

Lake Owen Association Lake Manager Activities Report Board Update August 17, 2023

Boat Landing AIS Prevention: Decontamination Stations, etc.

Coverage is pretty good through September. It is subject to change. Addie should have a handle on changes to the schedule if you have questions about coverage on a particular day.

Results through 8/15/23

Decontaminations:

125 North Landing (totals for 2022: 54, 2021: 22) **125/444 = 28%** Goal: 300/1500 20%

18 Campground

Boats Inspected (CBCW):

North Landing: 540 (totals for 2022: 552, 2021: 444)

Campground: 343 (totals for 2022: 164, 2021: 325)

We are troubleshooting some discrepancies between instructions and data gathering.

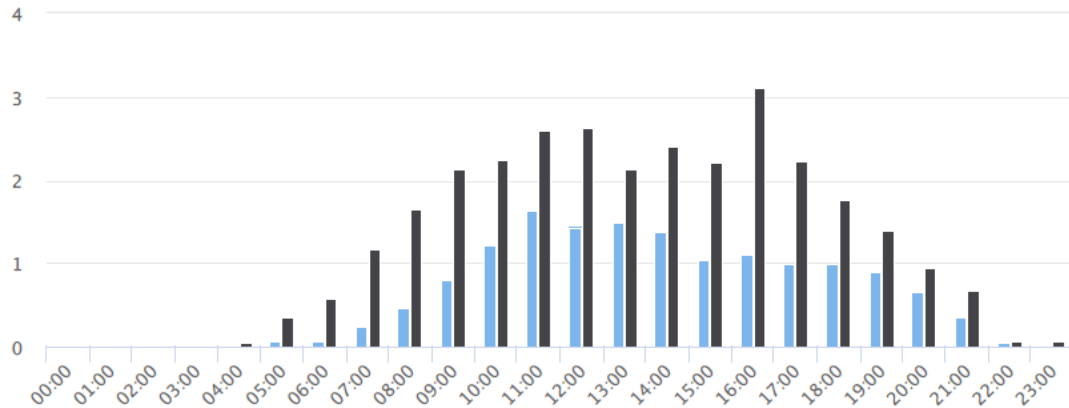
No wake/surf boats are reported on inspections reports 2019 -2023. This means that if wake boats entered when inspectors were present, they came from Lake Owen.

Landing use monitoring

Steve completed the first upload of landing data in July. The data from the North landing and the campground may need to be tweaked due to how the sensors collect the data (over-counting is the issue). Regardless, comparing the two landings show that the North landing is the busiest. The data also summarized the busiest days of the week and the busiest times over the sampling period. Saturdays are the busiest at North landing and campground landings, followed by Sunday, then Friday (no surprises). The busiest times at these two landings are 10 am until 5 pm, with a spike at 4 pm at the North landing. Otter Bay also had some jam-packed days just before the fishing tournament (Amy caught this spike in the data). Saturday has been significantly busier than other days at Otter Bay, followed by Friday. The busiest times at Otter Bay are similar to the other two landings.

Hours of the day

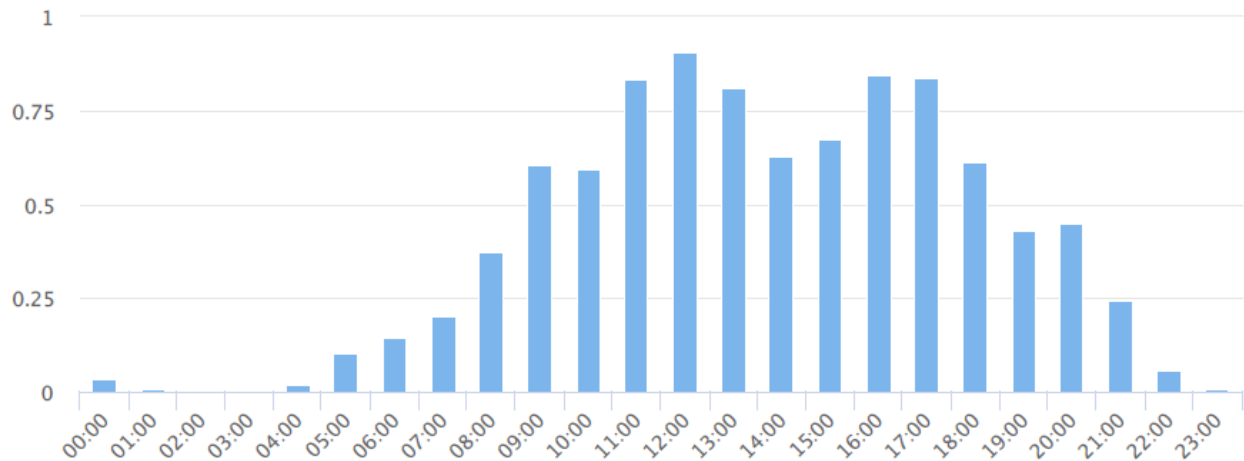
2023-05-20 to 2023-07-26
Hourly averages



