



# Alouette River Management Society (ARMS)

## 2020 Annual Report on Activities

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Alouette River Management Society

24959 Alouette Road

Maple Ridge, BC. V4R 1R8

February 4, 2021

Thanks to the Province of British Columbia for continuing to support the environmental work we do in the Alouette Watershed. BC Community Gaming Grant funds are used to deliver our programs including Education, Rivers Heritage Centre, Stewardship and Adopt-a-Block.

The Alouette River Management Society reserves the right to all photographs with exception of Maple Ridge News articles, John Dale, Deb Paddon and Wild and Wonderful Daycare. For any communications enquiries, please contact Sophie Sparrow, [sophie@alouetteriver.org](mailto:sophie@alouetteriver.org)



Jerry Sulina Park, Maple Ridge - January 2021

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# INTRODUCTION

## COVID-19 Pandemic

Like so many other non-profit organizations in B.C. and across the country, the impact of COVID-19 has changed the way in which we work and serve our communities. At the Alouette River Management Society staff worked remotely from mid-March to the beginning of June 2020 of the pandemic and returned to the River Heritage Centre office with new implemented safety protocols from June until the end of September. Starting October, staff implemented a combination work schedule of remote and in-office until the BC Provincial public health orders in early November where we went remote again and cancelled our scheduled workshops and events as social gatherings, other than your immediate household, were no longer allowed.

Thinking outside the box and being creative to come up with alternative ways to connect with the community was challenging and new for everyone. Cancelling our spring break eco-camps was the beginning of the revenue loss for the organization followed by the cancellation of what would have been a record-booking year for spring education tours and in-classroom programs. To compensate for these losses, the organization sought out several Federal government COVID-19 financial subsidies as well as created new virtual fundraising campaigns such as “Adopt-a-Butterfly” which gave children the opportunity to raise butterflies at home – a great way to keep kids occupied and connected to nature during the initial lockdown. As a team at the Alouette River Management Society, we adapted to the new environment we found ourselves in and embraced how we could learn new ways of thinking and operating to come out better and stronger than before.

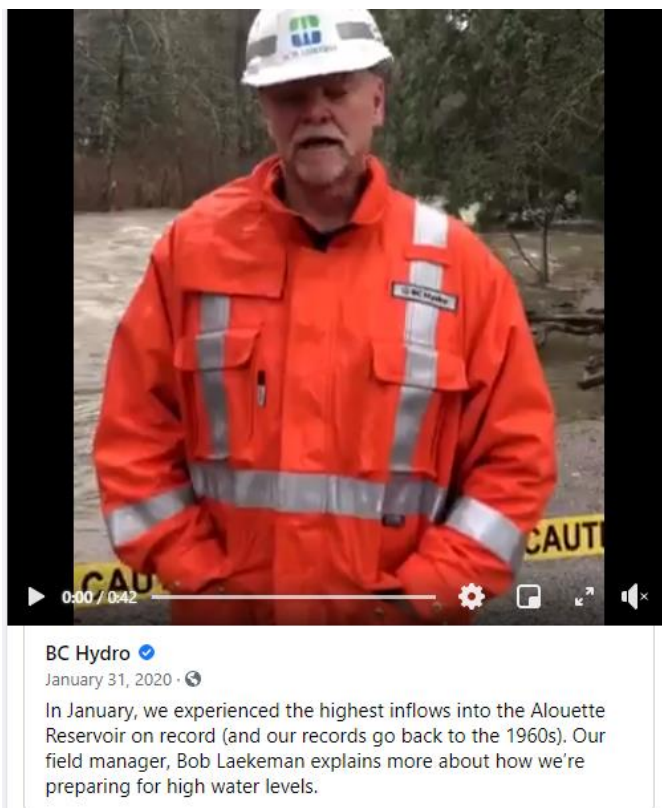


Golden Ears, Maple Ridge – 2020. Courtesy Deb Paddon

## BEFORE COVID-19

### Alouette Reservoir Advocacy and Concerns in 2020

On January 27 there was an Alouette Reservoir controlled spill-gate notice announced on the South Alouette River. Several heavy rainfall systems came through and BC Hydro released water through the spillway gate on January 28. Three days later BC Hydro announced a flood alert where a free crest spill of the Alouette Dam weir was expected and asked the public to take precautions and to stay away from the South Alouette until further notice. *“In January, we experienced the highest inflows into the Alouette Reservoir on record (and our records go back to the 1960s). Our field manager Bob Laekeman explains more about how we are preparing for high water levels.”* as stated by BC Hydro in a Facebook post on Jan 31<sup>st</sup>.



On February 3, the Alouette Reservoir levels dropped below the free crest spill weir and continued to decline through the remainder of the week. As such the flood alert associated with the event was cancelled. The free crest spill lasted from February 1 until February 3. During this period, ARMS kept actively updating the public of BC Hydro's alerts through our social media platforms.





ALLCO Hatchery coho side channel walkway flooded – January 31, 2020



Downstream bank-full and over on the South Alouette River, January 2020.  
Courtesy John Dale

## FROM COVID-19 ONWARDS TO YEAR END

### ARMS Meetings Held Virtually

A quick turnaround was needed with the initial lockdown of the COVID-19 pandemic in March as ARMS scheduled annual general meeting was up in the air in terms of how and where we would host it. ARMS staff took to ZOOM and quickly organized for our AGM to be held virtually on April 30. Despite having to change our plans and knowing that many people were just starting to get the hang of virtual conferencing we were very grateful to have had 38 members join us. ARMS currently has 81 paid up members for 2020-2021. Continuing from the AGM in April, ARMS hosted each monthly board and all our sub-committee meetings virtually and will continue to do so in 2021 until it is deemed safe to have in-person meetings again.

### 2020 Regular Board Meetings Hosted

#### In-person before COVID-19

- January 16
- February 13
- March 12

#### Virtual due to COVID-19

- May 14
- June 11
- September 17
- November 12





## Environmental Education 2020

At the beginning of 2020, ARMS anticipated a bumper year of environmental workshop bookings from schools all over the Lower Mainland. As at mid-March 2020, when our office closed due to the COVID-19 lockdown, we had almost 100 school bookings for spring. However, this was all cancelled with schools closing and people being instructed to stay home wherever and whenever they could.

Working over the spring with City of Maple Ridge Parks and Recreation staff, we were able to craft a modified series of summer camps. We developed a COVID-19 handbook laying out how we intended to plan for and implement our camps with COVID-19 in mind. This was a very educational and rewarding experience overall although at times we were unsure if anyone would book into our camps given the continuing uncertainty with COVID.

However, ARMS went ahead and hosted six summer camps successfully with our Eco Camps supervisor, Dan Mikolay heading up the team. High school volunteers and Canada Summer Jobs students proved to be excellent camp leaders and assistants and without them our camps would not run. COVID-19 protocols were in place and camps ran with only 12 children per week along with a range of safety precautions including running all activities outdoors, all drop-offs and sign-outs were done from the Allco Park parking lot, no parents could go down to the “camp activities” area to reduce public interactions as well as having handwashing station, lots of hand-sanitizer and planning activities that reduced the amount of touching between kids. All camps were held in ALLCO Park for the duration of the day making use of the picnic shelters, forested and field areas. There was access to park pit toilet as well as running water where we hooked up the portable hand washing station for all to use.



Campers enjoy Allco Park in the summer with  
ARMS Eco Camps!



Our summer camps ran over July and August with a total of **124 individual registrations**. Given we reduced the number of campers in each camp to twelve versus our usual twenty-five per camp, we were very happy with the response from parents. In comparison to 2019, we had 185 total registrations for summer camps, so it was a very good turnout. The camp themes offered in 2020 were “Harry Potter and the Triwizard Tournament”, “Survivor Camp”, “Engineering in Nature!”, “Life’s A Game!”, “Pixelmon!”, and “Forest Explorers”. We had a fantastic response from the community with all our camps booked out and waiting lists for most days. We were extremely pleased that we were able to offer these much-needed camps for children and their parents despite the ongoing pandemic.



