

Education & Outreach Committee Meeting Minutes Thursday, September 8, 2022 1:00 p.m. – 4:00 p.m. LICA Boardroom and via Microsoft Teams

Present:	Stephanie Sitkowski (via Microsoft Teams) Duane Zaraska Cindy Connolly (via Microsoft Teams) Amanda Avery Bibb (via Microsoft Teams)
Guests and Observers:	Robert Machatis
Staff and Contractors:	Vicky Krawchuk, LICA Executive Director Rachel Bates, Education & Outreach Coordinator Eveline Hartog, LICA Administrative Professional Tina Johnson, LICA Administrative Professional
Regrets:	Gabrielle Wiskeyjack Evelyn Mondares Carrie Baumgardner

1.0 CALL TO ORDER

Amanda Avery-Bibo, the Board Chairperson, called the meeting to order at 1:07 p.m.

1.1 Territorial Acknowledgement

1.2 Vision, Mission, and Values

1.3 Introductions

1.4 Roll Call

Shareena Wilkins has moved out of the LICA region and will no longer be serving as Committee Chairperson. We wish Shareena well in her new endeavors.

1.5 Approval of Agenda

1.5.1 September 8, 2022

#1 Moved by Cindy Connolly AND CARRIED that the September 8, 2022, Agenda be approved as presented.

1.6 Approval of Minutes

1.6.1 June 16, 2022 – DRAFT

#2 Moved by Stephanie Sitkowski AND CARRIED that the June 16, 2022, Minutes be approved as presented.

1.6.2 May 17, 2022 – DRAFT

#3 Moved by Cindy Connolly AND CARRIED that the May 17, 2022, Minutes be approved as presented.

2.0. ONGOING BUSINESS

2.1 Education & Outreach Update

The Education & Outreach (E&O) Coordinator presented her Update to the Committee, noting:

- The summer student Calista Stoyles assisted the E & O Coordinator for 8 weeks over the summer and was an immense help. There were a record number of summer camps this year and LICA has exceeded the workplan target in this area from 10 to 13.
- There has been a significant increase in Facebook reach from 7K to 28K over a three-month period.
- Two Hills, a new LICA member, has requested an X-Stream Science class and this will be presented.
- The 2023 Calendar Contest advertising was re-sent to all schools in the LICA region on September 1 with contest deadline of October 14.
- Stream of Dreams applications were sent to schools September 1. The E & O Committee will select schools at the November committee meeting.
- Rachel updated LICA's program guide for Stream of Dreams during the summer.
- All advertising for the LICA Annual General Meeting has been completed and the keynote speaker has been booked.
- LICA's classroom presentation packages have been updated and will be made available for distribution to schools and community groups.

2.2 Bonnyville Community Garden

2.2.1 2022 Season Update

The E&O Coordinator gave a brief update on the Community Garden indicating that:

- Of the 41 beds available 11 gardeners signed up and 9 beds were sold and 7 beds were Food Bank beds with kind donations from Baby Cherry Greenhouse.
- There were 2 garden workdays planned and a number of garden workshops as well which were very well attended. It was noted that some of the workshops were hosted at the LICA garden gazebo which is a fantastic venue.
- The last garden workday will be at the end of September and gardeners have until October 1 to harvest their gardens. During the garden workday LICA will focus on lawn care since weeds are an issue. It was suggested by a committee member to turn weed removal into a learning opportunity for our gardeners in the spring.
- A committee member suggested for the committee to look into options on how to manage in-active garden beds to reduce weed potential and unsightliness of weeds overtaking the bed. The E & O Coordinator will also investigate the use of a cover crop for the empty beds.
- Vandalism and theft of garden crops was noted as being a problem this year.

2.2.2 Budget Update

The E&O Coordinator reviewed the Community Garden budget noting that all big purchases for the garden have now been made and LICA has come in under budget by approximately \$3K.

2.2.3 Cameras

Continuing issues around theft of garden members' produce has led to LICA looking at installation of cameras around the location in hopes this would deter any acts of vandalism.

#4 Moved by Amanda Avery Bibb to allow the E & O Coordinator to spend up to \$500.00 to purchase an outdoor motion sensor light(s) and a trail cam for the LICA Community Garden.

2.2.4 Cookbook

The E&O Coordinator presented the front and back cover of the cookbook for Committee review and approval. The cookbook is due to be completed by the end of September and a print run of 50-60 books will be made available.

