

NAPA RIVER O&M DREDGING

PLANNED DREDGING ACTIVITIES FOR 2022

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April 21, 2022

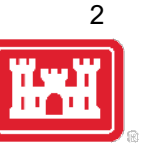


US Army Corps
of Engineers®





NAVIGATION BUSINESS LINE



→ MISSION

- To provide safe, reliable, efficient, and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

→ Program Objectives

- Maintain inland waterways and coastal channels, with emphasis on those with a high or moderate level of commercial use; and
- Support investment that would provide a high return to the Nation.

→ SPN Navigation Program

- Averages 14 projects and \$75 million per year.
- And our debris mission.



FY 2022 DREDGING PROJECT LOCATIONS





HISTORY OF THE NAPA RIVER NAVIGATION CHANNEL



- Footprint of Project
- Frequency of Dredging



NAPA RIVER



LOCATION:	Napa, CA
DREDGE TYPE:	Clamshell
PLACEMENT:	Upland
QUANTITY:	75K CY
DEPTH:	Upper Reach: -10' Lower Reach: -15'
BUSINESS TYPE:	SBA Set-Aside
ADV/BID OPEN:	Jun-Jul 2022
AWARD:	Aug 2022
NTP:	Aug 2022
WORK RESTRICTIONS/WINDOW:	1 Aug through 30 Nov



