



2019
Fall
Newsletter



LICA
ENVIRONMENTAL STEWARDS

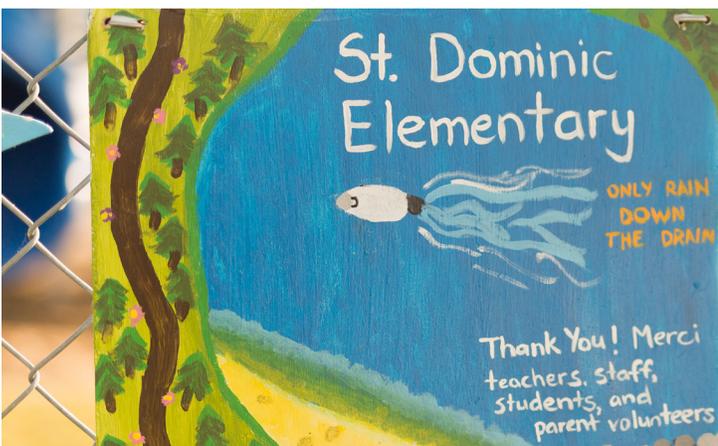
SCHOOL PROGRAMS

Stream of Dreams

LICA was excited to complete its third Stream of Dreams program in September! Cold Lake residents will notice a beautiful fish mural installed on the fence of St. Dominic Elementary School, overlooking the lake. LICA has installed similar murals at Notre Dame Elementary School and Duclos Elementary School in Bonnyville.

Stream of Dreams is an eco-education program that helps students discover their local watershed, learn about human impacts to water bodies, and become stewards for all aquatic creatures. Each class at St. Dominic Elementary School took part in a presentation to learn about their local watershed, the importance of clean water, and how we are all connected to fish habitats. Students then painted Dream Fish that were mounted on the school fence to create a flowing mural of 235 fish. This lasting community art legacy reminds everyone to do their part to help protect our watershed.

LICA is looking forward to delivering the Stream of Dreams program to Ardmore School in the spring of 2020.



X-Stream Science

This fall grade 9 students from Cold Lake High School and grade 7 students from Aurora Middle School completed field work and sampled water in creeks and lakes to determine local water quality.



Summer Programs

Libraries

LICA was invited to share a variety of activities with Bonnyville, Elk Point, and Vermilion libraries. Kids aged 4-14 thoroughly enjoyed nature walks, scavenger hunts, critter dipping, riparian health models, and animal pelt identification.

FCSS

LICA joined Cold Lake FCSS to help facilitate two days of their summer programs. The first event was held at the Cold Lake Provincial Park where we led a nature walk and scavenger hunt with trivia for the children to learn about local ecosystems. For the second event, kids engaged in a full day of watershed demonstrations along with an outdoor animal food-chain game and competitions to see who could build the healthiest shoreline model.

Camps

LICA returned to Camp St. Louis this summer to play an animal game, showing how the food web is impacted by the health of the watershed. The animal game consists of each camper being given a role as a squirrel, rabbit, mink, fisher, fox, lynx, or bear with objectives of staying away from predators and finding food and water. Following the excitement from the game, we participated in planting 75 jack pine seedlings to replenish the wind-damaged forest surrounding the camp.

For the first time, LICA was also invited to Camp Shekinah's junior camp week to run an evening activity that let campers build model riverbanks and replicate healthy riparian zones. The new activity was extremely well received with some campers returning the following days to try and participate again!

Mad About Science

LICA was thrilled to once again take part in the Mad About Science program around Lac La Biche County.



LICA Events

Jessie Lake Shoreline Cleanup

Thank you to everyone who came out to help with our Jessie Lake Shoreline Cleanup & Weed Pull this past July. The Town of Bonnyville staff and members of the community worked hard picking up garbage and pulling weeds. Following the cleanup, the Bonnyville Fire Department brought out their BBQ to cook burgers and hot dogs for the volunteers. A big shout out to Town of Bonnyville, the Bonnyville Fire Department, and community members for all of your help and your dedication to environmental stewardship.



