

**Harbor Safety Committee
Of the San Francisco Bay Region**

**Report of the
U.S. Army Corps of Engineers, San Francisco District
February 10, 2022**

1. CORPS O&M DREDGING PROGRAM

The FY 2021 program wrapped up with the completion of the Oakland Harbor maintenance dredging project on 9 January 2022. Planning for the FY22 dredging program is currently underway based on FY22 President's Budget amounts. The FY22 project schedules are included in this report following the 2021 O&M Dredging Plan. Adjustments may be made to future schedules if and when an FY 2022 Appropriations bill is passed by Congress and a subsequent Work Plan is announced.

FY 2022 DREDGING

- a. **San Rafael Creek** – Planning for maintenance dredging of the San Rafael Creek is currently underway with a contract award tentatively scheduled for early May and dredging estimated to start mid-June. Dredging will be performed in both the Inner Canal and Across-the-Flats reaches of the project. The last time this project was dredged was back in 2011.
- b. **Richmond Inner Harbor** – Planning for the FY22 dredging episode is currently underway with contract award tentatively scheduled for late May and dredging estimated early July to start.
- c. **San Joaquin River (Port of Stockton)** – Planning for the FY22 dredging episode is currently underway with contract award tentatively scheduled for mid-June and dredging estimated to start beginning of August.
- d. **Sacramento River Deep Water Ship Channel** – Planning for the FY22 dredging episode is currently underway with contract award tentatively scheduled for late June and dredging estimated to start mid-August.
- e. **Suisun Bay Channel (and New York Slough)** – Planning for the FY22 dredging episode is currently underway with contract award tentatively scheduled for early July and dredging estimated to start mid-August.
- f. **Napa River** – Planning for maintenance dredging of the Napa River is currently underway with a contract award tentatively scheduled for early August and dredging estimated to start mid-September. Dredging will be performed in the upper reaches only. The project was previously dredged in 2016.
- g. **Oakland Harbor** – Planning for the FY22 dredging episode is currently underway. Initially, contract award was scheduled for late August, and dredging for mid-October based on the Tier III sediment testing requirement for DMMO suitability determination. The recent Tier I extension allows re-examination of the timeline, in context with other SPN Nav project schedules.
- h. **SF Main Ship Channel** – The Government Hopper Dredge Essayons is scheduled to dredge the Main Ship Channel during the last half of May. The dredged material placement will return to the near-shore site as in previous years.

- i. **Richmond Outer Harbor (and Richmond Long Wharf)** – Following completion of the Main Ship Channel, the Essayons will move to Richmond Outer Harbor in early June and complete maintenance dredging there. Upon completion of Richmond Outer Harbor, Essayons will depart the Bay Area.
- j. **San Pablo Bay (Pinole Shoal)** – Dredging is deferred to FY23 to remain in compliance with the Water Quality Certification for SF Bay Area Dredging.
- k. **Redwood City Harbor** – This project is currently on a 2-year cycle and dredging last occurred in FY21. An assessment was done that shows it may be cost-effective to switch to annual maintenance dredging. Final draft review is in progress.

2. EMERGENCY (URGENT & COMPELLING) DREDGING: None at this time.

3. DEBRIS REMOVAL –Debris removal for January was 374 tons. Dillard: 374 tons; Raccoon: 0 tons (out of service for repair); other boats: 0 ton. Average debris removal for January from 2012 to 2021 is 127 tons (Range: 35-417).

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2022	TONS	TONS	TONS	TONS
JAN	0	374	0	374
FEB				
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

YR TOTAL
374

4. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

Oakland Harbor Turning Basins Widening Study: This study will investigate and determine if there is a technically feasible, economically justifiable, and environmentally acceptable recommendation for federal participation in a navigation improvement project to the existing - 50-foot Oakland Harbor Federal Navigation Project. The scope of the tentatively selected plan includes expansion of both inner and outer basins for a 1,310-foot design vessel. This expansion is expected to meet the needs of the future fleet. **An NED waiver to continue with a Comprehensive Benefits Plan (CBP), which includes electric dredging, was submitted to the Assistant Secretary of the Army (ASA) by USACE Headquarters. The Final decision by the ASA to continue with the CBP is pending after their assessment of the public review comments. The Draft Integrated Feasibility Report (IFR) was released on 17 December 2021 for public comment. Public comment was extended to February 14, 2022, at the request of three stakeholders, Earth Justice, EPA, and BCDC. The Agency Technical Review (ATR) was launched on 20 December 2021, ATR comments were received and responded to on Monday February 7, 2022. The 3x3x3 feasibility study is on track and on budget. However, 3X3X3 compliance will need to be reassessed after public comments are received.**

