

# SAN FRANCISCO DISTRICT DREDGING PROGRAM

AL PANICCIA  
Chief, Navigation Branch  
San Francisco District

CMANC SPRING MEETING  
San Diego, CA  
Date: 17 MAY 2023



U.S. ARMY  
of Engineers®



San Francisco Main Ship Channel



Pinole Shoal Channel





# SAN FRANCISCO DISTRICT NAVIGATION PROJECTS

U.S. ARMY



- 21 Projects with Federal Navigation Channels
- 4 Projects with Navigation Structures only



# FY24 AUTHORIZATIONS

U.S. ARMY



PROJECT	OPERATIONS	MAINT.	TOTAL PBUD	IJA 3/9/23	Earmarks Approp Bill 3/8/24	Reductions to PBUD	Workplan 5/13/24	TOTAL
BENEFICIAL USE OF DREDGED MATERIAL PILOT PROGRAM			\$0				\$7,740,000	\$7,740,000
BERKELEY MARINA, ALAMEDA COUNTY, CA			\$0				\$20,000	\$20,000
BODEGA BAY, CA	\$20,000		\$20,000					\$20,000
CRESCENT CITY HARBOR, CA	\$20,000	\$6,474,000	\$6,494,000					\$6,494,000
FISHERMAN'S WHARF AREA, CA	\$40,000		\$40,000					\$40,000
HUMBOLDT HARBOR AND BAY, CA	\$20,000	\$9,416,000	\$9,436,000			-\$2,750,000		\$6,686,000
MONTEREY HARBOR, CA	\$20,000		\$20,000					\$20,000
MOSS LANDING HARBOR, CA	\$20,000		\$20,000					\$20,000
OAKLAND HARBOR, CA	\$340,000	\$24,660,000	\$25,000,000					\$25,000,000
PETALUMA RIVER, CA		\$7,662,000	\$7,662,000			-\$1,740,000		\$5,922,000
PILLAR POINT HARBOR, CA	\$20,000		\$20,000					\$20,000
REDWOOD CITY HARBOR, CA		\$3,016,000	\$3,016,000		3,728,000			\$6,744,000
RICHMOND HARBOR, CA	\$20,000	\$10,528,000	\$10,548,000				\$1,500,000	\$12,048,000
SACRAMENTO RIVER (30 FOOT CHANNEL), CA		\$6,672,000	\$6,672,000			-\$3,350,000		\$3,322,000
SAN FRANCISCO BAY LTMS	\$505,000		\$505,000	\$7,994,000.00				\$8,499,000
SAN FRANCISCO HARBOR AND BAY (DRIFT REMOVAL), CA	\$118,000	\$5,431,000	\$5,549,000					\$5,549,000
SAN FRANCISCO HARBOR, CA		\$6,806,000	\$6,806,000			-\$3,400,000		\$3,406,000
SAN JOAQUIN RIVER (PORT OF STOCKTON), CA		\$10,889,000	\$10,889,000					\$10,889,000
SAN PABLO AND MARE ISLAND STRAIT, CA		\$300,000	\$300,000				\$1,336,000	\$1,636,000
SANTA CRUZ HARBOR, CA	\$20,000	\$540,000	\$560,000		1,600,000			\$2,160,000
SUISUN BAY CHANNEL, CA		\$6,559,000	\$6,559,000					\$6,559,000
<b>TOTAL</b>			<b>\$100,116,000</b>	<b>\$7,994,000</b>	<b>\$5,328,000</b>	<b>-\$11,240,000</b>	<b>\$10,596,000</b>	<b>\$112,794,000</b>
							WORK PLAN ADDITION:	
							PBUD REDUCTION:	



