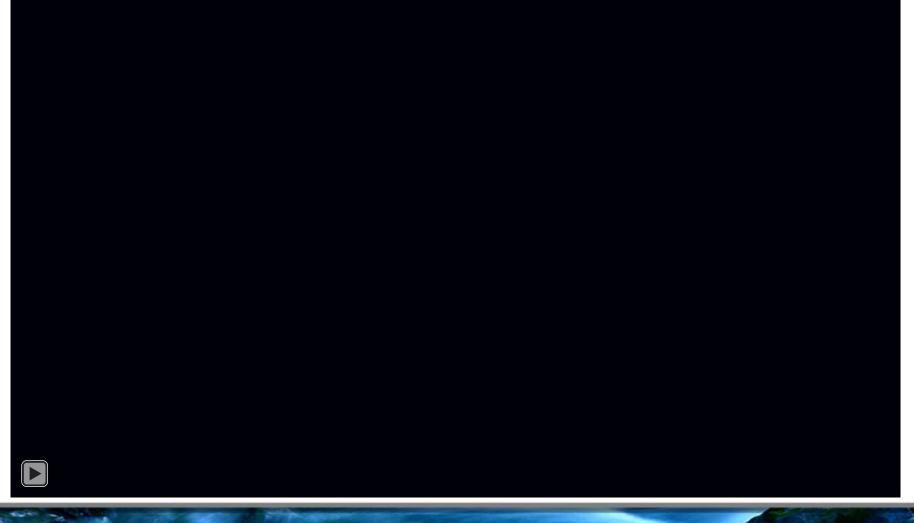


BACKGROUND

In 2019 PG&E began to respond to age-related structural deficiencies in its electric transmission line network, including the Ignacio-Mare Island (IMI) 115-kilovolt line that extends north of the Golden Gate Bridge from Vallejo to Novato, where at least 28 of the towers have been in service since 1921.

