

**Lake Wilderness
Citizen Advisory Committee
Regular Meeting
July 21, 2020
5:00 PM to 6:00 PM**

Zoom Video Call

Link: <https://maplevalleywa.zoom.us/j/93176929726>

Dial in option: 253 215 8782

Meeting ID: 931 7692 9726

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| 1. Call to Order | Chair |
| 2. Roll Call | Staff |
| 3. Approval of Agenda | Chair |
| 4. Approval of the draft June 16, 2020 Meeting Minutes | Chair |
| 5. Public Comment (three minutes per person) | Chair |
| 6. Reports | Staff |
| 7. Continued Business | Chair |
| a. Budget discussion | Staff |
| b. Update on Nature Vision | Staff |
| c. Update on Algae Testing | Staff |
| d. Update on Lake Wilderness Park Services | Staff |
| e. Update on IRONMAN | Staff |
| 8. New Business | Chair |
| a. Post Treatment Outcome | Chair/Staff |
| b. Recruitment of new members | Staff |
| 9. Public Comment | Chair |
| 10. Next Meeting date August 18, 2020 | Chair |
| 11. Adjourn | Chair |

**Lake Wilderness
Citizen Advisory Committee
Special Meeting
June 16, 2020
5:00 PM to 6:00 PM**

Zoom Video Call

Link: <https://maplevalleywa.zoom.us/j/93060553065>

Dial in option: 253 215 8782

Meeting ID: 930 6055 3065

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| 1. Call to Order | Chair |
| 2. Roll Call | Staff |

Ms. Shaw took roll call and noted we have a quorum. The following committee members were in attendance: Chair Dave Barber, Vice Chair Laurie MacKenzie , Voting Member Paul Wichelmann, Alternate No. 2 Pat Anderson, and City Representative Amy Shaw (voting member). Alternate No. 2 Charles Benedict was absent due to a previous commitment. King County Representative Sam Whitman (voting member) was absent.

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| 3. Approval of Agenda | Chair |
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A motion was made and seconded to approve the agenda with the following change: Correct the spelling of the word “September” on the PDF of Lake Wilderness for the Ironman event.

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| 4. Approval of the draft March 3, 2020 Meeting Minutes
Approval of the draft June 9, 2020 Meeting Minutes | Chair |
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A motion was made and seconded to approve the March 3, 2020 meeting minutes with the following change: Under item 8, New Business item E change the sentence to say that the secchi is monitored mid lake every day.

A motion was made and seconded to approve the June 9, 2020 meeting minutes with the following change: Under item 4, Reports item C change the last sentence of the second paragraph to read “...track the growth...”.

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| 5. Public Comment (three minutes per person) | Chair |
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Lisa Heinz had no public comments, but is interested in the lake as her and her family visit often. She is excited to see what the committee is like.

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| 6. Reports
Distribute Final 2019 Volunteer Lake Monitoring Report | Staff |
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No comments

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| 7. Continued Business | Chair |
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- a. Budget discussion Staff

Ms. Shaw provided the current budget and showed that only one invoice from Nature vision has been received so far. Ms. Shaw mentioned that the next two bills will be on the next cycle.

Mr. Anderson asked if there is budget for treatment in the fall if needed. Ms. Shaw answered that there is.

- b. Update on Nature Vision Staff

Ms. Shaw reviewed the submitted info from Nature Vision in the agenda and also the updated info in an email from Nature Vision. She commented that she is glad to see so many downloads and that it seems that Nature Vision's work for the packets is paying off. Vice Chair MacKenzie commented that she is excited that there is still the ability for students to learn more about lakes, water quality, and the environment at this time and that she is glad that Nature vision came up with this option.

- c. Update on Committee Rules and Procedures Staff

Ms. Shaw explained that there is no update, this item is included so that staff know this is still being discussed within the City. With COVID-19 impacting the city council's ability to discuss other items, this hasn't been brought to their attention. The City would still like to discuss having similar rules for all committees.

8. New Business Chair

- a. Scheduling 2020 meetings Staff

Chair Barber asked if the next meetings will be on zoom and stated that he prefers zoom. He mentioned he would like to have the zoom option for future meetings because it offers more ability for public attendance or comment. Vice Chair MacKenzie commented that she can go either way but enjoys seeing others at in person meetings. Mr. Anderson is ok with either option. Mr. Wichelmann agrees with Vice Chair MacKenzie.

