

MAC Report

April 2024

SUBMITTED BY THE MARINE BUREAU



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MARINAS AND WATERWAYS

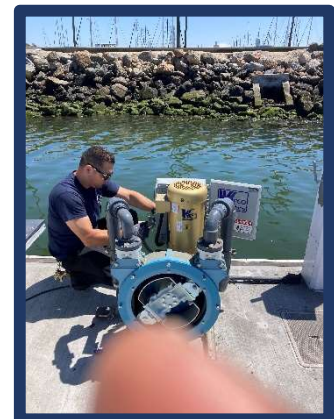
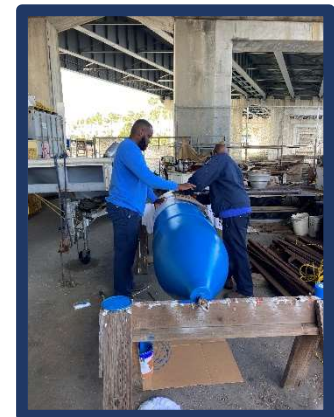
Accomplishments

- ❖ Marine Maintenance staff are in the process of replacing exterior doors at the Belmont Pool office. 50% completed.
- ❖ Staff have installed new hollow metal doors and frames at B-5 Public Restrooms.
- ❖ Staff have installed a new pump out on Parkers Public Dock.
- ❖ Staff have replaced broken backboards at Junipero Courts.



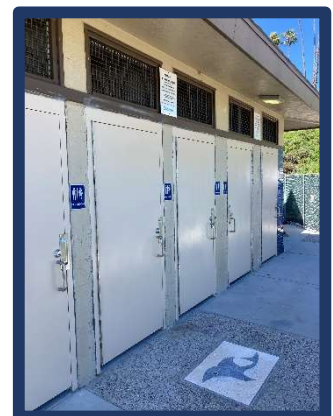
Projects in the Works

- ❖ Marine Maintenance staff is in the process of replacing all the damaged and missing signs throughout the Long Beach Shoreline Marina. Staff have already replaced all the "Gangway" and "No Visitor" signs. 90% completed.
- ❖ Marine Maintenance staff is in the process of retrofitting the existing twelve (12) booster pumps from a wet system to a dry fire suppression system in the Long Beach Shoreline Marina. 95% completed.
- ❖ Marine Maintenance staff are in the process of making improvements to the Alamitos Bay Marina office, including painting the interior of the building. 50% completed.
- ❖ Marine Maintenance staff are in the process of inspecting and tightening all the loose fingers throughout the Long Beach Shoreline Marina. 40% completed.
- ❖ Marine Maintenance staff are in the process of inspecting and replacing all the damaged gangway water supply lines throughout Long Beach Shoreline Marina as needed. 45% completed. Marine Maintenance staff are in the process of repairing the restroom plumbing throughout Long Beach Shoreline Marina. 35% completed.
- ❖ Marine Maintenance staff are in the process of repairing concrete fingers throughout Long Beach Shoreline Marina. 10% completed.
- ❖ Marine Maintenance staff is in the process of installing two isolation valves for all 31 Gangway's in Shoreline Marina. 85% completed.
- ❖ Marine Maintenance staff is in the process of painting memorial benches in ABM. 60% completed.



MARINAS AND WATERWAYS

- ❖ Marine Maintenance staff are in the process of replacing all electrical components (breakers, receptacles, etc.) inside the pedestals located throughout Shoreline & Rainbow Harbor Marinas. 25% completed.
- ❖ Marine Maintenance staff is in the process of installing two isolation valves for all 33 Gangway's in Shoreline Marina. 85% completed.
- ❖ Marine Maintenance staff is in the process of retrofitting all pedestals inside of Rainbow Harbor Marina (SHM 1,2,3,4 docks 8 & 9) 35% completed.
- ❖ Marine Maintenance staff are in the process of painting curbs and guard posts throughout DTM. 85% completed.
- ❖ Marine Maintenance staff are in the process of cleaning buoys in ABM and DTM Marina's. 80% completed.
- ❖ Marine Maintenance staff is in the process of repairing the upper deck at Bayshore Concession Stand. 90% completed.
- ❖ Marine Maintenance staff are in the process of getting Bids for 62nd Street Pavers Repair. 10% completed.
- ❖ Marine Maintenance staff are in the process of replacing shower pans in Boat owner's restroom D-5. 75% completed.
- ❖ Staff are in the process of replacing Beach Restroom doors at B-5 restroom. 50% completed.
- ❖ Marine Maintenance staff are in the process of replacing hollow metal doors and Frames at B-4 Public Restrooms. 50% completed.
- ❖ Marine Maintenance staff are in the process of replacing A Buoy at the opening of the Marina. 40% completed.