# FY25 AUTHORIZATIONS

U.S. ARMY



PROJECT	OPERATIONS	MAINT.	TOTAL PBUD	IJA 3/9/23	Earmarks Approp Bill 3/8/24	Reductions to PBUD	Workplan 5/13/24	TOTAL
BENEFICIAL USE OF DREDGED MATERIAL PILOT PROGRAM			\$0					\$0
BERKELEY MARINA, ALAMEDA COUNTY, CA			\$0					\$0
BODEGA BAY, CA	\$21,000		\$21,000					\$21,000
CRESCENT CITY HARBOR, CA	\$21,000		\$21,000					\$21,000
FISHERMAN'S WHARF AREA, CA	\$42,000		\$42,000					\$42,000
HUMBOLDT HARBOR AND BAY, CA	\$21,000	\$14,209,000	\$14,230,000					\$14,230,000
MONTEREY HARBOR, CA	\$21,000		\$21,000					\$21,000
MOSS LANDING HARBOR, CA	\$21,000		\$21,000					\$21,000
NOYO RIVER AND HARBOR, CA		\$6,000,000	\$6,000,000					\$6,000,000
OAKLAND HARBOR, CA	\$430,000	\$26,016,000	\$26,446,000					\$26,446,000
PETALUMA RIVER, CA			\$0					\$0
PILLAR POINT HARBOR, CA	\$21,000		\$21,000					\$21,000
REDWOOD CITY HARBOR, CA		\$3,959,000	\$3,959,000					\$3,959,000
RICHMOND HARBOR, CA	\$21,000	\$12,128,000	\$12,149,000					\$12,149,000
SACRAMENTO RIVER (30 FOOT CHANNEL), CA		\$6,455,000	\$6,455,000					\$6,455,000
SAN FRANCISCO BAY LTMS	\$1,443,000		\$1,443,000					\$1,443,000
SAN FRANCISCO HARBOR AND BAY (DRIFT REMOVAL), CA	\$126,000	\$4,202,000	\$4,328,000					\$4,328,000
SAN FRANCISCO HARBOR, CA		\$5,144,000	\$5,144,000					\$5,144,000
SAN JOAQUIN RIVER (PORT OF STOCKSTON), CA		\$5,901,000	\$5,901,000					\$5,901,000
SAN PABLO AND MARE ISLAND STRAIT, CA		\$2,896,000	\$2,896,000					\$2,896,000
SANTA CRUZ HARBOR, CA	\$321,000	\$560,000	\$881,000					\$881,000
SUISUN BAY CHANNEL, CA		\$9,204,000	\$9,204,000					\$9,204,000
<b>TOTAL</b>			<b>\$99,183,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$99,183,000</b>
							WORK PLAN ADDITION:	
							PBUD REDUCTION:	







U.S. ARMY

# FY 2025 DREDGING PLAN



FY 2025 O&M DREDGING PLAN																				
Project	Target Solicitation	Target Bid Open	Target Award	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	Estimated CY	Dredge Type	Placement Site		
				FY2025						FY2026										
<b>CONTRACT CLAMSHELL OR CUTTERHEAD PIPELINE</b>																				
Oakland Harbor	5-Mar	4-Apr	18-Apr	→	◆	→	[Hatched Arrow]									700kcy	Clam Shell	SF-DODS		
Richmond Inner Harbor	19-Mar	18-Apr	2-May	→	◆	→	[Hatched Arrow]									350kcy	Clam Shell	SF-DODS		
San Joaquin River	2-Apr	2-May	16-May	→	◆	→	[Hatched Arrow]									175kcy	Cutterhead or Clamshell	Various Upland		
Sacramento River	16-Apr	16-May	30-May	→	◆	→	[Hatched Arrow]									150kcy	Cutterhead or Clamshell	Various Upland		
Suisun Bay Channel	29-Apr	29-May	12-Jun	→	◆	→	[Hatched Arrow]									100kcy	Clam Shell	SF-16		
MOTCO	13-May	12-Jun	26-Jun	→	◆	→	[Hatched Arrow]									TBD	Clam Shell	TBD		
Redwood City Harbor (Tier III Testing)	27-May	26-Jun	10-Jul	→	◆	→	[Hatched Arrow]									400kcy	Clam Shell	SF-11 SF-DODS		
Noyo River (Grain Size Testing)	10-Jun	13-Jul	27-Jul	→	◆	→	[Hatched Arrow]									40kcy	Cutterhead	Upland		
<b>WEST COAST HOPPER CONTRACT</b>																				
Humboldt Bar & Entrance Channels	30-Jan	TBD	TBD				→	WCH									300kcy	WCHC (Portland)	HOODS	
<b>GOVERNMENT HOPPER</b>																				
Humboldt Interior Channels	N/A	N/A	N/A				→	YAQ									150kcy	Govt Hopper	HOODS	
Humboldt Bar & Entrance Channels	N/A	N/A	N/A				→	ESS									900kcy	Govt Hopper	HOODS	
SF Main Ship Channel	N/A	N/A	N/A				→	ESS									350kcy	Govt Hopper	OBDS SF-8	
San Pablo Bay (Pinole Shoal)	N/A	N/A	N/A				→	ESS									250kcy	Govt Hopper	SF-10 SF-11	
Richmond Outer Harbor	N/A	N/A	N/A		D	E	F	E	R	R	E	D				250kcy	Govt Hopper	SF-10 SF-11		
				→	◆	→	West Coast Hopper Contract Gov't Dredge Yaquina Gov't Dredge Essayons													
				→	◆	→	Env Window Mobilization Physical Dredging Hopper Dredging													
																	Date of Last Update: 5/1/2024			

# FY24 AND FY25 CONTRACT DREDGING PROJECTS







U.S. ARMY

# OAKLAND HARBOR (ANNUAL)



<b>LOCATION:</b>	Oakland, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	BU/SF-DODS
<b>QUANTITY:</b>	700 kcy
<b>PROJECT DEPTH:</b>	-50 ft
<b>BUSINESS TYPE:</b>	Unrestricted
<b>ADVERTISE:</b>	APR 2024 and 2025
<b>BID OPENING:</b>	MAY 2024 and 2025
<b>COMMENCE DREDGING:</b>	JUN 2024 and 2025
<b>DREDGE COMPLETE:</b>	NOV 2024 and 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUN through 30 NOV

