

Lake Dam Committee Meeting Minutes  
3 December 2022

Call to Order - Meeting called to order at 9:31 AM.

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

Lou Jackson (P)	Deanne Landsverk (P)
Dennis Muretta (P)	Duane Landsverk (P)
Tim Reber (E)	Teddy Lovgren (P)
John McRoberts (P)	Dave Kohler (P)
Maureen Glenn (P)	Karen Kohler (P)
Steve Glenn (P)	Mandy Paradise (A)
Joel Gray (P)	Pat Paradise (P)
Brian Smith (P)	Linda Smith (P)
Jarred Foss (P)	Gary Wilson (P)

Guests: John Ingemi 3-244, Dan Bussler 5-92, Roger Milligan 3-44, Dean Dyson 2-200, -Hannah Landsverk 3-97, Rob Koenig 3-152, Janelle Lovgren 2-285, Mike Berni 3-83

**Chairperson's Opening Comments:** Teddy Lovgren

Teddy opened the meeting by advising the team of long time committee member, Dorothy Powter's, passing. He read a tribute written by Brian Smith for the Newsletter and committee acknowledged she will be missed.

Teddy thanked Brian for pulling together the inputs for the December newsletter. He also thanked the contributors for their writings.

**Meeting Minutes approval**

Deanne moved to modify the November minutes to recognize Hannah and Erik Landsverk being in attendance. With that adjustment, Karen moved to approve the minutes and Duane seconded the motion. The motion passed unanimously (attached as LD Meeting Minutes 20221105 (Final)).

**Correspondence:**

Teddy advised LLCC had received Lake Advocates Water Quality and Technical Memorandum Report since the LD Committee's last meeting – discussion re: this correspondence was addressed as part of *Old Business* below.

**Status of November Motions to the Board**

No Motions were made to the BOD during the November LD Committee Meeting.

**CAM Report: Roger**

Roger statused his written report (attached as LD CAM Report Dec 3, 2022) prior to the meeting. He emphasized:

- Only half of the weir boards from Lake Limerick have been removed to allow continued water flow in the fish ladder. He had communicated this to the WDFW, Squaxins and Ken Martig.
- Ken Martig's quote for the requested in/out flow analysis for Lake Limerick remains in work.
- The Program Manager position remains posted on Indeed.com. It will remain posted until the position is filled. Roger advised that other hiring apps pick up on Indeed's posts so LLCC does not need to advertise any further.
- Lake Advocates latest submittal re: Water Quality does address LD's request to summarize the findings with a stop light-type chart.
- LLCC has extended the contract with the company conducting LLCC's reserve study for an additional 3 years. To date, most of the updates have been done at the LLCC CAM/BOD level.

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Going forward, it is expected LD (as well as the other Committees) will have a participant on the team to help validate the estimates.

- Access to Anglia Park will be updated with a coded key pad for entry. It is understood that this is an interim solution until such time as a POS-type key card system can be adopted through our entire community.
- Removal of non-native / invasive plants along LLCC's park beaches will begin after all the weir boards are removed from Lake Limerick. Duane will compile a set of relevant regulatory documents related to shoreline vegetation removal, etc. and provide it to the Committee for reference.
- LD's budget (attached as Actual to Budget Lake Dame Oct 2022) is \$4K over based on the fees associated with Lake Advocates water quality reporting.
- LD requested Roger question Lake Advocates Statement of Work for their recent \$18K proposal for a bathymetric survey of Lake Limerick as it was LD's understanding the cost would only be slightly higher than the previously proposed price of 10K. Additionally, guest Rob Koenig advised it should be compared to the earlier surveys so we can compare the changes over time and the affect of the 2016 dredging.

**Parks Report:** Maureen/Steve

Maureen and Steve reviewed their parks report (attached as Nov Parks Maintenance Report dated 24 Nov 2022). Parks look great! Maureen reinforced her request to have the benches at Log Toy Park be secured so they don't become a safety issue. She also highlighted the abundance of goose poop at the Inn Island. Joel requested Roger ensure Maintenance does not blow the poop into the lake as a way to clean it off the grass.