2.3 Photo Contest

2.3.1 Judging Timeline

The E&O Coordinator informed the Committee that 75 photo entries have been received. Susie O'Conner will again be one of our judges and she would like dates where she can come into the office to judge the photos. Along with Susie the E&O Coordinator requested that 1 Board member and 1 Committee be on the judging panel. Duane Zaraska volunteered to be the Board representative and Cindy Connolly volunteered to represent the Committee. The E&O Coordinator will contact all the judges soon to coordinate a date for judging.

2.3.2 Showcase Event

The Committee was encouraged by the E&O Coordinator to consider having a showcase event this year celebrating the photo contest winners. Each winner will be presented with a canvas copy of their photo but she would like to see a LICA hosted event displaying the winning entries.

After discussion some of the Showcase events ideas offered were:

- Have a moving art exhibit
- Host an open house and have the photos on display; perhaps consider reinstituting Christmas at LICA
- Do a presentation at the Annual General Meeting
- Host a mini-LICA art show and mini-gala; have an environmental art show
- Have a kid's art show
- Display the winners through social media post
- Wait until the LICA calendar contest is done and then celebrate all contest winners in one event, a one-day bigger event

The Committee's decision was to host a one-night event to be determined at a later date.

2.3.3 Fan Favorite Voting

The E&O Coordinator along with the Committee discussed how best to select the Fan Favorite photo from the contest. It was decided that LICA would create an album on Facebook and the photo that gets the greatest number of "likes" will be the winner.

2.4 Keep Our Lake Blue

2.4.1 Blue-Green Algae Brochure/Poster Update

The E&O Coordinator presented the final copy of the Blue-Green Algae Brochure and poster update. The Committee gave their approval to have the brochure presented to the Board of Directors for approval.

2.5 Winter Workshops

2.5.1 Brainstorming Topics

The E&O Coordinator opened the floor to the Committee to offer suggestions for 3 LICA hosted winter workshops. The Committee suggested that LICA consider:

- Having a presentation or two on wetland policies.
- A carbon capture and storage presentation. It was suggested that the E&O Coordinator reach out to Pathways to see if they would like to take this opportunity.
- To contact industry members to see if they have any presentations on environmental matters in the industry i.e., reclamation, Caribou habitat restoration, etc.

2.6 Volunteer Appreciation Event

The E&O Coordinator presented to the Committee some initial ideas she had for volunteer recognition in the future. Some suggestions were:

- have a car wash and b-b-q in June at the Community Garden.
- raffle a door prize.
- make handmade cards using photo contest entries.
- have a notice board of appreciation updated monthly.
- offer a gift of the cookbook to volunteers.

The E&O Coordinator will begin the volunteer appreciation by starting a notice board and gifting the LICA cookbook to the volunteer of the month.

3.0 ACTION LIST

3.1 Follow-up on Action List

3.1.1 June 16, 2022

The Committee reviewed the E&O Action List from the June 16, 2022, meeting.

4.0 UPCOMING MEETING DATES

4.1 Board Meeting – September 22, 2022

4.2 Next Meeting – TBD

The Committee determined that the next E&O Committee meeting would be in November and the dates will be arranged with the new Committee chair.

5.0 ADJOURNMENT

The meeting adjourned at 3:04 p.m.

#5 Moved by Duane Zaraska AND CARRIED that the meeting be adjourned.

Approved on: _____
Date

Signature

2021-22 Attendance
Education & Outreach Committee Meetings

NAME	November 16, 2021	January 13, 2022	March 17, 2022	June 16, 2022			
Evelyn Mondares	A	TC	TC	TC			
Shareena Wilkins	TC	✓	✓	✓			
Stephanie Sitkowski	TC	TC	A	TC			
Amanda Avery Bibb	TC	TC	A	TC			
Duane Zaraska	TC	TC	✓	A			
Gabrielle Wiskeyjack	A	TC	TC	TC			
Madison Rehm	A	A	-	-			
Cindy Connolly	TC	TC	TC	A			
Carrie Baumgardner	TC	TC	TC	A			

Notes: ✓ = Present

TC = Telephone Conference

A = Absent from Meeting



Lakeland Industry and Community Association

Box 8237, 5107W - 50 Street, Bonnyville, AB T9N 2J5

780 812-2182 780 812-2186 www.lica.ca

Education & Outreach Committee Meeting **LICA Boardroom and via Microsoft Teams** **Thursday, September 8, 2022** **1:00 p.m. to 4:00 p.m.**

