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

- Oakland Harbor
- Sacramento River
- New York Slough
- Suisun Bay Channel
- Napa River
- San Joaquin River (Port of Stockton)
- San Francisco Harbor Main Ship Channel (Gov't Hopper)
- Richmond Inner Harbor
- San Rafael Creek
- Larkspur Ferry Channel
- West Richmond Channel
- Richmond Outer Harbor (Gov't Hopper)
- San Bruno Shoal
- Jack D. Maltester Channel (San Leandro Marina)
- Oakland Harbor
- San Pablo Bay (Pinole Shoal)
- Suisun Slough Channel
- Napa River
- Sonoma
- Petaluma River
- Mare Island Strait
- San Pablo Bay
- New York Slough
- San Joaquin River (Port of Stockton)
- San Francisco Harbor
- Main Ship Channel (Gov't Hopper)

Additional Notes:

- 6 Deep Draft Harbors
- 4 Deep Draft Channels
- 13 Shallow Draft Ports
- 6 Coastal Structure Projects
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
<table>
<thead>
<tr>
<th>Napa River Upper</th>
<th>Standard (-9')</th>
<th>Side Slopes (-9')</th>
<th>1' OD (-10')</th>
<th>Total Estimated Pay</th>
<th>2' OD (-11')</th>
<th>SQ FT (-9')</th>
<th>Total w/ 2' OD</th>
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</thead>
<tbody>
<tr>
<td>Sta 0+00 - 20+00</td>
<td>17,960</td>
<td>3,439</td>
<td>3,969</td>
<td>25,368</td>
<td>4,165</td>
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<td>Sta 20+00 - 100+00</td>
<td>10,898</td>
<td>2,284</td>
<td>7,154</td>
<td>20,336</td>
<td>9,964</td>
<td>157,240</td>
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<td>Sta 100+00 - 169+00</td>
<td>3,398</td>
<td>989</td>
<td>1,835</td>
<td>6,222</td>
<td>2,827</td>
<td>40,036</td>
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<td>Total:</td>
<td>32,256</td>
<td>6,712</td>
<td>12,958</td>
<td>51,926</td>
<td>16,956</td>
<td>302,163</td>
<td>68,882</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Napa River Upper</th>
<th>FY22 Dredge Reaches</th>
<th>Standard (-9')</th>
<th>Side Slopes (-9')</th>
<th>1' OD (-10')</th>
<th>Total w/ 1' OD</th>
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</thead>
<tbody>
<tr>
<td>Reach 1 (Sta 0+00 - 28+00)</td>
<td>18,562</td>
<td>3,548</td>
<td>4,962</td>
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<td>Reach 2 (Sta 28+00 - 68+00)</td>
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<td>Reach 3 (Sta 68+00 - 169+00)</td>
<td>3,993</td>
<td>1,764</td>
<td>2,312</td>
<td>8,069</td>
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<tr>
<td>Total:</td>
<td>32,264</td>
<td>6,708</td>
<td>12,958</td>
<td>51,930</td>
<td></td>
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</tbody>
</table>
DREDGING LOCATIONS AND WORKING HOURS

Napa Upper River
FY22 Estimated Dredge Volume Summary + Dredge Material Placement Sites

U.S. Army Corps of Engineers
San Francisco District
SCHEDULE

May 1

Pre-dredging Activities:
- Environmental Approvals
- Dredging Contract Solicitation
- Contract Award

Aug 1

Dredging Contract:
- Start of Dredging: ~ Mid-Aug to early Nov.
- Duration: ~ 6-9 weeks
- Daily Operations:
  - 3rd Street (Business Area), Stations 00+0 to 20+00: 8:00 am-5:00 pm Mon-Fri only
  - Residential Area, Stations 20+00 to 100+00: 8:00 am – 6:00 pm Mon-Sun
  - Non-residential Area, Stations 100+00 to 169+00: 24 hours Mon-Sun

Sept 1

Oct 1

Nov 1

Nov 30
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
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.
HAUL ROUTE

Legend

ROUTE

Google Earth

1000 ft

SOUTH COOMBS SITE

SOUTH JEFFERSON SITE
QUESTIONS/COMMENTS

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Website for weekly updates:
https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Projects-by Category/Projects-for-Flood-Risk-Management/Napa River