

Lake Dam Committee Meeting Minutes
1 Sept 2022

Call to Order

Roll Call Committee Members: (P)=Present; (A)=Absent; (E)=Excused

Lou Jackson (P)	Deanne Landsverk (P)
Dennis Muretta (P)	Duane Landsverk (P)
Tim Reber (P)	Teddy Lovgren (P)
John McRoberts (P)	Dave Kohler (P)
Maureen Glenn (P)	Karen Kohler (P)
Steve Glenn (P)	Mandy Paradise (P)
Joel Gray (P)	Pat Paradise (P)
Dorothy Powter (P)	Brian Smith (P)
Jared Foss (P)	Linda Smith (P)

Guests: John Ingemi 3-244, Dan Bussler 5-92, Steve Saylor 2-146, Gary Wilson 3-63, Kim Graver 2-270, Wallace Montz 1-36, Roger Milligan 3-44, Anita Florence 3-95, Hannah and Eric Landsverk 3-97.

Chairperson's Opening Comments: Teddy Lovgren

Called meeting to order at 7:02 PM and advised future meetings would be in person in the lounge. Discussion between committee members resulted in Deanne making a motion to retain Zoom meetings until such time as the BOD develops a hybrid meeting capability. Jarred seconded the motion. Vote resulted in 9 Yea, 5 Nay and one abstention. Meetings will continue via Zoom.

Teddy concluded his opening comments by advising that Mike Berni had been elected to the LLCC BOD during the BOD's special session on 1 Sept.

Meeting Minutes approval

Dorothy moved to approve the 6 August LD Meeting Minutes (attached as 1.0 LD Meeting Minutes dated 20220806 (DRAFT)); Dennis seconded. Motion passed unanimously.

Correspondence:

Correspondence from 3 members was received this month. Discussion re: the member concerns was moved to New Business.

Status of May Motions to the Board

Teddy advised that the four motions to the BOD in August resulted in the new Lake Patrol Captain being approved and the lists of capital budget items, expense items and Pat Paradise to be the Inn Island Restoration Program Manager were not approved.

CAM Report: Roger

Roger statused his written report (attached as 2. LD CAM Report Sept 1, 2022) prior to the meeting. Additional comments included:

Lake Dam Committee Meeting Minutes
1 Sept 2022

Acquisition of new equipment to measure the temperature in support of Squaxin Tribe area of interest.

Ken Martig (LLCC Dam Engineer Consultant) to do an in/out flow analysis of Lake Limerick and assess pumping systems should our current butterfly valve become inoperable, and an emergency lake level drawdown be required. Tim requested in/out flow analysis also be conducted for Lake Leprechaun.

BOD approved the budget on 20 Aug to be voted on by members 16 Sept. LD's budget is proposed at \$128K to include continued Lake health and treatment assessments by Lake Advocates; continued fish plants, State permits, park expenses, Inn Island shoreline repair, insurance, additional testing of water entering Lake Limerick from Cranberry Lake, repairs and reroofing of park bathrooms.

Parks Report: Maureen/Steve

Maureen and Steve reviewed their parks report (attached as 3. Park Maint. Rpt August 2022). Highlights included: parks look great; swing set chips need to be redistributed; picnic table at Banbury need repair and leveling; confirmed field security cameras are in place; donated picnic table at Leprechaun Park needs to be secured; spikes sticking out from play area boundary timbers had been addressed, Olde Lyme Park signage is being reworked due to a typo "Old" vs "Olde"; no drug paraphernalia.

Duanne and Deanne brought up the need for Maintenance to remove LLCC Park grass growing into the lakes. Roger took the action to have Maintenance / Greens employees remove grasses along the lakes' edge as a wintertime work order.

Joel made mention that LD may want to have other members of the community visit the parks on a regular basis and help with minor clean up and report issues to LD or the office. After some discussion, it was agreed LD would add an "Adopt-a-Park" item to a future LD Agenda.

Docks/Floats Permits: Teddy

- Received permit application for a Boat Lift; Jeff Nord (3-42) approval recommended.

Boat Registrations: Gary

- Request to approve a waiver to boat length was received by Jarred from a member. After reviewing the request and boat specifications, the request was denied. Jarred and Dave agreed to review the direct drive element of LLCC Boat Regulations re: exemption.
- Gary (new Lake Patrol Captain) reported success in reaching out to members boating on the lake and everyone has been helpful and accommodating. He is unable to actively patrol the lake currently due to LLCC's lake patrol boat's engine needs repair. Roger agreed this will be done as part of the annual winterization of the boat.

OLD BUSINESS:

Budget: Teddy

LD's proposed budget to the BOD was not approved in its entirety. As mentioned above, LD's 2022/2023 budget will be \$128K if approved by the membership in September.

Lake Dam Committee Meeting Minutes
1 Sept 2022

Lake Leprechaun Clean Out Project: Steve/Maureen/Tim

Latest report has been received from Lake Advocates regarding the coring samples taken in October 2021. The results were not 100% conclusive as to path forward. They recommend a couple of new samples be taken to get a better picture of the lake's sediment issues and corrective path forward. After a lot of discussion, Lake Advocates will be asked that their future reporting be more concise in their recommendations and less technical so LD and the BOD can better understand the overall health of the Lake and ways to address areas of concern.

Park Host Status: Dave

Park Hosts on site at Banbury, Log Toy and Anglia.

Dock/Floats Compliance: Teddy

No update.

Lakes Weed Treatments – Dennis

Lakes survey will be conducted in September along with the additional coring at select locations in Lake Leprechaun. Dennis will contact Lake Advocates to confirm the date and request their future reporting be more concise and easier for a layperson to understand.

Long term health and welfare: Brian

No update.

Long Term Vision for Parks / Restrooms: Dennis

Dennis will reconvene the Parks subteam to develop a path forward in establishing a template for our parks and bathrooms above and beyond those already identified and included in next year's proposed budget.

NEW BUSINESS

Correspondence:

Anita Florence wrote to LD re: the policies and procedures in place re: e-foils now on the lake. She is concerned for member safety for not only swimmers, but the operators themselves. After a lot of discussion, it was agreed that violations to existing rules need to be formally documented and repeat offenders will be penalized. Dennis also agreed to reconvene the Lake Rules sub-team to better address this new technology in water recreation on our lakes. Anita was thanked for her input and attendance at the meeting.

Wally Montz wrote to LD re: Lake Limerick's water ski course. The LD Committee had responded to his questions and concerns (see attached Gmail-FW_LLCC Water Ski Course). Wally was in attendance to the meeting and conveyed his appreciation to Teddy for his response.

Kim Graver reached out to LD regarding her concerns about unauthorized activity at the WDFW park on Lake Limerick. She has been working with the State to address the issue and was looking for additional support from LLCC and LD. LD appreciates her predicament but is limited in how to address issues on non-LLCC property. Kim is forming a team of community volunteers to close the park at night and reopen in the morning with the approval from WDFW.

