

SAN FRANCISCO DISTRICT DREDGING PROGRAM

AL PANICCIA
Navigation Program Manager
San Francisco District

CMANC SPRING MEETING
Morro Bay, CA
Date: 19 MAY 2023



U.S. ARMY



US Army Corps
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

FY23 DREDGING PROGRAM

CONTRACT PROJECTS





RICHMOND INNER HARBOR

U.S. ARMY



LOCATION:	Richmond, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	BU/SF-11
QUANTITY:	400 kcy (BU) 100 kcy (SF-11)
DEPTH:	-38 ft
BUSINESS TYPE:	Unrestricted
ADVERTISE:	MAY 2023
BID OPENING:	JUN 2023
COMMENCE DREDGING:	AUG 2023
DREDGE COMPLETE:	NOV 2023
WORK RESTRICTIONS/ WINDOW:	1 JUN through 30 NOV
NOTES:	Sec. 1122 funds to pay for incremental cost of BU.



OAKLAND HARBOR

U.S. ARMY



LOCATION:	Oakland, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	BU
QUANTITY:	700 kcy
DEPTH:	-50 ft
BUSINESS TYPE:	Unrestricted
ADVERTISE:	MAY/JUN 2023
BID OPENING:	JUN 2023
COMMENCE DREDGING:	AUG 2023
DREDGE COMPLETE:	JAN 2024
WORK RESTRICTIONS/ WINDOW:	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



LOCATION:	San Joaquin River, CA
DREDGE TYPE:	Cutterhead/Pipeline or Clamshell
PLACEMENT:	Adjacent Upland
QUANTITY:	175 kcy
DEPTH:	-35 ft
BUSINESS TYPE:	Unrestricted
ADVERTISE:	MAY/JUN 2023
BID OPENING:	JUN 2023
COMMENCE DREDGING:	AUG 2023
DREDGE COMPLETE:	NOV 2023
WORK RESTRICTIONS/ WINDOW:	1 AUG through 30 NOV
NOTES:	Screening of 30% of total volume dredged is required.



U.S. ARMY

SACRAMENTO RIVER (30 FOOT PROJECT)