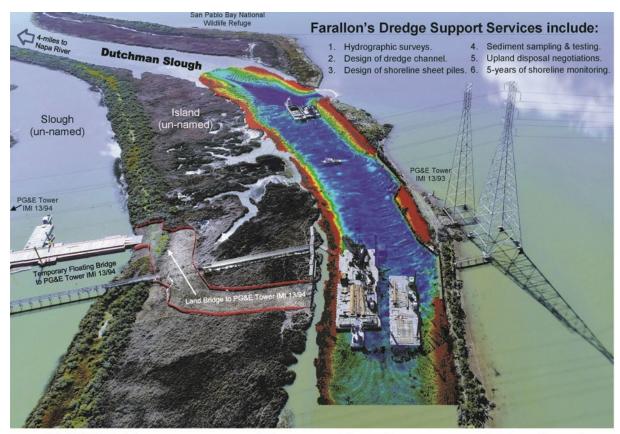






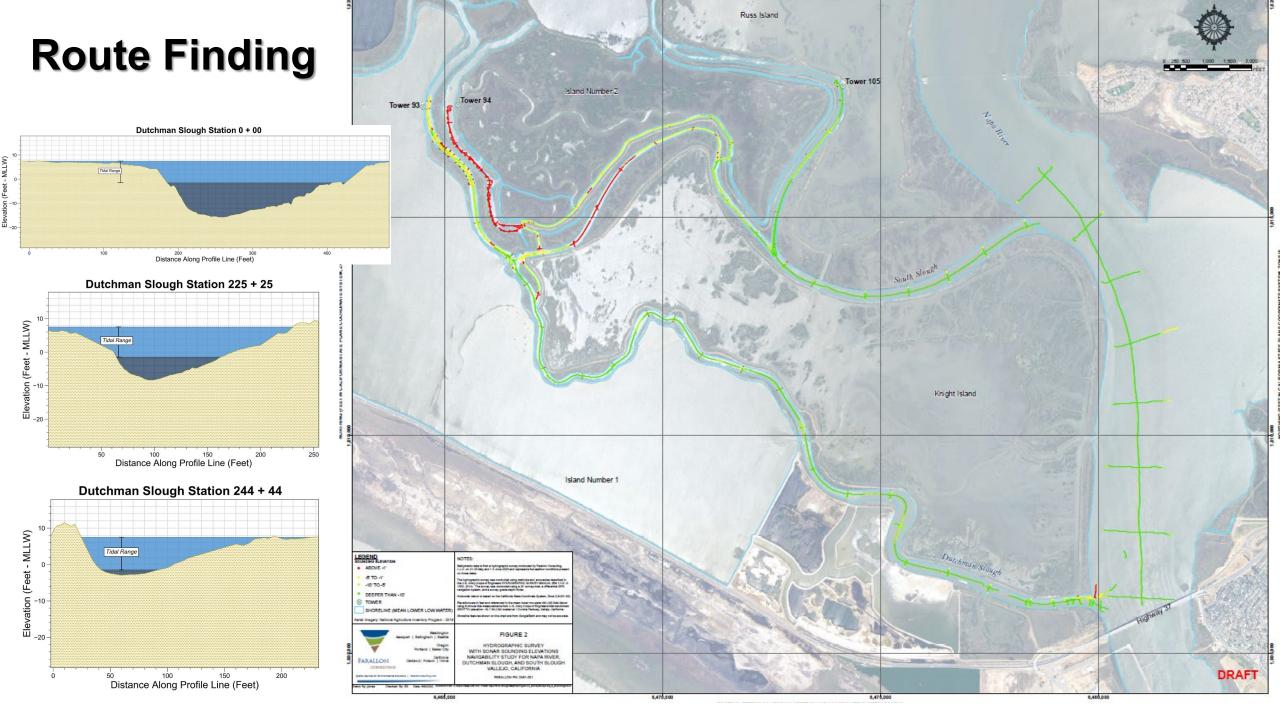
TIMELINE OF FARALLON'S SERVICES

- May 2000: Route Finding
- August 2000 Dredging and Bulkhead Design
- September 2000 Dredge Permitting
- October 2021 Post Construction Monitoring



PG&E Emergency Tower Replacement Project





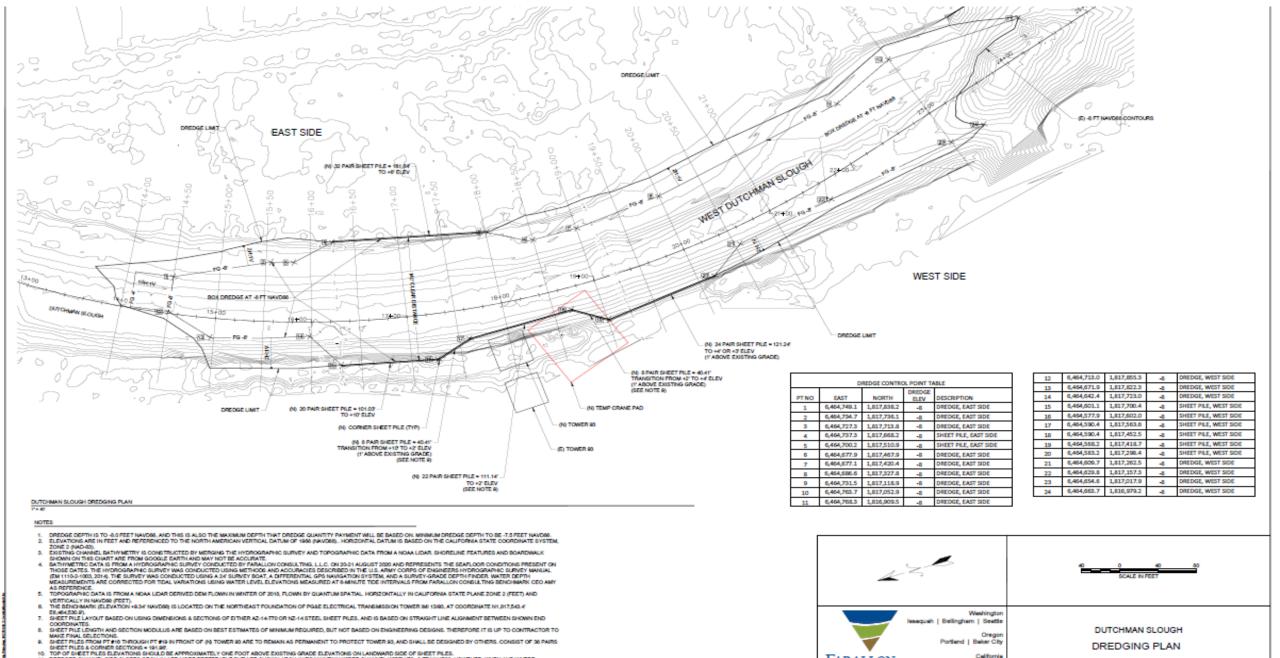
DREDGING & BULKHEAD DESIGN

Two areas considered:

- Access for barge to dock and transfer crane to access Tower 94 across unnamed island
- 2. Access for barge to construct new Tower 93