BEACHES AND WATERWAYS

Accomplishments

- ❖ Beach Maintenance staff removed over 126 tons of trash and debris from the beaches and inner bays.
- ❖ Beach Maintenance staff hauled sand to peninsula, rebuilding from high tides and elevated surf.
- ❖ Beach Maintenance staff serviced 220 trash receptacles during the month of April.
- ❖ Beach Maintenance staff swept the bike/pedestrian path.
- ❖ Beach Maintenance staff conducted weekly clean-ups of several homeless encampments throughout the beach areas.
- ❖ Beach Maintenance staff raked and cleaned throughout beach areas.
- ❖ Beach Maintenance staff cleaned the waterline of debris, daily.
- ❖ Beach Maintenance staff patched and painted trip hazard on the pedestrian path.
- ❖ Beach Maintenance staff cleaned staircases throughout beach layout.
- ❖ Beach Maintenance staff installed "Recycled Water" signs at Bluff Park, Alamos Heights Park, Colorado Lagoon, 6th and Monrovia Park and Will Rogers Mini Park.
- ❖ Beach Maintenance staff completed 2024 Grand Prix water shut offs and landscape repairs.
- ❖ Beach Maintenance staff raised Ficus trees at Colorado Lagoon.
- ❖ Beach Maintenance staff detailed Museum Slope.
- ❖ Beach Maintenance staff performed weekly PEH clean-ups.
- ❖ Beach Maintenance staff removed dead Hopseed bushes and planted 8 Podocarpus trees at Spinnaker Bay.
- ❖ Queensway Bay staff conducted cleaning of all 60 basket filters in the Rainbow Lagoon, six days per week, twice per day.

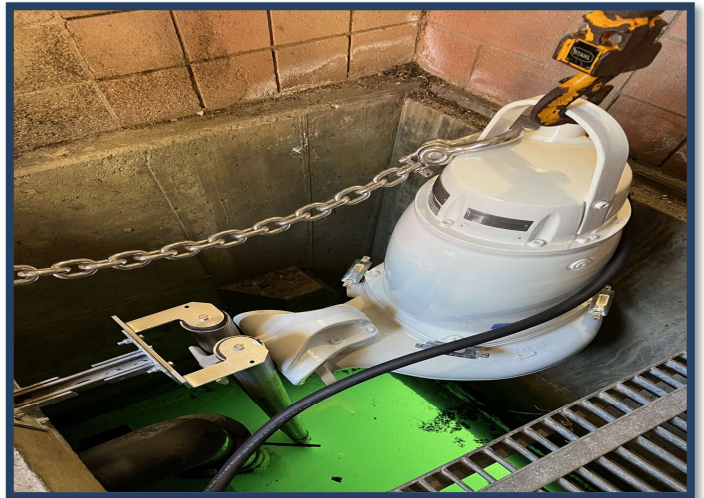


BEACHES AND WATERWAYS

- ❖ Queensway Bay staff conducted daily removal of water borne debris and algae in the Rainbow Lagoon, Rainbow Harbor Marina, and Long Beach Shoreline Marina, using hand nets.
- ❖ Queensway Bay staff removed trash from docks, three times per week.
- ❖ Queensway Bay staff conducted monthly inspections on all docks throughout Rainbow Harbor Marina.
- ❖ Queensway Bay staff serviced all sewage pumps on the commercial docks 1-6, monthly.

Queensway Bay staff conducted weekly PEH encampment posting and cleanups.