5. OTHER WORK

San Francisco District Dredging Day: The San Francisco District held a Dredging Day virtual open house on January 27, 2022. The virtual open house was attended by approximately 80 individuals and included informational presentations from various offices within the San Francisco District that work to deliver our dredging program. Participating offices included Hydrographic Surveys, O&M Navigation, Contracting, Environmental, DMMO, and the Executive Office.

LTMS Management Committee Meeting: The Management Committee quarterly meeting for the Long-Term Management Strategy (LTMS) for San Francisco Bay Area dredged material is scheduled for March 11th. The public portion of the meeting will begin at 11:30 am and will be held virtually. Current agenda items include USACE FY22 dredging overview, San Pablo Bay Disposal Site Reference Data, and dredged material beneficial reuse site updates. For more information on the meeting, please email Jessica Vargas at Jessica.M.Vargas@usace.army.mil

Regional Dredge Material Management Plan: Following public and stakeholders' outreach for the PMP, the project is now in phase 1 gap analysis to address the key issues as identified by the stakeholders from the virtual charrettes held in July 2020. SFEI has been contracted to perform this phase and is coordinating with the Interagency Working Group (IWG) to provide expert advice and review of work products associated with the RDMMP Gaps Analysis, including prioritizing the knowledge gaps identified by the project team and reviewing the scopes of work produced to address those knowledge gaps. Information on the RDMMP and draft final PMP can be found on our website:

<https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Regional-Dredge-Material-Management-Plan/>

USACE Work Plan Web Address: <http://www.usace.army.mil/Missions/Civil-Works/Budget/>

6. HYDROGRAPHIC SURVEY UPDATE

Address of Corps' web site for completed hydrographic surveys:

<http://www.spn.usace.army.mil/Missions/Surveys,StudiesStrategy/HydroSurvey.aspx>

The following surveys are posted:

Alameda Naval Navigation Channel: Condition survey of October 14, 2021.
Berkeley Marina (Entrance Channel): Condition survey of April 22, 2021.
Islais Creek Channel: Condition survey of August 26, 2021.
Larkspur Ferry Channel: Condition survey of April 8, 2020.
Mare Island Strait: Condition survey of September 29, 2021.
Marinship Channel (Richardson Bay): Condition survey of June 23, 2020 and April 20, 2021.
Napa River: Condition survey of March 11-15, 2021.
Northship Channel: Condition survey of September 20, 21, & 28, 2021.
Oakland Inner Harbor: Post dredge surveys (6 total) of July - October, 2021.
Oakland Inner Harbor (Brooklyn Basin): Condition survey of 15-20 January 2021.
Oakland Outer Harbor: Post dredge composite surveys July 2021 to January 8, 2022.
Petaluma River (Across-the-Flats): Post-dredge condition survey of December 15, 2020.
Petaluma River (Main Channel): Post-dredge survey of October 10, 12, and 16 2020.
Petaluma River (Extended Channel): Post-dredge survey of October 10, 12, and 16 2020.
Pinole Shoal Channel: Condition survey of January 12-18, 2022.
Redwood City Harbor: Post dredge surveys of September 1, 6, 16, and 19, 2021.
Richmond Inner Harbor: Condition survey of January 6, 2022.
Richmond Inner Harbor (Santa Fe Channel): Condition survey of December 20, 2016.
Richmond Outer Harbor (Longwharf): Condition survey of November 8, 2021.
Richmond Outer Harbor (Southampton Shoal): Condition survey of November 10, 2021.
Sacramento River Deep Water Ship Channel: Condition Survey of December 15-18, 2021.
San Bruno Shoal: Condition survey of February 26, 2021.
San Francisco Main Ship Channel: Condition survey of September 22-23, 2021.
San Leandro Marina (and Channel): Condition survey of March 30 and April 1, 2015.
San Rafael (Across-the-Flats): Condition survey of February 9, 2021.
San Rafael (Creek): Condition survey of February 9, 2021.
Stockton Ship Channel: Condition survey of December 10-14, 2021.
Suisun Bay Channel: Post-dredge survey of November 29, 2021.
Suisun Bay Channel (Bullshead Reach): Post-dredge survey of November 29, 2021.
Suisun Bay Channel (New York Slough): Post-dredge survey of September 27, 2021.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of Jul 27, 2021.
SF-09 (Carquinez): Condition survey of October 5, 2021.
SF-10 (San Pablo Bay): Condition survey of October 5, 2021.
SF-11 (Alcatraz Island): Condition survey of January 4, 2022.
SF-16 (Suisun Bay Disposal Site): Condition survey of October 20, 2021.
SF-17 (Ocean Beach Disposal Site): Condition survey of July 27, 2021.