CURRENT SURVEY RESULTS

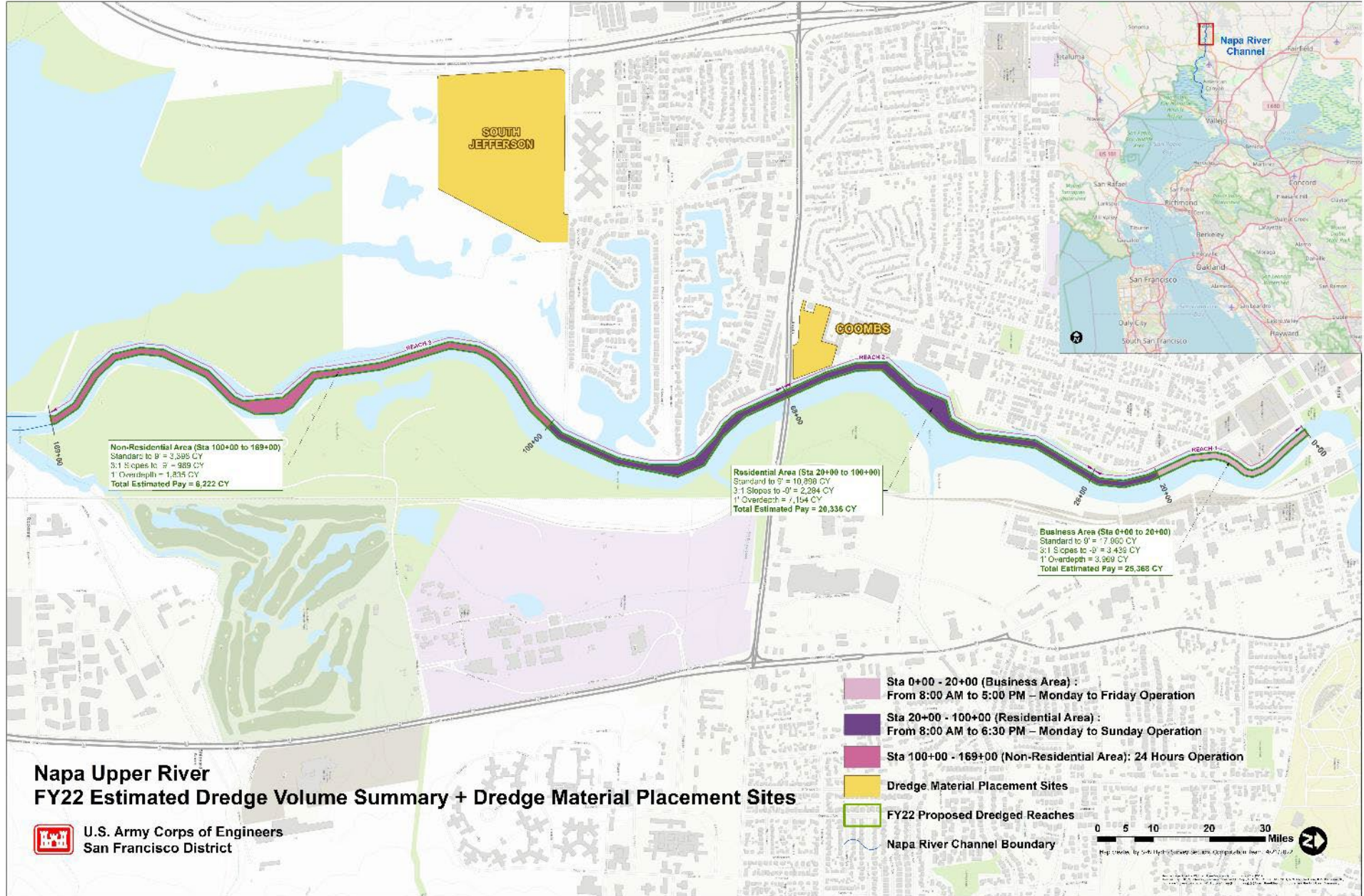


Napa River Upper							4/12/2022
Condition Survey: 2-10 February 2022							
TIN to CHN							
Non-contour Dredging, No Side Slope OD							
SF_15_NRM_20220202-0210_CS_Complete_5Avg_MLLW.xyz							
CHN: FY22_NRM_20220218.chn							
Napa River Upper	Standard (-9')	Side Slopes (-9')	1' OD (-10')	Total Estimated Pay	2' OD (-11')	SQ FT (-9')	Total w/ 2' OD
Sta 0+00 - 20+00	17,960	3,439	3,969	25,368	4,165	104,888	29,533
Sta 20+00 - 100+00	10,898	2,284	7,154	20,336	9,964	157,240	30,300
Sta 100+00 - 169+00	3,398	989	1,835	6,222	2,827	40,036	9,049
Total:	32,256	6,712	12,958	51,926	16,956	302,163	68,882

Napa River Upper				
Condition Survey - 2 February 2022				
TIN to CHN				
Non-contour Dredging, No Side Slope OD				
SF_15_NRM_20220202-0210_CS_Complete_5Avg_MLLW.xyz				
CHN: FY22_NRM_20220218.chn				
FY22 Dredge Reaches	Standard (-9')	Side Slopes (-9')	1' OD (-10')	Total w/ 1' OD
Reach 1 (Sta 0+00 - 28+00)	18,562	3,548	4,962	27,072
Reach 2 (Sta 28+00 - 68+00)	9,709	1,396	5,684	16,789
Reach 3 (Sta 68+00 - 169+00)	3,993	1,764	2,312	8,069
Total:	32,264	6,708	12,958	51,930



DREDGING LOCATIONS AND WORKING HOURS





SCHEDULE



DREDGING EQUIPMENT FOR NAPA RIVER



- Clamshell Dredge is to be used for the dredging of the Napa River.
- Pipeline hydraulic dredging is not ideal due to the presence of coarse-grained material and debris in Napa River
- Scows are to be used to transport the material to the Coombs offloading site



