

## Habitat Evaluation

**Project Number:** 2021-61 Pounds

**Project Description:** Drive 4 new metal pilings to stabilize existing 10x20 ft deck/sitting area. Construct 4x50 ft pier, 3x30 ft gangway, and 17x28 ft covered boatlift. Proposed new construction includes driving 11 new metal pilings.

One piling will be driven in the 'Area of repair' where tules are present.

**Construction Timeframe:** Construction will occur within October 15 to December 31 work window.

### Survey Information:

Date of Survey: 11/02/2021  
Start/End Time: 10:45 to 11:15  
Surveyor(s): SW; WF  
Date of Vertical Profile: 10/21/2020\*  
Lake Level: 0.7 R

\*Note that vertical profile was done by the contractor in 2020.

### Vertical Profile Measurements

Station	X Dist*	Depth (Field)	Depth (R)	Comments
0+00	0	0	3.7	seawall
0+06	6	2.0	1.7	lakebed at base of seawall foundation
0+30	30	--	0.7	waterline on 10/21/2020
0+51	51	-0.7	0	
0+71	71	-1.3	-0.6	
0+91	91	-2.0	-1.3	
1+11	111	-2.7	-1.9	
1+31	131	-3.1	-2.4	
1+51	151	-3.6	-2.9	

\* Measurements are from Reference Point shown on map.

### Narrative

Project begins at existing seawall. Depth of readings in project area ranged from 1.7 Rumsey at base of seawall foundation (approx. 6 ft from seawall) to approx. -2.9 ft Rumsey at lakeward extent of project. Lakebed has a slight lakeward slope. Tules were present within and adjacent to the project area.

### Stream Proximity

Stream Name	Dist. to Stream
Adobe Creek	4.9
Burns Valley	16.3
Cache Creek	17.7
Cole Creek	7.1
Forbes Creek	4.0
Kelsey Creek	6.9
Lyons Creek	0.6
McGaugh Slough	5.2
Molesworth Creek	17.9
Morrison Creek	5.1

<i>Stream Name</i>	<i>Dist. to Stream</i>
Rodman Slough	1.4
Rumsey Slough	5.1
Schindler Creek	13.7

# Supplemental Environmental Report

Permit Number **2021-61**

## Project Components

a. Please check which of the following best describes the proposed project. All aspects of the proposed project should be indicated.

Project Component	Check for YES
Seawall or Bank Stabilization	<input type="checkbox"/>
Pier, Dock, or Floating Structure	<input checked="" type="checkbox"/>
Mooring Buoy	<input type="checkbox"/>
Cable or pipeline	<input type="checkbox"/>
Boat Ramp	<input type="checkbox"/>
Dredging	<input type="checkbox"/>

## General Information

a. Will construction activities be conducted between October 15 and December 31? If no, please provide an approximate timeframe for the construction.

YES, NO, N/A

## Environment/Land Characteristics

a. Please check all of the following that describe the project area and the surrounding area.

### Terrestrial Features

Description	Present
Seawall or Rip-Rap	<input type="text" value="YES"/>
Cliffs	<input type="text" value="NO"/>
Maintained Lawn	<input type="text" value="YES"/>
Grassland or Pasture	<input type="text" value="NO"/>
Bushes or Shrubs	<input type="text" value="NO"/>
Large Trees (DBH <12")	<input type="text" value="NO"/>

Enter all notes here. Specify feature.

### Aquatic Features

Description	Present
Marsh or Wetland	<input type="text" value="NO"/>
Beach Sand	<input type="text" value="NO"/>
Mud Flat	<input type="text" value="YES"/>
Gravel or Rock Bottom	<input type="text" value="NO"/>
Tules, Reeds, or Rushes	<input type="text" value="YES"/>
Submerged or Floating Veg.	<input type="text" value="NO"/>
Large Rocks	<input type="text" value="NO"/>

Enter all WR Comments here. Specify feature.

## Potential for impacts within the project area evaluated for the following:

### Vegetation

a. Will terrestrial vegetation be removed within the project area? If yes, describe the type of vegetation (i.e., species if possible) and the approximate amount of vegetation to be removed. Do not include blackberries, ornamental plants, or maintained lawns.

YES, NO

WR Comments

One square foot of tules will be relocated to place a single 8 inch piling.