Getting up close and personal with a cougar (stuffed!) during summer camp

With the continued support of the City of Maple Ridge, ARMS delivers interactive, relevant, and engaging educational programming to youth in Maple Ridge. Raising environmental awareness in our youth so that they may become better stewards of the Alouette Watershed and their local environment is one of ARMS' key priorities.



You really are a fun-gi! Checking out a large conk on Allco tree during summer camps

**Income earned from summer camp registrations in 2020 was \$10,600!** Much needed revenue as we had initially been very unsure ARMS would have been able to run camps at all due to COVID.

On another note, although we had hoped Fall 2020 would look better for ARMS environmental education programming, with all the uncertainty and the reality of COVID-19 with teachers, parents and children still getting used to the new school year, ARMS decided not to promote our environmental education programs and to focus on spring 2021 instead.



## Volunteer Engagement

Although COVID-19 made it more challenging for ARMS to provide volunteer opportunities we would typically offer, we were still able to engage volunteers in a range of activities including virtual and small RSVP in-person with outdoors events and activities with **over 75 volunteers donating 1792 hours** worth a total of \$26,872.50.

Volunteer activities included:

- Research and report writing
- Bookkeeping and data entry
- Letter writing to members
- Social media promotion and designing promotional flyers
- Event planning
- Fundraising event preparation
- Litter clean ups
- Salmon spawner surveys and habitat monitoring
- Salmon spawner training (free to volunteers)
- Water quality monitoring
- Adopt-a-Block event logistics including site prep and tear down
- Beekeeping
- Summer camp counsellor
- Board sub-committees



Keen volunteers conducting habitat monitoring for Josine Eikelenboom's TLC covenanted property

## Canada Summer Jobs Program 2020

Our four summer students were extremely enthusiastic, professional and a lot of fun to work! We were truly lucky to receive funding through the CSJ program. Every year in January, ARMS writes a grant proposal and submits it hoping to receive funding to hire young people aged 15-30 who will be able to assist us with delivering much-needed community programs and outreach in the Alouette Watershed. In 2020, the summer students were trained in and assisted us by planning water quality monitoring, native tree planting workshops and invasive plant pulls. The students also planned the summer camps in conjunction with our camp supervisor, including all activities, leading their assigned camp theme, working with high school volunteers, and delivering high-quality outdoor-focused activities.

### **Canada Summer Jobs Funds Four Summer Students**

***Grant total \$18,616***

**Canada** 



Carly is a fourth-year student at Simon Fraser University majoring in Resource and Environmental Management. She started volunteering for ARMS in 2018 as she was looking for an organization within her community that fit her passion for the environment and love of the outdoors. Over the past two years she has planned events, assessed water quality of the Alouette, and participated in the seasonal spawners surveys. Carly is looking forward to working with a team of like-minded individuals during her time with us.



Ashley is in her final year of completing her Bachelors degree in Geography and Environmental studies at the University of Victoria. She is very passionate about environmental education as it is a crucial aspect of raising awareness and leading people into making eco-conscious decisions in their everyday lives. On her days off, she likes to play tennis, go for runs, and paint. In the future, Ashley hopes to pursue a career in sustainable development in developing communities.

Carly and Ashley started their environmental summer contract with ARMS on June 29th. ARMS will have two new summer students joining the team in July to assist with our Eco-Summer Camps.



## Alouette Pollinators Project

**Funder: Maple Ridge Community Foundation (MRCF)**

**Grant Amount: \$2500**

ARMS hosted a free community event on March 8, 2020 to kick off our “Birds, Bees and Butterflies Series”. The workshop was open to the public by way of RSVP. **Over 50 community members attended this free event, with a waitlist of double that number again.**

Raptors Ridge, a local wildlife group, was invited to present a one-hour “birds of prey” talk. Two live birds of prey were brought out for participants to get up close and personal. Workshop attendees also built a chickadee house which they got to keep. This was a fun, educational activity which showed young children and their families the types of birds that prey on chickadees and provide habitat and a safe place for chickadees rely on and more importantly, the reason conserving habitat for birds of all species is vital for a healthy functioning ecosystem. The Bee Lady was also in attendance with a live observation honeybee hive where participants could get up close and watch bees make honey and even get a taste right out of the hive.

At the beginning of the workshop, ARMS staff introduced the project and the grant provided by the MRCF which enabled ARMS to host the community event for free along with other activities that were planned for 2020. **This event was a huge success and was featured in the Alouette River newsletter and on ARMS social media platforms.**

With the grant money from MRCF, ARMS was able to purchase **almost \$1000 worth of bird houses to provide ongoing habitat education in Maple Ridge** where children ages 5 – 13 years old build a chick-a-dee house to take home and put up in their neighbourhood. The community who took part in this project will see the results of their habitat boxes being used year after year connecting them with nature.

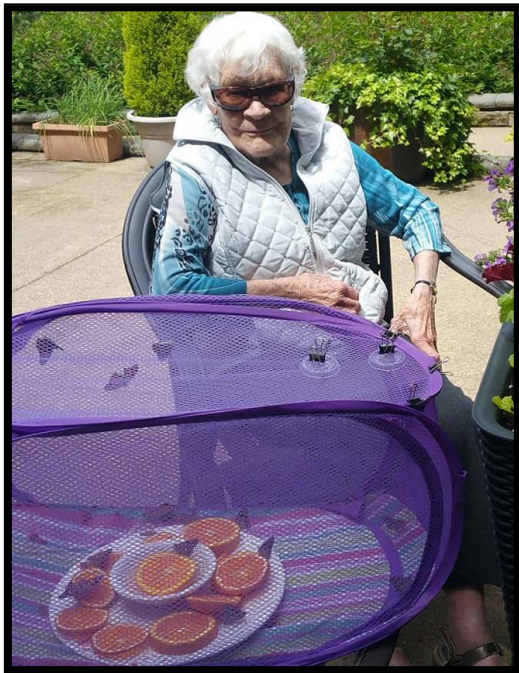


Left to right: ARMS volunteer with staff; Raptors Ridge presenting; Dad and daughter building a birdhouse together.

ARMS was also approved for another TD Friends of the Environment Foundation (TDFEF) grant this year totalling \$9,000 for the Alouette Pollinator Project. Mason bees and painted lady caterpillars were donated to local organizations such as Cottonwood Preschool, Greystone Manor Retirement Centre and the CEED Centre. We also partnered with **Wild and Immersive** to create a pollinators educational YouTube video for virtual learners during isolation of COVID-19.



**TD Friends of the  
Environment  
Foundation**



Above: Greystone Manor Retirement residents enjoy raising butterflies donated by ARMS



Left: Cottonwood Preschool receives a donation of mason bee habitat boxes and cocoons to raise mason bees with students.

Right: ARMS partners with Wild and Immersive to create a virtual education video on pollinators.

Note: Due to COVID-19, ARMS was unable to run as many public pollinator activities as originally planned. However, we hope to run more activities in 2021 pending COVID-19 public health guidance and orders.



## NEW FUNDRAISER INITIATIVES



### #FishFaceMask Raised \$380! – Launched in 2020!

The Alouette River Management Society offered a branded 100% cotton face mask in the fight against the spread COVID 19. With all the emerging information that was coming out with regards to pre-symptomatic and asymptomatic transmission, and with the goal to be show support for BC public health guidance to help stop the spread of COVID-19, ARMS took the cue from one of its directors, Cheryl Ashlie, and ran with this idea for an ARMS fundraiser!

#### #FishFaceFundraiser

Stay safe with a fish face!