**NOTES:** Sec. 1122 funds to pay for incremental cost of BU.





U.S. ARMY

# SAN JOAQUIN RIVER, PORT OF STOCKTON (ANNUAL)



<b>LOCATION:</b>	San Joaquin River, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Cutterhead/Pipeline
<b>PLACEMENT:</b>	Adjacent Upland
<b>QUANTITY:</b>	150 kcy
<b>PROJECT DEPTH:</b>	-35 ft
<b>BUSINESS TYPE:</b>	Unrestricted
<b>ADVERTISE:</b>	APR 2024 and 2025
<b>BID OPENING:</b>	MAY 2024 and 2025
<b>COMMENCE DREDGING:</b>	JUL 2024 and 2025
<b>DREDGE COMPLETE:</b>	NOV 2024 and 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUL through 30 NOV

**NOTES:** Screening of 30% of total volume dredged required for fish entrainment. Use of clamshell pending reconsultation with FWS.



U.S. ARMY

# SACRAMENTO RIVER (30-FOOT PROJECT) (ANNUAL)



<b>LOCATION:</b>	Sacramento River, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Cutterhead/Pipeline
<b>PLACEMENT:</b>	Adjacent Upland
<b>QUANTITY:</b>	75 kcy
<b>PROJECT DEPTH:</b>	-30 ft
<b>BUSINESS TYPE:</b>	Unrestricted
<b>ADVERTISE:</b>	APR 2024 and 2025
<b>BID OPENING:</b>	MAY 2024 and 2025
<b>COMMENCE DREDGING:</b>	JUL 2024 and 2025
<b>DREDGE COMPLETE:</b>	OCT 2024 and 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	15 JUL through 31 OCT

**NOTES:** Screening of 30% of total volume dredged required for fish entrainment. Use of clamshell pending reconsultation with FWS.





U.S. ARMY

# SUISUN BAY CHANNEL (ANNUAL)



<b>LOCATION:</b>	Suisun Bay, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	SF-16
<b>QUANTITY:</b>	125 kcy
<b>PROJECT DEPTH:</b>	-35 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	APR 2024 and 2025
<b>BID OPENING:</b>	MAY 2024 and 2025
<b>COMMENCE DREDGING:</b>	AUG 2024 and 2025
<b>DREDGE COMPLETE:</b>	NOV 2024 and 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 AUG through 30 NOV

**NOTES:**



U.S. ARMY

# MOTCO LARGE OBJECTS RELOCATION (FY24 ONLY)



<b>LOCATION:</b>	Military Ocean Terminal Concord, CA
<b>FREQUENCY:</b>	One-Time
<b>DREDGE TYPE:</b>	N/A
<b>PLACEMENT:</b>	N/A
<b>QUANTITY:</b>	Approx. 25 objects
<b>PROJECT DEPTH:</b>	N/A
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	MAY 2024
<b>BID OPENING:</b>	JUN 2024
<b>COMMENCE CONSTRUCTION:</b>	AUG 2024
<b>CONSTRUCTION COMPLETE:</b>	OCT 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 AUG through 30 NOV

**NOTES:** Debris relocation, not dredging; MOTCO SRM Funding





U.S. ARMY

# MOSS LANDING HARBOR (FY24 ONLY)



<b>LOCATION:</b>	Moss Landing, CA
<b>FREQUENCY:</b>	3-Year Cycle
<b>DREDGE TYPE:</b>	Cutterhead/Pipeline
<b>PLACEMENT:</b>	BU
<b>QUANTITY:</b>	60 kcy
<b>PROJECT DEPTH:</b>	-15 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	MAY 2024
<b>BID OPENING:</b>	JUN 2024
<b>COMMENCE DREDGING:</b>	AUG 2024
<b>DREDGE COMPLETE:</b>	OCT 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	15 JUN through 30 NOV

**NOTES:** Placement at Moss Landing State Wildlife Area at Elkhorn Slough.



U.S. ARMY

# PETALUMA RIVER (FY24 ONLY)



<b>LOCATION:</b>	San Pablo Bay to Petaluma, CA
<b>FREQUENCY:</b>	River Channel: 4-Year Cycle Across-the-Flats: 3-Year Cycle
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	BU
<b>QUANTITY:</b>	175 kcy
<b>PROJECT DEPTH:</b>	-8 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	JUN 2024
<b>BID OPENING:</b>	JUL 2024
<b>COMMENCE DREDGING:</b>	SEP 2024
<b>DREDGE COMPLETE:</b>	NOV 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 AUG through 30 NOV