**Docks/Floats Permits:** Teddy - No activity this reporting period.

**Boat Registrations:** Gary - No activity this reporting period.

**LD Action Item List:** Teddy

Teddy reviewed the attached Action Item List (attached as LD Action Item Status 30Nov2022). It was requested that the owners of each action item update the file to provide current due dates as most are currently recorded as TBD.

**OLD BUSINESS:**

**Lake Leprechaun Clean Out Project:** Steve/Maureen/Tim

No updates this reporting period. LD requested Roger to follow up with LA for a report ECD.

**Park Host Status:** Dave

Dave issued a first cut at the Park Host Process document to the team for review and comment. Comments will be incorporated and forwarded to the team for final approval during our next meeting.

**Dock/Floats Compliance:** Teddy - No updates this reporting period.

**Lakes Long Term Health and Welfare:** Brian

Brian briefed the team on the advances of his LTHW sub-team. His comments re: the team's last meeting are attached as Long Term Lakes Health Team.

While this sub team will not be addressing the height of Lake Limerick, it is acknowledged that lake levels contribute to the overall health of the lake. To that end, Joel volunteered to lead a sub team to recommend to the LD Committee, and ultimately the BOD, the target lake level.

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**Long Term Vision for Parks / Restrooms:** Dennis

Good progress has been made by the sub team to standardize the amenities at the parks. One additional meeting is expected to finalize the recommendation (steel doors, locks, locking scheme, roof and paint colors, heaters etc.) to the LD Committee with the expectation a motion be made to the BOD as part of the January meeting.

**Lake Rules Changes Process:** Dennis - Nothing to report this reporting period.

**Lake Advocates Water Quality Report**

Teddy made a motion to approve Lake Advocates Water Quality Report. Dave seconded it. Motion passed unanimously.

**Lake Advocates Estimates . Reserve Study Inputs**

Teddy made a motion to approve Lake Advocates Technical Memorandum (November update) used to support LD's Reserve Study input. Dave Seconded it. Motion passed with one abstention.

**Video Conference Capability** – No update this reporting period.

**Network Drive for Committee Use** -- No update this reporting period.

**LD Projects – Teddy**

- **Special Projects Manager – Roger**  
Posting remains open, pending qualified candidates. LD recommended that LLCC look at local colleges, consider making the position part time, look at limnologist websites etc for candidates.
- **Cranberry Creek Retention Pond(s)** - No update
- **Cranberry Creek Sediment Survey**  
Lake Advocates to perform. Expenditure requested via Motion 1 to the BOD, below.
- **Bird Sanctuary Weed Control**  
On Long Term Lake Health sub committee's radar. Project held for PM position to be filled and updated estimates to be obtained.
- **Cranberry Creek / King's Cove Bathymetric Survey**  
LD requested entire lake to be surveyed. See CAM report above.  
Pat recommended LLCC develop a relationship with the Frank Foundation relative to Cranberry Lake / Cranberry Creek's impact on Lake Limerick. Teddy made a motion to have LLCC (CAM and BoD member) pursue a relationship with the Frank Foundation. Joel Seconded the motion. The motion passed unanimously. See Motion #2 below.
- **Inn Island Bridge/Culvert** - No update
- **Inn Island NE Section Repair**  
Pat followed up with Hanson Excavating to discuss project and better understand their bid from the 2017 timeframe. Hanson has yet to return his inquiries. No updates expected until 1Q23.
- **Banbury Bathroom Upgrade**  
Held for Long Term Vision of Parks / Restroom Sub Team feedback to the Committee.
- **Park Bathroom Door / Cypher Lock**  
Dennis, Pat, Duane and Roger are looking into different options to control access to the parks bathrooms.
- **Leprechaun Dredging**  
Ted requested Roger follow up with Lake Advocates to assess and recommend the type of dredge, locations and cost estimates based on their last survey in October.