Example graph: Blue is campground and black is north landing (subject to change, need to fine-tune data analysis).

Hours of the day

2023-06-01 to 2023-07-30
Hourly averages

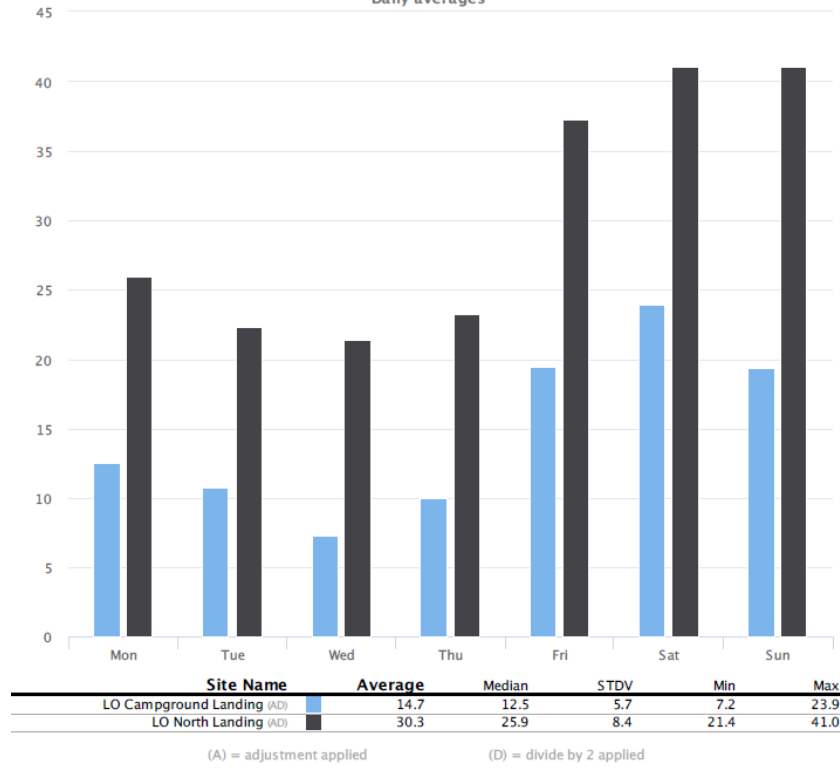


Otter Bay results: scale is different from above

Days of the week

2023-05-20 to 2023-07-26

Daily averages

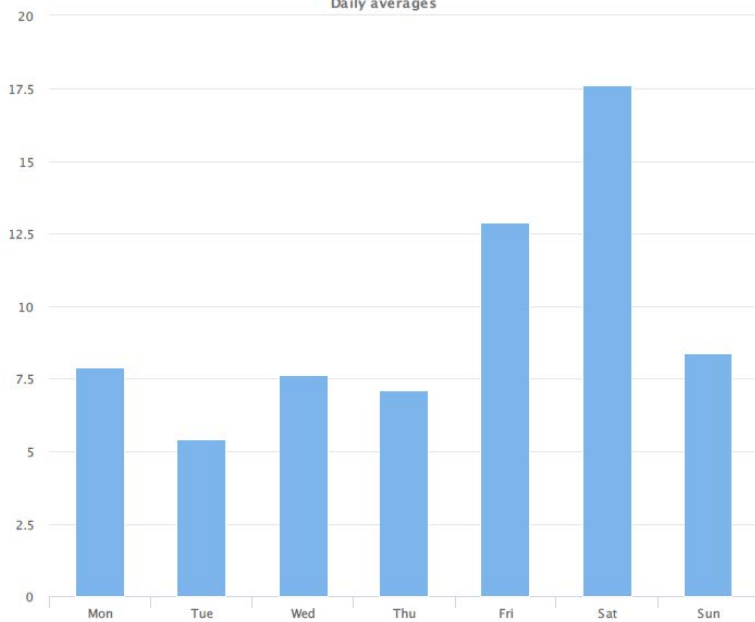


Campground (blue) and North Landing (black) results

Days of the week

2023-06-01 to 2023-07-30

Daily averages



Otter Bay results: activity divided by 2

Shoreland Visits

No response from Virginia Beach Condos and Lake Owen Villas regarding assistance the LOA could provide to encourage mitigation of runoff and erosion.