\$20/each! Limited supply!

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Locally made, 100% cotton,  
thick nose wire for a custom  
fit, elastic ear loops and  
headband tie for easier  
adjustment.  
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Email [sophie@alouetteriver.org](mailto:sophie@alouetteriver.org)  
with your full name, phone  
number and how many you  
would like to purchase.

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Thank you for your support  
during these uncertain  
times!

It was also a fun way to show off ARMS pride! ARMS recruited **Masked By Design**, a local business founded by long-time Maple Ridge resident Diane Formosa to design and sew the masks.

**Spotlight on Diane:** “I am currently the owner/operator of a locally based licensed daycare of 22 years and am also the owner/ operator of a local photobooth company of 10 years. I have a passion for sewing and have been doing so for over 40 years, making, and designing most of my own clothes. When I got married, I designed and created my wedding dress along with the brides-maids dresses.

After having children and taking a small break from sewing, I returned to my passion of creating clothes for myself. I also have made custom seat covers for m family truck, re-covered a whole outdoor patio cushion set, created fabric window coverings throughout the entire house and many other crafted projects. Now in my spare time I can be found mass producing cloth face masks with my new business venture “Masked By Design”. I also enjoy gardening, bike riding, hiking and being close to nature and am thrilled to be making cloth face masks for the Alouette River Management Society.”



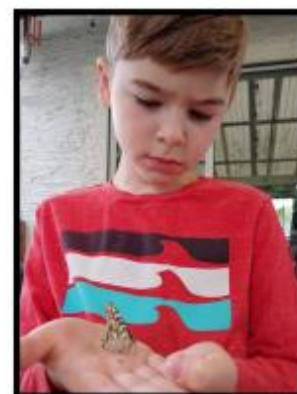
## Adopt-a-Butterfly Fundraiser



Families had the opportunity to purchase a Painted Lady caterpillar larvae from ARMS as a fundraiser initiative. This was a fun activity for children at home in quarantine to watch and learn the lifecycle of a butterfly change right before their eyes.



Just over 200 families released butterflies in Maple Ridge and Pitt Meadows. This initiative raised over \$6,000 for ARMS. This money will go directly to support ARMS' environmental education, stewardship and Rivers Heritage Centre programming throughout the year in lieu of lost revenues from our cancelled spring education programming. Thank you to those who purchased a Painted Lady butterfly to raise this year at home! The Alouette River Management Society appreciates your generous support for our fundraising initiative, "Adopt-a-Butterfly"!



## Father's Day at Loon Lake Lodge

The Alouette River Management Society partnered with Wild and Immersive at **Loon Lake Lodge and Resort** to run a “Father’s Day in Nature” event on Sunday June 21. ARMS and Wild and Immersive worked hard to plan and produce a safe COVID-19 event with limited RSVP only registrations, all activities were held outdoors and with a range of stations situated throughout the Loon Lake site. Lots of hand sanitizer, signage and wayfinding was provided to help the families help safely enjoy their outing to the Malcolm Knapp Research Forest where Loon Lake Lodge is situated.



wild & immersive

PROGRAMS ROOTED IN NATURE



Families having fun at the “Father’s Day in Nature” - Loon Lake Lodge, June 21

A total of seventeen (17) families participated over a morning and afternoon building bird houses, making bees wax wraps, and learning how to mix bee propolis hand salves with the Bee Lady. Families enjoyed a canoe ride and hike around Loon Lake using a rope ferry to cross back over. There was no better way to wrap up the day than with cookies freshly made by Loon Lake Lodge and Resort and a bear cub sighting on the road out. **This event raised over \$1500 for the Alouette River Management Society and its partners!**



## Deep Roots Family Farm Event – Another “Fun”-draiser!

In late spring, after the success of our Father’s Day event, we decided to reach out to a local family business, Deep Roots Family Farm, to see if we could collaborate on a fundraiser which would help both ARMS and help encourage people to visit this Maple Ridge business.

ARMS saw a need in the community to provide some fun outdoor activities for families during the summer. As the COVID-19 pandemic made it impossible for ARMS to hold larger public events as we typically do during the summer, we opted to do another small, physically-distanced RSVP gathering at a local farm in Maple Ridge. The host family, the Guerzens, provided a wonderful backdrop and farm-stand for the event.

Families had a fantastic time at the “*Birds, Bees, Bugs, and Bears*” event which was held on Sunday August 16. Again, ARMS staff and volunteers worked hard to plan and deliver a safe and fun family-friendly event while observing the COVID-19 health advisories at that time. We planned out many different activities over the entire farm site which allowed us to have up to 50 people attend.

Families and friends had lots of fun learning about bees and tried a hands-on honey extraction with Loretta aka “the Bee -Lady” as well as tried their hands at making beeswax wraps and lip balms. Participants explored water bugs and crayfish hosted by the **Maple Ridge Adopt-a-Stream Program**, and at the ARMS tent families hammered away building their own chickadee birdhouses! **WildSafe BC** was a hit with a taxidermy black bear, bear skulls and an electric fencing demo educating the participants about bear safety. The eventgoers also had a chance to explore the farm with ducks, chickens, turkeys, beautiful trails, and a tree swing for the kids. To cap it off, everyone had a fun and informative tractor ride around the farm with Elijah and Duane Guerzen.

*“The best part was seeing everyone so happy despite the very hot day, the smiles on everyone’s faces were really a wonderful thing to see.”* Greta Borick-Cunningham, Executive Director of the Alouette River Management Society.

This event was proudly supported and sponsored by The Guerzens “Deep Roots Family Farm”, TD Friends of the Environment, the Maple Ridge Community Foundation and WildSafe BC.



TD Friends of the  
Environment Foundation





**Deep Roots Farm Stand**



**ARMS booth**



**Bees wax wraps**



**WildSafe BC**



**Adopt-a-Stream: aquatic invertebrate exploration**



## Environmental Student Bursary

This bursary was started by the Thomson Family in 2018 when they donated \$5500 to ARMS from the estate of John Thomson, a long-time advocate for the environment. In 2020 ARMS was able to provide two bursaries of \$750 each to two amazing stewards of the Alouette Watershed. Carly Spence, ARMS long-time committed volunteer, who participates in events, office work and surveying returning salmon in local tributaries. Carly said:

*"I have been a volunteer with ARMS for over two years. I was looking for ways to gain experience in a field that was relevant to my studies. Since then, ARMS has given me the opportunity to participate in a variety of tasks. This past summer I worked with ARMS as their summer student where I not only gained valuable experience, but I was a part of such an integral organization to the community. I am proud to be the recipient of the bursary and as I head into my last year of schooling at SFU, these funds will help me pay for tuition and fees. Thank you to everyone for your support and kindness over the years."*



Carly Spence receiving her \$750 Thomson Environmental Bursary from ARMS staff

Sara Vorlicek, also a recipient of the ARMS bursary in 2020, said:

*"I have been volunteering with ARMS for a year already and in that time, I have conducted water quality testing, completed office work, assisted with events, as well as helped lead youth in this year's summer eco-camps. The Thomson Environment Bursary has helped me purchase textbooks and subsidize my tuition."*



Sara Vorlicek receives her \$750 Thomson Environmental Bursary  
at the River Heritage Centre

Sara is a second-year student at Simon Fraser University completing a degree in Resource and Environmental Management.

