

Lake Quality Advisory Committee Meeting Minutes

June 9, 2021

OTCC Saloon and via Zoom

Janet called the meeting to order at 8:03 a.m.

A. Attendance

Committee Members – Kimberly Clow, Linda Flores, Rick Flores, Janet Fulks, John Glaze, Fred Hicks, and Alisha Loken, Scott Ostrem, and Vicky Rausch

Staff - Debbie Papac, Recreation Manager and Butch Reyburn, BVSA Board Member

Guests – Brandon Haynes (IGM) and Joe Horswell, Asst. Recreation Manager

B. Approval of Agenda – A motion to approve the agenda was made by Kimberly, seconded by Fred, and approved by the committee.

C. Approval of Minutes – The minutes of the May meeting had previously been approved via email and sent to Anita (BVSA.)

D. New Items

1. Janet reviewed the sequence of events leading up to the Phoslock application in May. We collected a lot of water data (pre, during, and post); when/if the waterboard requests it – it is ready to go. The application process took approximately one week. Although there were a few issues, overall, it was considered a success. Test data is just beginning to come in but, so far, it appears that the aqueous phosphate (orthophosphate) was bound, even faster than expected. There has also been a significant increase in the water visibility (nearly double) in all the lakes, however Cub lake is looking cloudier and appears to have some issues. The lakes have been “reset,” with regard to phosphate, and the idea now is to bind the phosphate **before** it enters the lakes thru runoff.

The waterboard suggested we sample for lanthanum if it was feasible, approximately 90 samples were taken for lanthanum. However, testing was deemed unfeasible, due to its expense (\$95/sample.) Fred is holding on to the samples (which are good for six months) if we *are* required to submit them. Janet, Fred, Butch, and Wes had a *post* application meeting with SOLitude and were able to convey what we were and weren't happy about, as far as the entire process. Primary negative issues concerned logistics while the application itself, was very positive.

2. Rick reported that there has not been a lot of change (with the lilies) since the planting process. About 40 tubers came loose (from their baskets,) and those were replanted in the 7th Hole Pond, as well as Cub Lake. The lilies in the 7th Hole Pond are beginning to grow and flower, both old and new ones. The artificial floating islands (AFIs) have not fared as well. Six of the ten plants were removed from the two AFIs and are attempting to be nursed back to health at his home (in shadier conditions). We will eventually need to make plans to split and replant the lilies again, probably in October and will need volunteers (and wetsuits).

Butch reported that “sectional planting” was an idea suggested by Anthony (SOLitude) at their post-info. meeting. Fred said you could achieve that by *manually* sectional planting, or actually put in a *fixed* barrier sectional. It was suggested that the Jamaica Dunes inlet or Fawn Way might be good test areas for something like that.

Kimberly reported that the water irises in 4-Island (near Shoreline Dr.) are doing great but need to be divided. Joe offered to donate some of his purple irises to the committee.*note these were donated and planted.

3. Brandon updated the committee on recent activities. IGM has been using effluent to irrigate the golf course since June 1st, approximately 52K – 58K gallons a night. The irrigation system has been reworked to only use effluent on those holes which do **not** abut 4-Island Lake. The others continue to be irrigated with non-potable lake water. Due to the dryness/upcoming drought, a lot more water is being used during the summer months over 200,000 gallons a night. The non-potable wells have been turned off to replenish the aquifer.

Fred reported that the water level in Jack’s Hole is down 4-6”. The BVSA purchased a new pump, and they have begun pumping water from Jack’s Hole to 4-Island, but only for about eight hours a day. Once the pump is installed into the pump house, and a wet well is installed, plans are to begin running it 24/7. Approximately three feet of shoreline water has been pumped out so far.

The pump is plumbed to both Cub Lake and Jack’s Hole. A 3” pipe leading to Cub Lake that was laid a few years ago, will now be trenched and buried, as well as air gapped, to bring it into CA compliance.

Around the beginning of July, Jack’s Hole will be drained, and the water moved to 4-Island. Any (desirable) fish will be harvested and moved to either Cub Lake or 4-Island. Kimberly commented on how well Jack’s Hole is looking. Brandon said that once it is dredged, cleaned up, and made accessible to the RC people, etc...it will look more like a *true amenity*.

Cub Lake is down about one foot, since the end of April, including irrigation and intake from Jack’s Hole. The amount of water that is actually coming in is being monitored. Brandon advised that he was directed (by Wes) to maintain a water level one foot below full fill. Cub Lake is consistently losing approximately 3” of water a week, due to the warm weather, evaporation, and irrigation. Brandon said there *may* be some seeping, but he does not think that there is a leak in Cub Lake. He said that the observed water *could* be from a fire hydrant leak.

Fred reported that we will begin accurately tracking the amount of water that we’re billed from the CSD and compare it to the amount of water that we’re actually using. A year of data is needed to accurately gauge it. A depth gauge will be installed within the next couple of weeks.

Plans to irrigate the driving range and/or ball fields with effluent are on hold for now. Due to the granite in those areas, and the required blasting, it could be an expensive project. The possibility of using a *variable speed controller* has also been discussed, which would allow effluent pumping on an ‘as needed’ basis (as opposed to the pumping which is currently being done for a certain time period.) It would need to be done in conjunction with the CSD.

Kimberly asked about the leak from the Jamaica Dunes drainage pipe into 4-Island. It has been reported (multiple times) with no response. However, without authorization from the CSD, the LQAC cannot repair it. Butch will pursue the matter with the CSD.

4. It was agreed that we will abandon plans to use flags at 4-Island, as a method of informing the residents whether or not the water is safe to swim in. Instead, we will continue to abide by state protocols (for harmful algae blooms, etc.) LQAC will determine the threshold for unsafe conditions, to inform the BVSA if/when the lake needs to be closed.

Pros and cons were discussed of using a website ‘dashboard’ to convey the results of water quality to the residents. Many committee members felt that there was too much information on the samples provided, and that it should be simplified. It was also agreed that the webpage should be easy to find, possibly using a QR Code. Janet and Alisha will work together to create a more user-friendly version, to go on the BVSA website.

A review of the effluent data from last year, as logged at the buoys, show direct rises in phosphate at the buoys associated with golf course effluent use. Comparison with the changes in watering and phoslock application between last year and now are remarkable. Janet also shared the hydrosonde pre, during, and post data from the phoslock application and asked committee members to review it. BC lab data will be reported as it comes in.

5. Our July 14th committee meeting will be cancelled, due to our activity with the LQAC booth at Cub Lake, over the 4th of July weekend. Setup will probably take place on Friday. Details will be finalized the week before.

F. Follow-Up Items

1. It is unsure whether there will be a July Bear Tracks, due to the death of one of the publishers. Fred has also written articles about the 4th of July Catfish Derby, as well as a brief fishing report.
2. Janet and Alisha will develop a simplified water quality ‘dashboard.’
3. Rick will pick up irises from Joe and give to Kimberly for planting in 4-Island.

Adjournment The meeting was adjourned at 9:40 a.m.

Our next meeting will be held on Wednesday, **August 11th** at 8:00 a.m. in the Oaktree Saloon and on zoom. As the committee will be staffing a 4th of July booth, we will not meet in July.

Minutes submitted by: Linda Flores

Minutes approved by: Janet Fulks