- b. Is habitat present? If yes, describe the habitat and measures to protect resource. Habitat may include aquatic vegetation such as tules or terrestrial vegetation such as trees used for nesting.

YES, NO

WR Comments

Tules are present at location. Other than as noted above, no tules will be impacted.

**Wildlife**

- a. Are raptors or nesting birds present or typically present within or adjacent to the project area?

YES, NO

WR Comments



- b. Will the project result in a barrier to the migration or movement of animals? If yes, describe the nature of the barrier.

YES, NO

WR Comments



**Land**

- a. Will the project require dredging, grading, removal of material, or filling of land in or adjacent to Clear Lake? If yes, explain. Include the approximate quantity of material to be removed and a description of where spoils will be placed.

YES, NO

WR Comments



- b. Will the project result in unstable soil conditions during or after completion of the project?

YES, NO

WR Comments



- c. If project components include seawall or bank stabilization, will the project change the topography or ground surface that is inconsistent with the natural surrounding conditions?

YES, NO, N/A

WR Comments



- d. If project components include pier, dock, or floating structure, will the project connect to the shore? If yes, describe the connection (for example, seawall, concrete landing, natural ground)?

YES, NO, N/A

WR Comments

New structure will connect to existing pier/dock structure that connects to an existing seawall.

**Water Quality**

- a. Will the project result in alteration of water quality, including but not limited to temperature or turbidity? If yes, describe the alteration to the water quality.

YES, NO

WR Comments

- b. Will the project result in discharge into surface waters? If yes, describe the type of discharge and quantity of discharge

YES, NO, N/A

WR Comments

- c. Does the project include facilities for the storage and/or dispensing of gasoline, oil, paint/stain/varnish, or other such materials? If yes, describe the facility and the type of material(s).

YES, NO

WR Comments

- d. If project components include seawall or bank stabilization, will the project result in substantial alteration to storm water drainage? If yes, describe alteration to the storm water drainage.