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*The Alouette River Management Society wishes both  
Carly and Sara all the best in their continuing  
environmental studies!*

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## Alouette River Sockeye and Fish Passage Project



ARMS is a member of the Alouette River Salmonid Restoration Project (ARSRP) committee, is a partnership which is dedicated to realizing fish passage over the Alouette Dam for sockeye salmon and other resident Pacific salmon species that would use the Alouette Lake for spawning and rearing. This group meets several times throughout the year, along with several dedicated subcommittees, to work on studies that aim to create a restoration plan for all Pacific salmon species in the Alouette River and Reservoir. Some past work included conducting surveys of available spawning and rearing habitat in-reservoir, along with annual monitoring of adult sockeye salmon returns in the summer and enumerating outgoing sockeye smolts in the spring. The group was approved by the Fish and Wildlife Compensation Program (FWCP) to proceed with Year 4 of the eleven-year plan to determine the feasibility of restoring a self-sustaining sockeye salmon run back in the upper Alouette watershed as well as re-establishing other salmon in the upper Alouette Watershed. **The committee was approved for \$131,879 for Year 4 of the project.**

The ALLCO fish fence was in operation from the end of June to the end of October to trap returning adult salmon. This year, **eight-five (85) adults returned between July 11 and September 3.** Eighty-three (83) out of the eighty-five (85) sockeye were sampled at the ALLCO trap location, two (2) died in the trap and were preserved for sampling. Eighty-three (83) were successfully transported to Alouette Lake and released in good health. Fork length measurements were taken of all sockeye along with scale and tissue samples. The measurements indicated an average fork length of 53.7cm.

**The genetic sampling identified all 85 adults originated from Alouette stock.** That was fantastic news! 100% Alouette stock! This meant that we did not trap and sample any stray sockeye salmon from other watersheds at the ALLCO fence. Since 2007 to 2020, **446 adult sockeye salmon have returned** to the ALLCO fish fence, **381 of those have been successfully released into the reservoir.** This project aligns with Fish and Wildlife Compensation Program's Alouette Watershed Coastal Action Plan. The priority which is addressed are:

- *Sub-objective 1 - ALU.RLR.SB.18.01 Conduct technical feasibility assessment. Sockeye Salmon passage at Alouette Dam. Compensation requires increasing present biological productivity to offset hydro development-related declines in productivity. There are myriad ways to compensate for fisheries impacts, and some work better for some species than others and some may be more suited to certain physical settings.*

All returning sockeye in 2020 were in great health and strong swimmers.



Adult Sockeye returns to the South Alouette in great condition, August 2020.

Year of Adult Return	Number of Returned Adults	Number of Adults Released Alive into Alouette Reservoir
2007	38	5
2008	54	53
2009	45	43
2010	115	103
2011	11	8
2012	45	43
2013	10	7
2014	0	0
2015	4	0*
2016	6	6
2017	3	1
2018	15	15
2019	15	14
2020	85	83
<b>Totals</b>	<b>446</b>	<b>381</b>

Return and release numbers for Adult sockeye returns to the ALLCO fish fence from 2007-2020



## Excerpts from the ARMS E-Newsletter Spring 2020 edition

The work being done informs the ARSRP committee's activities in alignment with BC Hydro's seven-step Fish Passage Decision Framework. This framework outlines how community groups like the Alouette River Management Society, a long-time member and driver of the ARSRP, work with the impacts of blockages to fish passage because of BC Hydro dams and related infrastructure.

*"BC Hydro uses a seven-step Fish Passage Decision Framework to navigate improved fish passage at BC Hydro dams and generating stations," ARMS Executive Director, Greta Borick-Cunningham said "This funding will go towards continuing to monitor adult sockeye salmon returns in the summer to the Alouette River and particularly the ALLCO fish fence located around 7 kms downstream of the Alouette dam. The important work of also counting the number of Sockeye smolts migrating out from the Alouette reservoir each spring is also crucial to us estimating the number of smolts that leave each spring through the spill gate when it is opened from mid-April to the end of May."*



Rotary screw trap operating in the South Alouette River (top); and Katzie First Nation technicians (Gail Florence, Logan Chick) sampling on site (bottom). (2017)



Adult sockeye returning to the South Alouette River are measured and sampled for DNA and age before transported to the Alouette Reservoir by truck. (2018)



## Salmon News: 85 sockeye return to the Alouette River!



It was a very busy year for the Alouette River Salmonid Restoration Program (formerly Alouette River Sockeye Reanadromization Project) despite the pandemic. We started the season in April with LGL environmental and Instream Technologies enumerating the outmigrating “sockanee” from the Alouette Reservoir. Each spring from mid-April to the end of May, BC Hydro opens the Alouette dam spillgate to enable the smolts leaving the lake and starting their journey to the ocean. About 2km downstream of the dam, field technicians count, mark and recapture the outmigrating sockanee smolts using a rotary screw trap. This annual count started in 2005 and has been supported every year in the field with Katzie First Nation techs except for this year due to the pandemic concerns. At the Allco fish fence we

had a busy season sampling the returning adult sockeye salmon. This year was a bumper return for the sockeye, with 85 returns all in great condition, with 83 released to the Alouette Reservoir with the help of BC Corrections hatchery staff. This year’s return is the second highest after the large return of 115 in 2010! The adults were all DNA and scale sampled, and fork lengths taken. We are currently awaiting the analysis results from the Pacific Biological Station (DFO) which will determine the origin and age of these returning adults. The ARSRP team was also busy in the background with a number of different sub-committees splitting off to work on potential enhancement hatchery, entrainment studies and updating our Terms of Reference. 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 4 project. [www.fwcp.ca](http://www.fwcp.ca)



### ***2020 Alouette River Salmonid Restoration Program – Summary of Meetings and Work Completed***

<b>Meetings</b>	Full Committee	02-Apr-20
	Full Committee	23-Jun-20
	Full Committee	16-Jul-20
	Full Committee	23-Oct-20
	Hatchery Sub-Committee	15-Sep-20
	Workplan Sub-Committee	10-Sep-20
	Workplan Sub-Committee	01-Oct-20
	Workplan Sub-Committee	23-Nov-20
	Workplan Sub-Committee	17-Dec-20

	Workplan Sub-Committee	07-Jan-21
<b>BCH Requested Information</b>	2020 Operations forecast during smolt outmigration period under IDSRMP - graphs provided and discussion with OPE	
	Responses to Committee's Dam Safety questions	
<b>Workplan</b>	<i>ARSRP TOR</i>	Completed and accepted by committee (October 23, 2020)
	<i>Alouette Hatchery</i>	Ecofish - Hatchery Feasibility Report
		Marvin Rosenau - Documented perspective on value of sockeye hatchery
		Sub-Committee - developed timeline of milestones for implementation (approved by committee on October 23, 2020) and discussed operational requirements
	<i>Smolt Outmigration</i>	smolt abundance estimate of 1,473
	<i>Adult Monitoring</i>	85 sockeye returned in 2020 (2 mortalities)
	<i>Workplan - Entrainment</i>	Parkinson's Preliminary Assessment
		Proposed multivariate analysis of smolt influences (not supported)
		Workplan Sub-committee formed to evaluate options and revise 11-Year Plan
		Revised workplan accepted by Committee (October 23, 2020); scope of work to be developed for study components
		Committee supported LGL developing entrainment study design (October 23, 2020)
		Sub-Committee reviewed LGL entrainment study design, developed study objectives, management questions and potential recommendations for full committee review
	<i>Workplan - Other Studies</i>	Revised workplan also included i) habitat assessment upstream and downstream of Alouette Dam, and ii) evaluating feasibility of technical options; both studies supported by full committee on (October 23, 2020)

Source: Katy Jay, BC Hydro



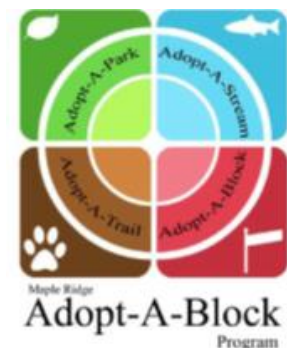
## 27<sup>th</sup> Annual Ridge Meadows Rivers Day



The 27<sup>th</sup> Annual Ridge Meadows Day was very different due to the COVID-19 pandemic; however, ARMS and Adopt-a-Block saw it as an opportunity to celebrate BC Rivers Day in a different format by hosting a physically-distanced river clean up along the South Alouette river in Maple Ridge Park. Throughout the summer the Alouette River undergoes a lot of recreational use and we saw this shift in our way of celebrating as a great way to give back. ARMS was able to secure \$1000 from Fish and Wildlife Compensation Program to purchase new waders, other safety equipment and provided volunteers with a COVID-friendly catered lunch by Subway. ARMS and Adopt-a-Block also partnered with Nature Kids BC to run a clean up event in the park for families with young children.



