



Oct/Nov/Dec
2022

Alouette River Management Society Presents...



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Follow us on Social Media!



Tis' the season of giving, and all through December,

ARMS is asking you to donate to the Rivers Heritage Center!

As we wrap up the year we would like to take the opportunity to thank you for your continued support of the Alouette River Management Society. We have had another very successful year in 2022. We look forward to the New Year with many exciting projects and activities planned and the celebration of ARMS 30th birthday!



Please note ARMS office will be closed for the holidays from Dec 21st to January 2nd, ARMS staff will return on January 3rd 2023.

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Sponsoring future generations!

This fall, ARMS was excited to add a new name to the donor wall in the Rivers Heritage Centre after receiving a generous donation of \$2500 from a local Maple Ridge resident. *"It's simple, we need to protect the Alouette Watershed for future generations"* said Les Jourdain, ARMS newest Chinook Gold Sponsor.

"We are very thankful for community members who see the value in the work we do and are able to donate, volunteer their time or share ARMS message. Organizations like ARMS wouldn't be able to do this work without community support" said Sophie Sparrow, ARMS Communications & Engagement Manager.

#GivingTuesday a Global Campaign



GOAL
\$5000

GIVING TUESDAY Nov 29

Thank you!!!

DONATIONS
\$5525

Together we can make a difference

ARMS took part in the global day of giving to support our mission to sustain and enhance the integrity of the Alouette Watershed through advocacy, education, collaboration and stewardship using science based decision-making. #GivingTuesday furthered that mission! Thank you, thank you, thank you! We are so grateful for your support on [#GivingTuesday](#). Because of generous donors like you, we surpassed our goal, reaching \$5,525 which will help support our activities planned for 2023. Thank you for helping us make a difference!

Environmental Education

ARMS staff were welcomed into classrooms this Fall furthering our goal of developing and delivering educational experiences. We facilitated 22 classroom workshops, 8 pre-school workshops, and, 2 Watershed Education Tours at ALLCO Park. Classroom workshops offered were Night Creatures, Scales and Tales, Forest Explorers and Wild Water Cycles, allowing students the opportunity to learn about nocturnal animals, salmon species, food webs, and the water cycle. Students participated in a number of activities including games, crafts, salmon dissections, and egg takes. Teachers regularly noted that their students were very engaged during the presentations, and enjoyed the crafts as evident by many children showing off their salmon hats. A teacher from School District 42 said "The presenter was very knowledgeable, she had lots of interesting facts about salmon. The kids loved when she dissected the salmon puppet."

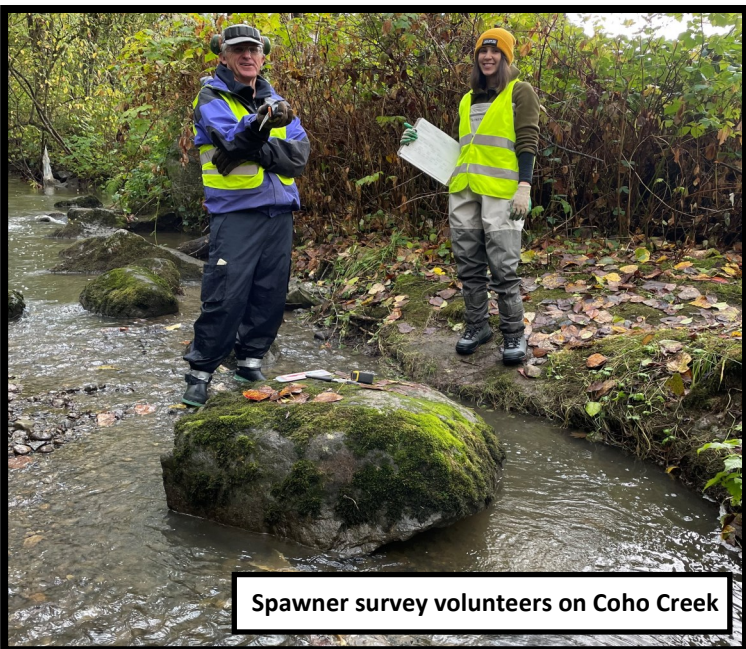
Spring Education: Bookings for Spring 2023 have already begun. Workshops will be offered on Tuesdays, Thursdays and Fridays. We are offering both in class and on-site field trips for classes of all ages. Please email Layla at education@alouetteriver.org for inquiries. For details on all of the classes offered visit our website:

Field trips: <https://alouetteriver.org/field-trips>

Classroom Programs: <https://alouetteriver.org/school-programs>



Chinook, Chum, Coho... oh my!