**NOTES:** Partnering with State Coastal Conservancy to fund the incremental cost over the Federal Standard.





U.S. ARMY

# CRESCENT CITY HARBOR (FY24 ONLY)



<b>LOCATION:</b>	Crescent City, CA
<b>FREQUENCY:</b>	5-Year Cycle
<b>DREDGE TYPE:</b>	Cutterhead/Pipeline
<b>PLACEMENT:</b>	Whaler Island
<b>QUANTITY:</b>	75 kcy
<b>PROJECT DEPTH:</b>	Entrance Channel: -20 ft Inner Basin & Marina: -15 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	JUL 2024
<b>BID OPENING:</b>	AUG 2024
<b>COMMENCE DREDGING:</b>	SEP 2024
<b>DREDGE COMPLETE:</b>	OCT 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUL through 30 NOV

**NOTES:**



U.S. ARMY

# REDWOOD CITY HARBOR (ANNUAL)



<b>LOCATION:</b>	Redwood City, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	Suitable to SF-11 Unsuitable to SF-DODS
<b>QUANTITY:</b>	400 kcy
<b>PROJECT DEPTH:</b>	-30 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	JUL 2024 and MAY 2025
<b>BID OPENING:</b>	AUG 2024 and JUN 2025
<b>COMMENCE DREDGING:</b>	SEP 2024 and JUL 2025
<b>DREDGE COMPLETE:</b>	NOV 2024 and DEC 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUN through 30 NOV

**NOTES:**





U.S. ARMY

# RICHMOND INNER HARBOR (ANNUAL)



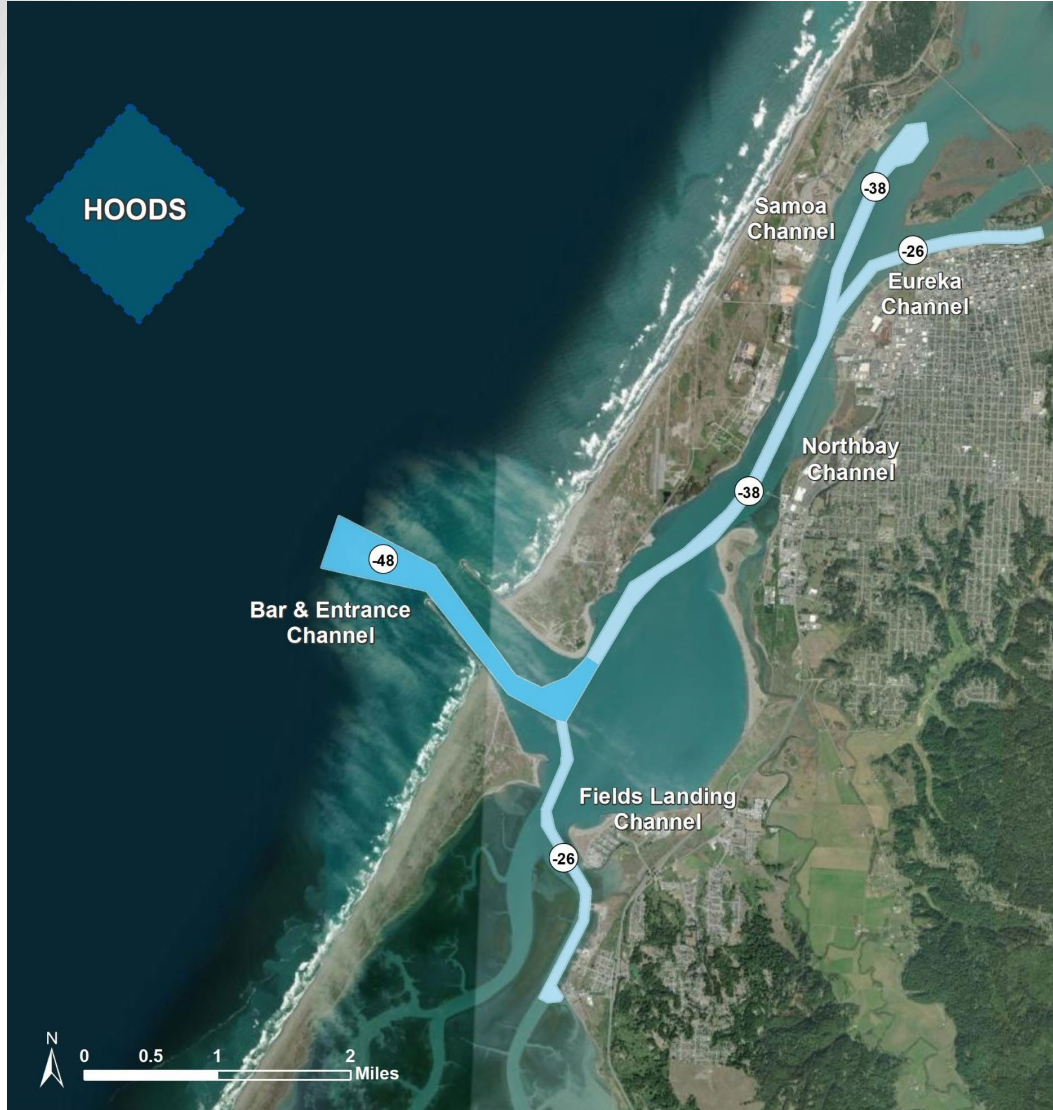
<b>LOCATION:</b>	Richmond, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	SF-DODS
<b>QUANTITY:</b>	350 kcy
<b>PROJECT DEPTH:</b>	-38 ft
<b>BUSINESS TYPE:</b>	Unrestricted
<b>ADVERTISE:</b>	SEP 2024
<b>BID OPENING:</b>	OCT 2024
<b>COMMENCE DREDGING:</b>	NOV 2024
<b>DREDGE COMPLETE:</b>	JAN 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUN through 30 NOV