Ridge Meadows Day Volunteers – September 27, 2020







Rivers Day volunteer cleaning litter out of the South Alouette River.



Above and below: FWCP sponsored Ridge Meadows Rivers Day and supplied funding for a catered lunch.



Left: Adopt-a-Block supplied the clean up equipment.





## Environmental Stewardship

### Community Event at Morse Creek and Reg Franklin Park

On October 7, ARMS partnered with the Lower Mainland Green Team and the Maple Ridge Adopt-a-Block program to deliver an outdoor educational invasive species removal activity in Reg Franklin Park. Greta Borick-Cunningham, ARMS Executive Director, stated “It’s a wonderful example of non-profit and community collaboration. With funding from the Pacific Salmon Foundation, we were able to connect with the Lower Mainland Green Teams awesome volunteer base to do good for the environment right here on Morse Creek”.

Together, we engaged **41 volunteers from the Maple Ridge Environmental School**, who helped to remove Himalayan blackberry from a 250m<sup>2</sup> area (approximately 1.5 cubic meters removed, mostly the root system!) The Maple Ridge Environmental School plans to integrate this outdoor activity into their class curriculum, using the blackberry plants as a foundation for math equations. Himalayan blackberry is an invasive species that out-competes low-growing native vegetation through shading and can spread rapidly to consume entire areas. To increase biodiversity, it is important to remove invasive plants as they are the second biggest threat to habitat.

Morse Creek runs through Reg Franklin Park and this riparian restoration work will help build more resilience to these nutrient-bearing waters which feed downstream to the lower reaches of salmon habitat. Green Teams Canada is an environmental charity with a mission to connect, build, and empower diverse communities through hands-on activities that promote health, well-being, and environmental stewardship. Their goal is to provide an opportunity for the community to connect to nature while connecting to one another in a safe, active outdoor setting. Connecting people with each other outdoors, particularly now during COVID, helps combat social isolation and allows people to respond better in crisis and be resilient. Connecting people to nature also promotes responsible environmental behavior, which is important in addressing climate change!

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*ARMS actively works with other like-minded environmental groups and enjoys the ability to leverage our local knowledge of the Alouette Watershed with groups that bring new and excited volunteers to our community to improve the health of our ecosystem.*

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Teachers and students from the Maple Ridge Environmental School having fun during the ARMS-GTC outdoor activity at Reg Franklin Park! October 2020

## BC Wildlife Federation

### Reg Franklin Native Planting



Following up from the partnered activity with Green Teams Canada on October 7, ARMS partnered with the BC Wildlife Federation on October 24 to plant a variety of native trees and shrubs including vine maple, snowberry, dull Oregon grape, and more. ARMS staff and BCWF staff planted a mix of 60 shrubs and trees. These plants were donated to ARMS to use at Reg Franklin Park as part of the ongoing restoration efforts there. BCWF hosts a “Reel Fishing” Workshop which teaches people to fish ethically and responsibly while also learning about a local watershed and having the chance to participate in a salmon habitat enhancement activity or other riparian area restoration efforts.



Volunteers and BCWF staff plant up a section of Reg Franklin Park, October 2020

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*Thank you to BC Wildlife Federation for their generous donation of native plants worth \$300!*

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## Maple Ridge Adopt-A-Block Program



This year, Maple Ridge Adopt-A-Block **grew by 21 new adoptions!** These new adoptees were represented by 16 individuals/family memberships, 1 business membership, 1 group/charity membership and 3 new school memberships.

At the end of 2020, there were **131 actively enrolled members** in the Adopt-A-Block Program. These 131 members are currently monitoring **more than 162 sections** of Maple Ridge, as some adopt more than one section and others choose to extend the boundaries of their adopted locations. Due to COVID-19 the program did not see as many adoptions as the previous year. However, the program was still able to engage existing members in meaningful volunteer activities.

On July 26, the Maple Ridge Adopt-a-Block Program hosted a COVID-19-safe 240<sup>th</sup> Street clean up event, from Lougheed Hwy to Dewdney Trunk Road, for registered members. The event had a dozen members join to collect garbage along the road to prevent litter entering the storm drains. By arrangement with the City of Maple Ridge Operations Department, a team collected all bagged litter and other items found by volunteers at the end of the event.

A new partnership was made with Green Teams Canada and as a result, the Maple Ridge Adopt-a-Block program was promoted at an event in early October where volunteers from the Maple Ridge Environmental School removed invasive plants and picked up litter at Reg Franklin Park.





ARMS and Maple Ridge Adopt-A-Block continued our partnership with BC Wildlife Federation hosting a planting and litter pick up event in Reg Franklin Park in late October 2020. These are excellent relationships for Adopt-A-Block to have as it creates strong inter-community ties while establishing new avenues for individuals to advance Adopt-A-Block initiatives to better the City of Maple Ridge through collaborative efforts.

AjM Disposal Services Ltd. remains as a major ambassador for the program, picking up members extra garbage free of charge. The Ridge Meadows Association for Community Living continue to work on orders of branded bags as and when needed for the program. They contribute greatly to helping us get our members the gear they need to do the city-wide clean-ups.

Installation and maintenance of street signs for participating groups and/or businesses in recognition of their service is a feature of the Adopt-a-Block membership and is optional for adoptees. We have maintained the fee for businesses at \$150/year for a minimum two-year agreement membership fee (\$300 upfront) and have created an additional fee for businesses who wish to be recognized with municipal street signage. Businesses will now be charged \$500/2 years for recognition signage which is then installed by City of Maple Ridge Operations.

It must be noted that municipal street signs of recognition are installed only upon the basis of explicit signed consent by Program members. Thus, current quantifiable Program signage may not accurately reflect the membership base.

Garbage grabbers and our reusable bags can be signed-out by members at the Rivers Heritage Centre. Due to COVID-19 public health restrictions, the coordinator planned with new members to do contactless drop-off of equipment at their home address. This equipment is kept by members for the duration of their adoption commitment period or until members decide to opt out of the Program.

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*Thank you to all our partners and supporters of the Maple Ridge Adopt-a-Block Program.*

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**The Adopt-A-Block Program organized and/or participated in 15 different activities in 2020.** The number of events we typically schedule was down significantly in 2020 due to the new challenge of the COVID-19 pandemic.