Requested Surveys:

Pre/Post-dredge and condition surveys have been completed for all of San Francisco District's in-bay projects dredged in FY21.

Channel Condition Report (CCR):

Attached is the Channel Condition Report (CCR) for all Corps maintained channels dated **7 FEB 2022**. The CCR is generated by the USACE eHydro database and is not a substitute for the controlling depths set by the SF Bar Pilots. Please see the respective bathymetric plots for locations (highlighted in red) of the shoaliest soundings reports in the CCR.

REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER

To: Navigation Interests		From: US Army Corps of Engineers San Francisco District 450 Golden Gate Ave San Francisco, CA 94102						
RIVER/HARBOR NAME AND STATE OTHER CALIFORNIA					MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)				
Redwood City Harbor Redwood City Harbor	09-16-2021	300 943						
San Bruno Shoal San Bruno Shoal	10-28-2021	500	3.94	30	30.1	30.0	30.3	30.3
Richardson Bay/Marinship Richardson Bay/Marinship	06-23-2020	300 1069	2.11	20	4.6	6.0	6.4	6.4
Islais Creek Islais Creek	08-27-2021	500 1424	1.71	40	30.7	37.5	37.5	23.9
Alameda Naval Air Alameda Naval Air	10-14-2021	1000 4178	2.90	37	11.5	12.5	19.0	17.2
San Rafael ATF Across the Flats	02-09-2021	100	2.25	8	2.4	4.2	4.0	2.3
San Rafael River Inner Canal Channel	02-09-2021	60 160	1.55	6	0.7	1.6	0.9	1.4
Petaluma River Main Channel	10-16-2020	100 361	4.06	8	+1.5	0.5	1.0	+0.9
Petaluma River ATF Across the Flats	12-15-2020	200 206	5.68	8	6.3	8.8	8.3	8.2
Mare Island Strait Mare Island Strait	09-29-2021	400 606	3.37	30	27.3	29.1	31.8	32.1
Larkspur Channel Larkspur Channel	07-11-2019	231 542	2.37	13	6.5	10.0	9.7	8.0
Northship Channel Northship Channel	09-20-2021	3576 4769	5.97	45	23.1	38.2	37.8	35.2
Berkeley Marina Berkeley Marina	04-22-2021	100 142	1.36	6	3.5	3.8	4.3	4.3
Bodega Bay Bodega Bay	09-24-2021	100 400	3.46	12	3.4	10.0	10.5	7.9
Moss Landing Moss Landing	03-31-2021	120 405	0.98	6	13.2	12.3	11.1	10.9
Noyo River Entrance Channel	02-10-2021	97 150	0.67	10	6.1	9.6	10.6	7.6

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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)				
Noyo River Channel	02-10-2021	97 150	0.67	10	8.3	9.9	10.5	3.6
Crescent City Entrance Channel	02-08-2021	200 320	0.42	20	18.1	19.4	19.0	17.2
Crescent City Inner Harbor Basin Channel	02-08-2021	200 300	0.39	15	14.8	14.8	15.0	13.8
Crescent City Marina Access Channel	02-08-2021	228 170	0.22	15	4.8	10.6	12.2	9.5
Pinole Shoal Channel Pinole Shoal Channel	10-25-2021	600 1644	10.36	35	30.8	35.5	35.7	34.4
Suisun Bay Channel Suisun Bay Channel	11-29-2021	300 350	13.86	35	35.1	35.6	35.1	34.9
Suisun Bay Channel Anchorage Suisun Bay Channel Anchorage	04-27-2021	400	0.90	35	33.8	No Data	No Data	No Data
New York Slough New York Slough	09-27-2021	400 411	4.42	35	35.2	35.6	35.2	35.1