Item	Agenda	Discussion Leader	Required Outcome
1.0	CALL TO ORDER		
1.1	Territorial Acknowledgement	Amanda	
1.2	Vision, Mission, and Values	Amanda	
1.3	Introductions	All	
1.4	Roll Call	Amanda	For Review
1.5	Approval of Agenda		
	1.5.1 September 8, 2022	Amanda	For Decision
1.6	Approval of Minutes		
	1.6.1 June 16, 2022 - DRAFT	Amanda	For Decision
2.0	ONGOING BUSINESS		
2.1	Education and Outreach Update	Rachel	For Information
2.2	Bonnyville Community Garden		
	2.2.1 2022 Season update	Rachel	For Information
	2.2.2 Budget update	Rachel	For Information
	2.2.3 Cameras	Rachel	For Discussion
	2.2.4 Cookbook	Rachel	For Discussion
2.3	Photo Contest		
	2.3.1 Judging timeline	Rachel	For Discussion
	2.3.2 Showcase Event	Rachel	For Discussion
	2.3.3 Fan Favorite Voting	Rachel	For Information
2.4	Keep Our Lake Blue		
	2.4.1 Blue-Green Algae Brochure/Poster Update	Rachel	For Decision
2.5	Winter Workshops		
	2.5.1 Brainstorming topics	Rachel	For Discussion
2.6	Volunteer Appreciation Event	Rachel	For Discussion

3.0	ACTION LIST		
3.1	Follow-up on Action List 3.1.1 June 16, 2022	Amanda	For Review
4.0	UPCOMING MEETING DATES		
4.1	Board Meeting – September 22, 2022	Amanda	For Information
4.2	Next Meeting – date TBD	Amanda	For Information
5.0	ADJOURNMENT	Amanda	For Decision



Lakeland Industry and Community Association

Box 8237, 5107W - 50 Street, Bonnyville, AB T9N 2J5

780 812-2182 780 812-2186 www.lica.ca

Education & Outreach Committee

Meeting Minutes

Thursday, June 16, 2022
1:00 p.m. – 4:00 p.m.
LICA Boardroom and via Microsoft Teams

Present: Shareena Wilkins
Stephanie Sitkowski (via Microsoft Teams)
Gabrielle Wiskeyjack (via Microsoft Teams, left at 2:04 p.m.)
Evelyn Mondares (arrived at 1:37 p.m., via Microsoft Teams)
Amanda Avery Bibb (via Microsoft Teams)

Guests and Observers: Robert Machatis

Staff and Contractors: Vicky Krawchuk, LICA Executive Director
Rachel Bates, Education & Outreach Coordinator
Calista Stoyles, LICA Summer Student
Eveline Hartog, LICA Administrative Professional
Tina Johnson, LICA Administrative Professional

Regrets: Cindy Connolly
Duane Zaraska
Carrie Baumgardner

1.0 CALL TO ORDER

Shareena Wilkins, the Committee Chairperson, called the meeting to order at 1:00 p.m.

1.1 Territorial Acknowledgement

1.2 Vision, Mission, and Values

1.3 Introductions

1.4 Roll Call

1.5 Approval of Agenda

1.5.1 June 16, 2022

This item was tabled until quorum was achieved at 1:37 p.m.

#1 Moved by Stephanie Sitkowski AND CARRIED that the June 16, 2022, Agenda be approved as presented.

1.6 Approval of Minutes

1.6.1 March 17, 2022 - DRAFT

This item was tabled to the September meeting due to lack of quorum.

2.0. ONGOING BUSINESS

2.1 Education & Outreach Update

The Education & Outreach (E&O) Coordinator presented her Update to the Committee, noting:

- Our attendance at the Blue Quills job fair led to some volunteers for the CreekWatch Program.
- The date for the Lac La Biche Agriculture Appreciation Day was corrected to June 29 from about 3:30 – 7:00 p.m. and volunteers are needed for this event. The Chairperson urged the Committee to volunteer and requested the E&O Coordinator also make this request at the Board meeting. With Lac La Biche being a new LICA member, it is important to have a presence there.
- LICA, in collaboration with the Athabasca River Watershed, will be participating in Shore Line Clean-ups at Beaver Lake and in Lac La Biche in July.
- The E&O Coordinator requested that committee members assist on June 17th at the LICA Community Garden Volunteer Workday. Any time that can be provided between 10:00 am – 2:00 pm. would be appreciated.
- LICA will be attending the Canada Day celebrations in Cold Lake.