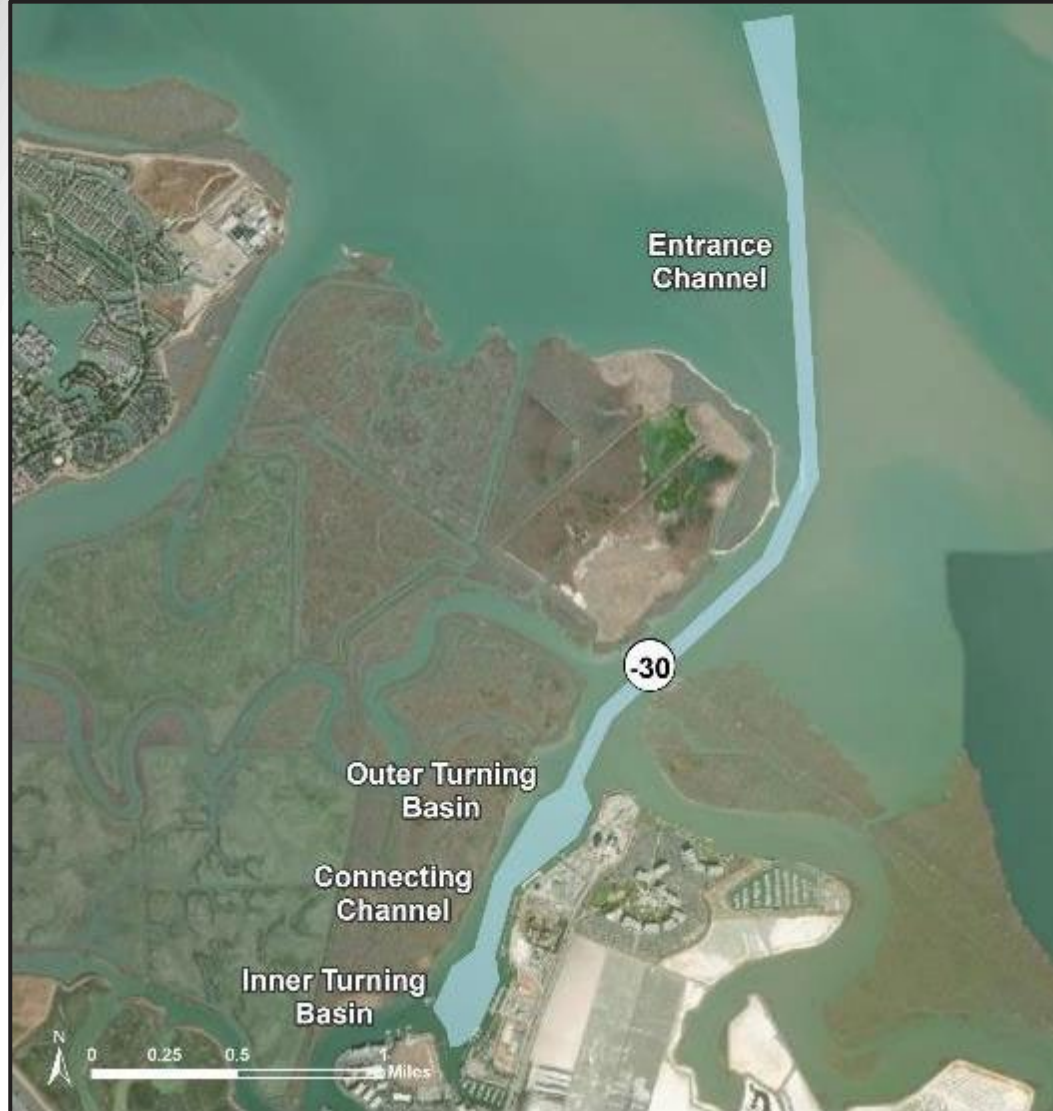


LOCATION:	Sacramento River, CA
DREDGE TYPE:	Cutterhead/Pipeline or Clamshell
PLACEMENT:	Adjacent Upland
QUANTITY:	150 kcy
DEPTH:	-30 ft
BUSINESS TYPE:	Unrestricted
ADVERTISE:	JUN/JUL 2023
BID OPENING:	JUL 2023
COMMENCE DREDGING:	SEP 2023
DREDGE COMPLETE:	OCT 2023
WORK RESTRICTIONS/ WINDOW:	1 AUG through 31 OCT
NOTES:	Screening of 30% of total volume dredged is required.



REDWOOD CITY HARBOR

U.S. ARMY



LOCATION:	Redwood City, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	Pilot BU placement near Eden Landing, remainder to BU, unsuitable to SF-11
QUANTITY:	300 kcy (BU) 100 kcy (SF-11)
DEPTH:	-30 ft
BUSINESS TYPE:	SBA Set-Aside
ADVERTISE:	JUN/JUL 2023
BID OPENING:	JUL 2023
COMMENCE DREDGING:	SEP 2023
DREDGE COMPLETE:	NOV 2023
WORK RESTRICTIONS/ WINDOW:	1 JUN through 30 NOV

NOTES: Shallow-draft scows needed for pilot placement at Eden Landing.



U.S. ARMY

MARAD SUISUN BAY RESERVE FLEET, CA



LOCATION:	Suisun Bay, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	BU
QUANTITY:	90 kcy
DEPTH:	-8 ft
BUSINESS TYPE:	SBA Set-Aside
ADVERTISE:	JUN/JUL 2023
BID OPENING:	JUL 2023
COMMENCE DREDGING:	SEP 2023
DREDGE COMPLETE:	NOV 2023
WORK RESTRICTIONS/ WINDOW:	1 AUG through 30 NOV
NOTES:	Project funded by US Maritime Administration (MARAD).



SUISUN BAY CHANNEL

U.S. ARMY



LOCATION:	Suisun Bay, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	BU/SF-16
QUANTITY:	60 kcy (BU) 65 kcy (SF-16)
DEPTH:	-35 ft
BUSINESS TYPE:	SBA Set-Aside
ADVERTISE:	JUL/AUG 2023
BID OPENING:	AUG 2023
COMMENCE DREDGING:	SEP 2023
DREDGE COMPLETE:	NOV 2023
WORK RESTRICTIONS/ WINDOW:	1 AUG through 30 NOV
NOTES:	BU amount is payback for San Rafael dredging past the environmental window.



U.S. ARMY

HUMBOLDT BAR & ENTRANCE CHANNELS



LOCATION:	Eureka, CA
DREDGE TYPE:	Contract Hopper
PLACEMENT:	HOODS
QUANTITY:	300 kcy
DEPTH:	-48 ft
BUSINESS TYPE:	Unrestricted
ADVERTISE:	Mar/Apr 2023
BID OPENING:	Apr 2023
COMMENCE DREDGING:	Jun 2023
DREDGE COMPLETE:	Jul 2023
WORK RESTRICTIONS/ WINDOW:	1 APR through 30 NOV
NOTES:	Portland District West Coast Hopper Contract.