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**NEW BUSINESS**

**Adopt-a-Park – Joel**

Joel proposed the idea of mimicking the Green's Committee initiative of formalizing a group of volunteers to help with special projects associated with LLCC's lakes and parks and have LLCC members (don't have to be LD Committee members) monitor the parks on a regular basis. Jarred agreed to put together a framework to roll out this type of program.

**LD Membership Update –**

Hannah and Erik Landsverk were added to the LD Committee.

**Other Topics –**

John Ingemi will reach out to the Powter Family re: how they might like LLCC to recognize Dorothy for the many years of volunteering she provided to LLCC. Lou will coordinate with the Inn Committee as to what we may recommend recognizing Dorothy, as she was on the Inn Committee for many years as well.

**Guest Input** - None

**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 as LD Action Item Status 3Dec2022.

**Review of Motions to the Board:** See Below

**Motion to Adjourn:**

Meeting was adjourned at 11:45AM

Next Meeting – Saturday, 7 January 9:30AM via Zoom

**Look Ahead:**

Dec 17 Board of Directors Meeting  
Jan 7 Lake Dam Committee Meeting  
Jan 21 Board of Directors Meeting  
Feb 4 Lake Dam Committee Meeting  
Feb 18 Board of Directors Meeting

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**Motions to the Board**

**Motion #1**

LD Committee requests the BOD authorize funding for Lake Advocates to conduct a Cranberry Creek walk in early July 2023 to assess inflow of soft sediment and its impact to Lake Limerick. Funding not-to-exceed \$14K per LD's FY2022-23 Budget. Lake Advocates latest estimate contained in their November 2022 Lakes Report update is \$12.7K.

**Motion #2**

LD recommends LLCC CAM and at least one BOD representative develop a relationship with the Frank Foundation relative to Cranberry Lake / Cranberry Creek's impact on Lake Limerick. A positive relationship between LLCC and Frank Foundation will help with developing and executing projects (e.g. potential dredging, maintaining the current retention pond and retention structure, etc.) that are needed to sustain the life of Lake Limerick.

Lake Dam Committee Meeting Minutes  
5 November 2022

Call to Order

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

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

Guests: John Ingemi 3-244, Dan Bussler 5-92, Roger Milligan 3-44, Neil Burkel 3-77/78, Leanne Milligan 3-155, Dean Dyson 2-200, Erik Landsverk 3-97, Hannah Landsverk 3-97

**Chairperson's Opening Comments:** Dennis Muretta on behalf of Teddy Lovgren

Meeting called to order at 9:33 AM.

Teddy was sick and unable to lead the meeting although he was present via Zoom.

Dennis opened the meeting by reminding the team of Sharon Corrigan's memorial after the LD Meeting and that Dorothy Powter has been moved from the hospital to a recovery facility.

Dennis advised that Hannah and Eric Landsverk have applied for membership and the committee would vote at the end of the meeting.

**Meeting Minutes approval**

Deanne moved to approve the 1 October LD Meeting Minutes (attached as LD Meeting Minutes 1 Oct 2022 (Final)); Duanne seconded. Motion passed unanimously.

**Correspondence:**

- LD/LLCC sent a letter to WDFW requesting support in WDFW being a better custodian of the Public Boat Launch. While the issues at that location have been reduced due to local members closing and opening the gate. LLCC still would like better State support with signage and other security issues.
- Correspondence re: Lake Advocates Statement of Work / Contract received based on LLCC inputs. CAM to work with LA on 7 November to add signature lines to document and convert to a contract.
- Correspondence from member Leanne Milliman (3-155) received re: park signage. Addressed as part of New Business below.

**Status of October Motions to the Board**

Motion #1 LD Committee moves that the BOD investigate options for digital membership passes. Motion Passed

Motion #2: Based on the success of previous fall fish plants, Lake Dam recommends LLCC proceed with \$1500 for fall fish plant. Motion Passed

Lake Dam Committee Meeting Minutes  
5 November 2022

**CAM Report:** Roger

Roger provided status of his written report (attached as LD CAM Report Nov 5 2022) prior to the meeting.