A Committee member notified the E&O Coordinator that her work schedule allows for her to volunteer on Mondays and Tuesdays over the summer. Another Committee member inquired if LICA had planned anything for Parks Day; nothing has been planned to date.

2.2 Rain Garden Video

2.2.1 Video Link

The E&O Coordinator shared the Rain Garden video with the Committee indicating that this information has already been shared with the Board of Directors. The video will premiere on LICA's YouTube channel at 11:00 am on June 17th.

2.3 Bonnyville Community Garden

2.3.1 2022 Season Update

The E&O Coordinator gave a brief update on the Community Garden indicating that:

- We have 12 registered gardeners, and 19 of the 41 available beds have been sold. This is up from 11 of the 15 beds in 2021.
- 7 beds have been allocated to grow items for the Bonnyville Food Bank. A generous donation towards these beds was made by Baby Cherry Greenhouse.

2.3.2 Budget Update

The E&O Coordinator reviewed the budget for the Community Garden indicating that approximately \$650.00 will remain after expenses. Greenscape Lawn Care has been contracted to do the mowing during the summer at the cost of \$120.00/month and garden membership fees will be used to cover this expense.

2.3.3 Construction Updates

The Committee was informed by the E&O Coordinator that:

- Construction of the stand for our second water tank still needs to be completed,
- In-ground beds need to be created for the fruit trees and plants,
- The permit for the gazebo construction is complete, construction can now begin with the installation of picnic tables and benches to follow, and
- The installation of the man-gate by the compost bin should be completed this week.

2.3.4 Garden Decoration and Placemaking Update

The E&O Coordinator notified the Committee that the Bonnyville Wellness Coalition (BWC) is offering a grant of up to \$5,000.00 that they would like to use towards LICA's Garden Decoration and Placemaking project. The Healthy Eating Working Group of the BWC would like to use wood cutouts of vegetables, fruit, and animals to decorate the LICA garden fence. She felt this would be an excellent project for LICA and, cost-wise, not expensive for the Coalition based on the budget. The next meeting of the Wellness Coalition will be in July and the Coordinator will finalize the details of this project at that time.

2.4 Earth Day Writing Contest

2.4.1 Selection of Winners

The E&O Coordinator presented the final update on the Earth Day Writing Contest. This year's topic was *Gardening for Your Space* and a total of 143 entries were received from seven participating schools. After review and discussion by the Committee, it was determined that the winners were as follows:

- 1) "Great Gardens" from Cold Lake Elementary was the Grade 4 winner.
- 2) "Planter" from Mallaig School was the Grade 5 winner.
- 3) "School Gardening Future" from Mallaig School was the Grade 6 winner.

The contest winners will be notified by the E&O Coordinator, and each will receive a \$50.00 gift card.

#2 Moved by Stephanie Sitkowski AND CARRIED that the winners of the 2022 Earth Day Writing Contest are:

- 1) Aleah Hoy is the Grade 4 winner of a \$50.00 gift card,
- 2) Griffin Stepp is the Grade 5 winner of a \$50.00 gift card, and
- 3) Rolland Schaaf is the Grade 6 winner of a \$50.00 gift card.

2.5 Keep Our Lake Blue

2.5.1 Blue-Green Algae Brochure Draft

The E&O Coordinator reviewed the draft brochure with the Committee. The focus of the brochure is to inform the community as to the causes of external loading and how this can contribute to blue-green algae blooms. The content presented was supported by the Committee and the Coordinator will finalize the brochure this month.

There was some discussion concerning expanding the KOLB program to other watershed stewardships groups in the future, this is already being done with Healthy Waters Lac La Biche. A Committee member applauded this approach indicating that collaboration was key to passing down information.

2.6 Annual General Meeting

2.6.1 Topics and Speakers

The E&O Coordinator opened the floor to the Committee for their suggestions regarding topics and speakers for the LICA 2022 Annual General Meeting. The topics and speaker suggestions will be brought forward to the Board of Directors at their June 23 meeting. Results of the Brainstorming can be found [here](#).