FY23 DREDGING PROGRAM

GOVERNMENT HOPPER PROJECTS





U.S. ARMY

HUMBOLDT INTERIOR CHANNELS



LOCATION:	Eureka, CA
DREDGE TYPE:	Govt Hopper Yaquina
PLACEMENT:	HOODS
QUANTITY:	150 kcy
DEPTH:	North Bay & Samoa: -48 ft Eureka Channel: -26 ft
BUSINESS TYPE:	N/A
ADVERTISE:	N/A
BID OPENING:	N/A
COMMENCE DREDGING:	May 2023
DREDGE COMPLETE:	May 2023
WORK RESTRICTIONS/WINDOW:	1 APR through 30 NOV
NOTES:	



U.S. ARMY

HUMBOLDT BAR & ENTRANCE CHANNELS



LOCATION:	Eureka, CA
DREDGE TYPE:	Govt Hopper Essayons
PLACEMENT:	HOODS
QUANTITY:	600 kcy
DEPTH:	-48 ft
BUSINESS TYPE:	N/A
ADVERTISE:	N/A
BID OPENING:	N/A
COMMENCE DREDGING:	MAY 2023
DREDGE COMPLETE:	MAY 2023
WORK RESTRICTIONS/ WINDOW:	1 APR through 30 NOV
NOTES:	



U.S. ARMY

SAN FRANCISCO MAIN SHIP CHANNEL



LOCATION:	San Francisco, CA
DREDGE TYPE:	Govt Hopper Essayons
PLACEMENT:	OBDS*
QUANTITY:	600 kcy
DEPTH:	-55 ft
BUSINESS TYPE:	N/A
ADVERTISE:	N/A
BID OPENING:	N/A
COMMENCE DREDGING:	MAY 2023
DREDGE COMPLETE:	JUN 2023
WORK RESTRICTIONS/ WINDOW:	N/A
NOTES:	*Ocean Beach Demonstration Site



U.S. ARMY

SAN PABLO BAY (PINOLE SHOAL)



LOCATION:	Contra Costa County, CA
DREDGE TYPE:	Govt Hopper Essayons
PLACEMENT:	SF-10/SF-11
QUANTITY:	250 kcy
DEPTH:	-35 ft
BUSINESS TYPE:	N/A
ADVERTISE:	N/A
BID OPENING:	N/A
COMMENCE DREDGING:	JUN 2023
DREDGE COMPLETE:	JUN 2023
WORK RESTRICTIONS/ WINDOW:	1 JUN through 30 NOV
NOTES:	



FY23 DREDGING SCHEDULE

U.S. ARMY



Project	Current Bid Open	Current Award	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	Estimated CY	Dredge Type	Placement Site
			FY2023						FY2024								
CONTRACT CLAMSHELL OR CUTTERHEAD PIPELINE																	
Richmond Inner Harbor	26-May	9-Jun													400 Kcy 100 Kcy	Clam Shell	BU SF-11
Oakland Harbor	2-Jun	16-Jun													700 Kcy	Clam Shell	BU
San Joaquin River (Port of Stockton)	26-Jun	12-Jul													175 Kcy	Cutterhead or Clamshell	Various Upland
Sacramento River (30 Foot Project)	6-Jul	21-Jul													150 Kcy	Cutterhead or Clamshell	Various Upland
Redwood City Harbor	14-Jul	28-Jul													300 Kcy 100 Kcy	Clam Shell	BU & 1122 Pilot
MARAD SBRF Dredging	21-Jul	4-Aug													90 Kcy	Clam Shell	BU
Suisun Bay Channel	10-Aug	24-Aug													60 Kcy 65 Kcy	Clam Shell	SF-16 BU
WEST COAST HOPPER CONTRACT																	
Humboldt Bar & Entrance Channels	3-Apr	13-Apr					WCH								300 Kcy	WCHC (Portland)	HOODS
GOVERNMENT HOPPER																	
Humboldt Interior Channels	N/A	N/A		YAQ											150 Kcy	Govt Hopper	HOODS
Humboldt Bar & Entrance Channels	N/A	N/A		ESS											600 Kcy	Govt Hopper	HOODS
SF Main Ship Channel	N/A	N/A				ESS									350 Kcy	Govt Hopper	OBDS SF-8
Pinole Shoal	N/A	N/A					ESS								250 Kcy	Govt Hopper	SF-10 SF-11
	Solicitation																
	Bid Opening																
	Contract Award																
	Hopper Dredging																

* Program execution is based on the FY23 President's Budget, FY23 Workplan, and carryover funds.