**Parks Report:** Maureen/Steve

Maureen and Steve reviewed their parks report (attached as Oct Parks Report 20221029).

Duane made an LD Motion that it should be the LD Committee's goal to have the LLCC Park Beaches returned to their original state by cutting back vegetation etc by 15' of the shoreline and replace with pea gravel. Motion passed with eleven yes votes, one abstention and one no vote.

**Docks/Floats Permits:** Teddy

Boat lift for Lot 3-63 and Docks for Lots 1-54 and 3-137 were approved by LD this reporting cycle and remitted to LLCC's ACC Committee for final approval.

**Boat Registrations:** Gary - No activity this reporting period.

**LD Action Item List:** Dennis

Dennis reviewed the attached Action Item List (attached as LD Action Item Status 1Nov2022)

- LLCC is still awaiting LA feedback re: latest water sampling and recommendations re: dredging estimates
- Dave advised he is still working on formalizing the Park Host recruiting and selection process
- Brian advised that the Lakes Long Term Health and Welfare sub-team's focus is to *Identify critical long term lakes health issues; define measurable objective; and recommend the action necessary to slow the inevitable aging of the lakes so as to maintain safe recreational opportunities for all members.* The sub-team will not produce a Lake Health Management Plan, per se, rather it will be more focused on Lakes Long Term Lake Health and the associated strategic and tactical activities LLCC and its members need to perform to help slow down the lakes' aging process.
- Lake Leprechaun Inflow / Outflow of water analysis has been requested for the CAM to coordinate with Ken Martig as an additional task to the analysis he will be doing for Cranberry Creek and Lake Limerick.
- LLCC Maintenance will work shoreline vegetation removal during the winter months at the Parks. CAM reported Maintenance will not remove vegetation considered to be structural in holding back park embankments.
- Action regarding the "Direct Drive" aspect of the Boating regulations was closed as the current regulations do address this issue.
- CAM to reinforce the need for LA to better communicate with stoplight charts and concise recommendations/actions as to what LLCC needs to do to keep our lakes healthy.
- Dennis will reconvene the Lake Rules sub-team to ensure all safety, use etc requirements are clear for e-hydrofoil boards on Lake Limerick.
- Pat provided a recommendation to pursue the Inn Island shoreline be repaired with the granite block alternative. Pat to follow up with contractor since the quote is outdated.
- CAM spoke with Ken Martig re: a succession plan for a Dam Engineer. Ken had no recommendation. Still awaiting feedback from Duane for a successor based on his professional network with Tacoma Power.

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**OLD BUSINESS:**

**Budget:** Dennis - No updates this reporting period.

**Lake Leprechaun Clean Out Project:** Steve/Maureen/Tim No updates this reporting period.

**Park Host Status:** Dave - No updates this reporting period.

**Dock/Floats Compliance:** Teddy - No updates this reporting period.

**Lakes Weed Treatments –** Dennis - No updates this reporting period.

**Lakes Long Term Health and Welfare:** Brian

Sub-team met last week to continue to identify overall mission and next steps. See Action Item Status above. The proposal for a bathymetric survey and stream walks expected to be performed by LA remains in work. Joel will add this to the LD/CAM WO Log along with the request the bathymetric survey be performed on the entire lake (Limerick) not just the traditionally problematic areas.

**Long Term Vision for Parks / Restrooms:** Dennis

Pat continues to pull together a recommendation on what the park bathroom design should look like. He will continue to work with contractors and Duane and provide feedback to the sub-team. LD will likely recommend Banbury be the template for all parks with Log Toy being modified to support ADA needs.

**December 1<sup>st</sup> LLCC News Letter**

Brian is pulling together inputs from the team. It was advised all inputs are due to Brian by 16 November so he can forward them to the LLCC Office (Christy) for coordination and publishing by 1 December.