Spawner survey volunteers on Coho Creek

ARMS coordinated spawner surveys for the fourteenth year running in the same four tributaries within the Alouette Watershed. Spawner surveys provide information about the number of adult salmonids that reach the spawning grounds, and the proportion that spawn successfully. Fisheries managers use the term escapement to describe the number of fish that escape the various fisheries. These tributaries include Coho Creek, Latimer Channel, Millionaire Creek, and the North Alouette River. Seventeen trained volunteers surveyed the tributaries for three months using the provided spawner survey kits. *"It has been a great opportunity to learn and volunteer with a great group of people"* one volunteer said, *"We have learned a lot over the past few months about identifying male and female chum."*



Fish Passage Feasibility Project

The Alouette River Management Society has been working for many years with BC Hydro, Ministry of Environment and Climate Change Strategy, Fisheries and Oceans Canada, and most recently with Leq'á:mel First Nation, and environmental consultants to develop a full salmonid restoration plan for the Alouette River. This includes determining the feasibility of fish passage on the Alouette Dam. Many people ask us "Why isn't there a fish ladder on the Alouette Dam already?" and "Isn't it a way overdue to have a fish ladder on the dam?" and the short answer is "It's complicated." First, BC Hydro own the dam so ARMS would need their permission to put any structure on it, secondly the type of structure that would go on or around the dam for a fishway would have to be approved by BC Hydro engineers and dam safety. Thirdly, a fish passage will cost a lot of money so ARMS has to build a business case that can go to BC Hydro Board of Directors for their consideration. To get to that point takes a lot of behind the scenes work by ARMS, BC Corrections ALLCO Hatchery staff, LGL environmental and our fellow committee members on the Alouette River Salmonid Restoration Program.

Since 2008, ARMS has been monitoring the return of the adult Sockeye salmon that return to the ALLCO fish fence. Each year ARMS and hatchery staff, trap, measure, sample and release the Sockeye into the Alouette Reservoir. These Sockeye get trucked up to the reservoir via a specialised tank trailer system. It makes for a very bumpy ride for these very delicate fish. These Sockeye salmon are one of only six known deep-water spawning species of Sockeye in the world ([Hiebert, 2019](#)). The Alouette Sockeye need the upper watershed to complete their lifecycle, provide the next generation of Sockeye, and to give their bodies back to nurture the lake. To learn more about this project and the work ARMS is doing to bring Sockeye back home, click here: [Alouette fish passage](#)

Alouette River Management Society gratefully acknowledges the financial support of the Fish and Wildlife Compensation Program for its contribution to the Alouette Watershed Sockeye-Fish Passage Feasibility-Year 5 and Year 6. www.fwcp.ca



Fish Passage Feasibility Project Committee Meeting



ARMS staff sampling sockeye

FALL'ing in love with Morse Creek

With immense support from volunteers in our community, ARMS hosted several activities alongside Morse Creek at Reg Franklin Park this fall. These activities included a community art activity, two streamside cleanups, and three native species planting and invasive species pulling sessions.

September 28th, nine dedicated community members participated in a streamside cleanup with the Maple Ridge Adopt-a-Block Program. Eight garbage bags full of litter were collected.

October 15th saw 48 community members join forces with the Lower Mainland Green Teams to remove over 30 cubic meters or 195 bathtubs of Himalayan blackberry! Participants also planted 50 native shrubs to the newly cleared spaces.

October 19th ARMS teamed up with Eric Langton Elementary students who planted 80 native species over three sessions ranging from kindergarten to grade 7, totaling in 130 students!

October 21st seven extremely motivated community members focused on removing the root crown of the remaining Himalayan blackberry. Approximately five cubic meters or 33 bathtubs of invasive species were removed.

November 2nd launched the first in a series of four community art activities, where Maple Ridge Artist-in-Residence, Aaron Moran, led nature-based art construction. 21 community members participated in leaf murals woven into the park fence.

November 9th was a streamside cleanup where 42 community members saw to the removal of five full garbage bags of litter from Reg Franklin Park. A huge thank you to the Maple Ridge Lions Club who provided a BBQ for all the hard-working volunteers!

In total, the Fall 2022 volunteer contribution was 421 hours. A huge thank you to everyone who participated in these activities, as well as EcoAction Canada, the Pacific Salmon Foundation, and the Stewart Family Foundation for the generous financial support provided for this project. If you would like to become involved with these activities or have any questions, please contact Marissa at watershed@alouetteriver.org. We will see you in 2023 to continue restoring the riparian area to improve the freshwater quality of Morse Creek!

This project was undertaken with the financial support of:
Ce projet a été réalisé avec l'appui financier de :



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



The Stewart Family
FOUNDATION



PACIFIC SALMON
FOUNDATION

Making a positive impact on people, animal welfare and the environment



Invasive Species Removal



Adopt-a-Block event



Fresh Water ARTways event



Maple Ridge Lions Club BBQ



Why it's important to become a member of ARMS



Education & Outreach



Rivers Heritage Centre



Adopt-a-Programs



Environmental Stewardship

In order to continue to receive crucial operational funding to keep the organization running, ARMS need to increase our membership. Funders often ask about membership capacity, and this is where you can help. ARMS' vision for the Alouette Watershed is for a resilient ecosystem rich in biodiversity, culture, and recreation. ARMS' mission is to sustain and enhance the integrity of the Alouette Watershed through advocacy, education, collaboration, and stewardship using science-based decision-making.