1. ARMS Board discussion of Alouette River clean ups – January 16
2. University of the Fraser Valley - Environmental networking committee – January 29
3. ALLCO Park Clean Up Event – January 31
4. Stoney Creek – Watershed Update Round Table – February 24
5. Reg Franklin Park Clean up – February 28
6. Rotary Club of Haney presentation – March 4
7. OWLES event – March 8
8. ARMS Board Presentation – March 12
9. Fathers Day at Loon Lake Lodge, Malcolm Knapp Research Forest – June 21
10. 240<sup>th</sup> Street Summer clean up – July 26
11. ARMS Summer Camps July + August at ALLCO Park
12. Deep Roots Family Farm Event – August 16
13. Streamkeepers Training for Adopt-a-Stream – Sept 12 and 13
14. Green Teams Canada event at Reg Franklin Park – October 7
15. BCWF planting clean up event at Reg Franklin Park – October 24

The Adopt-a-Block Program had to cancel the following events due to COVID-19:

1. Maple Ridge Park Clean up event – March 20
2. Spring Break Kids Camps - March 16 – 27
3. School District 42 presentation – March
4. Maple Ridge Earth Day - April 18
5. Good-Bye Chums Event Kanaka – April 26
6. Ridge Meadows Home Show - May 1-3
7. ARMS 4th annual fundraiser dinner May 28
8. Streamkeepers Training – May
9. Annual Father's Day Fish Release at Maple Ridge Park - June 21
10. Maple Ridge Park outreach - June 26
11. Country Fest – July 25 and 26
12. Ridge Meadows Rivers Day at ALLCO Hatchery, September 27
13. Salmon Series Fish Hatchery Tour at ALLCO Hatchery – Nov 10, 17, 24
14. Winter Wonderland Event at Loon Lake Lodge – Dec 6

**In some cases, we were able to adapt and offer alternative RSVP activities with limited registration, mask requirements, physical-distancing through signage and other measures to minimize risks to COVID-19 transmission.**

## Adopt-a-Block Initiatives in 2020

To get ahead of another anticipated busy summer recreation season, ARMS worked on our social media messaging around stream stewardship and the importance of keeping our waterways clean and free from litter. In early 2020, the City of Maple Ridge's Manager of Community Engagement & Relations, Fred Armstrong, visited us in ALLCO Park to film a short public information video promoting responsible river and streamside use. We also launched a social media challenge called “#Trash Talk” with WildSafe BC Maple Ridge Coordinator, Dan Mikolay.



In the “Clean Stream Challenge”, we asked the public to take up the challenge of snapping photos of any dumped refuse in or near the Alouette River. Public response allowed us to notify the City of Maple Ridge of the areas where dumping occurred.



With the shutdown of businesses and movements of people in the spring due to COVID-19, once summer arrived there was an exponential increase in municipal park usage especially in Maple Ridge Park and Whonnock Lake Park (Colin Priddle, pers.comm. Jan 11, 2021).

ARMS received many calls from residents living along the South Alouette River last summer, particularly to do with tubing and littering. Maple Ridge Park staff responded promptly to ARMS request to have “no parking” signs installed in ALLCO Park. ALLCO Park is the “jumping-off point” for river tubers and during the hot season sees a very large increase in the number of cars in the parking lot, along Alouette Road and in some cases, up 249<sup>th</sup> Street hill.

The resultant effects were traffic issues at the park entrance where people parked either side of the entrance blocking the way for Corrections vehicles and any other emergency vehicles to gain access into ALLCO. Increased litter in the parking lot itself was also noticed, especially discarded blow-up tubes, packaging, fast food containers, beer cans and other items. We saw City of Maple Ridge temporary “Pack it in, Pack it out” signage near Hot Rocks as well as increased garbage bin pick-ups in Cross’s Cabin during the hot long weekends. We would like to thank the City in supporting ARMS in this important and necessary public education and river health campaign. We hope in 2021 further permanent signage in littering “hot spots” and active enforcement by bylaw officers and RCMP along the South Alouette River with regards to dumping, trespassing, and other negative effects on the river will be strengthened.



Sign at Hot Rocks, South Alouette River, Maple Ridge



Garbage collected by river resident Donna Clay along the South Alouette River during tubing season, 2020



Cross's Cabin overflowing garbage bins after a hot day in July, 2020





Above: Deflated and discarded tubes pulled out of the river by resident.  
Below: More busted pool floaties and beverage containers galore retrieved from the South Alouette River!





## **Pitt Meadows Adopt-a-Program Continues!**

Thanks to the financial support of the City of Pitt Meadows, ARMS continued its pilot into its first full year of operations.

### **There are currently 7 active adoptions within Pitt Meadows.**

- ✓ Pitt Meadows Secondary School – Parkside Trail
  - Five active classes of 25 students (125 participating members)
- ✓ Edit McDermott Elementary – Somerset Park
  - One active class of 25 students
- ✓ Highland Park Elementary – Hoffman Park
  - Two active classes of 50 students
- ✓ Pitt Meadows Scouts – number of active members currently unknown.
- ✓ Mitchell Road Park – Wild and Wonderful Family Daycare
  - 8 members (daycare kids!)
- ✓ Pitt Meadows Elementary School – Harris Road block
  - One active class of 25 students
- ✓ Trans Canada Trail – Bud Livesey (individual member)

**There are 239 volunteers active to the end of 2020.**




Photos: Wild and Wonderful Daycare

Due to COVID-19, many of our planned events for the Pitt Meadows Adopt-a-Program were cancelled including:

- Annual kick off summer event in Harris Park – June 17
- Summer outreach with ARMS summer students – July & August
- End of summer Harris Park Clean up – August 5

We were able to promote the Pitt Meadows program in person at our Rivers Heritage “Raptors workshop” in early March just before the COVID-19 lockdown at spring break.



**Pitt Meadows Adopt-a-Program**  
Help keep your neighborhood clean and beautiful by adopting your favorite place in Pitt Meadows!

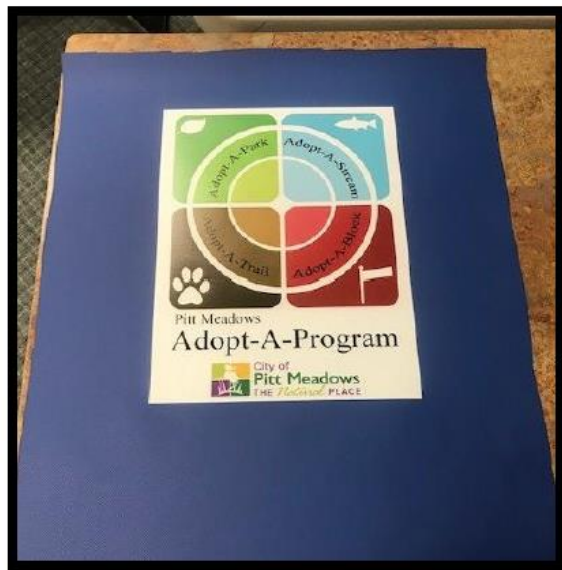
Priority areas for adoption:

- Parkside Trail
- Somerset Park
- Hoffman Park
- Bonson Park
- Harris Trail

**Sign up for this FREE program!**  
For more information email Sophie at [adoptablock@alouetteriver.org](mailto:adoptablock@alouetteriver.org), call 604-463-9699.  
All equipment is provided!

**Adopt-A-Program**  
CITY OF Pitt Meadows  
The Natural Place

**ALOUETTE RIVER MANAGEMENT SOCIETY**



New Pitt Meadows Adopt-A-Program Litter Collection Bags made by the Ridge Meadows Community for Assisted Living



Dead owl reported



Couch dumping reported



Newspaper dumping reported

Photos: Wild and Wonderful Daycare

Above and below: Dumping of the weird, wacky and downright dangerous!





Deep freezer dumping reported



Drug paraphernalia removed from road

Photos: Wild and Wonderful Daycare

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*With the help of committed Pitt Meadows residents, we are cleaning up priority parks, trails, and roadsides to keep it "the Natural Place"!*

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## Salmon Spawner Surveys

With the help of our amazing dedicated volunteers, ARMS completed spawner surveys for the twelfth year running. The survey locations were Coho Creek, Latimer Channel, Millionaire Creek, and a section of the North Alouette River. These surveys could not take place without the efforts from volunteers passionate about Pacific salmon. This year we had sixteen volunteers in the creeks every week for approximately twelve weeks over the spawning season from early October through to the middle of December.