**LD Projects –** Deferred until LLCC Project Management Position is filled

**Video Conference Capability –** No update this reporting period.

**Network Drive for Committee Use --** No update this reporting period.

**NEW BUSINESS**

**Lake Advocates Estimates / Reserve Study Inputs**

Pat is looking for delta inputs from LA re: capital projects and what LLCC has captured in the commissioned Reserve Study. It was noted Stevan Saylor is the LLCC BOD POC focused on LD and Water Committee inputs. It was also noted movement on addressing the Reserve Study has stalled. John Ingemi (LLCC BOD President) took the action to follow up / dust off the Reserve Study to access next steps.

**Park Sign Revisions**

Based on Leanne Milligan's correspondence. It was agreed language for LLCC Boat Launch signs would be updated to remove reference to "Guest" access to the lakes. Dennis will also look at updates to the WDFW signage.

**Lake Advocates 2022/2023 Contract –** Status provided as part of above CAM Report

**Lake Rules Changes Process –** Deferred to December Meeting

**Fall Fish Plant –** Dennis reported task complete.

**Adopt-a-Park –** Deferred to December Meeting

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**LD Membership Update** -- Voting on Hannah and Eric Landsverks' request to join the LD Committee was deferred to the December Meeting as they were not in attendance and the LD Committee did not have a quorum by the end of the meeting.

**Other Topics –**

Dean Dyson brought up the topic of using the dam as a dog park. This idea was not endorsed by LD.

**Guest Input**

None.

**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 12:10PM

Next Meeting – Saturday, 3 December; 9:30AM via Zoom

**Look Ahead:**

Nov 16 News Letter Inputs due November 16

Nov 19 Board of Directors Meeting

Dec 3 Lake Dam Committee Meeting

Dec 17 Board of Directors Meeting

Jan 7 Lake Dam Committee Meeting

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**Motions to the Board**

- None this reporting period
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## Lake/Dam Committee Action Item Status

As of: 3December2022

Commitments & Action Items	Date Assigned	Assigned To	Due Date	ECD / Status
Document Park Host Recruiting/Selection Process	7-May-22	Dave	TBD	27Nov2022 Draft sent to LD members for review/comment; inputs due to Dave prior to January LD meeting
Request <del>Lake Advocates</del> Ken Martig to perform inflow/outflow analysis of both Lakes & Cranberry Creek	9/1/2022 Revised 11/2022	Roger	October LD Mtg	Revised the Action item to include both lakes and Cranberry Creek and assigned to Ken Martig
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. Need to establish change process.
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. Pat completed his review and recommended the shoreline be repaired with the granite block option. Hanson Excavating has not returned Pat's calls regarding their estimate - ECD for project update 1st Qtr 2023
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; Ken has no recommendations. Duanne to reengage with his professional contacts.
Need Lake Advocates to formalize cost and dates for both the Cranberry Creek Stream Walk and the Lake Limerick Bathmetric Survey	5-Nov-22	Roger	TBD	<b>COMPLETE</b> 16Nov2022 email from LA addresses timing and cost for both CC Stream Walk and LL Bathymetric Survey
Park Signage to be revised to remove reference to Guests access to Lakes. Will also look at updates to the WDFW signage.	5-Nov-22	Dennis	TBD	Dennis to get with sign maker re: feasibility of changes. Working with WDFW remains in work.

## Lake/Dam Committee Action Item Status

As of: 3December2022

[illegible]

## LD CAM Report

December 3, 2022

### Parks

- Maintaining debris and leaves weekly
- Removing parks shoreline swim area vegetation on schedule after weir boards removed and lake level drops
- Southgate Fence is on standby for installing 3 keypads for Anglia park and dam access
- With finalized LD bathroom plans for roofing, steel doors, cyber locks and plan for Banbury, Facilities will schedule

### Water testing plan

- See attached recent report

### Data level loggers

- See attached November reports

### Dams

- Dams are monitored weekly
- Weir board removals started; 7 of 16 Limerick and 4 of 6 Leprechaun as of Nov 4; maintaining fish ladder flow; will resume weir removals when salmon run ends and Squaxin's remove fish weir wall
- Then when lake level drops start project to trim down Limerick dam waterline bush/grass and remove parks shoreline swim area vegetation
- Ken Martig to provide proposal to measure Leprechaun and Cranberry in/out flow and Limerick outflow for drawdown calculations; reminded him this week his draft is due