- ❖ Queensway Bay staff conducted daily graffiti removal of the entire Rainbow Harbor area, including the Queensway bridge bike path and Queen Mary Park.
- ❖ Queensway Bay staff performed routine maintenance on the Wave and Dolphin Fountain twice per week.
- ❖ Queensway Bay staff removed storm debris from Rainbow Harbor and Marinas.
- ❖ Queensway Bay installed a new Lagoon fill pump in Rainbow Harbor.
- ❖ Queensway Bay removed trip hazards in walkways.
- ❖ Queensway Bay removed debris from the waterways with the 502-Skimmer vessel.
- ❖ Queensway Bay coordinated with contractor to install new security gates in Rainbow Harbor.

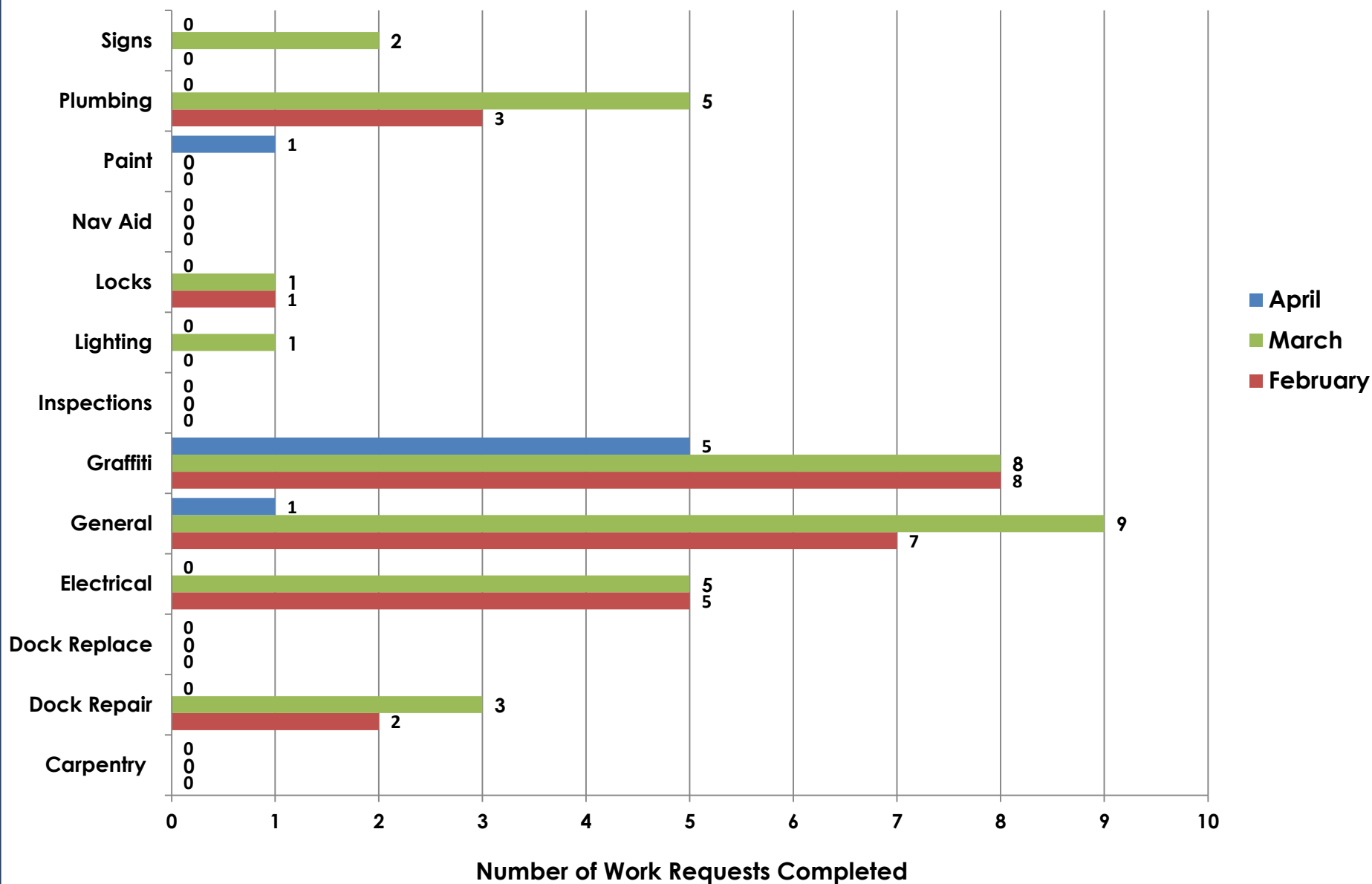


Projects in the Works

- ❖ Beach Maintenance staff is continuing the process of rebuilding sections of the peninsula where erosion occurs.
- ❖ QWB crew in the process of replacing 40 tree lights at Pine Ave circle.