2.7 National Day for Truth and Reconciliation

The E&O Coordinator felt that LICA should actively recognize the National Day for Truth and Reconciliation on September 30. She suggested that LICA could bring in a guest speaker or collaborate with another organization on this day. LICA's Chairperson agreed, indicating that LICA could partner with the Bonnyville Native Friendship Centre on an event with LICA covering the cost of a LICA staff's wages. The Committee agreed with the Chairperson's suggestion. The E&O Coordinator encouraged Committee members to attend a community event to recognize and respect the day.

3.0 ACTION LIST

3.1 Follow-up on Action List

3.1.1 [March 17, 2022](#)

The Committee reviewed the E&O Action List from the March 17, 2022, meeting noting:

- The Fan Favorite Facebook event and Promo Cookbook have been delayed to September 2022.
- The man-gate installation is in-progress.
- Winter Workshops will be planned in the Fall of 2022.

4.0 UPCOMING MEETING DATES

4.1 Board Meeting – June 23, 2022

4.2 Next Meeting – TBD

5.0 ADJOURNMENT

Meeting was concluded at 2:59 p.m. but there was no motion to adjourn due to a lack of quorum.

Approved on: _____
Date

Signature



Lakeland Industry and Community Association
Box 8237, 5107W - 50 Street, Bonnyville, AB T9N 2J5
780 812-2182 780 812-2186 www.lica.ca

LICA Education & Outreach Update September 8, 2022

Program Updates – 2022/2023

People Reached	Water School Programs	Youth & Summer	X-Stream Science	Community Events	LICA Workshops / Events	Little Green Thumbs	CARS	Air School Programs	Stream of Dreams	Contests
1510	25	13	3	6	10	0	0	0	2	2

Recent Events

- June 17: Garden Volunteer Day
- June 23: Companion Planting workshop at Cold Lake Library-South
- July 5, 12, 19: Summer camp programs at Kiev's Ki Hi
- July 7, 14, 21, 28: Summer camp programs at FASD Summer Camp
- July 12, 13: Summer camp programs at the Military Family Resource Centre
- July 16: Tabling at Parks Day, Cold Lake Provincial Park
- July 18: Wildlife Discovery at St Paul Family Resource Network
- July 21: Vermicompost Workshop at the Community Garden
- July 23: Garden Volunteer Day
- August 3 – 8: Vacation
- August 9, 10: Summer camp programs at the Military Family Resource Centre
- August 11: Summer camp program at Elk Point Library

Contests

- The 2023 Calendar Contest advertising poster was re-disseminated to schools on September 1. LICA will accept entries until October 14, 2022, and Board members will select winners at the October Board Meeting.
- The Photo Contest deadline for entry was August 25, 2022. We received 75 photo contest entries from 29 participants.

Stream of Dreams

- Stream of Dreams applications have been re-disseminated to schools on September 1. The E&O Committee will select schools for Spring 2023 programs at the November E&O meeting.
- A planned update of our Stream of Dreams program guide was completed. This is an internal document that outlines the SOD program and aids in planning.

Miscellaneous

- I provided several pages of content for the annual report and spent time creating advertising, the program, and searching for a Keynote Speaker for the AGM.
- The Summer Student's last day was July 29. Thanks to Calista for all her help!
- I did a planned update of the classroom presentations for content and design improvements.
- I continue to sit on the WPAC Educational Videos For All committee. The first video has been approved and is in production, and the remaining four videos are well into the script and storyboarding process.

Social Media

Platform	Likes	Followers	Total Reach	Engagement	Page Views
Facebook	719	877	28,031	1,234	216
Instagram	-	524	263	54	55
		Subscribers	Reach	Watch Time (hours)	Video Views
YouTube		7	155	0.9	60

- This table shows our social media numbers from June 1 to August 31.
 - Likes: The number of people that 'Like' our Facebook page.
 - Followers: The number of people that 'Follow' our page.
 - Reach: The number of unique users who saw any content from our page or about our page.
 - Organic reach: content seen through unpaid distribution.
 - Paid reach: content seen through paid distribution, like an advertisement or boosted post.
 - Total reach: organic + paid reach
 - Engagement: The number of unique users who interacted with our content (clicks, likes, comments, shares, etc.)
 - Page Views: The number of people that visited our page.