Spawner surveys provide vital information about the number of adult salmonids that return to the spawning grounds in the Alouette River (both North and South stretches), and the proportion that spawn out successfully. Fisheries managers use the term escapement to describe the number of fish that escape the various fisheries. ARMS supports these volunteers by providing them with free training and equipment to use to survey the tributaries for three months and report on their findings. These findings are entered into spreadsheets and/or entered into the Pacific Streamkeepers Federation database. The findings are sent to the Department of Fisheries and Oceans for their use in assessing salmonid spawning success in the Alouette system.



At the ALLCO Fish Fence, **a total of 12,048 adult spawners were counted.** In 2020, we had a very good return of all species that typically make the journey up to the ALLCO fence during October to December (except for pink salmon as they return on the odd year), these included Chum 11,462 adults, Coho 474 adults and Chinook 27 adults. The adult returns were early in arriving for 2020 with ALLCO hatchery able to attain its brood stock numbers.

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*Thank you to BC Corrections (Fraser Regional Correctional Centre) for their many years of dedication to restoring Pacific Salmon in the Alouette Watershed.*

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## Fundraising, Grant Applications and Donations

### 2020 Successful Grant Applications - Totalled \$232,236

1. **\$131,879** - Fish and Wildlife Compensation Program (FWCP) – *Alouette Watershed Sockeye – Fish Passage Feasibility Project – Year 4*
2. **\$54,450** - BC Community Gaming grant – *ARMS Education, Rivers Heritage Centre, Adopt-a-Block and Stewardship Programs*
3. **\$18,482** - Canada Summer Jobs (Canadian Government) – 4 summer students for *Environmental Education and Eco-camps*
4. **\$4,425** – Pacific Salmon Foundation (PSF) – *Alouette Salmon Habitat Enhancement and Education project*
5. **\$9,000** – TD Friends of the Environment Foundation – *Alouette Pollinators Project*
6. **\$5,000** – City of Pitt Meadows – *Adopt-a-Program*
7. **\$2,500** – Maple Ridge Community Foundation – *Birds, Bees, Bears and Butterflies Project*
8. **\$2,500** – Department of Fisheries and Oceans – *Community Salmon Education programming*
9. **\$1,500** - City of Maple Ridge Parks & Leisure Festival grant – *27th Annual Ridge Meadows Rivers Day* (large event cancelled due to COVID-19)
10. **\$1,500** – Pacific Salmon Foundation (PSF) – *Allco Hatchery Incubation Heath Tray Upgrades*
11. **\$1,000** - Fish and Wildlife Compensation Program Community Grants – *27th Annual Ridge Meadows Rivers Day* (Note: Alternative activity - River Clean-up Event – Public invited to participate along their own stretch of river in a physically-distanced manner from others).

### Fundraising Activities - \$9,154

Due to the COVID-19 pandemic, all our spring eco-camps and environmental education bookings from March to June were cancelled totalling a loss of approximately \$18,000 in the first 6 months of the year. We were also unable to host our 4<sup>th</sup> Annual Fundraiser Dinner and could not support the annual Rotary Duck Race, as it was sadly cancelled as well due to COVID-19. Our annual support of this initiative helps us raise some funds for ARMS.

However, ARMS pivoted its fundraising strategy to focus on virtual campaigns that the public could participate safely. These included the “Adopt-a-Butterfly”, “Adopt-a-Birdhouse”, “#FishFace Mask”, and RSVP publicly attended events such as the Father’s Day Loon Lake Lodge “Day in Nature” and the Deep Roots Family Farm “Fun at the Farm”. All our COVID-19 fundraisers were very well supported by the community.



## Donations - \$15,546\*

- Stewart Family Foundation - \$8,500 – Environmental Education Project
- Liz and Geoff Hancock - \$1000
- Josine Eikenlenboom - \$1000

\*(not all donations listed)

## Spotlight on Stewart Family Foundation Donation

We were generously granted \$8,500 from the Stewart Family Foundation for our Environmental Educator Project. This person would be hired to design and deliver projected 60 days of Pro D day camps, spring break and summer camps and biweekly forest school for youth and families during the year. We will also be working with the new hire to design and develop virtual content for our current environmental workshops as an alternative to in-class (where possible and safe to do so while COVID-19 is ongoing). The position is anticipated to start late February, early March 2021 for approximately six months.



*The Stewart Family*  
FOUNDATION

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

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*ARMS would like to thank all those who supported us for the first time and those who continued to support us during the tough times of 2020!*

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## **Volunteer Efforts in 2020 – Total Donation value - \$163,836**

### **Education, Camps, Stewardship and Office - Donated Hours Contributed - \$26,880**

Number of Volunteer hours contributed: 1792

Volunteer activities included: member meetings, water quality surveys, park clean-ups, accounting, mapping, membership input, habitat box building, spring and summer break camps, data entry, wildlife and pollinator gardening, community outreach, fundraising, research, driving ARMS festival trailer, creating education resources, native plantings, invasive plant pulls, shooting video footage and creating Youtube videos, writing grants, Rivers Day preparations, volunteer orientations, poster designing, salmon spawner surveys and more.



### **Maple Ridge Adopt-a-Block Program In-kind Value – \$50,916**

- Number of Volunteer hours contributed by 131 volunteers (estimated) - 3144 hours valued at \$47,160 (based on 2 hrs per month per volunteer)
- City of Maple Ridge in-kind - \$3,656
- Other \$100

### **Pitt Meadows Adopt-a-Program In-kind Value – \$86,040**

- Number of Volunteer hours contributed by 239 volunteers (estimated) - 5736 hours valued at \$86,040 (based on 2 hrs per month per volunteer)

## 2020 Chronology of ARMS Activities

8 January	ARMS volunteer orientation sessions
9 January	Meeting with Maple Ridge Earth Day planning committee
10 January	Volunteer interview
14 January	Volunteer interview
16 January	Initial meeting with University of British Columbia Community Teaching Practicum student ARMS Board meeting
17 January	ARMS attends film screening of “Heart of the Fraser” in support Rivers Institute initiative
21 January	Meeting with City of Pitt Meadows – Adopt-a-Program
24 January	City of Pitt Meadows Adopt-a-Program equipment drop-off
28 January	Alouette-Innergex Coho Channel water quality monitoring Volunteer orientations
29 January	ARMS attends University of Fraser Valley – Environmental Networking Day
30 January	Meeting with ARMS volunteer regarding SFU Capstone Project
31 January	Maple Ridge Adopt-a-Block – ALLCO Park clean up event
6 February	ARMS attends Maple Ridge Earth Day planning meeting
10 February	ARMS hosts Volunteer Orientation
11 February	ARMS presents at the City of Maple Ridge – to Mayor and Council
13 February	ARMS Board meeting
17 February	ARMS attends Maple Ridge Lions Family Day event at Albion Fairgrounds
19 February	Adopt-a-Block Presentation to the School District 42
24 February	ARMS staff attend Stoney Creek Round Table discussion in Burnaby
25 February	Meadowridge Rotary cheque presentation to ARMS
26 February	ARMS staff host Adopt-a-Program safety talk to community group
28 February	Adopt-a-Block clean up at Reg Franklin Park
4 March	ARMS staff supervise SFU student Capstone Project Maple Ridge Rotary Club – presentation
5 March	ARMS attends Maple Ridge Earth Day planning committee
6 March	Alouette River Sockeye Reanadromization committee – Terms of Reference development
8 March	ARMS hosts “Birds, Bees, Bears and Butterflies” public event at the River Heritage Centre – with guest presenter “Raptors Ridge”
16-20 March	Spring Break Camp – CANCELLED DUE TO COVID-19 PANDEMIC BUSINESS SHUTDOWN
23-27 March	As above
17 March	ARMS office closes – staff work remotely from home (until June 1)