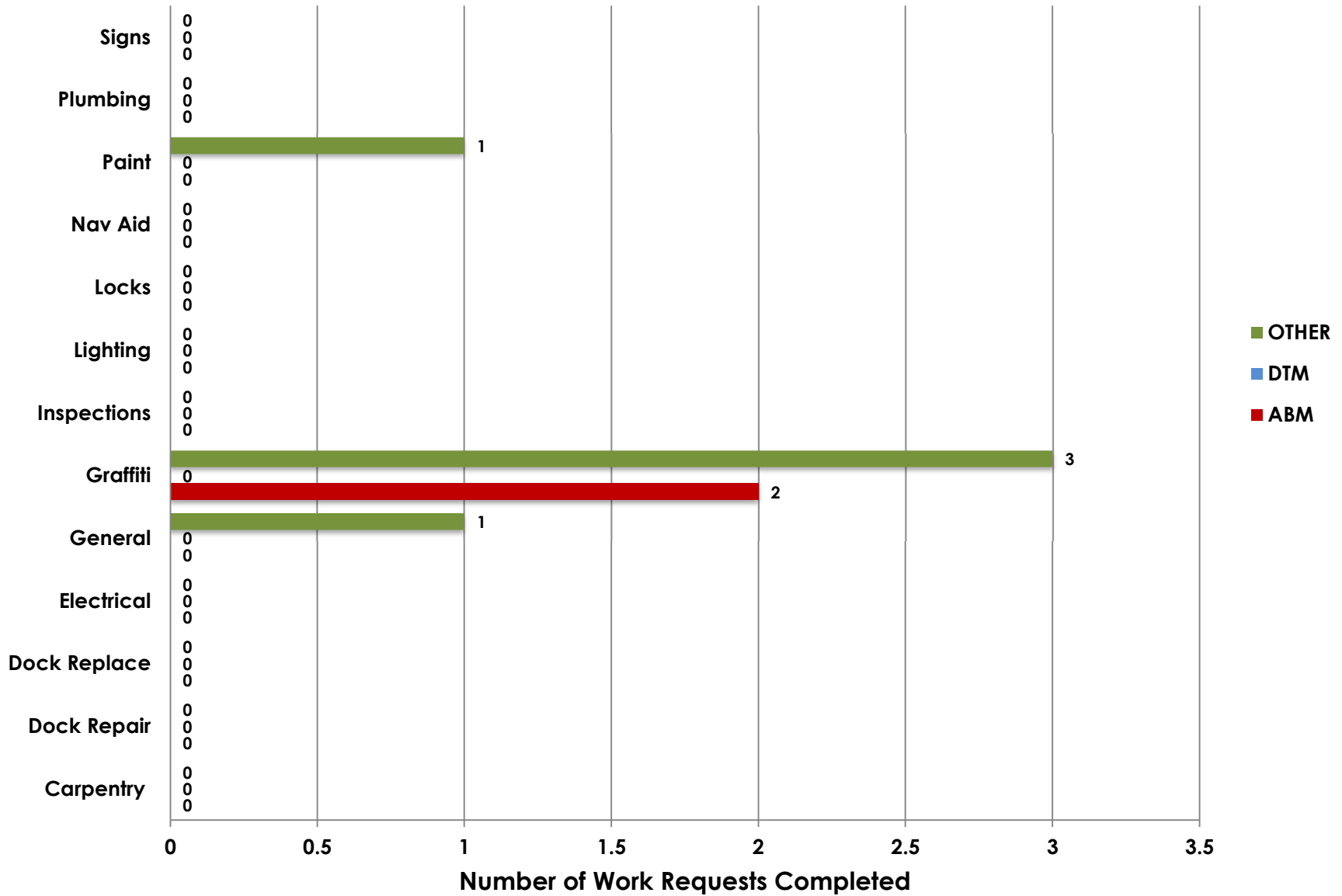
Marine Maintenance

Work Request Completed by Month



Marine Maintenance

Work Requests Completed by Location



PUMPOUT INSPECTION REPORT

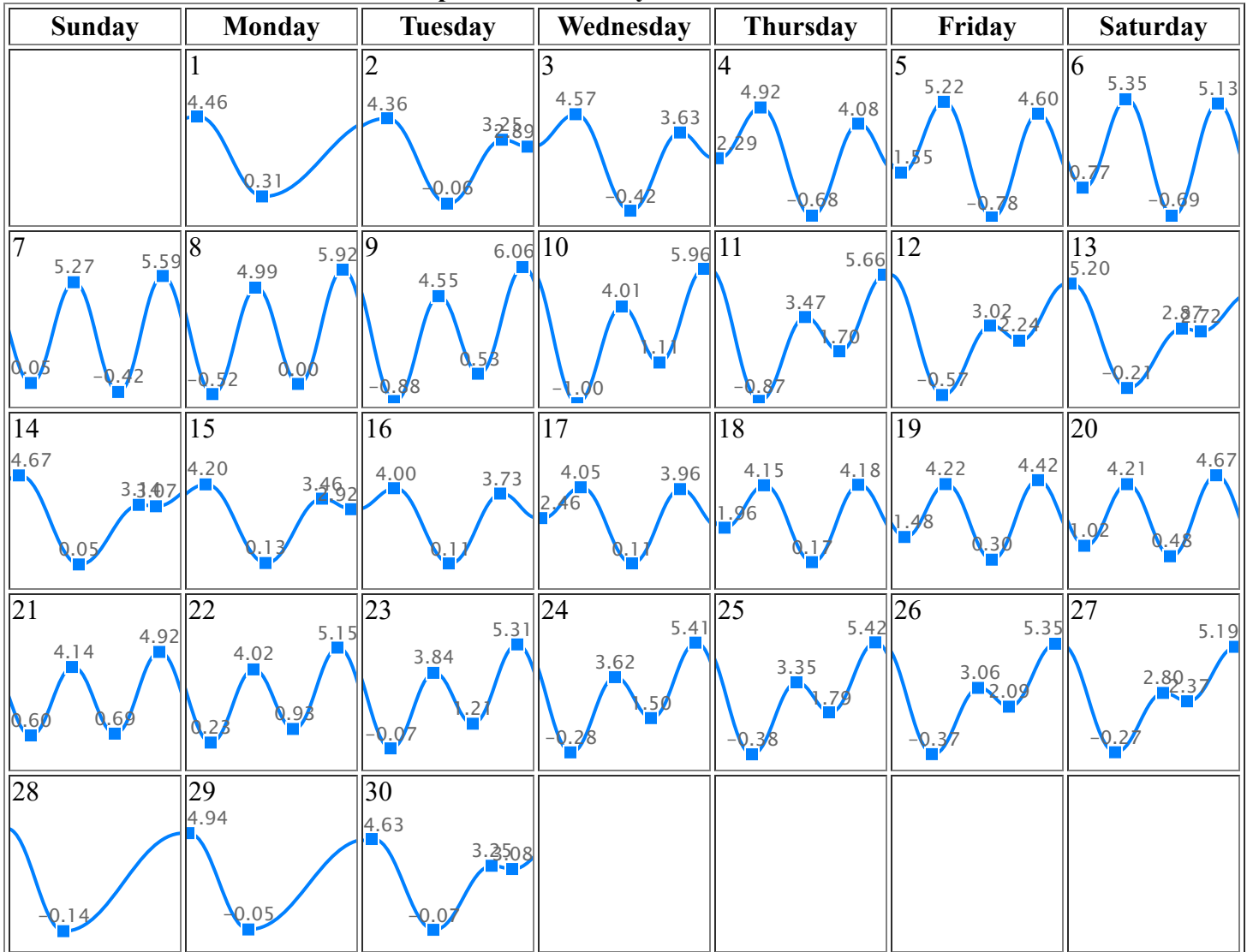
| Pump Out Locations | Dates | | | |
|-------------------------|----------|----------|----------|----------|
| | 04/04/24 | 04/11/24 | 04/17/24 | 04/24/24 |
| Gwy A, A | NW | NW | NW | NW |
| Gwy A, B | NW | NW | NW | NW |
| Parker's Public Dock, A | W | W | W | W |
| Parker's Public Dock, B | NC | NC | NC | NC |
| Parker's Public Dock, C | W | W | NW | NW |
| Dock 9 | W | W | W | W |
| Basin 6 South | W | W | W | W |
| Basin 6 North | W | W | W | W |
| Davie's Launch Ramp, A | W | W | W | W |
| Station 31, A | W | W | W | W |
| Station 31, B | W | W | W | W |
| Station 21 | W | W | W | W |
| Basin 1, Gwy 2 | W | W | W | W |
| Basin 1, Gwy 4 | W | W | W | W |
| Basin 2, Gwy 8 | NW | W | W | W |
| Basin 2, Gwy 11 | W | W | W | W |
| Basin 3, Gwy 16 | W | W | W | W |
| Basin 3, Gwy 19 | W | W | W | W |
| Basin 4, Gwy 28 | W | W | NW | W |
| Basin 4, Gwy 31 | W | W | NW | W |
| Basin 5, Gwy 33 | W | W | W | W |