Vice Chair MacKenzie mentioned that someone could post the dates to the Lake Wilderness Preservation Association (LWPA) to get more public involvement. Chair Barber mentioned he would reach out to his contact on the LWPA.

- b. Treatment Window Discussion Staff

Ms. Shaw commented that we would meet the summer treatment window.

Ms. Shaw commented that this item could be discussed here or in the Ironman bullet, but that she thought we should discuss the potential need for treatment prior to Ironman. Mr. Anderson suggested another survey

before Ironman. Chair Barber commented that plants should not be an issue for the ironman swim area. Mr. Anderson suggested Coon tail could be an issue. Mr. Wichelmann suggested 8/13 or 8/14 for another volunteer survey. Chair Barber suggested a meeting to discuss treatment options if the volunteer survey showed anything

Lisa Heinz asked what plants are invasive and asked where she could find some resources to reference and learn more about the plants. Chair Barber and Ms. Shaw directed her to the City website and the Aquatic Vegetation Management Plan.

c. Update on Lake Wilderness Park Services Staff

Mr. Benedict emailed Ms. Shaw prior to the meeting to comment that the restrooms were closed at Lake Wilderness recently. Ms. Shaw said that she would get an update on the use of the restrooms, but that her reference for the available parks services is the City website.

d. Brief update on IRONMAN and discuss concerns Staff

Ms. Shaw mentioned that Ms. Pistol was concerned about algae blooms during Ironman. Mr. Wichelmann commented that he could send a sample to Mr. Knutson with King County. Mr. Anderson mentioned that there were no blooms last year.

Ms. Shaw mentioned that Ms. Pistol did budget for the potential of a treatment for algae. Mr. Anderson commented that it is expensive and that it has a large treatment window.

9. Public Comment Chair

Lisa Heinz commented that we seem to be running these meetings well. Mr. Anderson and Chair Barber both commented that the committee is excited to have someone outside of the committee members attend the meeting.

10. Next Meeting date Chair

Ms. Shaw commented that the poll results for the next meeting dates show that everyone is available on 7/21, 8/18, and 10/20 at 5:00 pm.

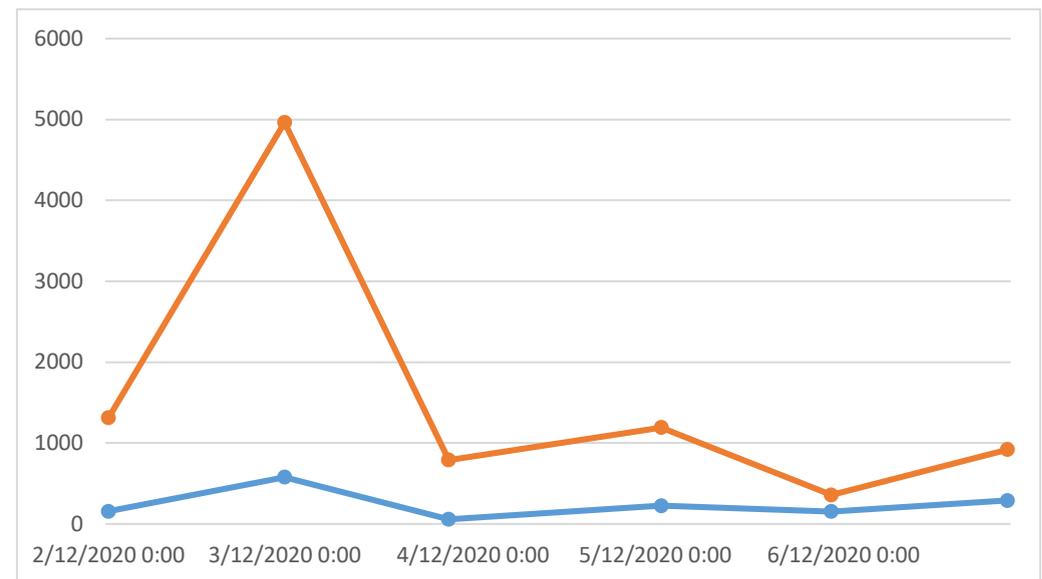
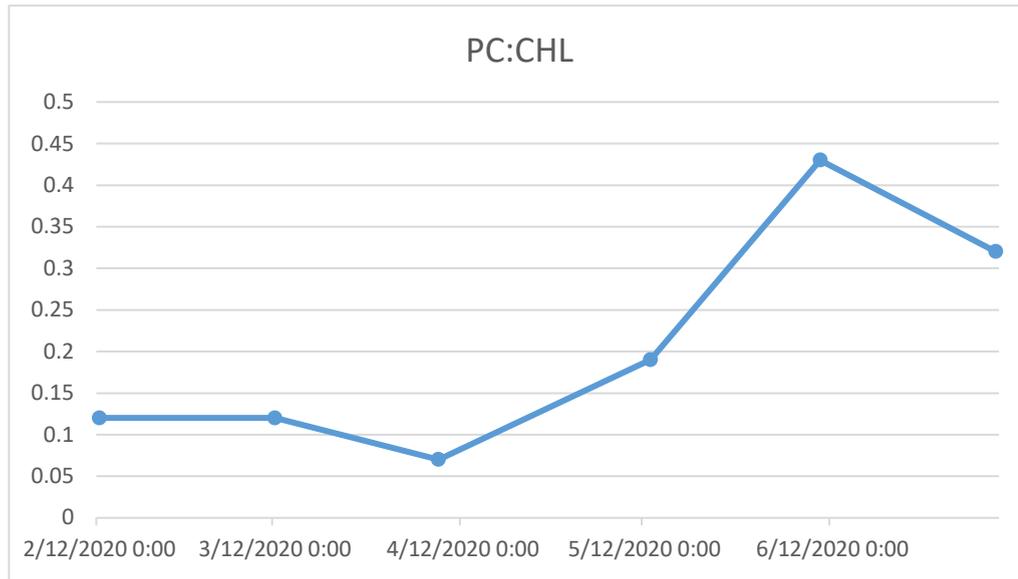
11. Adjourn Chair