**NOTES:** May switch to BU if sec 1122 funds become available.



U.S. ARMY

# HUMBOLDT BAR & ENTRANCE CHANNELS (ANNUAL)



<b>LOCATION:</b>	Eureka, CA
<b>DREDGE TYPE:</b>	Contract Hopper
<b>PLACEMENT:</b>	HOODS
<b>QUANTITY:</b>	900 kcy
<b>DEPTH:</b>	-48 ft
<b>BUSINESS TYPE:</b>	Unrestricted
<b>ADVERTISE:</b>	FEB 2024
<b>BID OPENING:</b>	MAR 2024
<b>COMMENCE DREDGING:</b>	JUN 2024
<b>DREDGE COMPLETE:</b>	JUL 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 APR through 30 NOV

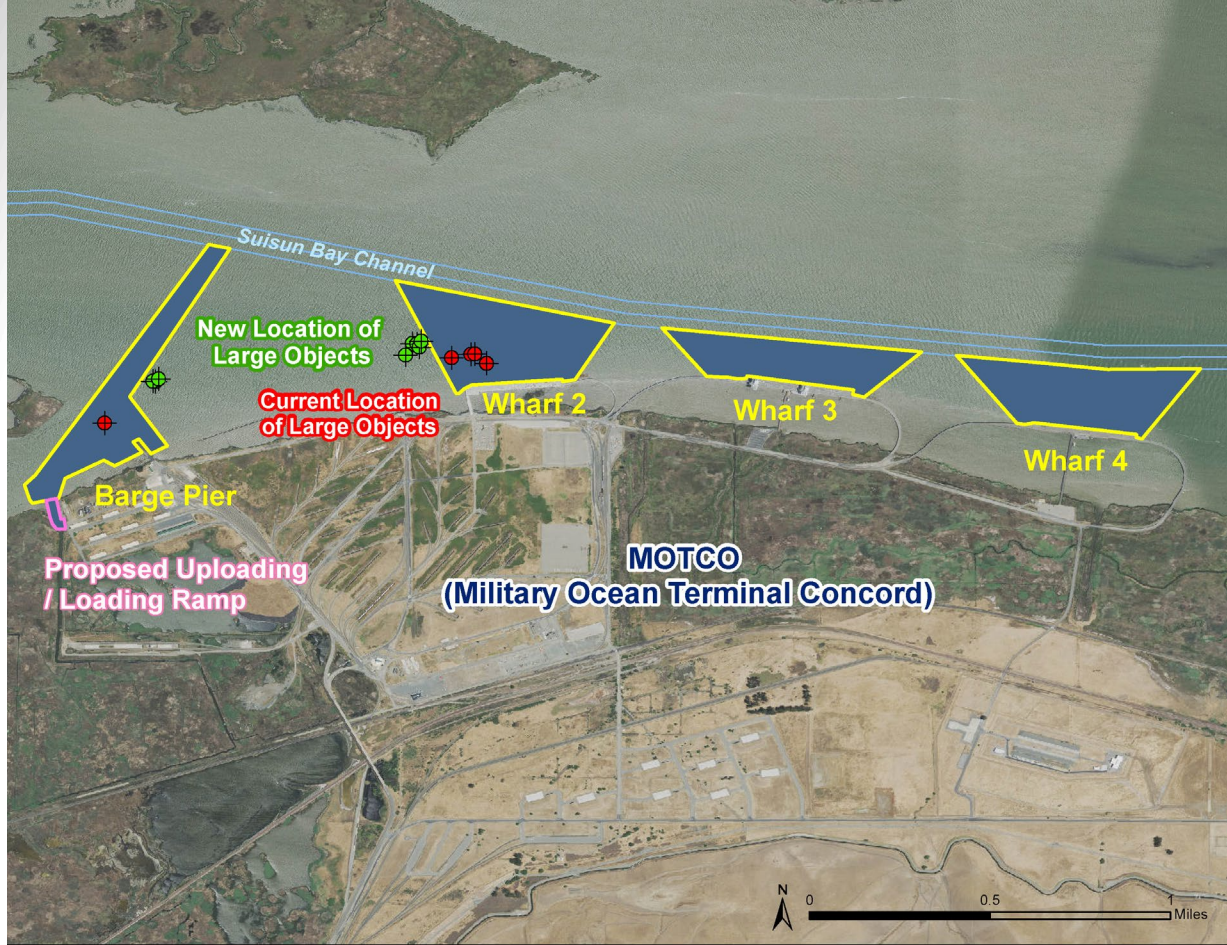
**NOTES:** Portland District West Coast Hopper Contract. Awarded on 3/8/2024.