Upcoming Events

- September 12-14: Vacation
- September 15: X-Stream Science with Ecole des Beaux Lacs
- September 17: Shoreline Cleanup at Sandy Beach, Cold Lake
- September 20: Emergency First Aid training
- September 22: Board Meeting
- September 27: Vermicomposting at North Star Elementary
- September 28: Vermicompost at Bonnyville Municipal Library
- September 30: Stream of Dreams applications due
- October 5: Wastewater presentations at North Star Elementary
- October 6: Annual General Meeting
- October 19: Vermicomposting Workshop with Lac La Biche County
- October 20: LICA Organizational Meeting
- October 21: Calendar Contest submission deadline
- October 24: Presentation at NLSD Professional Development Day

PHASE TWO BUDGET - BONNYVILLE COMMUNITY GARDEN & COMPOST BUDGET

Expense Name	Funding Source	In-Kind Contributions	Budgeted Expense	Expenses to Date	Details	Revenue Sources
Lumber and hardware	AEG		\$ 3,000.00	\$ 2,948.99	Quotes sought from Lakeland Co-op (\$2221.80), Vincent Building Supplies (\$1890) and Home Hardware Cold Lake (\$1753.92).	AEG - \$12,894
Water Tanks	AEG	\$ 10,000.00	\$ 1,000.00	\$ 948.94	1 500 gallon horizontal leg water tank @ \$839.99 each + tank fitting for hose + tax. In-kind donation of two tank stands from Precision Machining	WPAC - \$6,430
Fencing & Gates	AEG (\$7,821.50) / WPAC (\$4,369)/TC Energy (\$800)		\$ 12,500.00	\$12,375.00	2 gates and 520 ft of chain link fencing to surround perimeter	Industry and Memberships - \$705.75
Benches and tables	CIP Grant		\$ 5,200.00	\$ 5,187.45	Purchased from Uline	CIP - \$18,000
Fruit trees, berry bushes and perennials		\$ 200.00	\$ 2,000.00	\$ 1,531.40	From local nurseries and greenhouses	TC Energy - \$15,000
Gazebo and concrete pad	WPAC (\$2,061) / Industry / CIP / TC Energy (\$5,169.57)		\$ 26,000.00	\$24,701.26	Quotes from Dr. Reno, local contractor	
Tools	LICA		\$ 1,100.00	\$ 1,044.77	Shovels, hand tools, rakes, hoes, shears, bamboo poles, etc.	
Soil and landscaping fabric	AEG	\$ 300.00	\$ 1,250.00	\$ 1,170.00	60 cubic yds x \$15.00 (Rockslide). In-kind donation for moving soil (Drake Contracting) - 2 hours of heavy equipment with operator.	
Water Distribution	LICA		\$ 200.00	\$ 191.97	3 100' hoses @ \$50, 1 hose nozzle @ \$15, 3 watering can @ \$11	
Construction	Community volunteers	\$ 5,297.50			Estimate of construction costs of the entire project from a local contractor - \$37 000. In-kind contributions for donated time are included.	
Rules Sign	CIP Grant		\$ 500.00	\$ 245.00		
Total Expenses		\$ 15,797.50	\$ 52,750.00	\$50,344.78		\$ 53,029.75



Lakeland Industry and Community Association

Box 8237, 5107W - 50 Street, Bonnyville, AB T9N 2J5

780 812-2182 780 812-2186 www.lica.ca

Proposal: Cameras at Bonnyville Community Garden

September 8, 2022, LICA Education and Outreach Committee Meeting

Recommendation: That LICA investigate the opportunity to install cameras at the Bonnyville Community Garden.

Background

The Bonnyville Community Garden and Compost (BCGC) is a project initiated by LICA in 2020. The garden hosts 41 raised garden beds of different sizes, a large gazebo, picnic tables and benches, and amenities for garden members to care for their plots. Alongside garden members growing their own food, the garden has eight beds designated to grow food for the Bonnyville Friendship Centre, planted with donations from Baby Cherry Greenhouse and West Coast Seeds.

Both in the first season (2021) and this season (2022), garden members have communicated that their ripe produce is going missing before they have a chance to harvest it. Last year, LICA installed a 5-ft chain link fence to provide some security for the garden and to delineate the space being used for the garden. The gates can be locked with padlocks. LICA installed a permanent sign in June at the main garden gate with the rules spelled out, including one that specifically asks individuals not to pick produce that they didn't grow. In response to increased theft, LICA has also added additional signs on the gates specifically to deter thieves.

LICA is working to strike a balance between keeping the garden open for community use and making sure our garden members feel secure and are able to reap the benefits of working their plot. Garden members, staff and other community people have expressed different perspectives on what we should do to keep our garden secure:

- Some members feel that we should keep the gates locked at all times and only allow confirmed garden members to use the space.
- Some members feel gates should only be open during LICA business hours and locked at all other times.