The meeting was adjourned at 5:35 pm.

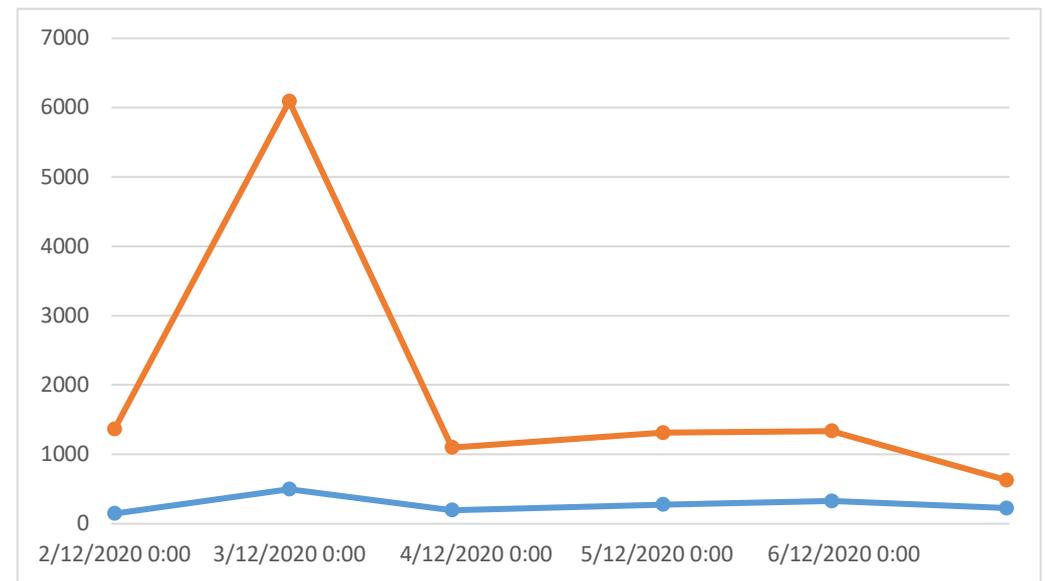
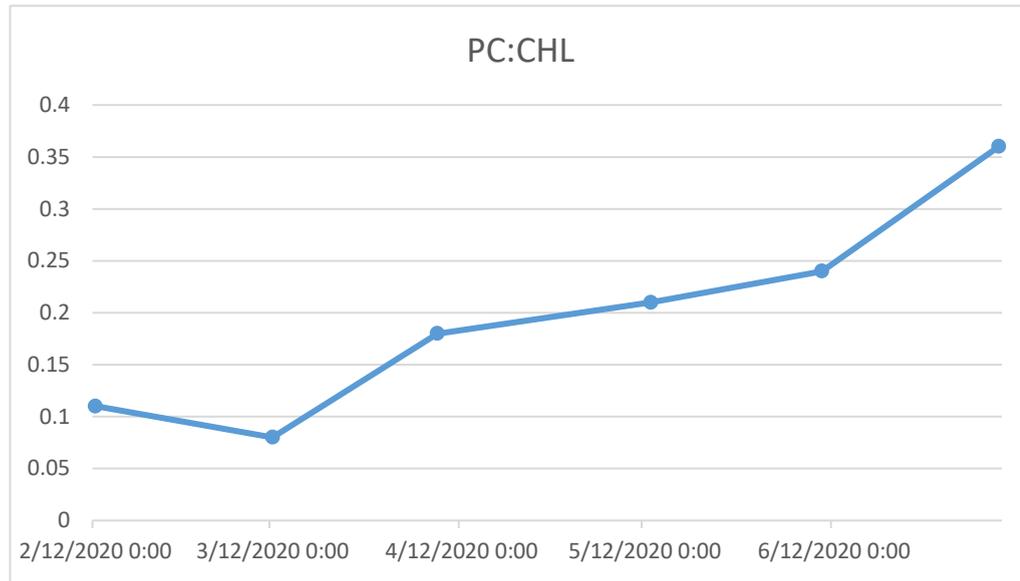
Date & Time	Serial Num	Sample Num	PC:CHL Ratio	PC RFU	CHL RFU	PC Filtrate	CHL Filtrate	Blank
2/12/2020 10:36	8700138	1	0.12	156.04	1312.79	NA	NA	
2/12/2020 10:44	8700138	2	0.11	146.04	1366.31	NA	NA	
2/12/2020 10:53	8700138	3	0.15	872.7	5775.66	NA	NA	
3/12/2020 8:07	8700138	4	0.12	576.94	4963.53	NA	NA	
3/12/2020 8:12	8700138	5	0.08	497.12	6090.48	NA	NA	
3/12/2020 8:19	8700138	6	0.09	479.91	5181.88	NA	NA	
4/8/2020 12:29	8700138	7	0.07	57.12	789.25	NA	NA	
4/8/2020 12:38	8700138	8	0.18	193.24	1098.84	NA	NA	
4/8/2020 12:44	8700138	9	0.18	172.34	969.02	NA	NA	
5/13/2020 10:08	8700138	10	0.19	225.86	1192.69	NA	NA	
5/13/2020 10:14	8700138	11	0.21	275.77	1311.95	NA	NA	
5/13/2020 10:20	8700138	12	0.12	172.34	1490.8	NA	NA	
6/10/2020 12:26	8700138	1	0.43	153.33	358.62	NA	NA	
6/10/2020 12:31	8700138	2	0.24	327.48	1337.36	NA	NA	
6/10/2020 12:37	8700138	3	0.21	197.75	927.84	NA	NA	
7/9/2020 10:19	8700138	4	0.32	290.27	919.06	NA	NA	
7/9/2020 10:24	8700138	5	0.36	224.05	628.8	NA	NA	
7/9/2020 10:31	8700138	6	0.27	447.21	1637.23	NA	NA	

Phycocyanin (PC) is found in algae with cyanobacteria whereas chlorophyll (CHL) is found in other types of algae. The increased presence of PC alone does not mean the formation of harmful algal blooms (HAB), but as PC increases and CHL decreases, the likelihood of a bloom increases. The ratio of PC to CHL is staying below 0.5 so far in our monitoring of Lake Wilderness. A Phycocyanin to Chlorophyll ratio of 1 indicates the formation of HAB.