Project Manager for new PARS: Teddy

New Project Manager position will be LLCC-wide and not dedicated specifically to LD.

Lake Dam Committee Meeting Minutes
1 Sept 2022

Focals for the New PARs

Pat agreed to review the historical contractor proposals re: Inn Island Repair and advise LD re: options and how to proceed.

Other Topics –

Brian recommended LLCC establish a succession plan for our Dam Engineer, as the current Engineer is semi-retired and we need to have a smooth transition to a new engineer once Ken no longer continues to work. Duane took an action to check with his professional connections at Tacoma Power for a possible recommendation.

Guest Input

None other than the correspondence stated above.

Review of Commitments & Action Items:

Action items were reviewed and new action items from today's meeting will be added to the spreadsheet by Teddy and attached to these meeting minutes.

Review of Motions to the Board: See Below

Motion to Adjourn:

Meeting was adjourned at 10:15PM

Next Meeting – Saturday, 1 October 9:30AM via Zoom

Motions to the Board

Motion: LD Committee requests LLCC Board of Directors approach WDFW for them to be better custodians of their public fishing boat launch property in order to reduce inappropriate/nuisance activity.

Rationale:

- Property being used for more than lake access by public boaters (drugs, late night activity, excessive noise, car burnouts, etc.)
- Safety to LLCC members and their property
- Unauthorized access to LLCC property and dam

Lake/Dam Committee Meeting Minutes

Saturday, August 6, 2022

9:30 – 11:30 via Zoom

Call to Order—9:30 AM

Roll Call Committee Members:

Lou Jackson	Duane Landsverk (E)
Dennis Muretta	Teddy Lovgren (E)
Tim Reber	Dave Kohler
John McRoberts	Karen Kohler
Maureen Glenn	Mandy Paradise (A)
Steve Glenn	Pat Paradise (A)
Joel Gray (E)	Brian Smith
Dorothy Powter	Linda Smith
Jarred Foss	Jack Betterley (LOA)
Deanne Landsverk (E)	Kelly Evans (LOA)

[E=Excused A=Absent LOA=Leave of Absence]

Guests: Board of Directors (BOD) members John Ingemi (President), Tamra Ingwaldson (Vice President), Stevan Saylor; Gary and Lisa Wilson; Leanne Milligan; Dean Dyson

Chairpersons Opening Comments: Dennis Muretta

Dennis pointed out that there were a number of issues to go through on today’s agenda even though the Committee is a bit shorthanded due to expected and unexpected absences.

Approval of June 30, 2022 minutes: Linda Smith attendance status changed to present.

Jarrod moved to approve the minutes as amended, Dorothy seconded; motion passed with no nays, with Dave and Karen abstaining.

Correspondence: Kim Graver/ Jesse Reeves DFW regarding PUBLIC BOAT LAUNCH ISSUES

Dennis reported on letters from Kim Graver and Jesse Reeves of the WDFW concerning nuisance activity at the public fishing access boat launch on St. Andrews Drive. To be discussed under New Business Item 2.

Status—Motions to Board: None

A. CAM REPORT/ PARKS/DOCKS/ BOAT REGISTRATION:

1. **CAM Report:** Roger
Roger submitted a written report (attached). John Ingemi reported that the Anglia Park Host wanted “no parking on the boat ramp” signs. Tim reported not seeing a status on

Lake Leprechaun core sample results. Dennis reported that a videoconference will be set up with Lake Advocates to discuss this and other issues.

2. **Park Report:** Maureen/Steve
Report sent to Committee and Roger. Maureen highlighted issue of spikes which secure play area boundary logs at Logtoy that are sticking up and could constitute a hazard.
3. **Docks/Floats Permits:** Teddy—New Dock Lisa Brown (03-75) approval recommended
4. **Boat registrations:** Jared/Gary
No new applications were received, although Committee members have observed boats lacking proper LLCC registration.

B. OLD BUSINESS

1. Budget –

Dennis summarized the Draft Budget materials submitted to the BOD, as updated June 4th and what the BOD is still deliberating. John Ingemi explained the BOD budget process with specific regard to the Lake Dam submitted items. Dennis stated that we did a response from Lake Advocates. That is a meeting with lake Advocates being scheduled for the near future.

Brian reviewed the draft list of projects the board agreed to last Thursday that fell above the \$200,000 cutoff point on the prioritized list of potential projects for inclusion in the 2022-2023 budget. This was after 4 projects were removed for implementation this year, which included the Lake Dam proposed Inn Island NE corner Rebuild and Inn Island Bridge Upgrade/Rebuild project feasibility studies. The other Lake Dam projects still in the discussion table of projects for the 2022-2023 budget are: Upgrade Banbury Park restroom for full year usage; Cranberry Creek soft sediment assessment including stream walk; and Cranberry/Kings Cove bathymetric surveys measuring dredge depth. The proposal for 12 powder coated metal picnic tables for the parks fell below the cutoff line. All the above subject to change during budget deliberations.

Stevan Saylor shared that he and other BOD members had considered the 5- and 10-year priority actions recommended by Lake Advocates. Dave urged remembering projects already in play.

MOTION: Dave Kohler moved approving and sending to the Board the list of projects contained in Table 4.1 (as provided in today's packet and attached), minus the item for a Weed Harvester, as the Lake Dam Committee's project request for the 2022-2023 budget. Seconded by Jarred Foss and passed with no nays.

MOTION: Dave Kohler moved approving and sending to the Board the list of projects contained in Table 4.3 (as provided in today's packet and attached) and sending this to the BOD as Lakes- Dams-Parks multi-year expense budget projection for consideration

in the 2022-2023 budget. Seconded by Tim Reber and passed with no nays.

2. **Lake Leprechaun Clean Out Project:** Steve/Maureen/Tim – pending LA Report/Recommendations
3. **Park Hosts:** Log Toy Hosts John and Susan Hollingsworth expected early Aug
Banbury Hosts – Terry and Tanya Hicks
Dave Kohler has reached out to the Hicks to start the vetting process. Ball is in their court.
4. **Docks/Floats Compliance:** Teddy
An application for 1 new dock has been received and approval recommended. Several new boat lifts have been proposed, and several observed as installed for which applications apparently have not been received.
5. **Weed Treatment:** Dennis – 2 treatments to date, 2 more planned.
Guest Leanne Milligan asked if the lily pads that are proliferating in the Bird Sanctuary around the island and encroaching on some beaches have been targeted for treatment. Tim reported that members are carefully removing and disposing of lily seed pods at Lake Leprechaun, and suggested doing the same in the Bird Sanctuary. This is another item to discuss with Lake Advocates.
6. **Long Term Health and Welfare:** Brian/Subteam
Brian has gathered some information on how other lakes have approached planning for long term lake health and welfare, and received the data from LLCC lake monitoring to date. He will be sending that out to the Subteam next and scheduling a planning meeting shortly thereafter.
7. **Long Term Vision for Parks/Restrooms:** Dennis/Subteam
Dennis reported the subteam held a Zoom meeting that identified 3 priority projects: 1) cypher locks on all bathroom doors; 2) restrooms re-roofed; 3) taking one restroom, improving it to make it more user friendly and useful year-round , as a prototype for future improvements.