FY24 DREDGING SCHEDULE



U.S. ARMY

Project	Solicit	Bid Open	Award	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	Estimated CY	Dredge Type	Placement Site
				FY2024								FY2025							
CONTRACT CLAM SHELL OR CUTTERHEAD PIPELINE																			
Oakland Harbor	4-Mar	4-Apr	18-Apr		█	◆	█	█	█	█	█	█	█	█	█	█	700kcy	Clam Shell	BU
Moss Landing Harbor	11-Mar	10-Apr	24-Apr		█	◆	█	█	█	█	█	█	█	█	█	█	85kcy	Cutterhead or Clamshell	SF-12
Richmond Inner Harbor	18-Mar	17-Apr	1-May		█	◆	█	█	█	█	█	█	█	█	█	█	350kcy	Clam Shell	BU
Redwood City Harbor	27-Mar	26-Apr	10-May		█	◆	█	█	█	█	█	█	█	█	█	█	400kcy	Clam Shell	BU
Noyo River	10-Apr	10-May	24-May			█	◆	█	█	█	█	█	█	█	█	█	50kcy	Cutterhead	Upland
Crescent City Harbor	22-Apr	22-May	5-Jun			█	◆	█	█	█	█	█	█	█	█	█	75kcy	Clam Shell	HOODS
San Joaquin River (Port of Stockton)	3-May	3-Jun	17-Jun				█	◆	█	█	█	█	█	█	█	█	175kcy	Cutterhead or Clamshell	Various Upland
Sacramento River (30 Foot Project)	15-May	14-Jun	28-Jun				█	◆	█	█	█	█	█	█	█	█	150kcy	Cutterhead or Clamshell	Various Upland
Suisun Bay Channel	28-May	27-Jun	11-Jul				█	◆	█	█	█	█	█	█	█	█	125kcy	Clam Shell	SF-16
Petaluma River	7-Jun	8-Jul	22-Jul				█	◆	█	█	█	█	█	█	█	█	200kcy	Cutterhead or Clamshell	Upland SF-10
WEST COAST HOPPER CONTRACT																			
Humboldt Bar & Entrance Channels	TBD	TBD	TBD					█	█	█	█	█	█	█	█	█	1100kcy	WCHC (Portland)	HOODS
GOVERNMENT HOPPER																			
Humboldt Interior Channels	N/A	N/A	N/A			YAQ	█										150kcy	Govt Hopper	HOODS
SF Main Ship Channel	N/A	N/A	N/A				█	ESS									350kcy	Govt Hopper	OBDS SF-8
Pinole Shoal	N/A	N/A	N/A			D	E	F	F	E	R	E	D				250kcy	Govt Hopper	SF-10 SF-11
Richmond Outer Harbor	N/A	N/A	N/A				█	ESS									250kcy	Govt Hopper	SF-10 SF-11
Solicitation Bid Opening Contract Award Hopper Dredging				WCH	West Coast Hopper Contract					Environmental Window									
				YAQ	Gov't Dredge Yaquina					Mobilization									
				ESS	Gov't Dredge Essayons					Physical Dredging									

* Program execution is based on scheduled dredging cycles only.