Notre Dame High School Shoreline Cleanup

Thank you to the staff and the 475 students of Notre Dame High School that came out to participate in the Great Canadian Shoreline Cleanup around Jessie Lake. In September, students picked up 2887 pieces of garbage, down from 5148 pieces of garbage collected in 2018. The shoreline is getting cleaner, thanks to the help of our community!



Community Events

LICA participated in a variety of community events this summer, including Canada Day and Aqua Days in Cold Lake, Registration Night in Elk Point, and Park Days at Cold Lake Provincial Park and Sir Winston Churchill Provincial Park.



Keep Our Lake Blue

*Taking Action to
Improve Moose Lake's
Water Quality*

This summer, LICA partnered with the Moose Lake Watershed Society to launch a campaign encouraging people to take action to reduce runoff and pollutants, such as phosphorus, from entering Moose Lake.

Residents around Moose Lake were invited to take one new action to reduce runoff and pollutants on their properties. Working together, our cumulative actions can improve the water quality of Moose Lake! Residents who signed up to Keep Our Lake Blue received a lawn sign to display their commitment to clean water (pictured below) and will soon be completing surveys to tell us about the actions that they took. Stay tuned for survey results!



Integrated Watershed Management Plan

LICA is starting the development of our Integrated Watershed Management Plan (IWMP). The IWMP is a guidance document and planning tool for stakeholders within the Beaver River watershed. An IWMP identifies issues within the watershed, setting out to determine common goals and objectives for water management to achieve our desired outcomes.

This three-year project will require input from the public and the dedication of our stakeholders. The IWMP will bring together the necessary stakeholders in our watershed to highlight concerns and potential solutions for our watershed. The IWMP will gather representation from industry, indigenous communities, various levels of government and the public, allowing for a diverse insight and support when it comes to priorities in the Beaver River Watershed.

One of the first steps of the IWMP is to host forums across the watershed

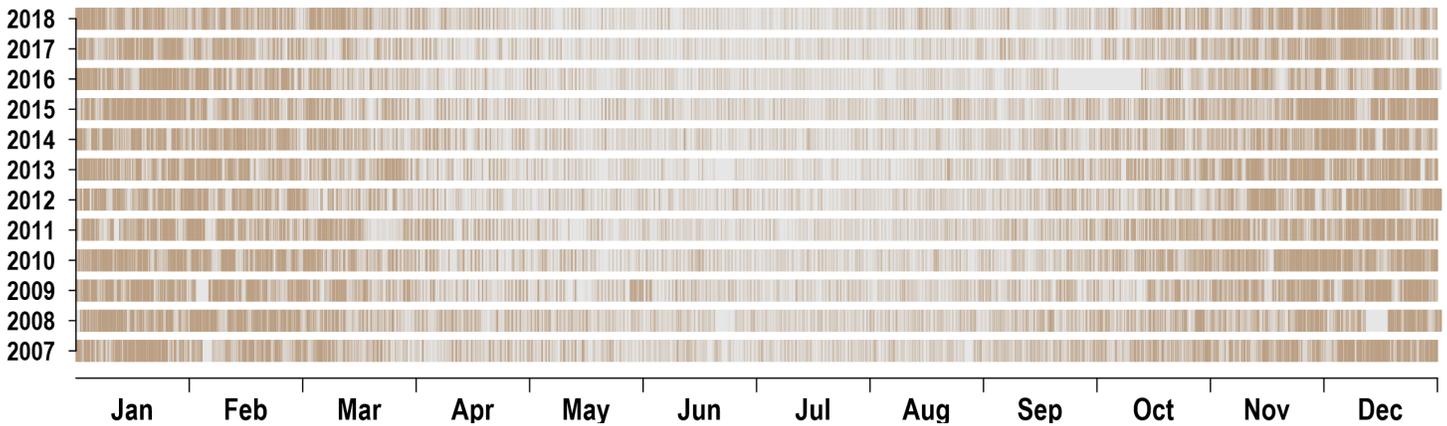
to gather input from the public, identifying the main concerns within the Beaver River Watershed. Be on the lookout for these forums later this year if you wish to contribute to the IWMP. If you are unable to attend the forums, LICA will also be releasing an online survey to gather intel as well. The health of our watershed is a shared responsibility and we hope to receive your feedback on ways we could collectively improve the health of our watershed.