C. NEW BUSINESS

1. **Lake Patrol Captain** – Approval of Candidate Gary Wilson
Gary Wilson reported on his activities to date and his approach to the job.
MOTION: Dave moved to approve Gary Wilson as Lake Patrol Captain; Lou seconded and the motion passed with no nays.
2. **Safety at Parks/DFW Public Launch**
Dennis described the issues concerning nuisance activities at the public boat launch reported by Kim Graver (who lives next door to the public launch). The suggestion that LLCC find volunteers or staff to lock up the access at night, and open it timely in the morning was discussed. Discussion points included the question of what liability LLCC might be assuming if the volunteer scheme was put into play and either the area was not locked as planned, or opened late? Why we have the public access point on Lake Limerick to begin with? Is the benefit of a 7500 fish plant annually by WDFW worth having public access? What responsibility does WDFW have to be a good neighbor, particularly since WDFW enforcement officers are statutorily given authority to remove persons from state public lands if they are impeding use of the launch or doing other

bad behaviors? What role should we expect MCSO to play in curtailing bad behavior? Do we have volunteers to implement the opening/closing scheme? What is the BOD planning to increase overall LLCC security?

In the end, the Lake Dame Committee did not recommend volunteering to lock and unlock the public access.

3. **Project Manager for New PARs** -- BOD Approved Job Description

This position has been moved to Administration in the draft 2022-2023 budget under development. John Ingemi pointed out that the job description still states a priority for lakes/parks projects.

4. **Focals for New Pars**

- i. Special Projects Manager Pending BOD Funding Authorization
- ii. CC Retention Ponds On Hold – pending Project Mgr
- iii. Bird Sanctuary Dredging On Hold – pending Project Mgr
- iv. Weed Harvester On Hold – pending Project Mgr
- v. Cranberry/Kings Cove Dredging On Hold – pending Project Mgr
- vi. Inn Island Bridge/Culvert On Hold – pending Project Mgr
- vii. Inn Island NE Section Repair On Hold – pending Project Mgr

This project has been moved to begin in 2022. After discussion concerning Committee, BOD and project management roles, the Lake Dam Committee decided it should have at least a liaison from the Committee to the project leadership. Pat's name was suggested by both committee members and BOD President John Ingemi.

MOTION: Brian moved that Pat serve as the Lake Dam Committee liaison for the Inn Island NE Section Repair project. Seconded by Lou and the motion passed with no nays.

- viii. Leprechaun Dredging Tim, Steve Maureen

5. **Future Meetings-** In Person/Hybrid Teddy

MOTION: Lou moved that future meetings held as regularly scheduled on the first Saturday of the month be conducted in-person starting in October 2022. Jarred seconded, and the motion carried with no nays

6. **Establish Records/Work Network Drive** Under study by BOD/Mitch

John Ingemi will be working on this personally and will be meeting with Hood Canal.

7. **Cranberry Lake SWDS** -- Pat

No report due to Pat's absence.

8. **Other Topics**

Dean Dyson mentioned that some members have expressed a desire for a dog park, and he suggested that there are several parcels owned by LLCC that are unsellable/unbuildable or used for drainage that might be suitable.

D. GUEST INPUT

E. REVIEW OF COMMITMENTS & ACTION ITEMS

Not reviewed

F. REVIEW OF MOTIONS TO BOARD

- 1. MOTION: Dave Kohler moved approving and sending to the Board the list of projects contained in Table 4.1 (as provided in today's packet and attached), minus the item for a

Weed Harvester, as the Lake Dam Committee's project request for the 2022-2023 budget. Seconded by Jarred Foss and passed with no nays.

2. MOTION: Dave Kohler moved approving and sending to the Board the list of projects contained in Table 4.3 (as provided in today's packet and attached) and sending this to the BOD as Lakes- Dams-Parks multi-year expense budget projection for consideration in the 2022-2023 budget. Seconded by Tim Reber and passed with no nays.
3. MOTION: Dave moved to approve Gary Wilson as Lake Patrol Captain; Lou seconded and the motion passed with no nays.
4. MOTION: Brian moved that Pat serve as the Lake Dam Committee liaison for the Inn Island NE Section Repair project. Seconded by Lou and the motion passed with no nays.

G. Motion to move to Closed Session for Personnel --None

H. Motion to Reconvene in Open Session -- None

I. Motion to Adjourn

MOTION: Motion to adjourn made by Maureen, seconded by Lou, and passed with one Nay

Next Meeting—Thursday Sept 1st at 7PM

Look Ahead:

Aug 20—Board of Directors Meeting

Sept 1 – Lake Dam Committee Meeting Thursday @ 7PM

Sept 3—End of Summer Bash

Sept 17 – Board of Directors Meeting

Oct 1 – Lake Dam Committee Meeting

Oct 15 Board of Directors Meeting

Respectfully Submitted

Brian J. Smith, Committee member

LD CAM Report

August 6, 2022

Parks

- All new park signs are installed
 - o Waiting for onsite WDFW guidance where to install public signage on their property
- Maintained including bathrooms
 - o Hornet nest exterminated near Log Toy playground
- John & Susan Hollingsworth start as Log Toy park hosts August 12
- Terry & Tonja Hicks are pending as Banbury park hosts – see attached application and signed duties
 - o **Requesting LD support approving Hicks**
 - Teddy requested to additionally interview
 - Executives have pre-approved
 - o Both Log Toy and Banbury confirmed with available power and water

Water testing plan

- Supplies received from EIH Labs; both lakes water samples shipped and awaiting results
 - o Included 2 new sampling locations
 - Outflow of Cranberry Lake
 - Outflow of Leprechaun Creek
- Waiting for final shipment of test probe cable to measure temperature, dissolved oxygen and ph 18 inches above lake bottoms (per Lake Advocates recommendations)

Data level loggers

- Reports available from January to present

Dams O&M inspections

- O&M 3 dams' inspection checklist (9 pages) completed July 21
- Mowing minimum once per month

Leprechaun

- Preparing to replace debris diverter in August

Limerick butterfly valve

- Ken Martig is contacting DSO challenging the decision to maintain the valve:
 - o Receiving pool not adequate to reduce downstream flooding
 - o Flooding will impact Navy trestle and Mason Lake Road