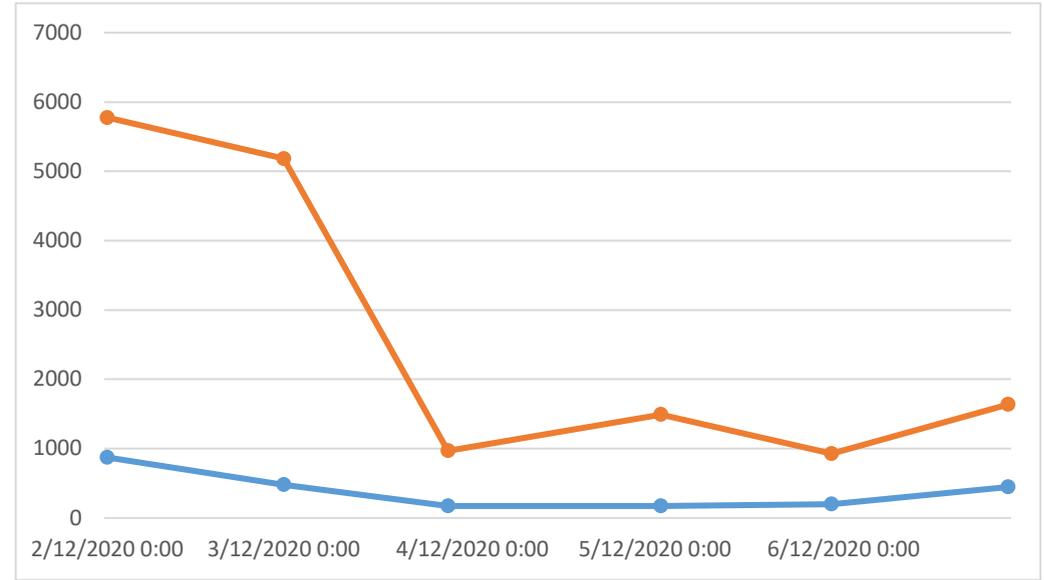
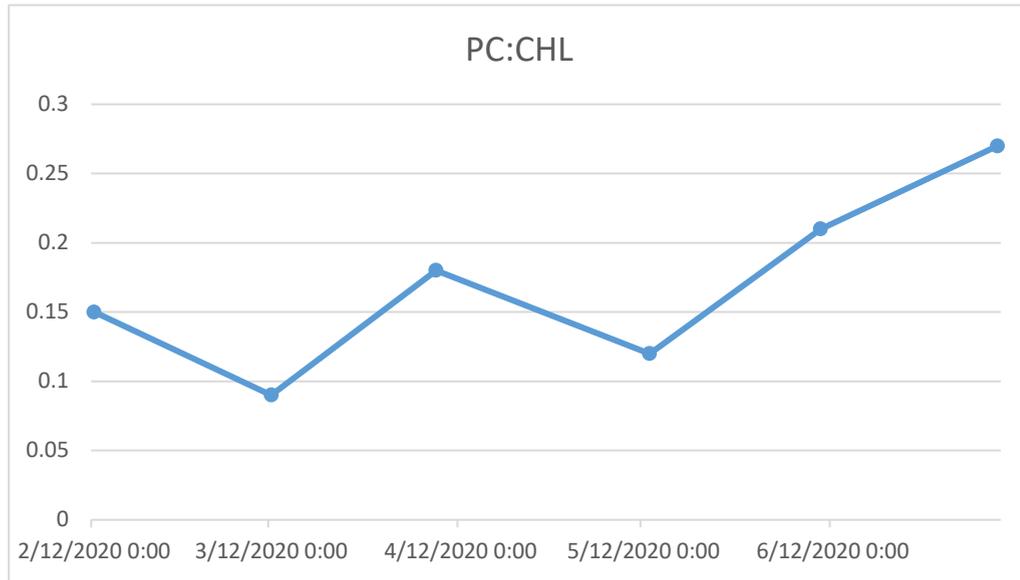