# MOTCO DREDGING (FY 25 ONLY)

U.S. ARMY



<b>LOCATION:</b>	Military Ocean Terminal Concord, CA
<b>FREQUENCY:</b>	Initial Event/ As-Needed Thereafter
<b>DREDGE TYPE:</b>	Clamshell
<b>PLACEMENT:</b>	BU at Seal islands
<b>QUANTITY:</b>	First Yr: 120 kcy Maintenance: 40 kcy
<b>PROJECT DEPTH:</b>	Boat Ramp: -10 ft Barge: -20 ft Wharfs 2,3, & 4: -35 ft
<b>BUSINESS TYPE:</b>	Large Business
<b>ADVERTISE:</b>	MAY 2025
<b>BID OPENING:</b>	JUN 2025
<b>COMMENCE CONSTRUCTION:</b>	AUG 2025
<b>CONSTRUCTION COMPLETE:</b>	November 2026
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 AUG through 30 NOV

**NOTES:** MOTCO SRM Funding



U.S. ARMY

# NOYO RIVER AND HARBOR (FY25 ONLY)



<b>LOCATION:</b>	Fort Bragg, CA
<b>FREQUENCY:</b>	3-Year Cycle
<b>DREDGE TYPE:</b>	Cutterhead
<b>PLACEMENT:</b>	Upland
<b>QUANTITY:</b>	40 kcy
<b>PROJECT DEPTH:</b>	-10 ft
<b>BUSINESS TYPE:</b>	SBA Set-Aside
<b>ADVERTISE:</b>	JUN 2025
<b>BID OPENING:</b>	JUL 2025
<b>COMMENCE DREDGING:</b>	SEP 2025
<b>DREDGE COMPLETE:</b>	OCT 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUL through 31 OCT