KEY

W = Working
 NW = Not Working
 N/A = Not Applicable
 NC = No Cart


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NOAA/NOS/CO-OPS
Tide Predictions at 9410686, Long Beach, Inner Harbor CA
April 2024 Monthly Calendar View



Note: The interval is High/Low, the solid blue line depicts a curve fit between the high and low values and approximates the segments between.

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

High/Low Tide Prediction Data Listing

Station Name: Long Beach, Inner Harbor, CA

Source: NOAA/NOS/CO-OPS

Action: Monthly

Prediction Type: Subordinate

Product: Tide Predictions

Datum: MLLW

Start Date & Time: 2024/4/1 12:00 AM

Height Units: Feet

End Date & Time: 2024/4/30 11:59 PM

Time Zone: LST/LDT

| Date | Day | Time | Hgt | Time | Hgt | Time | Hgt | Time | Hgt |
|------------|-----|----------|---------|----------|---------|----------|---------|----------|--------|
| 2024/04/01 | Mon | 01:36 AM | 4.46 H | 10:45 AM | 0.31 L | | | | |
| 2024/04/02 | Tue | 03:24 AM | 4.36 H | 11:57 AM | -0.06 L | 7:36 PM | 3.25 H | 11:08 PM | 2.89 L |
| 2024/04/03 | Wed | 05:06 AM | 4.57 H | 12:47 PM | -0.42 L | 7:43 PM | 3.63 H | | |
| 2024/04/04 | Thu | 12:27 AM | 2.29 L | 06:19 AM | 4.92 H | 1:28 PM | -0.68 L | 8:02 PM | 4.08 H |
| 2024/04/05 | Fri | 01:21 AM | 1.55 L | 07:17 AM | 5.22 H | 2:04 PM | -0.78 L | 8:26 PM | 4.60 H |
| 2024/04/06 | Sat | 02:09 AM | 0.77 L | 08:09 AM | 5.35 H | 2:38 PM | -0.69 L | 8:54 PM | 5.13 H |
| 2024/04/07 | Sun | 02:56 AM | 0.05 L | 08:59 AM | 5.27 H | 3:11 PM | -0.42 L | 9:23 PM | 5.59 H |
| 2024/04/08 | Mon | 03:42 AM | -0.52 L | 09:48 AM | 4.99 H | 3:44 PM | 0.00 L | 9:55 PM | 5.92 H |
| 2024/04/09 | Tue | 04:29 AM | -0.88 L | 10:39 AM | 4.55 H | 4:16 PM | 0.53 L | 10:28 PM | 6.06 H |
| 2024/04/10 | Wed | 05:17 AM | -1.00 L | 11:32 AM | 4.01 H | 4:48 PM | 1.11 L | 11:04 PM | 5.96 H |
| 2024/04/11 | Thu | 06:09 AM | -0.87 L | 12:33 PM | 3.47 H | 5:21 PM | 1.70 L | 11:42 PM | 5.66 H |