### DURING COVID-19 SHUTDOWN – Mid March to June 1

26 March	ARMS Board Special Board meeting – COVID-19 and shutdown implications
1 April	ARMS and Green Teams Canada – Reg Franklin invasive plant removal event - CANCELLED Virtual “Adopt-a-Butterfly” fundraising campaign kicked off
2 April	Virtual Alouette River Sockeye Reanadromization committee meeting
14 April	ARMS hosts Facebook LIVE – painted lady butterfly kitting
21 April	Staff training – Webinar – Navigating Government Assistance
30 April	Virtual Annual General Meeting
4 – 5 May	Staff training – Social Media and Instagram Masterclass
7 May	Staff training – Going Digital with Volunteers and Fundraisers – an Influence with a Cause
8 May	ALLCO Park – physically-distanced birdhouse pick up for fundraiser
12 May	Virtual meeting with Darlene Slevin, City of Maple Ridge
14 May	Virtual Board meeting
20 May	Virtual volunteer meeting
23-24 May	Streamkeepers training – CANCELLED
27 May	Virtual Sockeye Sampling – COVID-19 Protocol Virtual volunteer meeting
28 May	Staff training – Weathering the Economic Storm



## ARMS office reopens – staff back

1 June	Father's Day Fish Release at Maple Ridge Park – CANCELLED
3 June	Alouette-Innergex Coho Channel water quality monitoring
4 June	Annual Dinner Fundraiser – CANCELLED
9 June	Loon Lake Lodge site visit for planning alternate Father's Day event
11 June	Virtual Board meeting
12 June	Virtual volunteer orientation
15 June	ARMS strategic planning workshop for 2021 to 2023 with Mike Murray (facilitator)
16 June	Virtual volunteer orientation
	Virtual meeting – BC Hydro call - Sockeye smolt entrainment discussion
17 June	Staff training – Reopening for Non-Profits 101
18 June	Virtual Adopt-a-Block information session
19 June	BC Hydro sockeye trap started operating (for ARMS adult sockeye returns monitoring)
21 June	Loon Lake Lodge Father's Day event – ARMS hosted with Wild & Immersive "A Day in Nature"
23 June	Alouette River Salmonid Restoration Program (formerly Alouette River Sockeye Reanadromization Project)
24 June	Canada Summer Job – applicant interviews
29 June	Environmental students start (summer hires with Canada Summer Jobs)
30 June	Canada Summer Jobs – applicant interview for Camp counsellors
6 July	Camp counsellors start at ARMS
7 July	Field day with Environmental students
8 July	Virtual volunteer orientation
	ALLCO Park - #FishFaceMask – fundraiser pick-up (physically distanced)
	SOS campaign meeting
9 July	Camps dry-run in ALLCO Park
	Met with Coho Creek strata re stream issues
13- 17 July	Summer Camps start – Harry Potter and the Triwizard Tournament (modified format due to COVID-19)
20 – 24 July	Summer Camps – Survivor
27 – 31 July	Summer Camps – Engineering in Nature
26 July	240 <sup>th</sup> Street – Maple Ridge Adopt-a-Block Clean up – physically distanced COVID-friendly activity
30 July	Staff training – Virtual webinar – Transform Your Next Fundraiser
	Alouette Innergex Coho Channel – water quality monitoring
4 – 9 August	Summer Camp – Life's A Game
7 August	Field day with Environmental students
10 – 14 August	Summer Camp – Pixelmon
19 August	Field day – fry trapping at Golden Pond
20 August	ARSRP Terms of Reference meeting – virtual
24 August	Summer students last day working
9 September	ARMS – Green Teams Canada – event planning virtual meeting
10 September	ARSRP 2021 Work Plan Meeting – virtual
11 September	Virtual volunteer orientations
12-13 September	ARMS hosted streamkeeper training at Coho Creek and Maple Ridge Park
14 September	Site visit to Reg Franklin Park for event planning with Green Teams Canada
15 September	ARSRP sockeye hatchery subcommittee meeting – virtual
16 September	Volunteer meeting – project planning
17 September	Virtual meeting with BC Wildlife Federation – re Fish Passage Initiative
	Board meeting
18 September	Virtual volunteering meeting
	Summer Camps debrief with City of Maple Ridge Parks and Recreation staff
21 September	Reg Franklin Park site visit with Green Teams Canada
24 September	Strategic Plan sub-committee meets
27 September	27 <sup>th</sup> Ridge Meadows Rivers Day (traditional Allco Hatchery event cancelled) - alternate physically distanced clean up activity on the Alouette River
28 September	Allco hatchery tour with Lorraine Bates and Quatzi River Hatchery volunteers
	Volunteer orientation – virtual
29 September	Loon Lake Lodge site visit – planning for Winter Wonderland event

1 October	Site visit to Reg Franklin Park with Colin Priddle, new Parks Services Manager (City of Maple Ridge) ARSRP Work Plan sub-committee meeting – virtual
2 October	Hoffman Park orientation – physically distanced for City of Pitt Meadows Adopt-a-Program Virtual volunteer orientation
5 October	Salmon Spawner surveys start
6 October	Salmon spawner survey training with Zo Ann Morten and Pacific Streamkeepers Federation Latimer Channel stream walk
7 October	Reg Franklin invasive plant pull – event with Green Teams Canada Virtual volunteer orientation
8 October	Adopt-a-Block subcommittee meeting
9 October	BC Wildlife Federation – event planning meeting virtual
10 October	Millionaire Creek spawner survey
13 October	Coho Creek salmon spawner creek walk Latimer Channel salmon spawner creek walk ARSRP Work Plan sub-committee – virtual meeting
15 October	All Candidates Meeting – Provincial election
19 October	BCIT Fish and Wildlife student tour – after hours at Allco hatchery
23 October	ARSRP full committee meeting – virtual
24 October	BC Wildlife Federation – Reg Franklin Park planting day
26 October	Site tour of Katzie First Nation Lower Alouette habitat restoration projects along the Alouette River
27 October	Staff training – Canadian Charities webinar
28 October	Staff development – Secret Life of Owls webinar with Northern Spotted Owls Project
29 October	Strategic Plan subcommittee meeting
3 November	Public hatchery tour – RSVP only limited numbers – led by ARMS staff
5 November	Call with Katzie First Nation on Alouette Watershed related issues
6 November	Winter Wonderland event – planning meeting
8 November	Reg Franklin Park event – with Green Teams Canada – CANCELLED DUE TO PROVINCIAL HEALTH RESTRICTIONS IN PLACE

ARMS staff working remotely from home again

10 November	Allco hatchery tour – CANCELLED BC Hydro entrainment meeting – virtual
12 November	Board meeting – virtual
14 November	Night Creatures workshop – CANCELLED
15 November	Reg Franklin Park planting event – CANCELLED
17 November	Allco hatchery tour – CANCELLED
19 November	City of Maple Ridge – North Alouette River, Blaney Creek Integrated Stormwater Management Plan presentation and input by ARMS Staff development – Youth Volunteer Mini Summit
20 November	Green Teams Canada – event cancellation meeting
21 November	Night Creatures workshop – CANCELLED
24 November	Allco hatchery tour – CANCELLED
25 November	Adopt-a-Block meeting with Maple Ridge Operations
29 November	Winter Wonderland – volunteer orientation – CANCELLED
1 December	ARSRP sockeye meeting
3 December	Winter Wonderland – event set up – CANCELLED
6 December	Winter Wonderland at Loon Lake Lodge event – CANCELLED
8 December	DFO habitat biologists site visit to Mud Creek with ARMS staff (physically distanced, separate vehicles) ARSRP Work Plan subcommittee meeting – virtual
9 December	ARMS attends Environmental Advisory Committee to provide input on North Alouette ISMP
11 December	North Alouette River ISMP meeting Habitat monitoring at Eikelenboom property for The Land Conservancy
15 December	Maple Ridge Community Foundation Cheque Presentation – virtual
16 December	ARMS office closed for Holidays

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Alouette River Management Society – 2020 Annual Report on Activities