- Some members feel that we should invest in cameras to gather evidence about who is stealing produce.
- Some members feel that it is inevitable that some produce will be stolen and view it as a consequence of public gardening.

There are benefits and drawbacks of each perspective. In the initiation of this project, LICA envisioned the community garden space being open for all to use, even if they did not rent a plot. Leaving the gates closed except to gardeners contradicts the original intention. Leaving the gates open during business hours only allows staff to keep an eye on the space, however this means that Friday-Monday, the garden would be locked to community members, which again means the space is closed during the weekend when we are likely to see more community use. Leaving the garden gates open at all times and forewarning gardeners that their produce may be stolen may turn otherwise interested garden members away as they do not feel that the work they put into their plot is secured.

Proposal

Investing in security cameras would be a compromise between keeping the garden open to the community and making sure garden members feel secure using the space. LICA already uses security cameras at the air monitoring stations to ensure the security of our air monitoring equipment.

The BCGC does not have electricity or wi-fi. This means that we will require battery or solar powered camera, as well as a camera with a data plan. The garden site is approximately 1500 m², so we would need three to four cameras to ensure full coverage of the site.

Budget

One camera that meets these requirements is the [Reolink Go Plus](#). This camera can be installed anywhere and can be equipped with a solar panel to ensure power is supplied to the camera. The camera records video to the cloud through a data connection, so wi-fi is not required.

Using the Reolink Go Plus as an example, an approximate budget for cameras for one season is as follows:

Item	Quantity	Cost (each)	Total (with tax)
Cameras	3	309.99	974.47
Camera mounts	3	13.99	44.07
Solar panels	3	39.99	125.97
Data connection (per month)	5 months	120	630
Total			1174.51

Staff time would also be needed to review the camera footage and perform any tech support needed on the cameras over the garden season. This is expected to take 2-3 hours each week of the gardening season (late May – September).

The LICA Garden Cookbook

From Harvest To Table



*Learn how to use what you grow, live sustainably,
and eat well*



LICA
ENVIRONMENTAL STEWARDS

Bonnyville Community Garden and Compost

The Bonnyville Community Garden and Compost (BCGC) is an outreach project initiated by LICA to provide our community with fresh and nutritious food and to encourage sustainable living. Our garden provides 41 raised garden beds for individuals to rent each growing season, as well as a shed, water tanks, picnic tables, benches, shade trees, berry bushes and a large gazebo for all community members benefit.



About LICA

LICA is a community-based not-for-profit association that is a Synergy Group, the Watershed Planning and Advisory Council (WPAC) for the Beaver River Watershed, and an Airshed Zone. LICA focuses on environmental monitoring, environmental management, and community education and outreach.



Scan me with your camera app to learn more about LICA, or check us out at the social media handles below!



@infoLICAonline



@infoLICA



LICA
ENVIRONMENTAL STEWARDS

Contact Us

Office: 5107-W 50 St, Bonnyville, AB
Phone: 780-812-2182
Email: lica2@lica.ca

What Can I Do?

Reduce Impermeable Surfaces

Impermeable surfaces don't allow water to soak into the ground. Instead, this water runs off of the surface, carrying phosphorus into our waterbodies, along with salt, sediment, and chemicals like pesticides and herbicides. Areas of your property that are impermeable may include:

- Rooftops
- Driveways and parking lots
- Patios, walkways and pavers
- Pools and sporting areas, like a tennis court

Layered Landscapes

Lawns absorb less rainfall than natural areas that have multiple layers of vegetation like tall trees, short trees and shrubs, and groundcover. Adding layers of vegetation helps reduce runoff, and the plants help filter pollutants out of the water.

Native Species

Riparian plants that thrive near water attract wildlife, protect the shoreline, and are the "glue" that bind the shoreline together. Species like sedges, willows, cattails and rushes are critical for stabilizing the shoreline and absorbing excess nutrients. Leave them in place and let them work to clean the lake!

**The more natural you keep your property,
the healthier your lake will be.**

Support our work by becoming an Environmental Steward!

- LICA membership is FREE for individuals
- Corporate and municipal memberships are also available!



SCAN ME FOR MORE INFORMATION!