### PM position

- Posted on Indeed

### Lake Advocates

- 2022-23 contract signed – see attached
- Requested expense and timeline on 2 capital projects
  - o Cranberry Creek soft sediment assessment including stream walk
  - o Cranberry King's Cove bathymetric surveys measuring dredge depth
    - Requested adding measurements of Limerick depth/muck and budget
- See attached November 16 response sent to Teddy/Dennis

### Reserve Study

- Reserve Associates used LA midpoint estimated figures for dredging Leprechaun, Limerick and Bird Sanctuary
- See attached Executive summary

**Lake Limerick**  
**BUDGET TO ACTUAL**  
Month Ended Oct 31, 2022

Variance	Lake Dam HOA Budget	Lake Dam HOA Actual		Lake Dam HOA Actual	Lake Dam HOA Budget	Variance	Lake Dam HOA Budget	8%
<b>Revenue</b>								
0	0	0	Total Revenue	0	0	0	0	
<b>Cost of Goods Sold</b>								
0	0	0	Total Cost of Goods Sold	0	0	0	0	
0	0	0	Gross Profit	0	0	0	0	
<b>Operating Expenses</b>								
\$ 232	\$ 771	\$ 1,003	Insurance Expense	\$ 1,003	\$ 771	\$ 232	\$ 0	
4,800	2,500	7,300	Lake Expense	7,300	2,500	4,800	66,225	11%
124	0	124	Parks Expense	124	0	124	550	23%
(950)	950	0	Repairs and Maintenance	0	950	(950)	1,800	0%
(100)	100	0	Small Tools and Equipment	0	100	(100)	0	
(100)	100	0	Supplies	0	100	(100)	0	
4,006	4,421	8,427	Total Operating Expenses	8,427	4,421	4,006	68,575	12%
(4,006)	(4,421)	(8,427)	Operating Income (Loss)	(8,427)	(4,421)	(4,006)	(68,575)	12%
<b>Other Income</b>								
(4,006)	(4,421)	(8,427)	Income (Loss) Before Income Taxes	(8,427)	(4,421)	(4,006)	(68,575)	12%

# PARK MAINTENANCE MONTHLY REPORT

DATE

Nov 24 2022

Thursday

ANGLIA BEACH		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)	Locked	
	Lawn mowed recently?	N/A	
	Ground debris cleaned up?	No	X
	All debris removed from spillway?	Yes	
	Safety floats are above the water at the spillway?	Yes	
	Notes:		
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)	Locked	
	Lawn mowed recently?	N/A	
	Ground debris cleaned up?	No	X
	Notes:		
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?	N/A	
	Ground debris cleaned up?	Yes	
	Are pathways swept?	Yes	
	Is the roof free of debris?	No	X
	Notes:		
	14 geese on island		
	Goose, poop everywhere on island		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?	N/A	
	Ground debris cleaned up?	Yes	
	Debris removed from spillway? <i>pine needle/leaf</i>	No	X
	Notes:		
LOG TOY 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 clean and stocked? (Done Mon and Fri May 1-Oct 31)	Locked	
	Lawn mowed recently?		
	Ground debris cleaned up?		
	Notes: <i>Goose poop (a lot)</i>		X
OLD LYME PARK	<i>Benches need to be anchored they are chained but they still can fall back &amp; hit sign that was just reinstalled</i>		X
WAY TO TIPPERARY		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 clean and stocked? (Done Mon and Fri May 1-Oct 31)	Locked	
	Lawn mowed recently?	N/A	
	Ground debris cleaned up?	Yes	
	Notes:		

**Long Term Lakes Health Team**

**Dec 3, 2022 Meeting—10 AM**

**Crows' Nest**

Meeting notice placed on Association Calendar

Present: Teddy Lovgren, Joel Gray, Dennis Muretta, Pat Paradise, Brian Smith (team Lead)

Excused: John McRoberts, Tim Reber

The meeting focused on continuing to develop an action framework for protecting and enhancing water quality in Lakes Limerick and Leprechaun to improve recreational opportunities and prevent deterioration of the Lakes' habitat.