The IWMP helps to protect, restore, and conserve our watershed while supporting our community's environmental, social, and

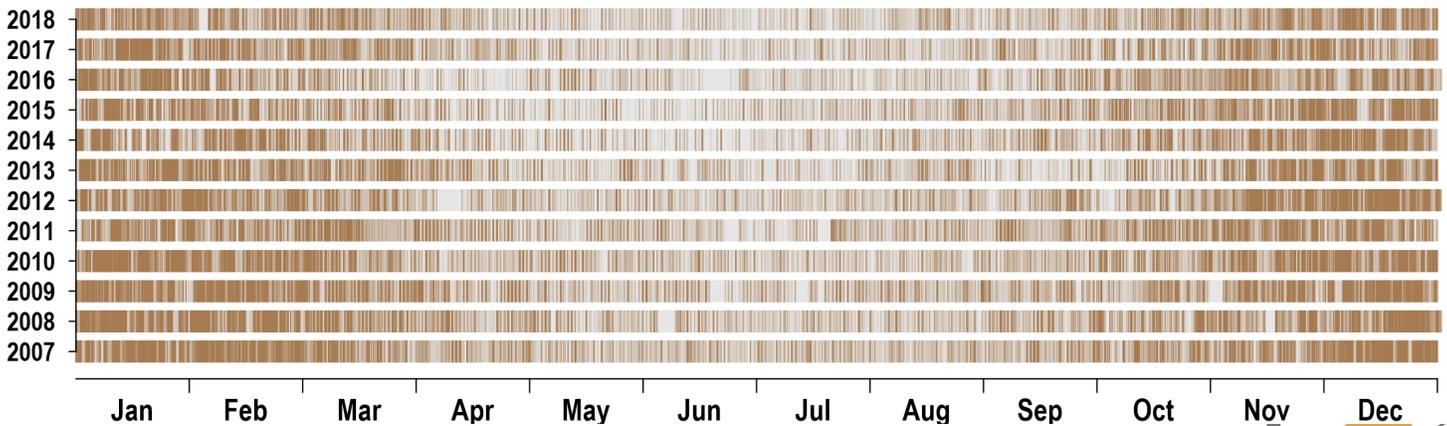
economic values. LICA will guide partnerships to form desired outcomes and actions for our watershed, encouraging greater responsibility and innovation. To stay in the know, follow us on Facebook @infoLICAonline