Strategic Plan Tables

A draft is available for board review. A planning session is recommended to set direction for 2024.

Lake Owen Science Update

AIS Surveys

AIS meander surveys occurred in June and July. Two will occur in August and September. We evaluated yellow iris in June. None was present at any 2022 mitigation site. Two yellow iris locations were observed in the June survey. Both sites were previously identified. One was not mitigated previously because there was no permission from a private owner. The second is on USFS land. Both sites will be addressed with manual removal (permission is secured). No new invasive species were located. The phragmites does not appear to have spread, but mitigation of this stand is recommended.

Water Quality Analysis

Monthly water sample collection occurred in May, June, and July. We also collected nutrient profiles soon after the ice out in May. The lowest Secchi depth we have observed was recorded in May. This indicates that the lake was likely still mixed. The phosphorus samples and chlorophyll samples so far have been VERY low. We are monitoring the outflow, and the lake levels and water flux summary will be evaluated in the winter.

Thermistor String

The thermistor string is intact and looks good (except for the ugly bobber).

Pontoon Tour

On July 17, we held a pontoon tour with 7 in attendance. We covered the following topics:

- Invasive species present in Lake Owen: how to identify and reasons for concern.
- Critical habitat areas and the organisms that rely on these habitats.
- Water quality in relationship to water clarity and human activity that could adversely affect water clarity/quality.
- Wake generation from boats.

Attendees were attentive and interested, with great questions. The July 18 and 25 tours were canceled due to low sign-ups.

LOA SEPTEMBER SCHEDULE 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					LABOR DAY WKND 1 ZACH D NL 8A-4 ZACH L 10A -6P	LABOR DAY WKND 2 ZACH L NL 6:30A- 9:30 CATRINA CG 7A - 10A CATRINA NL 12P -5P
LABOR DAY WK 3 ZACH L NL 630A-930 CATRINA CG 7A- 10A CATRINA NL 12P-5P	LABOR DAY 4 ZACH D NL 8-4P	5 ZACH D NL 8-4P	6 JOHN NL8-4P	7 ZACH D NL 8A-4	8 ZACH D NL 8A-4 CATRINA CG 10A-6	9 JOHN NL 930A --530 CATRINA CG 9A-5
10 JOHN NL 8A - 4P CATRINA CG 8A-12	11 ZACH D NL 8-4P	12 ZACH D NL 8-4P	13 JOHN NL8-4P	14 ZACH D NL 8A-4	15 ZACH D NL 8A-4 CATRINA CG 10A-6	16 ZACH L NL 630A-930 JOHN NL 930A-530 CATRINA CG 10A-6
17 ZACH L NL 630A-930 JOHN NL 930A - 4P	18 ZACH D NL 8-4P	19 ZACH D NL 8-4P	20 JOHN NL8-4P	21 ZACH D NL 8A-4	22 ZACH D NL 8A-4 CATRINA CG 10A-6	23 ZACH L NL 630A-930 JOHN NL 930A-530 CATRINA CG 10A-6
24 ZACH L NL 630A-930 JOHN NL 930A - 4	25 ZACH D NL 8-4P	26 ZACH D NL 8-4P	27 JOHN NL8-4P	28 ZACH D NL 8A-4	29 ZACH D NL 8A-4 CATRINA CG 10A-6	30 ZACH L NL 630A-930 JOHN NL 930A-530 CATRINA CG 10A-6

ZACH L WILL BE AVAILABLE WEEKENDS, IN SEPTEMBER OFF 9TH & 10TH.

For Schedule Changes Contact: Addie 218-404-6081 Zach D: 218-206-1503
Zach L: 715-638-0232 John: 715-795-2985 (msg.) Sue Thurn: 715-558-3850 Catrina: 267-647-8141