LICA
ENVIRONMENTAL STEWARDS

Contact Us

Office: 5107-W 50 St, Bonnyville, AB
Phone: 780-812-2182
Email: lica2@lica.ca



@infoLICAonline



@infoLICA

What is **BLUE-GREEN ALGAE?**



LICA
ENVIRONMENTAL STEWARDS



Blue-green algae are tiny organisms found in freshwater lakes, streams and creeks all over the world. Blue-green algae is natural and common on Alberta lakes.

Despite being called algae, these organisms are actually bacteria (cyanobacteria). When conditions are right (lots of sunlight, warm temperature, extra nutrients), they can rapidly reproduce. Within a few days, a "clear" lake, pond, ditch, or dug-out can become cloudy with algae growth. This is called a bloom. Blue-green blooms usually float to the surface and can be several inches thick near the shoreline.

A blue-green algae bloom:

- Often looks like green paint, scum, grass clippings, fuzz, or globs floating on the water
- Usually appears bright green, but may also appear blueish, greenish-brown, brown and/or reddish-pink.
- Is most common in the summer and fall, but can occur anytime if conditions are suitable.

Toxic Algae Blooms

What is a Toxic Bloom?

Some blue-green algae produce toxins. Eventually, the toxins break down in the water and are destroyed naturally. Ingesting algae while they are still producing toxins can cause serious illness, particularly in children and the elderly. Residential drinking water taken from a lake with toxic blooms may be affected.

Signs of a Toxic Bloom:

- Large numbers of dead fish, waterfowl, or other animals.
- Sudden, unexplained sickness or death of a cat or dog, especially if it has algae on its mouth, legs, or feet.
- Skin rashes, irritation, sore throat, and sore, red eyes on humans after being in the water
- AHS bloom advisory notices posted around the lake and online



Blue-Green Algae Bloom Advisory

Phosphorus Feeds Algae



While blue-green algae are technically bacteria, they function like plants. Blue-green algae eats nutrients like phosphorus and photosynthesizes like plants do.

Items like detergents, fertilizer, manure, human waste, and decaying plants are all sources of phosphorus. When excess phosphorus enters the lake, it results in increased growth of algae. When mats of algae die, they sink to the bottom of the lake and decay, creating low-oxygen conditions that are detrimental to fish and other aquatic organisms. The decay process is also what causes the sulphurous 'rotten eggs' smell from lakes affected by algae.

Reducing the amount of phosphorus that enters the lake from your property will help control blue-green algae blooms on our local lakes, creeks and streams.

[Meeting of the Education & Outreach Committee]

Date: June 16, 2022

Recorder: Tina Johnson

ACTION LIST

<u>Task</u>	Person assigned to task	Date to be complete	Y/N
2.8.1 <u>Earth Day Writing Contest</u>			
<ul style="list-style-type: none"> Notify contest winners and distribute their \$50 gift cards 	Rachel	Spring 2022	Y
3.1.1 <u>Follow-up on Action List</u>			
2.3 <u>Blue-Green Algae/Alum Workshop</u>			
<ul style="list-style-type: none"> Create a graphic poster board educating the community regarding blue-green algae and how their actions impact blooms; post these at Bonnyville Centennial Centre and Shaw House 	Rachel	Spring 2022	IP
2.5 <u>2022 Photography Contest</u>			
<ul style="list-style-type: none"> Organize a Facebook vote for a Fan Favorite 	Rachel	September 2022	IP
2.6.3 <u>Fall Harvest</u>			
<ul style="list-style-type: none"> Gather recipes and make a promo cookbook 	Rachel	September 2022	IP
2.6.4 <u>Garden Decoration and Place-Making</u>			
<ul style="list-style-type: none"> Apply for Bonnyville Wellness Coalition healthy living initiatives grant, pending Board approval 	Rachel	Spring 2022	Y
3.6.1 <u>Phase 2 Construction Update</u>			
<ul style="list-style-type: none"> Add man gate to fence on Wholesale side 	Rachel	Spring 2022	Y
<ul style="list-style-type: none"> Construct cement pad and gazebo 	Rachel	Spring 2022	Y
<ul style="list-style-type: none"> Purchase and install benches, tables, bushes, & trees in the garden 	Rachel	Summer 2022	IP
3.8 <u>Winter Workshop Topics</u>			
<ul style="list-style-type: none"> Host at least 2 Wetland Policy Basics workshops 	Rachel	Fall 2022	IP
<ul style="list-style-type: none"> Organize a Facebook vote for a Fan Favorite 	Rachel	September 2022	IP

Next Meeting: TBD