FARALLON

Drawn By:

CONSULTING

Quality Service for Environmental Solutions | familiar consulting co-

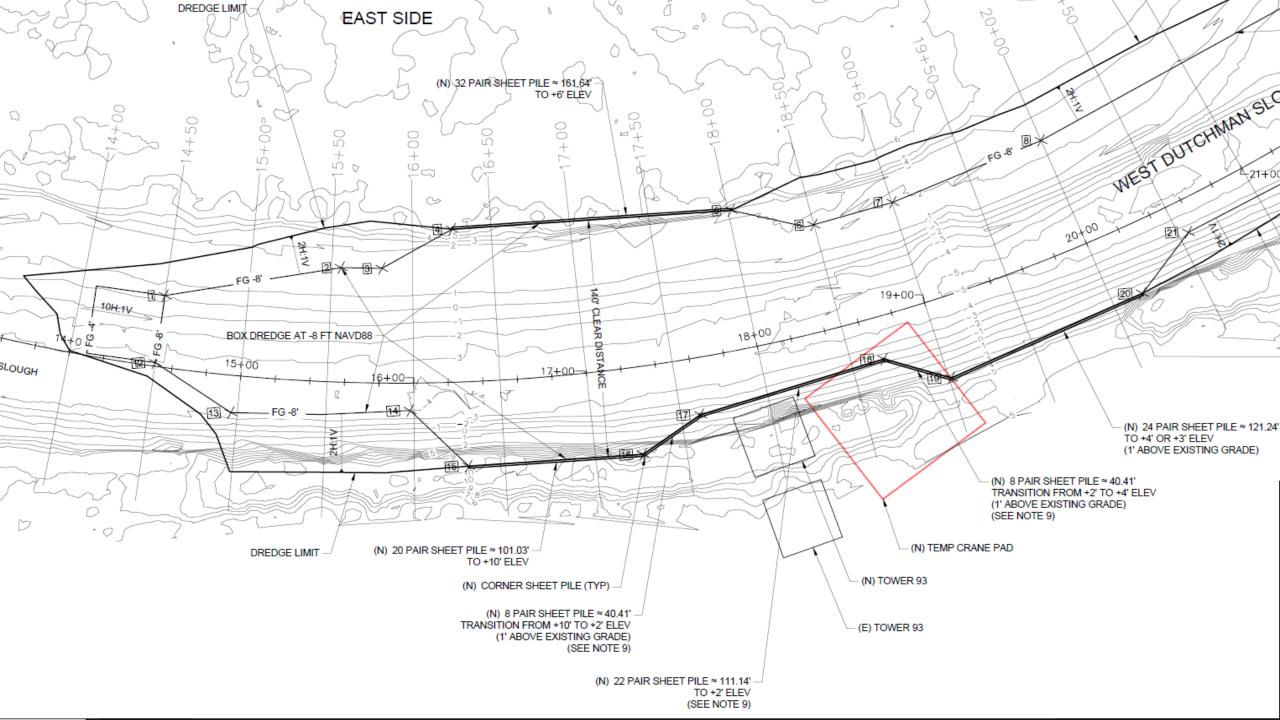
Checked By:

Oakland | Folsom | Irvine

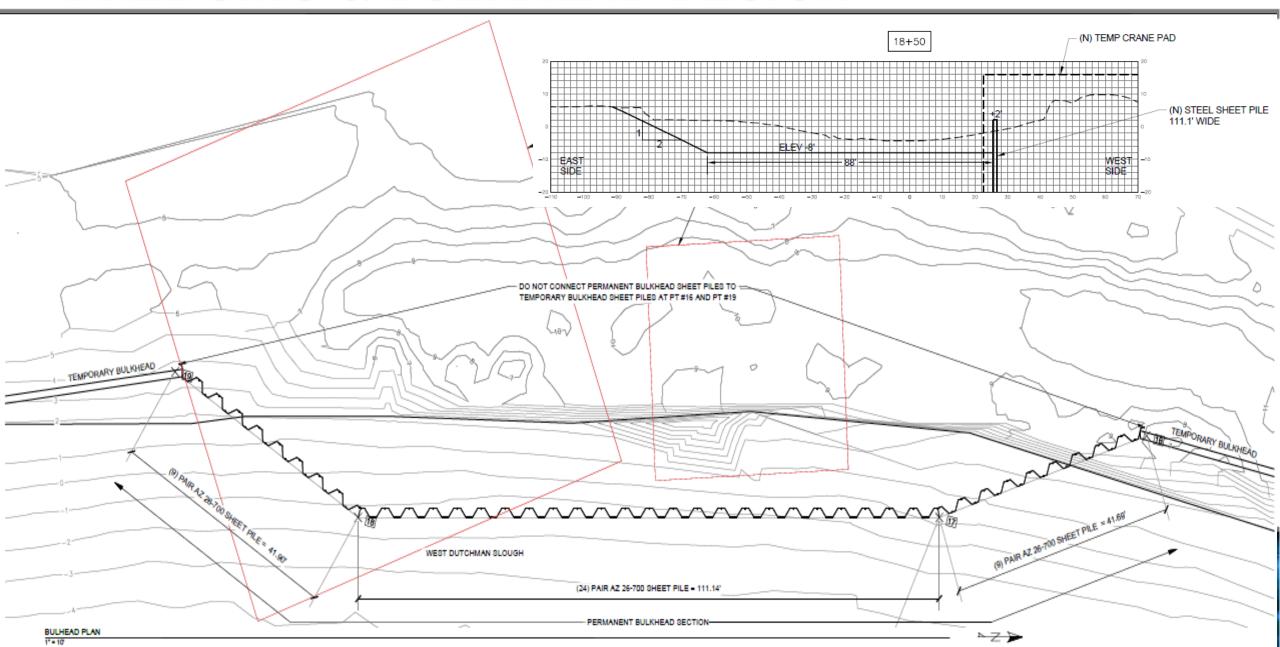
FARALLON PN: 2461-003

Date: 9/30//2020

DREDGED CHANNEL SIDE SLOPES OF SHETVIARE MORE PREFERABLE BUT ARE SHOWN AT SHETVITO MANTHIN WIDER CHANNEL WIDTH TO 4 FT NAVORS HOWEVER, WHEN AND WHERE POSSIBLE CAN USE SHETVI SIDE SLOPES TO MINIMET SLOUGHING OF CHANNEL SIDE SLOPES, REQUIRES APPROVAL OF OWNERS REPRESENTATIVE.