Budget planning 2022-23

- BOD moved PM position to Admin with responsibilities for planning, designing, implementation and preventive maintenance of projects for the Association, with an emphasis on lakes, dams and parks and their associated structures and equipment

Table 4.1

Capital Projects & Equipment List						
2022-23 Budget						
Lake-Dam Committee						
Escalation factor: 1.08						
DRAFT Dated 9June2022						
Project / Equipment Description	2021-22 Cost Estimate	2022-23 Adjusted For Escalation	Provides Safety	Maintains Asset	Improves Member Experience	Comments
1. Lake Leprechaun Dredging (Ph 2)	\$50,000	\$54,000		X		Detailed Engr/Permitting
2. Inn Island Rebuild; NW Corner (Ph 1)	\$5,000	\$5,400	X	X		Feasibility Study**
3. Inn Island Bridge Upgrade/Rebuild (Ph 1)	\$5,000	\$5,400	X	X	X	Feasibility Study**
4A. Cranberry Creek Retention Pond (Ph 1)	\$22,000	\$23,760		X		Feasibility Study**
4B. Cranberry Creek Retention Pond (Ph 2)	\$40,000	\$43,200		X		Detailed Engr/Permitting
5A. Bird Sanctuary Dredging (Ph 1)	\$12,500	\$13,500		X		Feasibility Study**
5B. Bird Sanctuary Dredging (Ph 2)	\$50,000	\$54,000		X		Detailed Engr/Permitting
6. Weed Harvester or Equivalent	\$100,000	\$108,000		X		System Analysis/Procurement
7. Install Locks on all Park Restrooms		\$5,000	X	X	X	Cypher or Key Card
8. Upgrade/Update Banbury Park Restroom		\$15,000	X	X	X	Year Around Usage
9. Install Cabana at Anglia Park		\$15,000			X	Similar to LogToy Park
Total	\$284,500	\$342,260				
<i>**Includes Concept Development, Design and Cost Analysis, Project Planning</i>						
Candidate Projects						
1. Medium Park Cabana's (Anglia, Old Lyme)					X	Foundation & Cabana Install
2. Security Cameras for Parks			X	X		
DRAFT VERSION DATED 07/22/2022						

Table 4.3

Lake-Dam Committee		2022	2023	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Total	Comments	BOE
Labor															
63600.10	Lake Dam Department Mgr	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$5,500	\$66,000	Plnd Job Salary	LLCC Estimate
Lake Expenses															
63700.10	Technical Support/Analysis/Testing														
63700.11	Lake Advocates Consulting/Surveys	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$24,000	Limerick/Leprechaun	Historical Data
63710.12	AquaTechnex Weed Treatment/Permits	\$500					\$500	\$500	\$500	\$500	\$500	\$500	\$3,500	Limerick/Leprechaun	Vendor Quote
63710.13	Water Quality Sampling/Testing	\$500					\$500	\$500	\$500	\$500	\$500	\$500	\$3,500	IEH Labs	Vendor Quote
63700.20	Geese Mitigation							\$2,200					\$2,200	As Required	Historical Data
63700.30	Lake Limerick Fish Plant/Derby						\$4,000						\$4,000	Nisqually Trout	Historical Data
63700.31	Spring Fish Plant						\$2,000						\$2,000	Misc. Expenses	Historical Data
63700.32	Fishing Derby											\$1,500	\$1,500	Nisqually Trout	Historical Data
63700.33	Fall Fish Plant												\$1,400	Nisqually Trout	Historical Data
63700.40	Lake Leprechaun Fish Plant						\$1,400						\$1,400	Nisqually Trout	Historical Data
Total													\$83,600		
Licenses & Permits															
63805.10	Fishing Derby (WDFW)						\$200						\$200	Annual Permit	Fee Schedule
63805.20	Dam Operations (Dept of Ecology)						\$3,500						\$3,500	Annual Permit	Fee Schedule
Total													\$3,700		
Park Expenses															
65000.1	Restroom/Shed Roof Replacement	\$3,000						\$3,000	\$3,000	\$1,500			\$10,500	5 Parks/LLCC Install	LLCC Estimate
65000.2	Park Host Advertisement		550										\$550		
Total													\$11,050		
Repairs and Maintenance															
67200.10	Misc. Dam Repairs & Maintenance	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$3,600	Misc. Hardware	Historical Data
67200.20	Misc. Lake Repairs & Maintenance	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$5,400	Misc. Hardware	Historical Data
67200.30	Misc. Park Repairs & Maintenance	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,400	Misc. Hardware	Historical Data
Total													\$11,400		
Small Tools & Equipment															
67800.10	Misc. Tools/Equipment	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$1,200	Misc. Hardware	Historical Data
Supplies															
67805.10	Misc. Supplies	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$1,200	Consumables	Historical Data
													GRAND TOTAL		
													\$178,150		

DRAFT VERSION DATED 08/02/2022

LD CAM Report

Sept 1, 2022

8 of 12 Work Orders completed in August

Parks

- Maintained including bathrooms
- Signage
 - o Waiting for onsite WDFW guidance where to install public signage on their property
- Tipperary bathroom vandalism will cost \$3,000 for demo, cleanup, paint and replacement of like porcelain fixtures. Pricing stainless fixtures for comparison for a recommendation.

Water testing plan

- August results received and graphed by Lake Advocates including a technical memorandum
- YSI 10-meter cable received. In conjunction with the Sept water sampling, Facilities will measure Leprechaun and Limerick temperature, dissolved oxygen and ph up from the bottom of the lakes per Lake Advocates recommendations.

Data level loggers

- Reports available from January to present

Dams O&M inspections

- Dams are monitored weekly during park cleanups
- Mowing minimum once per month

Leprechaun

- Debris diverter installation completed and working as planned

Limerick butterfly valve

- Ken Martig is contacting DSO challenging the decision to maintain the valve:
 - o Stilling (receiving pool) not adequate to reduce downstream flooding
 - o Flooding could impact culvert, Mason Lake Road and Navy trestle
- Martig will measure inflow and outflow for drawdown calculations for Leprechaun and Limerick this winter
 - o Purpose is to understand the correct pumping size should the need arise

Budget planning 2022-23

- The Board adopted the 2022-23 HOA and Water operations and capital budgets on August 20. Ballots will be mailed to all Members in good standing next week for ratification.
- The LD expense budget totals \$128,724. My thanks to Teddy, Dennis and Joel for their development support. It is designed to cover lakes weed control planning and treatments, fish plants and permitting, Dept of Ecology dam operation permits, park expenses including upgrading all bathrooms with steel doors e/w cypher locks, repair and maintenance for dams,

lakes and parks including phase 1 feasibility and design for rebuilding the Inn Island shoreline, small tools & equipment, consumable supplies and liability insurance.