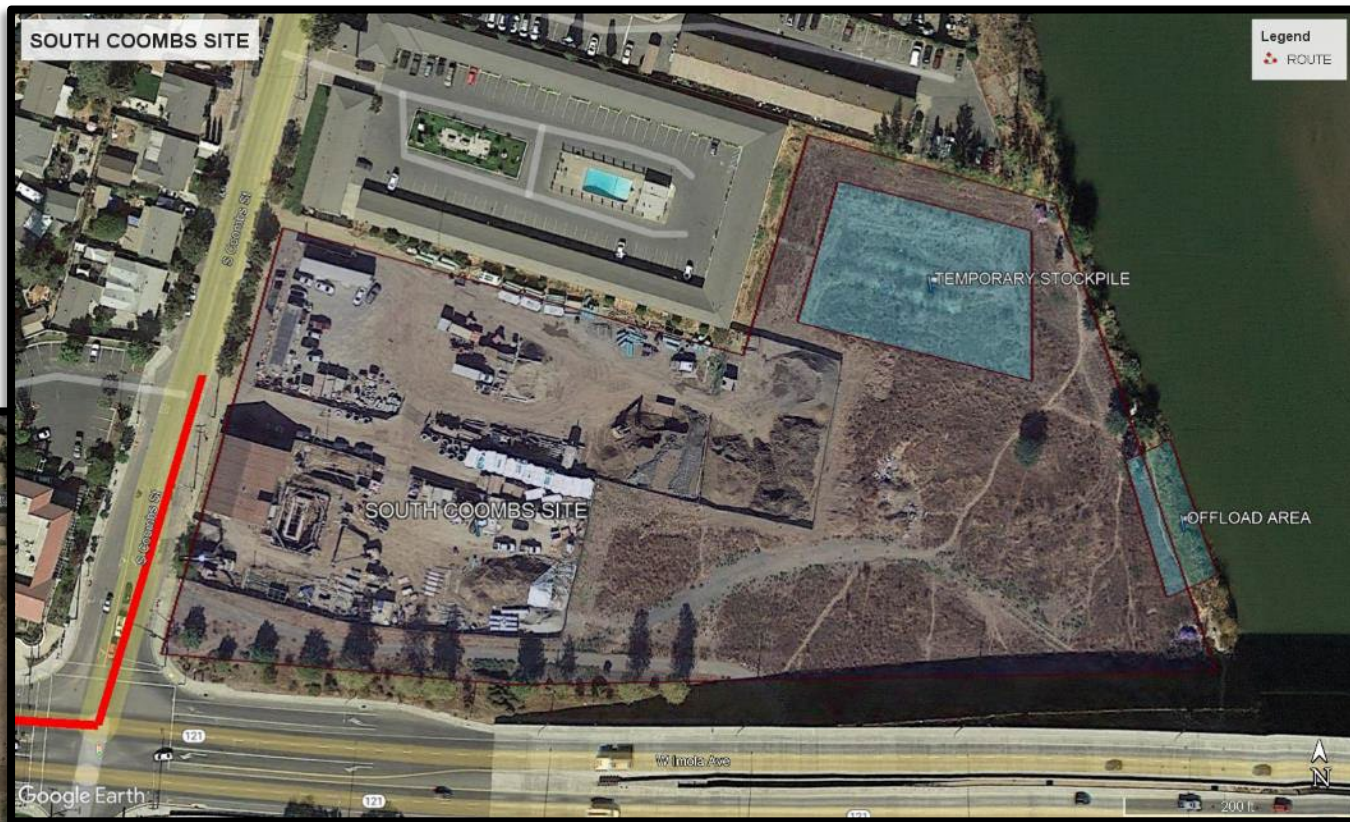
OFFLOADING OPERATIONS AT THE COOMBS SITE



- The Napa River dredged material is to be offloaded at the Coombs site
- The types of equipment to be used are a clamshell dredge and a scow
- The offloaded material is to be hauled to the South Jefferson site by trucks
- Approximately 52,000 cubic yards of material is to be placed



OFFLOAD/FILL SITES





HAUL ROUTE



QUESTIONS/COMMENTS

Joint Agency Contact Info:

Phone: (415) 503-6804

Email: cespn-pa2@usace.army.mil

Website for weekly updates:

[https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Projects-by Category/Projects-for-Flood-Risk-Management/Napa River](https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Projects-by%20Category/Projects-for-Flood-Risk-Management/Napa%20River)

