

2020

CAMP



GROUNDS

summer camps delivered

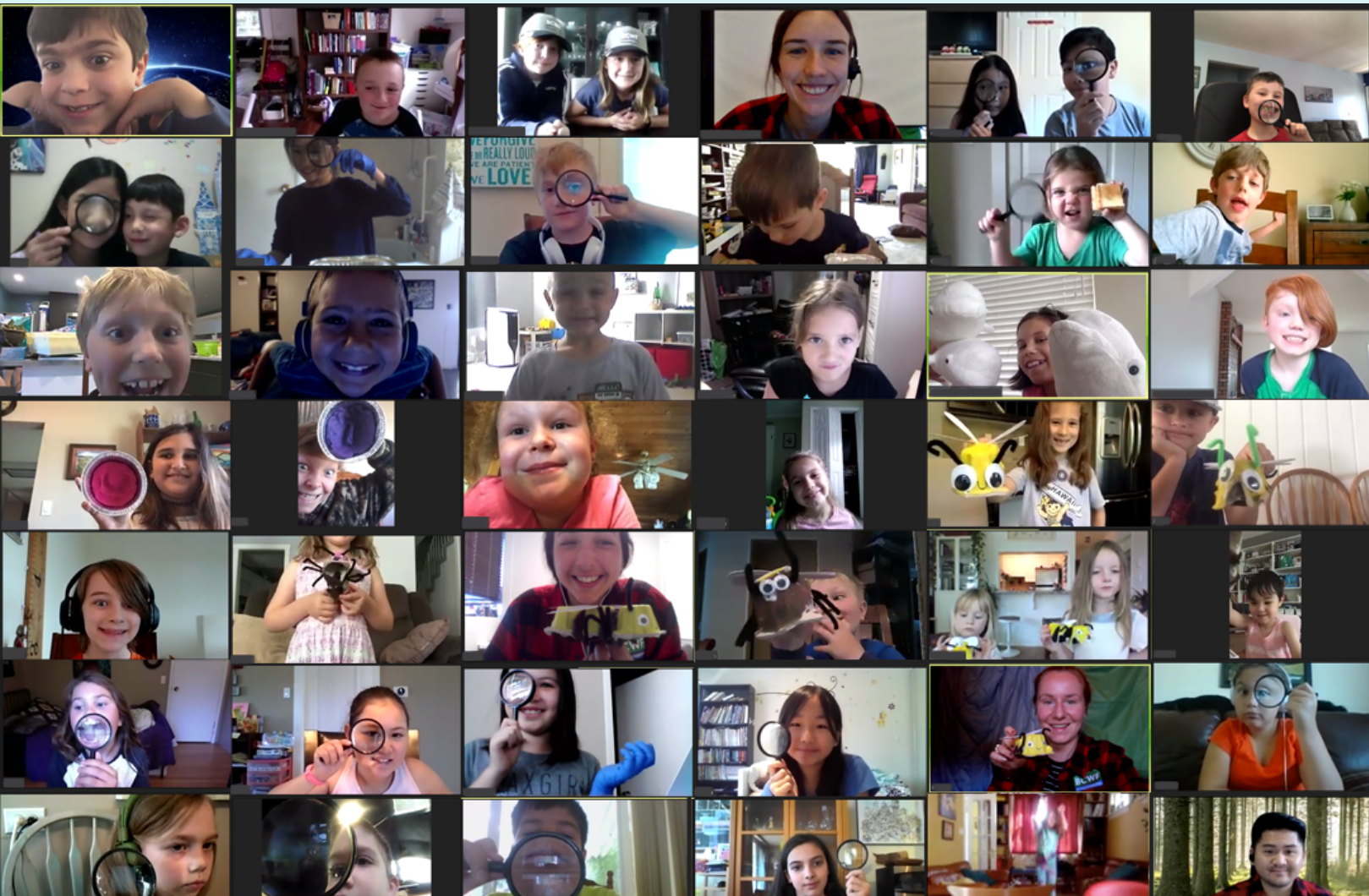


FINAL REPORT

BCWF Campgrounds

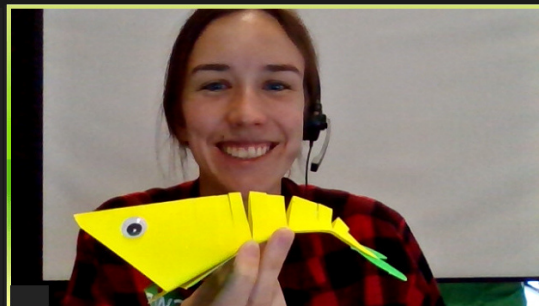
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B.C. WILDLIFE FEDERATION

The B.C. Wildlife Federation (BCWF) is B.C.'s oldest and longest lasting conservation group. Representing 43,000 members province-wide, including over a hundred hunting and angling clubs, BCWF members are on the front lines of BC's wilderness. Education is a critical value for the BCWF. The BCWF aims to develop and support comprehensive educational programs to make all British Columbians aware of the value of fish, wildlife, park, and outdoor recreational resources, and to arouse in the public conscience a recognition of, and a respect for, the place of fish, wildlife and outdoor recreation in the wise, integrated use of the province's natural resources. By providing scientific and fact-based information through presentations, games, and activities, Campgrounds prepares its youth participants to not only understand but also to share and use the information they receive with their local community. Campgrounds is part of the BCWF's long-term mission to protect, enhance, and promote the wise use of the environment for the benefit of present and future generations.



A MESSAGE FROM PRESIDENT BILL BOSCH

B.C. Wildlife Federation's Youth Programs was founded to reconnect youth with nature, fish, and wildlife habitats in an increasingly digital and complex world. Our programs aim to spark curiosity, increase knowledge about the outdoors, and develop a lasting relationship with the natural world. This is typically done through our in-person day and overnight camps. With the onset of COVID-19 and subsequent limits placed on social gathering in 2020, our Youth Programs had to radically reconsider the traditional summer camp and creatively innovate to capture the spirit of the summer camp in a digital format. Although BCWF Youth Programs typically aim to reconnect youth with the great outdoors and take them away from their screens, the COVID-19 pandemic led us to combine the digital and natural world into two unique, accessible, and novel virtual summer camps:

- **Campgrounds** is a digitized summer day camp, where campers gain knowledge and appreciation for the outdoors through hands-on, engaging activities, with supplies delivered to their door.
- **Camp Pass** is a self-paced summer subscription service, with lessons, activities, and videos released weekly.

Although digital, these programs are outdoor-minded, leading, and inspiring youth to take the knowledge they gain online and transform it into applicable survival and conservation skills for the next generation of outdoor enthusiasts. BCWF Youth Programs will continue to develop comprehensive educational programs to increase youth's awareness and appreciation of B.C.'s natural resources, fish and wildlife habitats, and outdoor recreational resources – no matter what form it takes. Youth is our most important asset. It is not only our duty but our obligation to instill in them a love and passion for the natural world so they can continue to protect it when we are gone.



BILL BOSCH

President B.C. Wildlife Federation

CAMPGROUNDS

With the onset of the COVID-19 pandemic, our Youth Programs team quickly realized that in-person camps may no longer be a safe option for our campers, staff, and communities. However, we also understand the importance of camp experiences for children, their ongoing learning about the environment, and childcare for parents. In order to address these needs and continue to serve our province, we adapted our programs to be delivered online.

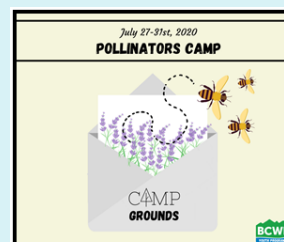
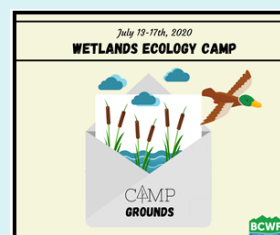
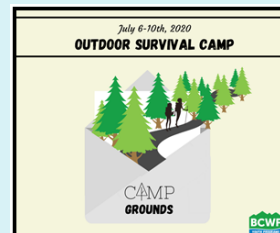
Our team worked long hours to convert all of our content to a digital format, creating a working structure for program delivery, followed by a successful execution of five weeks of virtual summer camps.