- The capital budget includes
 - o Upgrading the Banbury bathroom for full year usage as a model
 - o Cranberry Creek sediment assessment
 - o Cranberry & Kings Cove surveys to measure depth
 - o Reroofing park bathrooms and sheds
- Totaling \$56,425 is 25% of the planned capital budget
- With an approved budget vote, the PM position with a focus on lakes, dams and parks will be advertised

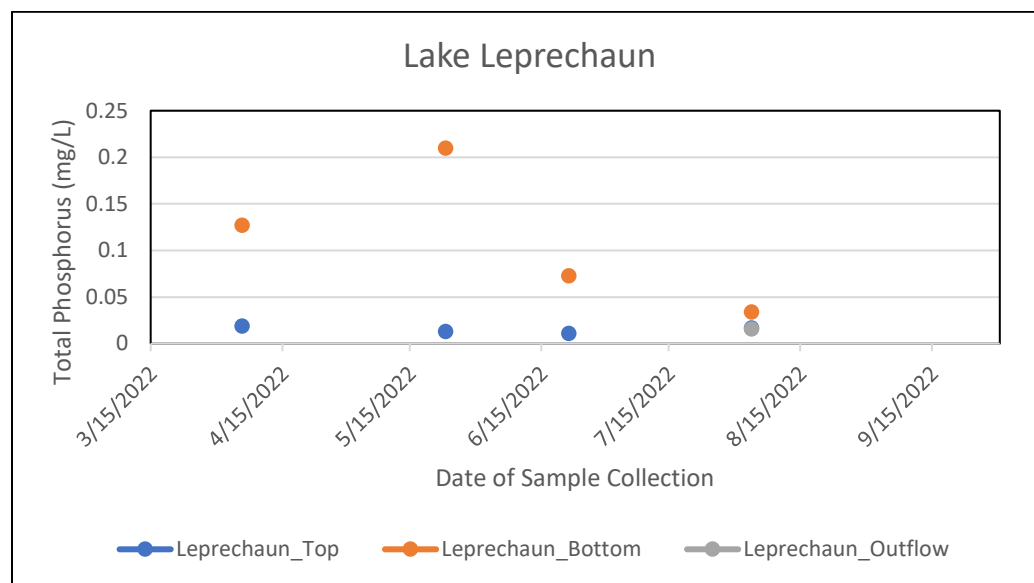
TECHNICAL MEMORANDUM

LAKE ADVOCATES (CONTACT: ROB PLOTNIKOFF & HARRY GIBBONS)

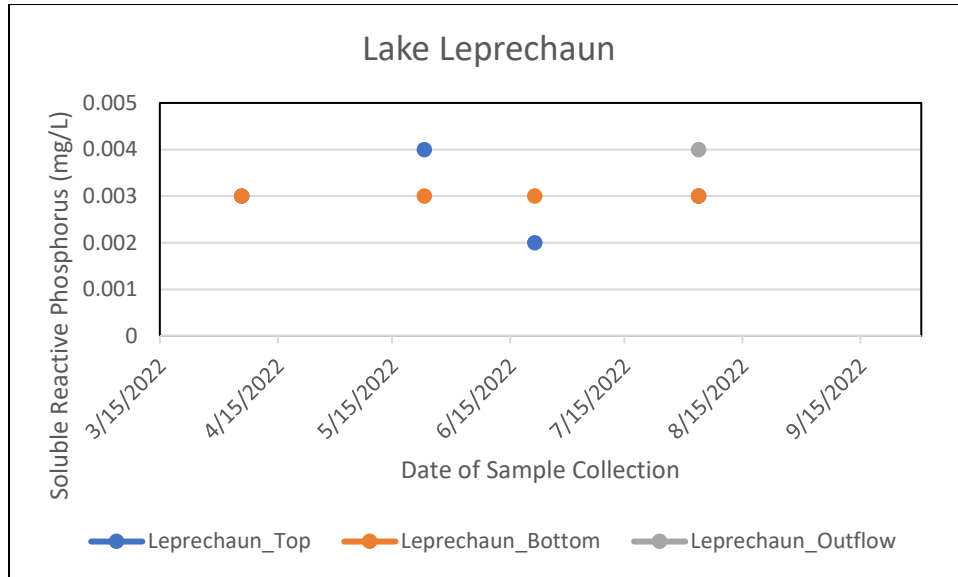
The purpose for this Technical Memorandum is to provide interpretation of water quality monitoring results from on-going water quality monitoring in both Lake Leprechaun and Lake Limerick watersheds. Currently, results are available from April 2022 through August 2022 when samples were collected within 18 inches of the surface and 18 inches from the bottom of each lake. In addition, surface samples were collected in August from the outlet at Cranberry Lake and the outlet of Lake Leprechaun as water enters Lake Limerick. Sample location in the lakes was at the deepest location. Additional data will be added to these graphs as it becomes available.

Lake Leprechaun

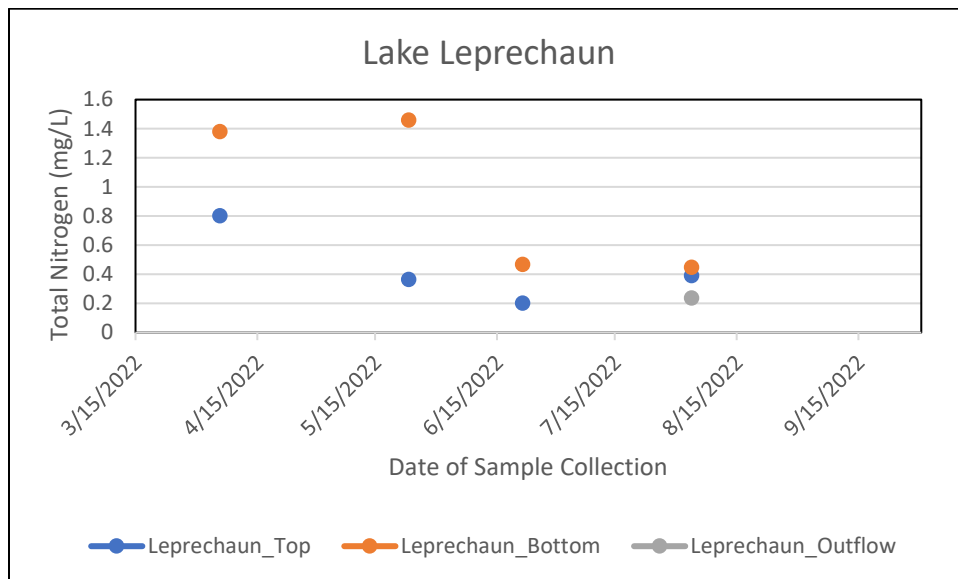
Lake Leprechaun is highly influenced by watershed wetlands and groundwater interflow from these wetlands into the lake. Monitoring results from April 2022 through August 2022 sampling show the following:



- Higher TP near the bottom reflects organic-Phosphorus in cellular material and humic organics (decayed organic matter). Surface TP concentrations are low due to humic stratification (isolation of the top water from the bottom water) within the water column. Typical TP concentrations in the water column should be below 0.025 mg/L for Lake Leprechaun. TP in Lake Leprechaun near the bottom is not causing algal production primarily due to availability of this element associated with the humic material.
- TP entering Lake Leprechaun in spring and early summer reflects groundwater interflow loading to the bottom of the lake and then decreases as summer season progresses and interflow declines due to lower water table in the watershed.
- TP input to Lake Limerick from Lake Leprechaun is not significant. Concentration of TP in Lake Leprechaun surface water is almost identical to the concentration in Lake Leprechaun Outflow.