| 2024/04/12 | Fri | 07:08 AM | -0.57 L | 1:52 PM | 3.02 H | 5:55 PM | 2.24 L | | |
| 2024/04/13 | Sat | 12:25 AM | 5.20 H | 08:19 AM | -0.21 L | 3:55 PM | 2.87 H | 6:35 PM | 2.72 L |
| 2024/04/14 | Sun | 01:21 AM | 4.67 H | 09:45 AM | 0.05 L | 6:14 PM | 3.14 H | 8:32 PM | 3.07 L |
| 2024/04/15 | Mon | 02:46 AM | 4.20 H | 11:10 AM | 0.13 L | 6:59 PM | 3.46 H | 11:11 PM | 2.92 L |
| 2024/04/16 | Tue | 04:31 AM | 4.00 H | 12:14 PM | 0.11 L | 7:26 PM | 3.73 H | | |
| 2024/04/17 | Wed | 12:28 AM | 2.46 L | 05:52 AM | 4.05 H | 12:59 PM | 0.11 L | 7:48 PM | 3.96 H |
| 2024/04/18 | Thu | 01:15 AM | 1.96 L | 06:50 AM | 4.15 H | 1:33 PM | 0.17 L | 8:07 PM | 4.18 H |
| 2024/04/19 | Fri | 01:51 AM | 1.48 L | 07:34 AM | 4.22 H | 2:00 PM | 0.30 L | 8:24 PM | 4.42 H |
| 2024/04/20 | Sat | 02:23 AM | 1.02 L | 08:13 AM | 4.21 H | 2:22 PM | 0.48 L | 8:40 PM | 4.67 H |
| 2024/04/21 | Sun | 02:54 AM | 0.60 L | 08:49 AM | 4.14 H | 2:43 PM | 0.69 L | 8:57 PM | 4.92 H |
| 2024/04/22 | Mon | 03:24 AM | 0.23 L | 09:24 AM | 4.02 H | 3:03 PM | 0.93 L | 9:15 PM | 5.15 H |
| 2024/04/23 | Tue | 03:55 AM | -0.07 L | 10:00 AM | 3.84 H | 3:23 PM | 1.21 L | 9:36 PM | 5.31 H |
| 2024/04/24 | Wed | 04:28 AM | -0.28 L | 10:39 AM | 3.62 H | 3:43 PM | 1.50 L | 9:58 PM | 5.41 H |
| 2024/04/25 | Thu | 05:04 AM | -0.38 L | 11:21 AM | 3.35 H | 4:04 PM | 1.79 L | 10:24 PM | 5.42 H |
| 2024/04/26 | Fri | 05:45 AM | -0.37 L | 12:12 PM | 3.06 H | 4:25 PM | 2.09 L | 10:53 PM | 5.35 H |
| 2024/04/27 | Sat | 06:33 AM | -0.27 L | 1:18 PM | 2.80 H | 4:44 PM | 2.37 L | 11:29 PM | 5.19 H |
| 2024/04/28 | Sun | 07:32 AM | -0.14 L | | | | | | |
| 2024/04/29 | Mon | 12:16 AM | 4.94 H | 08:44 AM | -0.05 L | | | | |

| | | | | | | | | | |
|------------|-----|----------|--------|----------|---------|---------|--------|---------|--------|
| 2024/04/30 | Tue | 01:25 AM | 4.63 H | 10:00 AM | -0.07 L | 6:04 PM | 3.25 H | 8:59 PM | 3.08 L |
|------------|-----|----------|--------|----------|---------|---------|--------|---------|--------|