YES, NO, N/A

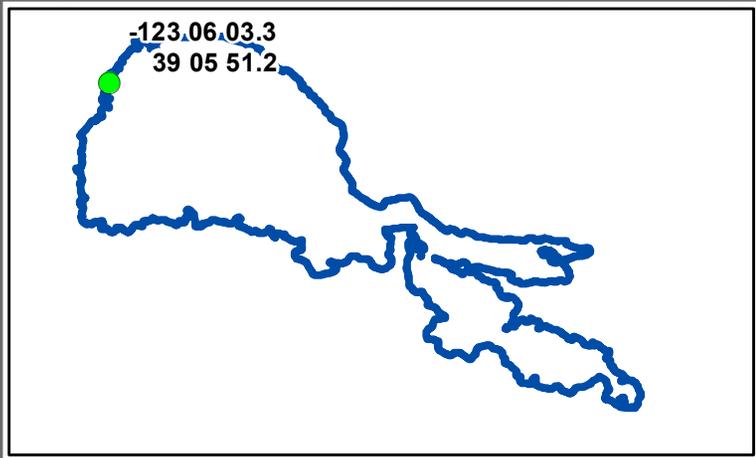
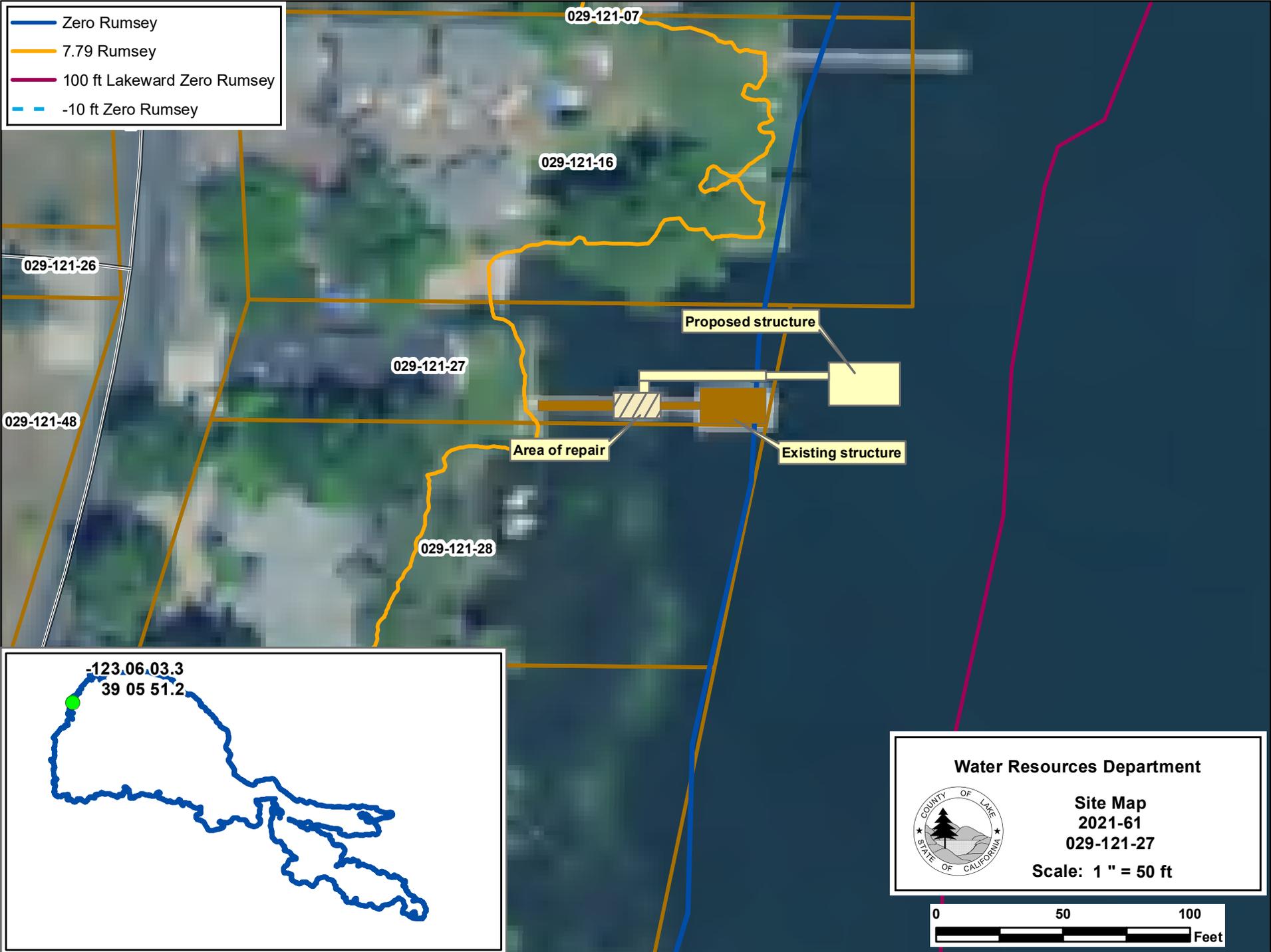
WR Comments

- e. If project components include a pier, dock, or floating structure, will the foundation of the project be 90 percent open to the free circulation of water?