- Soluble Reactive Phosphorus (SRP) continues to be low at both the water surface and near bottom. This form of phosphorus is immediately available for uptake by algae.
- Concentration of SRP in Lake Leprechaun Outflow is low and almost identical to concentrations in the lake.

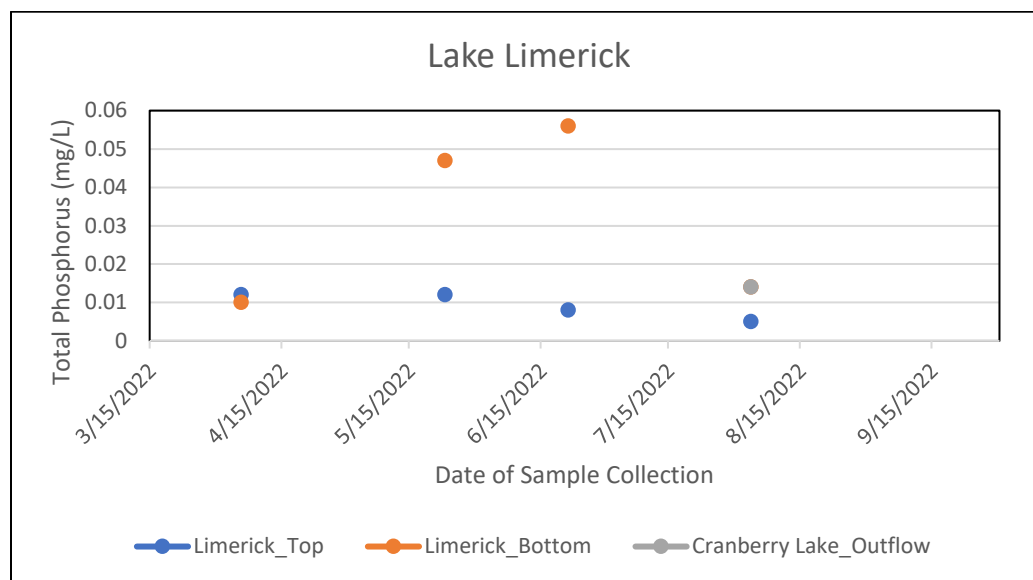


- High Total Nitrogen (N) is input from groundwater interflow, accumulated organic-N (humic or decayed organic matter), as well as cellular organic-N all located at the bottom. Total Nitrogen (TN) in both lakes is also from atmospheric direct precipitation.
- TN entering Lake Leprechaun in spring and early summer reflects groundwater interflow loading to the bottom of the lake and then decreases as summer season progresses (similar to TP dynamics) and interflow declines due to lower water table in the watershed.

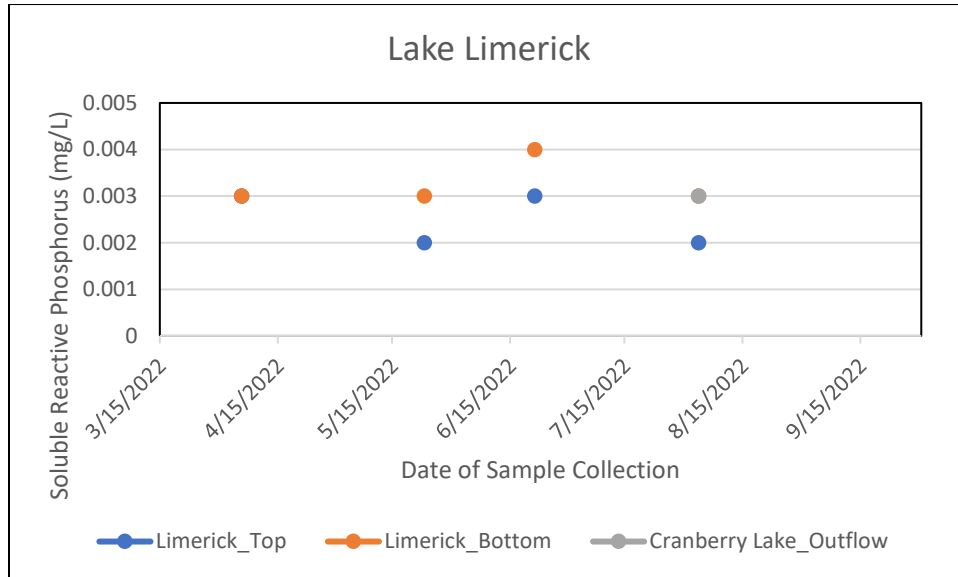
- TN is high compared with TP and the ratio TP:TN identifies which of the nutrients limits planktonic algal growth. In the case of Lake Leprechaun, phosphorus is limiting planktonic algal production.
- The concentration of TN is promoting vascular plant production in Lake Leprechaun.
- Internal sediment release of phosphorus does not appear to be driving high bottom TP concentrations in the spring, this is a good condition.

Lake Limerick

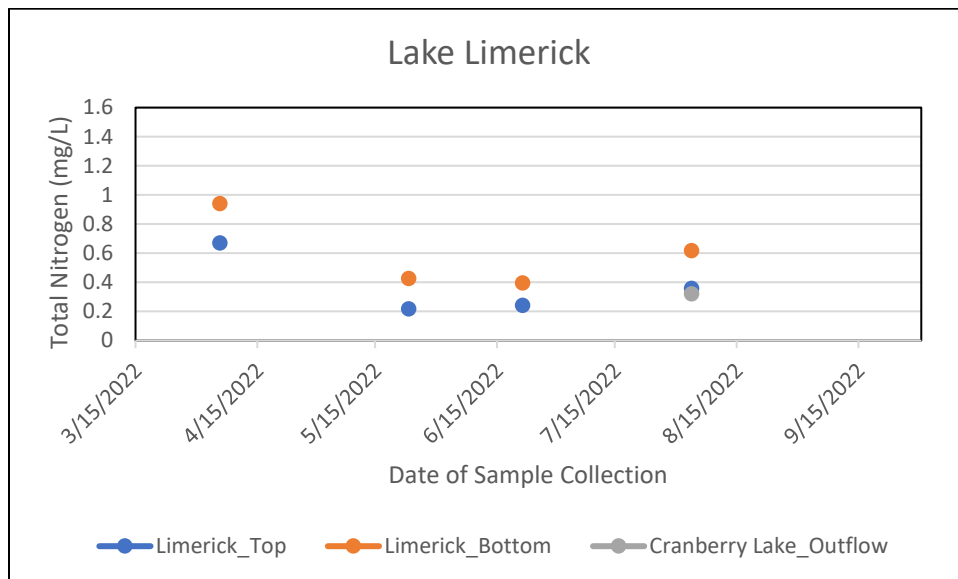
Early water quality results from Lake Limerick shows an increase of Soluble Reactive Phosphorus (SRP) and Total Phosphorus (TP) at the bottom and released from sediments where the nutrient has been stored and is available for consumption by algae. Like Lake Leprechaun, Lake Limerick TP declines dramatically in late summer.