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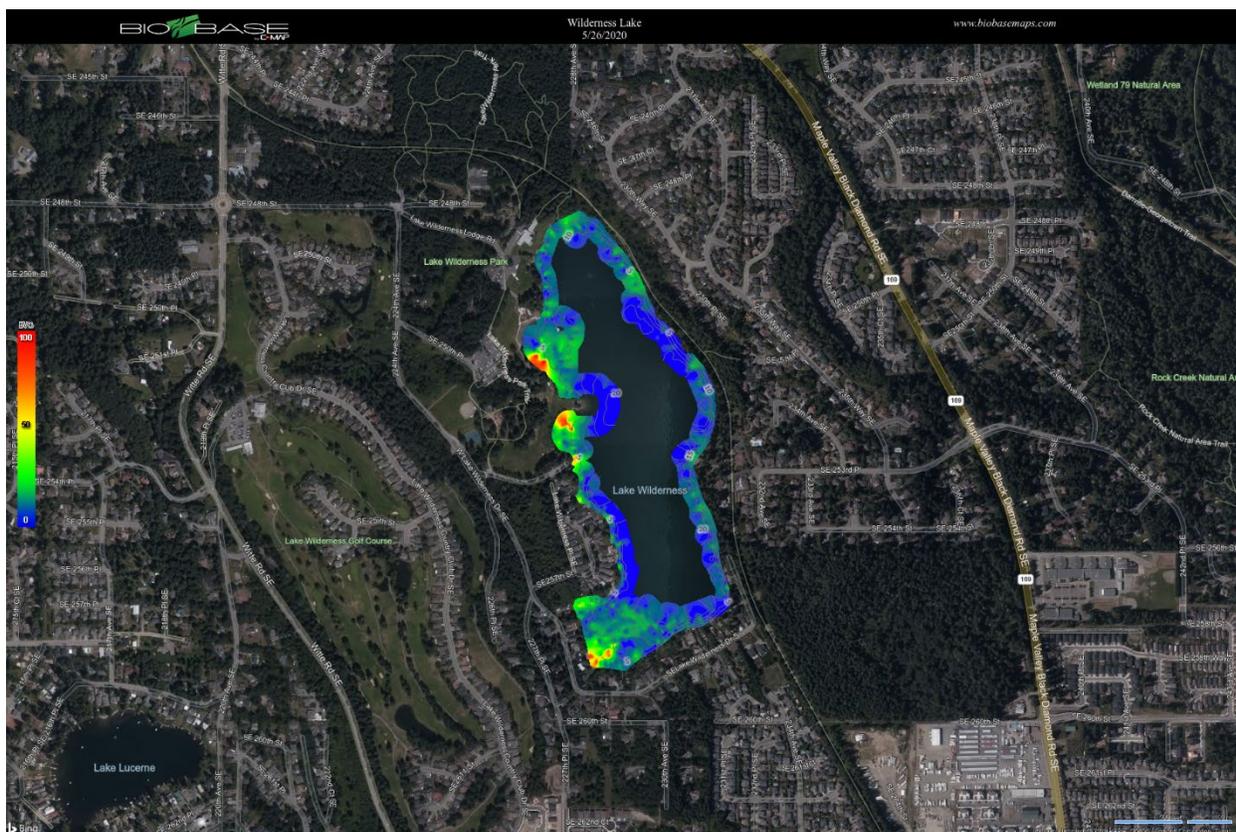
Lake Wilderness Spring Survey 2020