Each camp was five days long, with one camp being four days to accommodate for B.C. Day. The camps consisted of a 2.5-hour Zoom call each day that included two lessons and two activities. Mixed into this time were games, icebreaker activities, and breaks to allow campers time away from the screen during this alternate camp format.



CAMPGROUNDS FINAL REPORT

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OVERVIEW

In order to deliver an authentic and engaging camp experience during the COVID-19 pandemic, our team decided the best course of action would be to deliver camps to kids. All of our lessons typically taught during in-person camps were shifted to an online format that could be facilitated over Zoom. In addition, supplies were packaged for a hands-on activities related to each lesson. Each package was shipped and successfully delivered to all campers in a timely fashion. After receiving their camp kits, campers joined BCWF Youth Educators on a Zoom call during their camp week. The following pages outline each week's lessons and activities, supplemented with photos from each respective camp.

CAMPGROUNDS HIGHLIGHTS



87 CAMPERS



4 PROVINCES



3 SOLD OUT CAMPS



INCREASED AGE RANGE TO
INCLUDE 4-6 YEAR OLDS



Camp kits ready to be delivered to participants.

Summary

This week of camp was for children aged 7-9 and focused on how to be prepared to stay safe outdoors. We had a total of 22 campers split into four campgrounds. Although we set an age range, we accommodated siblings and expanded the ages to allow children from 6 - 11. This is an accommodation that is more difficult to make in a traditional in-person camp setting, but the online format allowed for more flexibility. Thank you to Cabela's Outdoor Fund for sponsoring this camp.

OUTDOOR SAFETY & SURVIVAL CAMP HIGHLIGHTS



22 CAMPERS AND **4** CAMPSITES



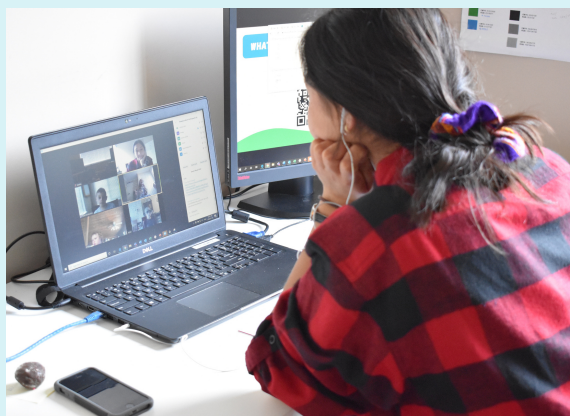
CONNECTED MULTIPLE FAMILIES



CAMPERS AGED **6 - 11**



CAMPERS **ACROSS THE PROVINCE**
FROM B.C., ONTARIO, SASKATCHEWAN
AND MANITOBA



Monday	Tuesday	Wednesday	Thursday	Friday
Introductions	Hug-A-Tree	Shelter-Building	First Aid#1	Fishing 101
Fire Building	Survive Outside	Way Finding	First Aid #2	Wrap up

OUTDOOR SAFETY & SURVIVAL

CAMP SCHEDULE

Monday, July 6:

Introductions and Pre-Quiz:

Campers got to know each other and took a quiz to see what they already knew.

Basic Fire-Building:

Campers learned how to build fires in safe areas, how to implement fuel-sorting techniques, as well as safe extinguishing methods. Activities included sorting fuel levels and making a model fire pit on paper.

Tuesday, July 7:

Hug-A-Tree

This Adventure Smart program teaches kids basic skills they would need to survive long enough to be rescued should they ever be lost in the wilderness.

Survive Outside

This Adventure Smart program focuses on the 3 T's: Trip planning, Training, and Taking the essentials. Campers had the chance to brainstorm what they would need to bring for an adventure outdoors before diving into the essentials!

Wednesday, July 8:

Shelter-Building

Campers learned the basics of shelter building and practiced using an emergency shelter as well as other supplies.