- TP increases almost 3-fold at the bottom between sampling events (April versus May). This is a big increase and potentially a sign of over-enrichment of sediment. (Note: this increase may also reflect an increase in local groundwater interflow due to saturated soil from spring irrigation near the lake.) Typical TP concentrations in the water column should be below 0.025 mg/L for Lake Limerick.
- High concentration of bottom TP during May and June may be due to suspension of sediments and/or groundwater interflow input. The input source declines dramatically in August resembling the surface concentration.



- Soluble Reactive Phosphorus (SRP) is in low concentration throughout the water column. This form of phosphorus is immediately available for uptake by algae.
- Cranberry Lake SRP surface outflow concentration is identical to the bottom concentration in Lake Limerick in August.



- Total Nitrogen (TN) is a high concentration at the surface and near bottom. This is a direct effect of groundwater interflow that delivers Total Nitrogen (N) from both septic systems and wetlands in the watershed. Other sources include surface water inflow with high early spring flushing into the lake.
- TN is high compared with TP and the ratio TP:TN identifies which of the nutrients limits planktonic algal growth. In the case of Lake Limerick, phosphorus is limiting algal production. However, the high nitrogen concentration is probably enabling filamentous algae to over-produce due to bio-recirculation (*i.e.*, sediment and rooted plant release of nitrogen into the water near the lake bottom).

- High TN concentrations early in the year are likely from runoff from Cranberry Creek and from groundwater interflow when the watershed recharge is near maximum capacity.

Water Column Monitoring Results Available Soon

LLCC will begin monitoring the water column for temperature, pH, and dissolved oxygen in Lake Leprechaun and Lake Limerick at the existing water quality sites. The purpose for measuring these water quality characteristics is to determine physical or chemical factors that promote high levels of nutrient availability and growth of algae and plants.

For example, low concentration of dissolved oxygen at the bottom of the lake may indicate the decay of excessive organics is consuming oxygen and this condition in the environment is detrimental to aquatic life. When low dissolved oxygen concentrations occur in the environment, this establishes a microenvironment where pH starts to decline. In this instance, phosphorus bound to inorganic particles are released and become bioavailable for growth of algae (especially those resulting in harmful algal blooms).

Results from water column monitoring also inform on how the physical and chemical characteristics change during each of the seasons. Determining these changes helps identify strategies for lake management and timing for control of invasive plants and algae blooms.

PARK MAINTENANCE MONTHLY REPORT

DATE

Ang 27, 2022
Saturday

	YES/NO	Needs Attention
ANGLIA BEACH		
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Restroom is cleaned and stocked? (Done Mon & Fri May1-Oct 31)	Yes	
Lawn mowed recently?	Yes	
Ground debris cleaned up?	Yes	
All debris removed from spillway?	Yes	
Safety floats are above the water at the spillway?	Yes	
Notes: Park Host - talked w/ Matt		
No goose poop !!		
Swing fall zone needs raking		X
BANBURY PARK	YES/NO	
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Restroom is cleaned and stocked? (Done Mon & Fri May1-Oct 31)	Yes	
Lawn mowed recently?	Yes	
Ground debris cleaned up?	Yes	
Notes: Park host - but didn't see them		
Swing fall area need raking		X
? Blocks under wooden picnic tables		X
Field cameras (3) to level?		
CLUBHOUSE/INN	YES/NO	
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Lawn mowed recently?	Yes	
Ground debris cleaned up?	Yes	
Are pathways swept?	Yes	
Is the roof free of debris? Needs to be cleaned	NO	X
Notes:		
Swing fall zone needs raking		X
No goose poop !!		
Lots of lily pads under bridge channel		X

		Needs
	YES/NO	Attention
LEPRECHAUN PARK		
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Lawn mowed recently?	Yes	
Ground debris cleaned up?	Yes	
Debris removed from spillway?	Yes	
Notes:		
New picnic bench has been added should be bolted down		X
Rake swing area - rocks showing Debris diverter in place @ spillway		X
LOG TOY PARK		
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Restroom is clean and stocked? (Done Mon and Fri May 1-Oct 31)	Yes	
Lawn mowed recently?	Yes	
Ground debris cleaned up?	Yes	
Notes: Park Host		
Toy borders flipped (thanks to bel) :))		
Rake swing fall fail area		X
Some goose poop :))		
grass growing on path past tables :))		
OLD LYME PARK		
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Moved Station gone	X
Litter picked up?		
Restroom is clean and stocked? (Done Mon and Fri May 1-Oct 31)		
Lawn mowed recently?		
Ground debris cleaned up?		
Notes: No Park sign (old or new)		
Beige paint still needed on bathrooms		X
New swing seats :))		
Swing fall zone needs raking		X
WAY TO TIPPERARY		
Garbage can(s) empty? (They are emptied Mon & Fri)	Yes	
Dog Station has poop bags available?	Yes	
Litter picked up?	Yes	
Restroom is clean and stocked? (Done Mon and Fri May 1-Oct 31)	locked	isn't
Lawn mowed recently?	N/A	
Ground debris cleaned up?	No	X
Notes: Black berries growing over/intolake		X
Boat tied to dock No one around ?OK?		