Grants such as 'BC Community Gaming' consider an organization's membership base as one criteria for eligibility. Grants are very important to ARMS financial sustainability. ARMS applies regularly for grants but most of the time these only cover specific items such as hiring experts to assist in salmonid habitat enhancement or purchasing trees to plant. "Very few organizations will fund operational costs or investment as I like to think of it," said Greta Borick-Cunningham, Executive Director. "Members are important for ARMS to succeed not only in all the volunteer opportunities we can provide as part of our mission but also to our long-term financial stability." Join others who care about their local rivers, streams and surrounding environment.

Join our community! Support ARMS & [become a member today](#)

Annual Membership Types:

\$10 - 1 year membership

\$25 - 3 year membership

\$75 - Lifetime membership

Appreciate where you are! Restore what we have left! Motivate others to join you! Stand up and make a difference!



Become a Sponsoring Partner

The Alouette River Management Society is a small grass-roots group working actively to protect the environment and educate our citizens about the importance of the Alouette Watershed. We can only do this with long-term sustainable funding to staff and build our capacity. While project grants are great, they very often do not provide for staff wages, administrative costs and running the organization all of which are essential to do the work we do. Six levels of sponsorship are available. Please consider supporting local environmental initiatives by sponsoring the Alouette River Management Society. We are a registered charitable non-profit organization and all donations are tax deductible.

Be an Event Sponsor: Choose from an ARMS event such as the Father's Day Fish Release, Annual ALLCO Fish Hatchery Tour or the OWLES (owls, wildlife and endangered species) Community Workshop (\$500/event)

Sponsor Projects: Annual projects include Alouette River Butterfly Gardens and Pollinators, Overwintering Coho Fry Habitat Monitoring, Interpretive Signage and Fish Passage Advocacy (\$1000/project).

Sponsor Education Programming: Spring break and Summer Eco-Camps for kids (\$1000/camp). In-class workshops as well as on location tours (\$100/workshop).

Support Operations: Sponsorships are needed for the essential operations of the Rivers Heritage Center, ARMS headquarters, community space and interpretative centre. **Take out a Sponsoring Membership!**

Alouette River Management Society Sponsorship Levels Corporate, Business, Family & Individual

- ◆ Event Banner
- ◆ Acknowledgement in annual report to municipalities
- ◆ Maple Ridge Newspaper Acknowledgement
- ◆ Logo & name on brochure
- ◆ Website home page
- ◆ Social media recognition post
- ◆ Donor wall on site location
- ◆ Certificate of recognition
- ◆ Recognition in ARMS newsletter
- ◆ Website sponsor page
- ◆ Logo & name on ARMS t-shirts

SUPER SALMON

\$10,000 +

- ◆ Maple Ridge Newspaper acknowledgement
- ◆ Website home page
- ◆ Social media recognition post
- ◆ Donor wall on site location
- ◆ Certificate of recognition
- ◆ Recognition in ARMS newsletter
- ◆ Website sponsor page
- ◆ Logo on ARMS t-shirts

SOCKEYE PLATINUM

\$5,000 +

- ◆ Recognition in ARMS newsletter
- ◆ Social media recognition post
- ◆ Donor wall on site location
- ◆ Certificate of recognition
- ◆ Website sponsor page

CHINOOK GOLD

\$2,500 +

- ◆ Social media recognition post
- ◆ Donor wall on site location
- ◆ Certificate of recognition
- ◆ Website sponsor page

COHO SILVER

\$1,000 +

- ◆ Donor wall on site location
- ◆ Certificate of recognition
- ◆ Website sponsor page

CHUM BRONZE

\$500 +

- ◆ Certificate of recognition
- ◆ Website sponsor page

PINK PARTNERS

\$250 +

ARMS in 100 Words:

The Alouette River Management Society (ARMS) is dedicated to proactively protecting and improving the Alouette Watershed and surrounding areas by creating a healthy environment connecting parks, trail systems, public centers and waterways.

Volunteer supported, ARMS is involved in watershed inventory and monitoring, habitat restoration, public awareness and adopt-a-stream, liaising with all levels of government and private land owners, and working towards the protection of aquatic habitat.

ARMS offers environmental education programs including fieldtrips, classroom and habitat programs, and day camps.

ARMS is currently advocating for a fish ladder over the Alouette Dam, reconnecting the river and lake since 1928.



Check out our website: www.alouetteriver.org



/Alouetterivermanagementsociety



@alouetteriverms



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