Wayfinding:

This lesson taught the basics of wayfinding, including how to use a compass. Campers then did an activity to practice their wayfinding skills.

Thursday, July 9:

First Aid

This was split into two lessons. Topics included hypothermia, non-life threatening cuts, impalement, slings, splints and heat stroke. Campers also learned the basics of first aid safety.

Friday, July 10:

Fishing 101

Fishing can be a great way to find food in a survival situation. Campers learned the basics including how to tie a clinch knot. They also made a fun fish craft.

Conclusion and Post-Quiz

Campers played some fun games and took a quiz to track their learning from over the week!

Summary

This week focused on everything wetlands! Campers learned about what classifies a wetland and about animals that rely on these ecosystems. At the end of the week youth had the chance to design their own town while considering the environmental impacts. There were 30 registrants for this camp, of which 28 attended. This camp was offered for free, increasing the accessibility of wetlands education for youth in all income brackets. Thank you to Wildlife Habitat Canada for sponsoring this camp.

WETLANDS CAMP HIGHLIGHTS



SOLD OUT CAMP



LARGEST CAMPGROUND
WITH **6** GROUPS PER DAY



FREE CAMP



MULTIPLE CAMPERS TAUGHT
FAMILIES HOW TO PLAY BOARD
GAME ACTIVITY



Monday	Tuesday	Wednesday	Thursday	Friday
Introductions	Cervids	Raptors	Waterfowl	Dragonfly Pond
What are wetlands	Types of Wetlands	Migration	Invasive Species	Wrap up

WETLANDS

CAMP SCHEDULE

Monday, July 13:

Introductions and Pre-Quiz:

Campers got to know each other and took a quiz to see what they already knew.

What are wetlands:

This lesson focused on the three key ingredients that make a wetland. Campers then explored the soil found in wetlands by making models of the soil layers.

Tuesday, July 14:

Cervids

This lesson focused on the main traits of a cervid and how to identify the cervids that live in B.C. Campers also practiced making track molds with plaster.

Types of Wetlands

Campers learned how to identify the five different types of wetlands. They followed the lesson with the chance to make a model wetland out of clay.

Wednesday, July 15:

Raptors

Our raptors lesson focused on the types of raptors in B.C. and how to identify them, as well as highlighting some conservation concerns. The activity for this lesson was dissecting an owl pellet.

Migration:

Campers were introduced to animals that migrate by land, water, and air. They then played a board game to simulate the difficulties migrating animals may face.

Thursday, July 16:

Waterfowl

Ducks, geese, and swans were the stars of this lesson! Campers had the opportunity to try cleaning oil from a feather and learned about the harm human impacts can have on waterfowl.

Invasive Species

Campers learned about the damage that invasive plants cause to our ecosystems and economies. They also competed in a Jeopardy-style game to see who was an invasive species expert!

Friday, July 17:

Dragonfly Pond

This lesson put campers in the shoes of city planners as they worked to design a city while trying to preserve the sensitive ecosystems nearby.

Conclusion and Post-Quiz

Campers played some fun games and took a quiz to track their learning from over the week!

Summary

This camp was targeted at youth ages 10-15. The goal was to inspire and empower them with the knowledge and tools to combat climate change in their own lives! This camp had a smaller capacity due to other programming needs among our staff. We ran one campsite for the week with a total of 6 campers. Thank you to British Columbia Conservation Foundation for sponsoring this camp.

CLIMATE CHANGE CAMP HIGHLIGHTS



5 CAMPERS, 1 ADDITIONAL SIBLING JOINED



SEVERAL NEW LESSONS CREATED ABOUT CLIMATE CHANGE



CAMPERS AGED **10 - 13**



Monday	Tuesday	Wednesday	Thursday	Friday
Introductions	Connecting to Nature	Forest Management	Ocean Waste	The Path Forward
Intro to Climate Change	GHG emissions	Biodiversity	Ocean acidification	Action Plan & Wrap up

CLIMATE CHANGE

CAMP SCHEDULE

Monday, July 20:

Introductions and Pre-Quiz:

Campers got to know each other and took a quiz to see what they already knew.