- No current WA registration says June 2021
- LL Boat Permit # 0311 3-109

Maureen Glenn

From: [Maureen Glenn <me Glenn 1@frontier.com>](mailto:me Glenn 1@frontier.com)
Sent: Monday, August 29, 2022 10:50 AM
To: Maureen Glenn
Subject: [EXTERNAL] Aug 2022 monthly Park report





WA boat tab shows June 2021

Scanned from my iPhone



Ted Lovgren <thl9986@gmail.com>

Fw: LLCC Water Ski Course

Dennis and Julie Muretta <djmuretta@hotmail.com>
To: Teddy Lovgren <thl9986@gmail.com>

Wed, Aug 31, 2022 at 8:12 PM

From: Dennis and Julie Muretta <djmuretta@hotmail.com>

Sent: Tuesday, August 16, 2022 8:41 AM

To: bigwally64@gmail.com <bigwally64@gmail.com>

Cc: Dave Kohler <dave.kohler@q.com>; Dorothy Powter <dorothygail7@gmail.com>; Landsverk, Duane <duane@lqh-inc.com>; Jack Betterley <jgbette@gmail.com>; JARRED FOSS <jfoss2@tacoma.k12.wa.us>; Joel Gray <jgray662@comcast.net>; John McRoberts <john.mcroberts.email@gmail.com>; Kohler Karen <karen.kohler@q.com>; Kelly Evans <klevans.llcc@gmail.com>; Deanne Landsverk <Deanne@lqh-inc.com>; Louis Jackson <lj1776@yahoo.com>; Mandy Paradise <mparadise.llcc.director@hcc.net>; Paradise, Pat <patparadise@comcast.net>; Steve Glenn <jsglenn19@gmail.com>; Maureen Glenn <Maureen.Glenn@trilogypartnership.com>; Tim Lin Reber <rebertl@msn.com>; Smith, Brian <smithbnl@comcast.net>; Linda Smith <travelswithlinda@comcast.net>; Roger Milliman <cam@lakelimerick.com>

Subject: LLCC Water Ski Course

Wally;

Thanks for your inquiry on the Lake Limerick water ski course. The following provides a general overview of our ski course and provides answers to your specific questions.

The Lake Limerick Country Club (LLCC) has supported a community water ski course on our Lake for many years. It is similar to other community amenities LLCC provides its members such as the sports court, our many parks and our golf course. LLCC also has a Water Ski Club which is responsible for course installation in the summer, course maintenance during its use, and course removal in the fall. The Club also hosts ski tournaments typically during the "Fourth of July" and the "End of Summer" community celebrations. The ski course is part of our emphasis on providing members with a variety of outdoor activities to enhance community enjoyment.

In regards to your specific questions, we would offer the following responses;

1. Who owns the course buoys?

The current ski buoys were purchased by the LLCC water ski club and are installed/removed by them on a yearly basis with concurrence of the LLCC.

2. If LLCC doesn't own them, who is liable if someone is injured as a result of running into one?

Liabilities associated with the ski course are no different than for other community amenities such as our parks, our sports court and our golf course. Also note that our lake contains lake buoys used to mark the transition between low and high speed boating areas (during skiing hours) and log booms to protect sensitive shorelines. Unlike our marker buoys, the ski buoys are actually designed to be minimally impactful if run over by boats, skiers, and other lake users. As such, injury risks are considered extremely low.

The community does have liability insurance in the event of an unforeseen accident, but our liability is dependent on the accident circumstances. Also note that boaters, with or without skiers in tow, are always responsible for their actions on the water and for maintaining awareness of potential hazards in their surroundings. From a liability perspective, the ski course is no different than any other object on the lake.

3. Is there a time period for the ski course to be in the water? .

9/1/22, 11:43 AM

Gmail - Fw: LLCC Water Ski Course

Installation of the water ski course is weather dependent but typically occurs in mid-June and the ski course remains open for member usage until the end of September, at which time it is removed.

Hopefully this response answers your questions. If you have added questions or concerns, we would encourage you to attend a Lake/Dam meeting for further discussion. Meeting days and times are posted on the LLCC website.

Dennis Muretta and Teddy Lovgren

Lake Dam Committee

Sent from [Mail](#) for Windows

Lake/Dam Committee Action Item Status

As of: 1September2022

Commitments & Action Items	Date Assigned	Assigned To	Due Date	ECD / Status
Meet with Lake Advocates to review core sampling results and determine next steps for Phase 2 PAR	4-Dec-21	Maureen, Steve, Tim	TBD	Held for LA's Lab Report/Recommendation. Aug 27th, LA's Core report results provided to LD Committee for review.
Document Park Host Recruiting/Selection Process	7-May-22	Dave	TBD	
Obtain meeting minutes for Cranberry Creek SWDS Field Trip/meeting discussions	4-Jun-22	Teddy - Done Roger	August LD Mtg	Post field trip meeting/discussion held in Crows nest with Lake Advocates (Harry/Rob) and Ken Martig. Pat and Roger drafted minutes; under review by LA and Ken Martig. LA's recommendations added to "Technical Monitoring Rpt & Mgmt Actions" (June 2022 update). Follow-up with Roger on Ken's comments. Roger has ping'd Ken - no response from Ken.
Followup with Roger to obtain Ken Martig's recommendations to DSO response regarding requirement to continue to exercise Dam drain valve or obtain capability to quickly drain Lake Limerick with pumps or siphon system.	30-Jun-22	Dennis - Done Roger	August LD Mtg	Roger requested input from K. Martig. See Sept 1st CAM Report.
Develop framework/outline for an overall Lakes, Parks and Dams management plan	30-Jun-22	Brian	w/o Sept 5th	Framework/outline example provided to subteam; kickoff meeting to be scheduled for September.
Request Lake Advocates to perform inflow/outflow analysis of Lake Leprechaun	1-Sep-22	Roger	October LD Mtg	Need similar analysis as planned for Cranberry Creek/Lake Limerick
Maintenance to remove grasses growing along shoreline at Parks. Pictures provided during Sept 1st mtg.	1-Sep-22	Roger	TBD	Roger will schedule Work Order to be performed as winter project

Lake/Dam Committee Action Item Status

As of: 1September2022

Commitments & Action Items	Date Assigned	Assigned To	Due Date	ECD / Status
Review "direct drive" element of LLCC Boating regulations associated with exceptions clause.	1-Sep-22	Dave/Jarred	October LD Mtg	Action resulted from boat length exception discussion during Sept 1st mtg.
Request Lake Advocates to provide more concise results/recommendation in Lake status technical reports.	1-Sep-22	Roger	October LD Mtg	Future reports results/recommendations should be expressed in easier to understand laymans terms.
Confirm date for Lake Advocates Fall Survey of Lake Limerick and Lake Leprechaun	1-Sep-22	Dennis	w/o Sept 5th	To Be Schedule during September
Re-examine Lake Rules to ensure all safety, use, etc. requirements are clear for e-hydrofoil boards on Lake Limerick.	1-Sep-22	Dennis	TBD	Action resulted from discussion of concerns raised during Sept 1st mtg.
Inn Island Repair options/contractor quotes need to be assessed for feasibility	1-Sep-22	Pat	TBD	Pat will review the current contractor quotes and options; and provide his assessment to LD.
Need to identify a Dam/Lake engineer to replace Ken Martig. Duane to check with his contacts at Tacoma Power for recommendations.	1-Sep-22	Duane	TBD	Ken is semi-retired, need succession plan