Red Deer

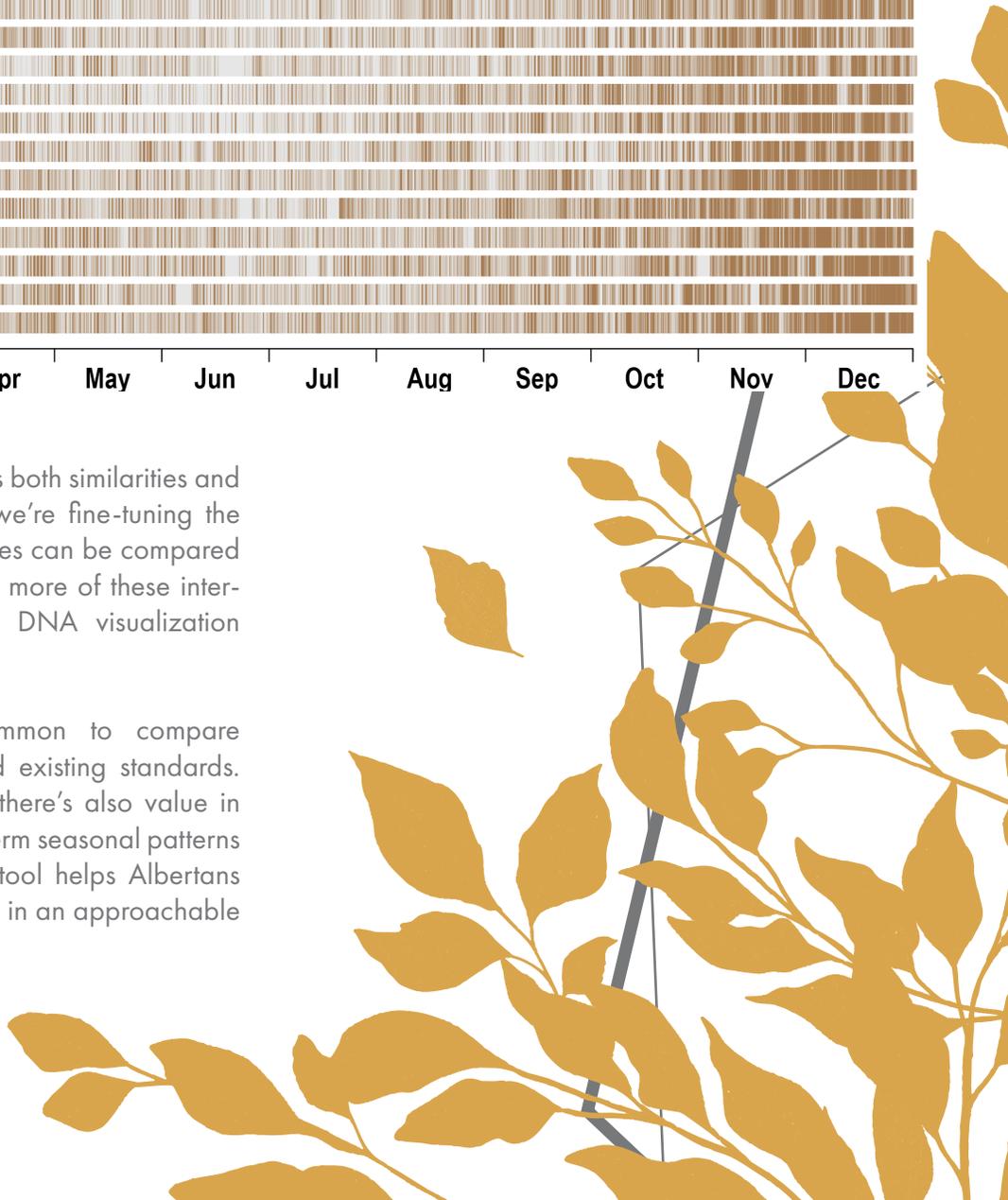


Edmonton South



Just like each human being's DNA has both similarities and differences from person to person, we're fine-tuning the presentation so that each site's nuances can be compared in the visualization. Look forward to more of these inter-city and inter-regional Air Quality DNA visualization comparisons in the months to come!

With environmental data, it's common to compare results against measured values and existing standards. While this comparison is important, there's also value in understanding year-over-year long-term seasonal patterns and trends. Our DNA visualization tool helps Albertans understand their province's air quality in an approachable and engaging way.



Upcoming Events

October 9: Annual General Meeting
– LICA’s AGM will be held at 6pm at the Bonnyville and District Centennial Centre

October 23: Vermicomposting workshop in Lac la Biche from 6-8pm at McArthur Park

November 17-24: Trout Unlimited Canada is offering Stream Rehabilitation Training Course Workshops. Visit <https://tucanada.org/stream-rehabilitation-from-form-to-function-a-training-course/> for details.

November 14: Alberta Environment and Parks will be hosting a workshop on groundwater at the LICA office. More details to come!

LICA continues to present for schools and youth programs in our area. If you wish to invite LICA to an event or program, please contact outreach@lica.ca

outreach@lica.ca
(780) 812-2182
lica.ca



@infoLICA



LICA
ENVIRONMENTAL STEWARDS

Thank you for your support!

Alberta Environment and Parks