**NOTES:**



# FY24 AND FY25 GOVERNMENT HOPPER PROJECTS (4 Total)







U.S. ARMY

# HUMBOLDT INTERIOR CHANNELS (ANNUAL)



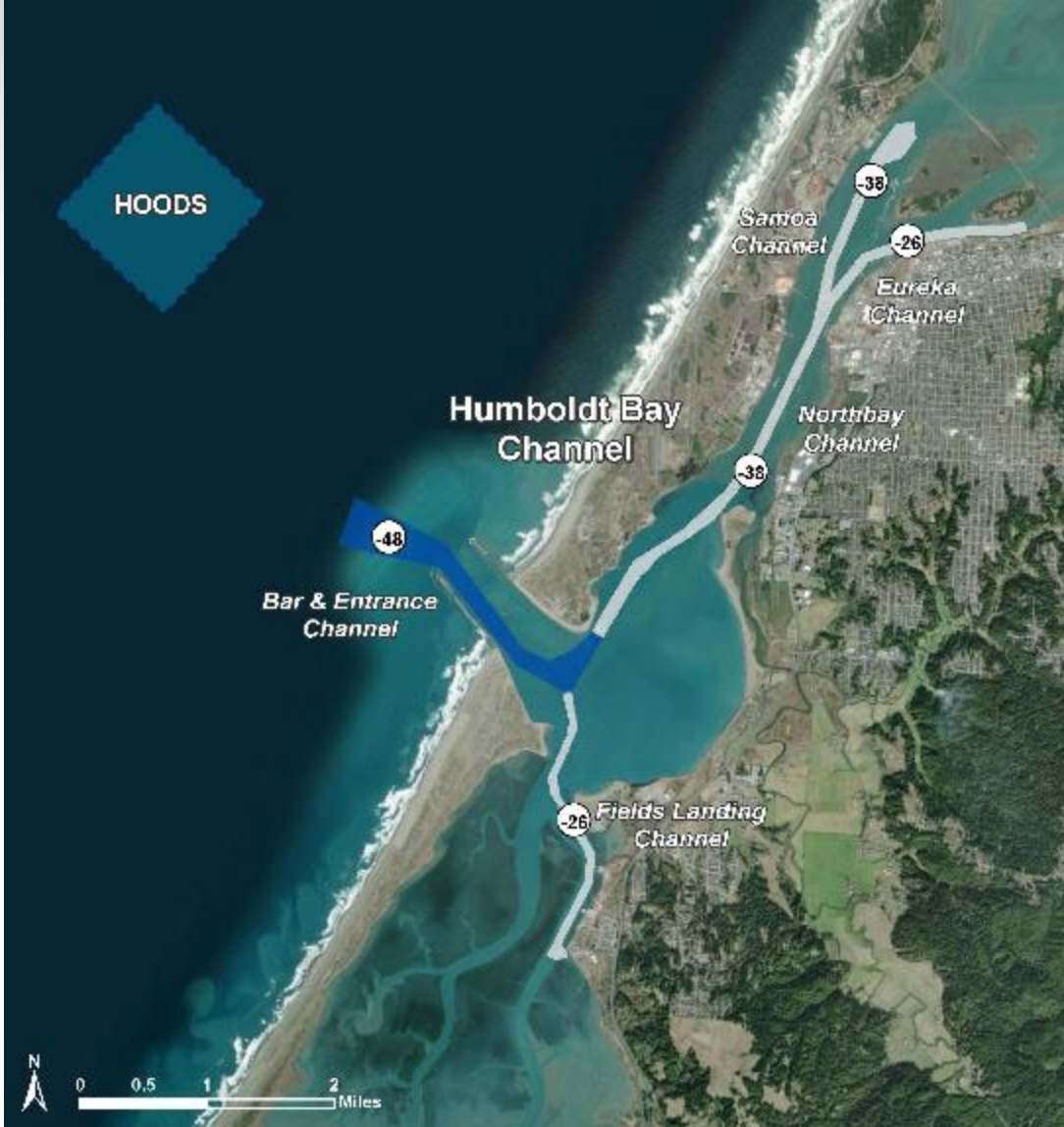
<b>LOCATION:</b>	Eureka, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Govt Hopper Yaquina
<b>PLACEMENT:</b>	HOODS
<b>QUANTITY:</b>	150 kcy
<b>DEPTH:</b>	North Bay & Samoa: -38 ft Eureka Channel: -26 ft
<b>BUSINESS TYPE:</b>	N/A
<b>ADVERTISE:</b>	N/A
<b>BID OPENING:</b>	N/A
<b>COMMENCE DREDGING:</b>	MAY 2024
<b>DREDGE COMPLETE:</b>	MAY 2024
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 APR through 30 NOV
<b>NOTES:</b>	





U.S. ARMY

# HUMBOLDT BAR & ENTRANCE CHANNELS (ANNUAL)



<b>LOCATION:</b>	Eureka, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Govt Hopper Essayons
<b>PLACEMENT:</b>	HOODS
<b>QUANTITY:</b>	300 kcy
<b>DEPTH:</b>	-48 ft
<b>BUSINESS TYPE:</b>	N/A
<b>ADVERTISE:</b>	N/A
<b>BID OPENING:</b>	N/A
<b>COMMENCE DREDGING:</b>	OCT 2024
<b>DREDGE COMPLETE:</b>	OCT 2024
<b>WORK RESTRICTIONS/WINDOW:</b>	1 APR through 30 NOV

**NOTES:** Dredging moved from JUN to OCT timeframe to avoid conflict with WCHC dredging in B&E Channel.



U.S. ARMY

# SAN FRANCISCO MAIN SHIP CHANNEL (ANNUAL)



<b>LOCATION:</b>	San Francisco, CA
<b>FREQUENCY:</b>	Annual
<b>DREDGE TYPE:</b>	Govt Hopper Essayons
<b>PLACEMENT:</b>	SF-17
<b>QUANTITY:</b>	350 kcy
<b>DEPTH:</b>	-55 ft
<b>BUSINESS TYPE:</b>	N/A
<b>ADVERTISE:</b>	N/A
<b>BID OPENING:</b>	N/A
<b>COMMENCE DREDGING:</b>	JUN 2024
<b>DREDGE COMPLETE:</b>	JUL 2024
<b>WORK RESTRICTIONS/WINDOW:</b>	N/A