**Vision:** Lakes Limerick and Leprechaun provide safe and healthy recreation for all members.

**Goal 1:** Protect and improve water quality in Lakes Limerick and Leprechaun to maintain them in a "mesotrophic" state without excessive plant or algae growth.

**Objective 1.1:** Lake water concentrations of plant and algal growth nutrients are maintained as follows: Total Phosphorous (TP)  $\geq 0.01\text{mg/L}$  - $0.03\text{ mg/L}$ ; Soluble Reactive Phosphorous (SRP) TBD: Total Nitrogen (TN)  $\leq 0.86\text{ mg/L}$ ; Dissolved Oxygen (DO) Concern threshold TBD.

**Action 1.1.1.** Surface, water column and bottom water sampling for TP, SRP, TN and Dissolved Oxygen (DO) (indicator of plant material decay which can release P stimulating algae growth). Sampling sites should represent typical areas of the lakes, and the inlets and outflows.

**Action 1.1.2.** Establish a data analysis and storage/archive framework allowing easy data entry and retrieval, analysis and safe storage over time. (Seek LA advice and recommendations)

**Action 1.1.3.** Establish a data steward responsible for timely data entry; reporting of key indicators to the Lake Dam Committee and the LLCC community; QA/QC of data collection and storage.

**Action 1.1.4.** . Based on results of investigations and sampling/surveys, begin to develop alternative project plans including preliminary estimates and schedules for nutrient removal either from lakes or tributaries. Coordinate with LLCC BOD efforts to refine its Reserve Account funding and expenditure plans.

**Objective 1.2:** Reduce the input of sediments to Lakes Limerick and Leprechaun because sediments can negatively impact habitat values including fish spawning areas; contribute nutrients for plant and algal growth; and impact recreational uses and aesthetics.

**Action 1.2.1.** Identify sources and input rates of sediments by investigating inlets and upstream stream/lake areas, particularly during times of maximum transport.

**Action 1.2.2.** Conduct periodic bathymetric surveys of the lake to determine magnitude and impact of sedimentation over time and identify “hot spots” that may require special actions such as dredging or upstream sediment removal.

**Action 1.2.3.** Based on results of investigations and sampling/surveys, begin to develop alternative project plans including preliminary estimates and schedules for sediment removal either from lakes or tributaries. Coordinate with LLCC BOD efforts to refine its Reserve Account funding and expenditure plans.

**Objective 1.3.** Reduce the exogenous contribution of nutrients such as those from landscape fertilizers and septic system effluent entering the lakes via groundwater and surface runoff.

**Action 1.3.1** Ensure the LLCC golf course continues to use low P fertilizers which can enter the lake via irrigation and stormwater runoff.

**Action 1.3.2.** Conduct multi-pronged member education campaign regarding septic tank maintenance, landscaping fertilizers, etc.

**Action 1.3.3.** Continue efforts with USFWS to reduce resident and migratory Canada Goose populations.

**Goal 2.** For both Lakes Limerick and Leprechaun determine an appropriate lake level target balancing numerous factors such as recreational and irrigation needs, maintaining adequate flow in the fish ladder and spillway, beach maintenance, members property use and riparian tree health. **[NOTE:** The LTLH Team does NOT want responsibility for this issue, although this is something the Lake Dam Committee needs to address.]

**Action 2.1.** Continuously monitor lake levels throughout the year as a basis for analysis of possible actions regarding lake levels.

**Action 2.2.** At selected locations, monitor edge of pool locations over time and correlate to measured lake levels.

**Action 2.3.** Say “what the heck, let’s try something” and reduce the effective weir board height by 3” and see what happens.