

## 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