FY23 TO FY25 FUNDING OUTLOOK

U.S. ARMY



PROJECT	FY 2022 CARRYOVER (TOTAL)	FY 2023 PRES BUDGET	FY 2023 WORK PLAN	FY 2023 TOTAL (FY22 c/o+PBUD + WORK PLAN)	FY 2024 PRES BUDGET	FY 2024 ADDITIONAL NEED	FY 2024 TOTAL NEED	FY 2025 PROJECTION
BERKELEY MARINA, CA	0.00			0.00	0.00	40,000.00	40,000.00	40,000.00
BODEGA BAY, CA	969,014.53	0.00	0.00	969,014.53	20,000.00	0.00	20,000.00	21,000.00
CRESCENT CITY HARBOR, CA	1,159,245.73	0.00	0.00	1,159,245.73	6,494,000.00	0.00	6,494,000.00	21,000.00
FISHERMAN'S WHARF AREA, CA	2.00	20,000.00	0.00	20,002.00	40,000.00	0.00	40,000.00	42,000.00
HUMBOLDT HARBOR AND BAY, CA	7,118,624.71	8,767,000.00	0.00	15,885,624.71	9,436,000.00	3,922,000.00	13,358,000.00	14,230,000.00
JACK D. MALTESTER CHANNEL (SLM), CA	29,394.49	0.00	0.00	29,394.49	0.00	0.00	0.00	0.00
LARKSPUR FERRY CHANNEL, CA	18,489.75	0.00	0.00	18,489.75	0.00	0.00	0.00	0.00
MONTEREY HARBOR, CA	134,034.37	0.00	0.00	134,034.37	20,000.00	0.00	20,000.00	21,000.00
MOSS LANDING HARBOR, CA	11,332,483.68	0.00	490,000.00	11,822,483.68	20,000.00	0.00	20,000.00	21,000.00
NAPA RIVER, CA	1,536,725.75	0.00	0.00	1,536,725.75	9.00	0.00	9.00	0.00
NOYO RIVER AND HARBOR, CA	6,235,832.99	4,450,000.00	0.00	10,685,832.99	0.00	0.00	0.00	6,000,000.00
OAKLAND HARBOR, CA	13,988,064.92	13,898,000.00	0.00	27,886,064.92	25,000,000.00	0.00	25,000,000.00	26,446,000.00
PETALUMA RIVER, CA	3,386,401.20	0.00	0.00	3,386,401.20	7,662,000.00	0.00	7,662,000.00	0.00



FY23 TO FY25 FUNDING OUTLOOK

U.S. ARMY



PROJECT	FY 2022 CARRYOVER (TOTAL)	FY 2023 PRES BUDGET	FY 2023 WORK PLAN	FY 2023 TOTAL (FY22 c/o+PBUD + WORK PLAN)	FY 2024 PRES BUDGET	FY 2024 ADDITIONAL NEED	FY 2024 TOTAL NEED	FY 2025 PROJECTION
PILLAR POINT HARBOR, CA	38,298.85	0.00	0.00	38,298.85	20,000.00	0.00	20,000.00	21,000.00
PROJECT CONDITION SURVEYS, CA	265,958.71	315,000.00	0.00	580,958.71	337,000.00	0.00	337,000.00	361,000.00
REDWOOD CITY HARBOR, CA	2,099,776.28	5,828,000.00	4,000,000.00	11,927,776.28	3,016,000.00	4,011,000.00	7,027,000.00	6,959,000.00
RICHMOND HARBOR, CA	4,328,694.44	6,036,000.00	4,050,000.00	14,414,694.44	10,548,000.00	8,264,000.00	18,812,000.00	16,149,000.00
SACRAMENTO RIVER (30 FOOT PROJECT), CA	1,385,204.48	6,309,000.00	1,700,000.00	9,394,204.48	6,672,000.00	2,398,000.00	9,070,000.00	7,055,000.00
SF BAY LTMS, CA	2,415,861.58	472,000.00	1,941,000.00	4,828,861.58	505,000.00	0.00	505,000.00	1,978,000.00
SAN FRANCISCO HARBOR, CA	2,797,669.99	5,702,000.00	0.00	8,499,669.99	6,806,000.00	0.00	6,806,000.00	5,144,000.00
SAN JOAQUIN RIVER, PORT OF STOCKTON, CA	6,925,745.49	5,241,000.00	0.00	12,166,745.49	10,889,000.00	0.00	10,889,000.00	9,101,000.00
SPB-MIS, CA (PINOLE SHOAL)	3,592,867.91	1,545,000.00	0.00	5,137,867.91	300,000.00	0.00	300,000.00	3,896,000.00
SAN RAFAEL CREEK, CA	148,067.38	7,175,000.00	0.00	7,323,067.38	0.00	0.00	0.00	0.00
SANTA CRUZ HARBOR, CA	123,025.03	540,000.00	0.00	663,025.03	560,000.00	1,600,000.00	2,160,000.00	2,181,000.00
SUISUN BAY CHANNEL, CA	3,440,585.95	6,293,000.00	0.00	9,733,585.95	6,559,000.00	0.00	6,559,000.00	8,993,000.00
SUISUN CHANNEL (SLOUGH), CA	12,529.08	0.00	0.00	12,529.08	0.00	0.00	0.00	0.00
<i>as of 9 March 2023</i>	73,500,172.38	72,591,000.00	12,181,000.00	158,272,172.38	94,904,009.00	20,195,000.00	115,099,009.00	108,640,000.00



U.S. ARMY

QUESTIONS/COMMENTS



Al Paniccia
SPN Navigation Program Manager

alfred.paniccia@usace.army.mil
(415) 503-6981