YES, NO, N/A

WR Comments

- Zero Rumsey
- 7.79 Rumsey
- 100 ft Lakeward Zero Rumsey
- -10 ft Zero Rumsey

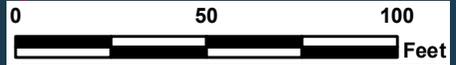


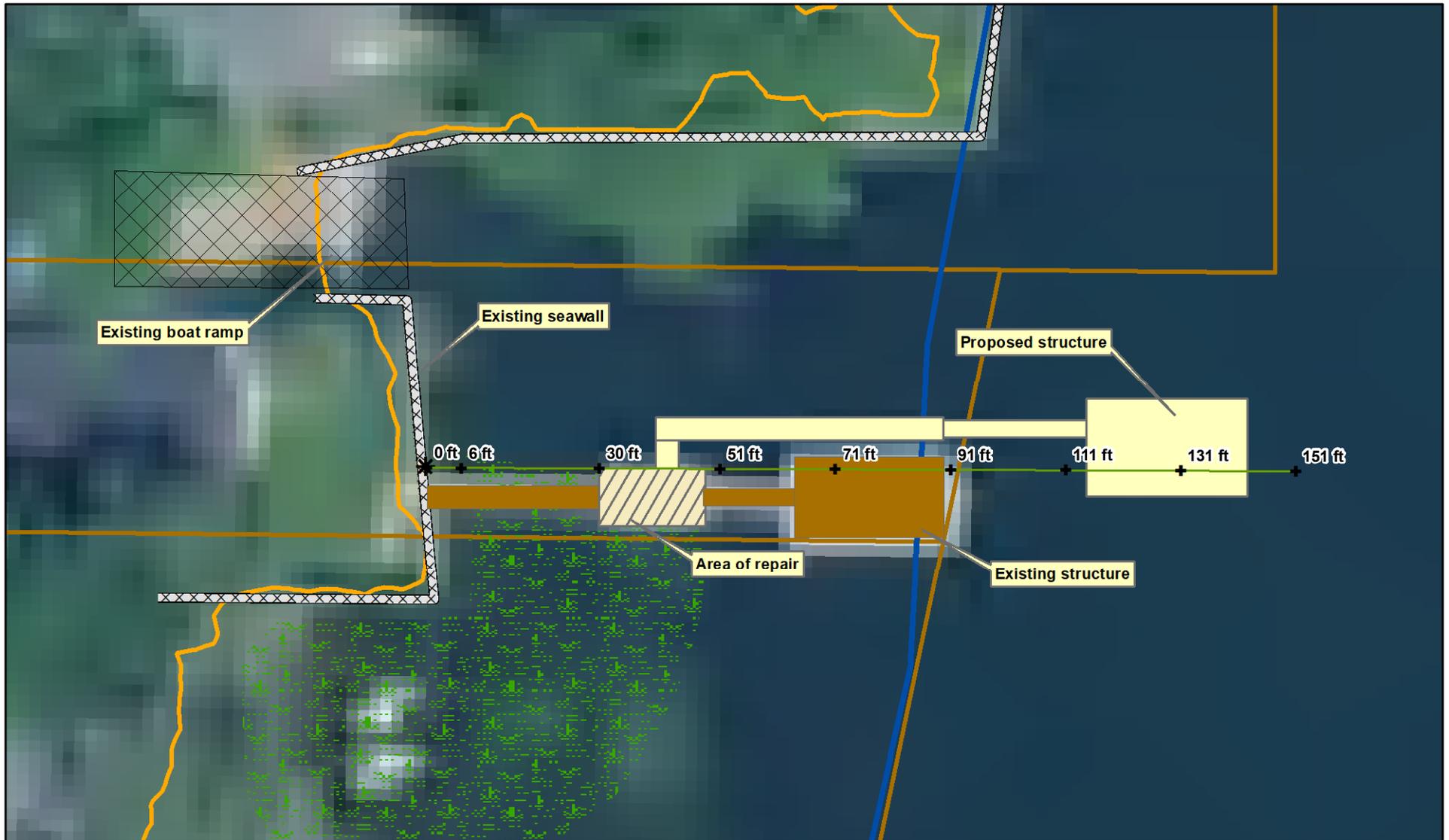
**Water Resources Department**



**Site Map**  
**2021-61**  
**029-121-27**

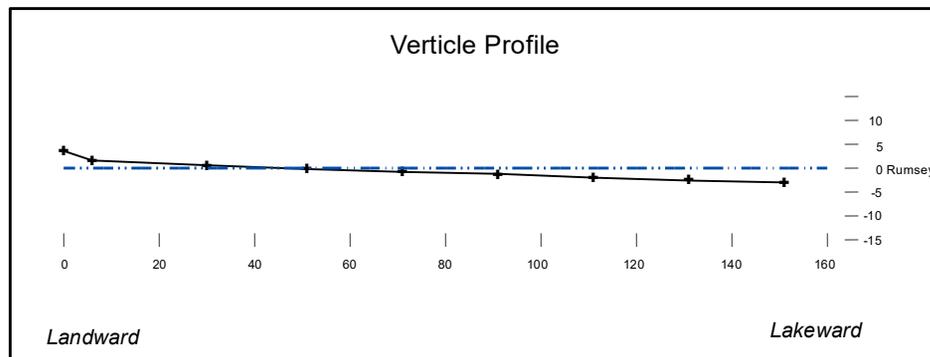
**Scale: 1" = 50 ft**





**Date of Survey:** 11/02/2021  
**Start/End Time:** 10:45 to 11:15  
**Surveyor(s):** SW; WF  
**Date of Profile:** 10/21/2020  
**Lake Level:** 0.7 R

**Natural Features**  
 Trees  
 Tules



**Habitat Evaluation Map**  
**2021-61**  
**029-121-27**  
**Scale: 1" = 25 ft**



**Water Resources Department**