Introduction

Aquatechnex is contracted to support the City of Maple Valley and the Lake Wilderness Community manage invasive and nuisance aquatic vegetation in the lake. This work consists of surveys to map aquatic plant communities present with a focus on invasive species and treatments as directed to deal with problem growth.

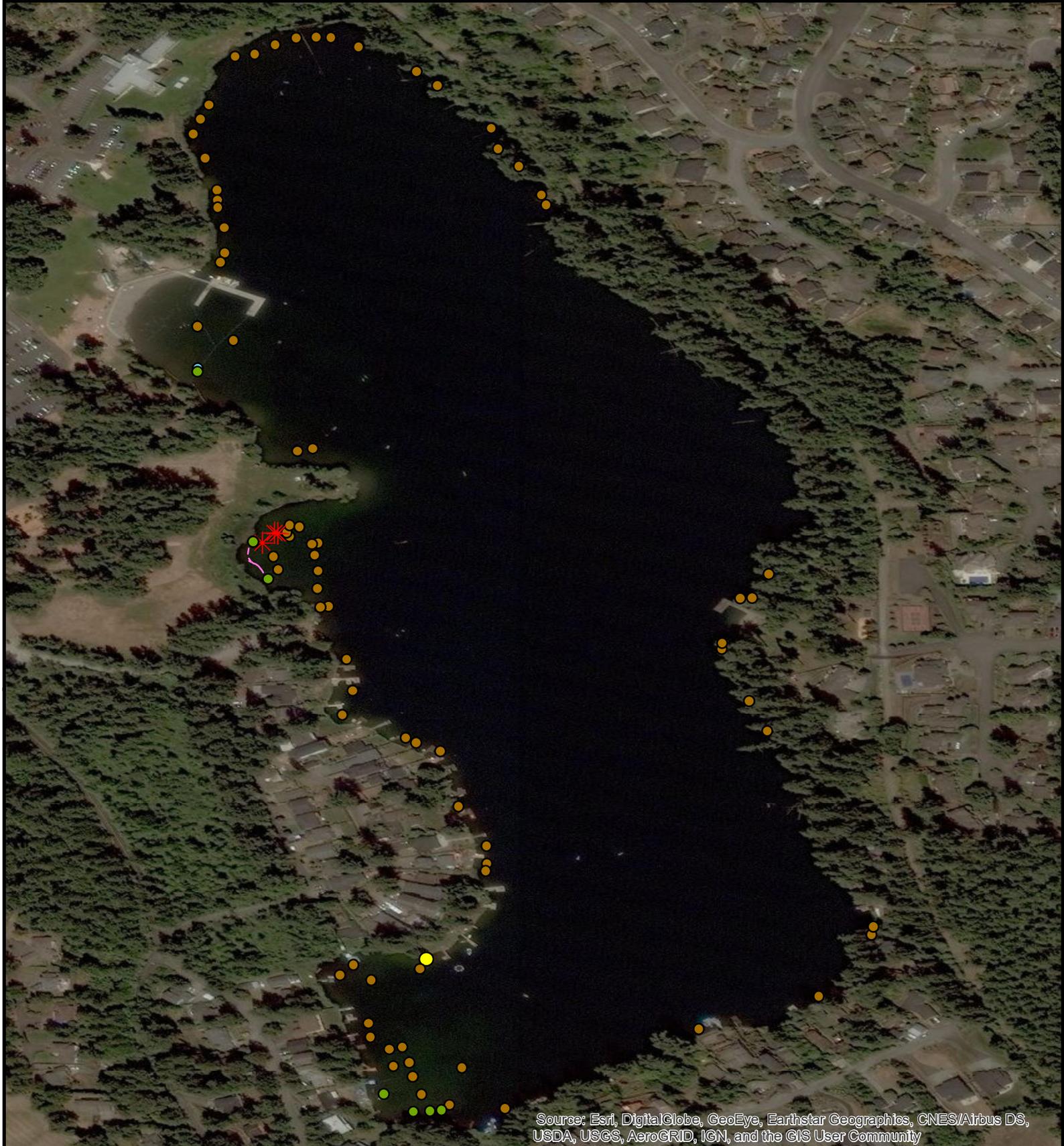
Survey

Aquatechnex biologists mobilized to the lake in late May and performed a hydroacoustic mapping survey to locate aquatic vegetation present in the lake and to identify species present within those communities. Special attention is given to reviewing the littoral areas of the lake for Eurasian Milfoil and other invasive aquatic weeds.



This HEAT map was produced by our mapping software from the hydroacoustic survey of the lake. Areas indicated in blue are free of submerged aquatic plant growth. The Color Ramp on the left of the image represents the percent of the water column occupied with submerged aquatic vegetation or SAV. Blue indicates zero percent of the water column has SAV present and Red represents the other end of the scale where 100 percent of the water column has SAV present.

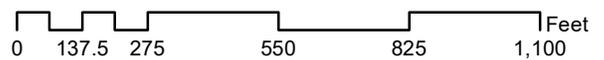
The team then used a Trimble submeter data logger to record species present. The species detected are shown on the following page.



Lake Wilderness Survey May 2020

Legend:

- Elodea canadensis
- Rush
- ✱ EWM_Poin
- Thinleaf Pondweed
- Largeleaf Pondweed
- Watershield



Recommendations

SAV growth is present within the city beach at a level that will continue to expand and pose a threat to swimmers. It can also pose an issue for lifeguards attempting to locate persons that have submerged. This should be targeted for treatment.

The CAG group met with us during this survey and had the opinion that the SAV growth on the developed shoreline south of the boat ramp and in the Bay on the southwest of the lake were impacted to the point of interfering with beneficial uses and suggested treatment.

The remaining shoreline areas have SAV present as mapped, but there is no impact present on beneficial uses hence no need to target and treat that growth.

If directed, Aquatechnex will provide the required 10 day notification to residents within and for the prescribed distance along the shoreline that the treatment occur and can schedule this treatment prior to the potential opening of the beach on June 29th.