DREDGING & BULKHEAD DESIGN



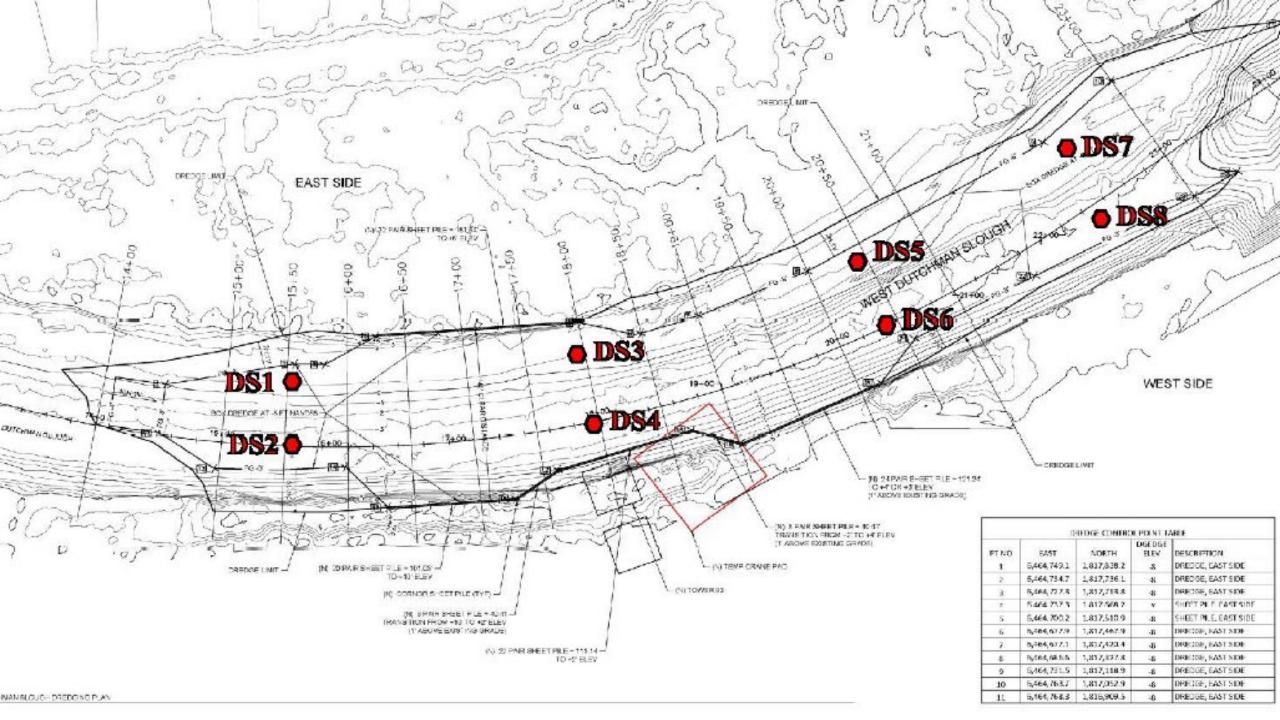
DREDGE PERMITTING

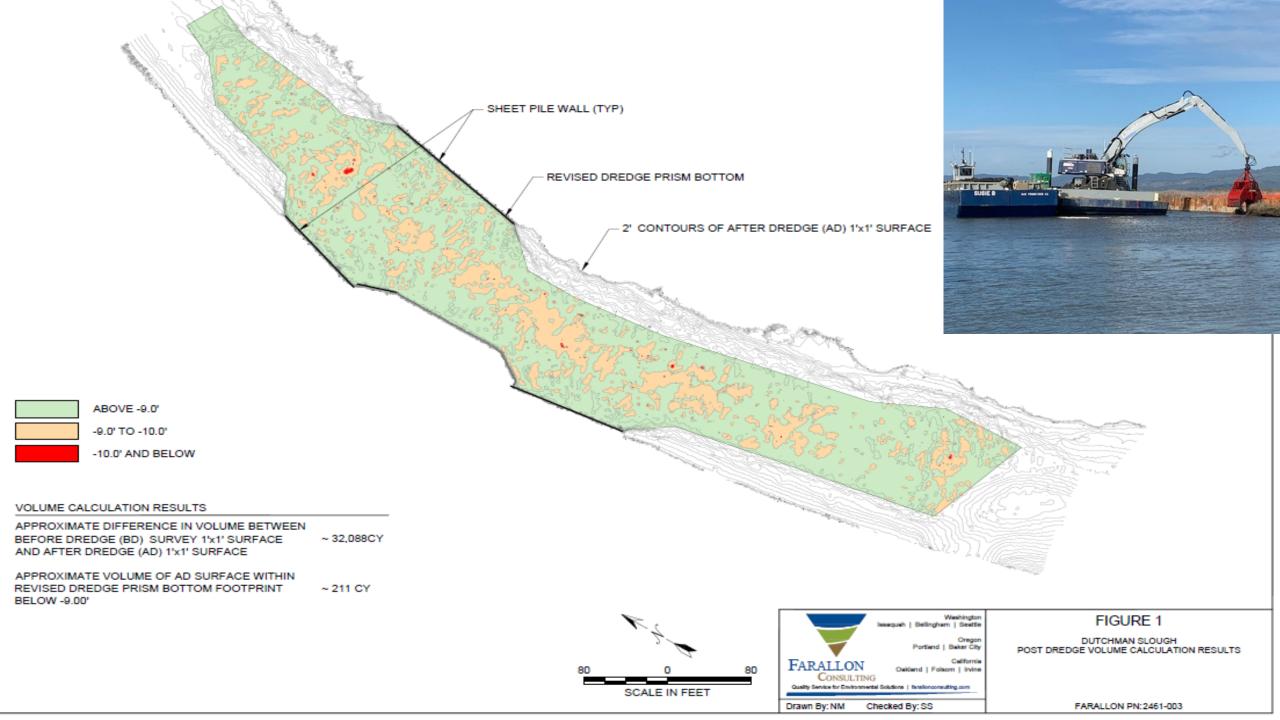
Permit No. SPN-2020-00347N

- 1. Prepared SAP
- 2. Completed Sampling
- 3. Identified Reuse Options

Elevated selenium resulted in the need to reuse material as wetland foundation material at the Montezuma site









POST-CONSTRUCTION MONITORING





POST-CONSTRUCTION MONITORING

Section 401 certification permit issued by the SF RWQCB requires "monitoring of temporarily impacted and restored areas for a minimum of 5 years..."





POST-CONSTRUCTION MONITORING

- Crane Matting area elevations range from +3.5'NAVD88 to +5.5'NAVD88
- This area will be inundated at least partially each day due to compression from crane matting and construction.
- A daily cycle will have partial or complete inundation at the highest high tides, complete draining at low tide, partial inundation at low high tide and then another complete drain.
- Even the weakest high tide in 2022 (+3.7') should partially inundate the area
- High tide at the site is experienced about 90 minutes after high tide at Mare Island

TEAM EFFORT





