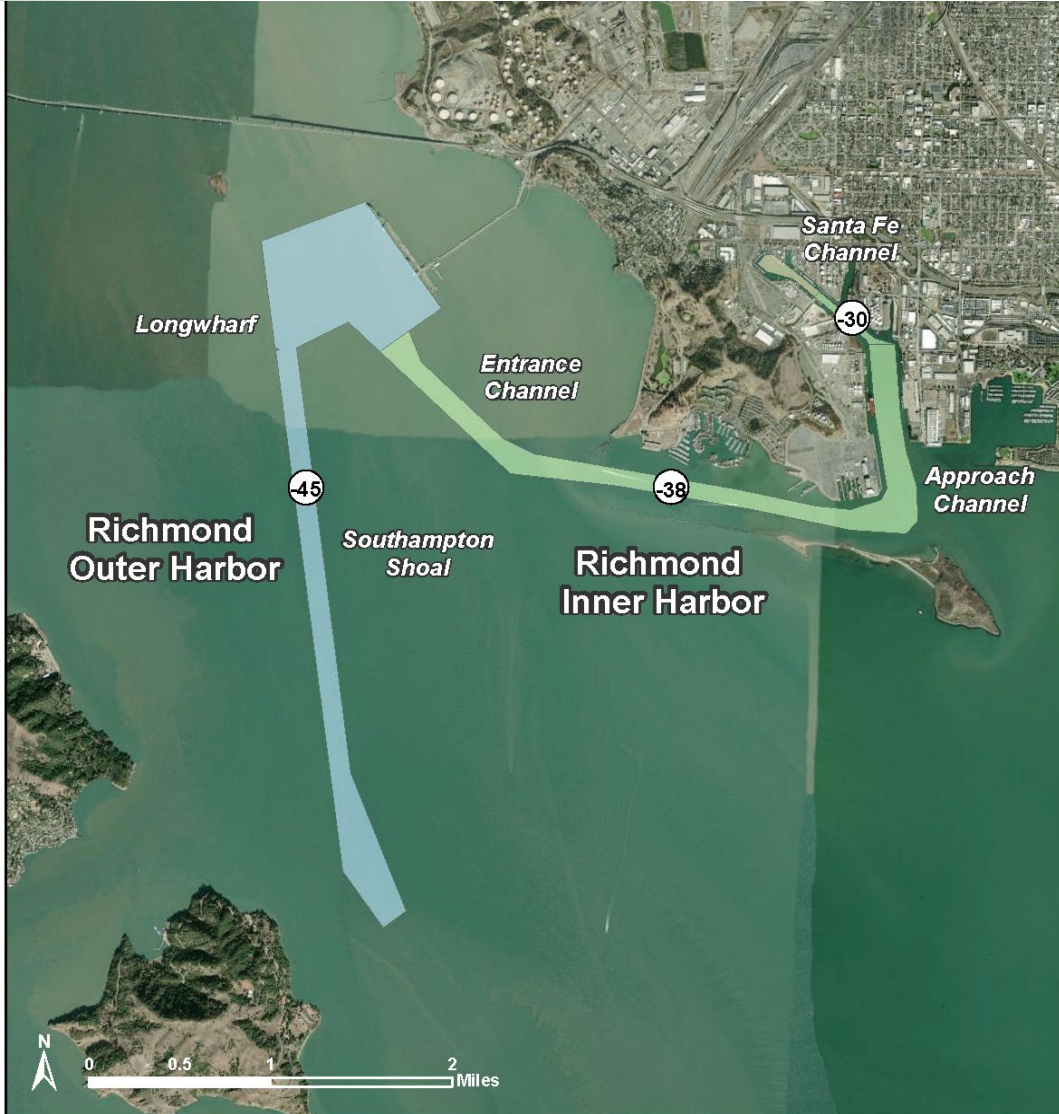
**NOTES:**





U.S. ARMY

# RICHMOND OUTER HARBOR (FY24 AND FY26)



<b>LOCATION:</b>	Richmond, CA
<b>FREQUENCY:</b>	Bi-annual
<b>DREDGE TYPE:</b>	Govt Hopper Essayons
<b>PLACEMENT:</b>	SF-11
<b>QUANTITY:</b>	250 kcy
<b>DEPTH:</b>	-45 ft
<b>BUSINESS TYPE:</b>	N/A
<b>ADVERTISE:</b>	N/A
<b>BID OPENING:</b>	N/A
<b>COMMENCE DREDGING:</b>	JUL 2024
<b>DREDGE COMPLETE:</b>	JUL 2024
<b>WORK RESTRICTIONS/WINDOW:</b>	1 JUN through 30 NOV

**NOTE:** Alternates dredging every year with San Pablo Bay (Pinole Shoal) due to WQC permit conditions.



U.S. ARMY

# SAN PABLO BAY (PINOLE SHOAL) (FY25 AND FY27)



<b>LOCATION:</b>	Contra Costa County, CA
<b>DREDGE TYPE:</b>	Govt Hopper Essayons
<b>PLACEMENT:</b>	SF-10/SF-11
<b>QUANTITY:</b>	200 kcy
<b>DEPTH:</b>	-35 ft
<b>BUSINESS TYPE:</b>	N/A
<b>ADVERTISE:</b>	N/A
<b>BID OPENING:</b>	N/A
<b>COMMENCE DREDGING:</b>	JUN 2025
<b>DREDGE COMPLETE:</b>	JUN 2025
<b>WORK RESTRICTIONS/ WINDOW:</b>	1 JUN through 30 NOV

**NOTES:** Deferred in FY24.





U.S. ARMY

# QUESTIONS/COMMENTS



**Al Paniccia**  
**SPN Navigation Program Manager**

[alfred.paniccia@usace.army.mil](mailto:alfred.paniccia@usace.army.mil)  
**(415) 503-6981**

