANDS

We maintain facilities for natural resource management and enjoyment for people

Dams and Reservoirs



>600,000 people
in 3 counties get water from the District's Lake Sonoma & Lake Mendocino



1.26M visitors
at the District's lakes and Bay Model annually



252
School groups tour the Bay Model



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EMERGENCY MANAGEMENT

**We support local, state,
tribal and national
emergency management**

Disaster Response



Flood Fight Assistance



Flood Damage repairs

for Flood Control Works active in our
Public Law 84-99 Program



FEMA Missions supported

42 Personnel deployed in 2025 to
Florida (Hurricane Milton), Georgia
and North Carolina (Hurricane
Helene), and Los Angeles (SoCal
Wildfires)



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Engineering & Construction Division's Branches Supports SPN's Mission

Navigation Flood Risk Management Ecosystem Restoration

 Engineering: Provides civil, hydrology & hydraulic, geotechnical and Cost Engineering services

 Construction & Veterans Affairs: Provides construction contract administration (ACO/COR Authority) & enforces safety requirements IAW EM 385-1-1

 Geospatial: Performs hydrographic, aerial and topographic surveys, prepares plan sets for project designs and supports Geographic Information Systems (GIS)



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