Intro To Climates

This lesson highlighted the difference between climate and weather. Campers explored the interconnectedness of nature by making an interaction web.

Tuesday, July 21:

Connecting to Nature

Campers learned about the benefits that nature provides them with.

GHG Emissions

This lesson explored the greenhouse effect by having campers examine their own carbon footprints. Campers also created their own greenhouse in a cup.

Wednesday, July 22:

Changing Forests

Campers looked at case studies of forests around the world and made model forests to learn more about forestry techniques.

Biodiversity:

Campers learned what biodiversity is and why it is vital to our ecosystems. This lesson featured a "biodiversity meet-and-greet" where youth learned about endangered species and their role in the environment.

Thursday, July 23:

Ocean Waste

This lesson focused on plastic in our oceans and the steps campers could take to reduce their waste. They also made a landfill in a bottle that they could observe over time.

Ocean Acidification

Campers learned about the causes and effects of ocean acidification, and conducted an experiment to look at pH changes.

Friday, July 24:

The Path Forward

Campers learned about actions others are taking to stop climate change as well as the steps they can take in their own lives.

Conclusion and Post-Quiz

Campers played some fun games and took a quiz to track their learning from over the week!

Summary

Bees, birds, bats and more! This camp was aimed for children between the ages of 4-6. They were BCWF Youth Programs' youngest campers ever! We introduced them to the power of pollination and the amazing creatures that support this process. Activities centered around familiarity with pollinators and conservation projects to make homes and food sources for these important creatures. This camp transformed the campers into pollinator protectors! Thank you to CapriCMW for sponsoring this camp.

POLLINATORS CAMP HIGHLIGHTS



15 CAMPERS



SUCCESSFULLY STARTED
PROGRAMMING FOR **4 - 6**
YEAR OLDS



HANDS-ON POLLINATOR
CONSERVATION PROJECTS:



FREE & FULLY BOOKED CAMP



Monday	Tuesday	Wednesday	Thursday	Friday
Introductions	Pollinators	Different Types of Bees	Butterflies	Pollinators and People
Pollination and Plants	Bee Basics	Honeybees	Birds	Wrap up

POLLINATORS

CAMP SCHEDULE

Monday, July 27:

Introductions and Pre Quiz:

Campers got to know each other and took a quiz to see what they already knew.

Pollination and Plants

This lesson explored the anatomy of plants and the basics of pollination. Campers then played a game to learn more about the process of pollination, as well as making a flower craft.

Tuesday, July 28:

Pollinators

Campers learned about the different types of pollinators in the world. They also did an activity to see how pollen transfer occurs as pollinators come in contact with flowers.

Bee Basics

Campers learned the anatomy of a bee and what is characteristic of the unique pollinator! They then made an egg carton bee craft.

Wednesday, July 29:

Different Types of Bees

This lesson looked at the different types of bees that call B.C. home. Then campers made a mason bee home to put outside their house.

Honeybees

Campers learned about all the types of bees in a honeybee hive and how they communicate. They even got to practice their own waggle dance.

Thursday, July 30:

Butterflies

This lesson examined how butterflies are important pollinators, and went into depth on their life-cycle. Campers painted butterfly masks.

Birds

Campers looked at different birds from all over the world that act as pollinators. Then campers made hummingbird feeders for their yards.

Friday, July 31:

Pollinators and People

This lesson reviews why pollinators are important to humans and the environment. Then campers planted native flowers to put in their yard for their local pollinators.

Conclusion and Post-Quiz

Fun games and a quiz to track learning from the week!

Summary:

Our Wildlife Camp was for kids aged 6-9. We had 14 campers who were split into 3 campgrounds. This camp focused on the animals that call British Columbia home. Additionally, this camp addressed conservation concerns surrounding different animal species. The wildlife camp also gave campers the opportunity to discuss how we can all play a role in protecting B.C.'s unique and precious wildlife. Thank you to Wildlife Habitat Canada for sponsoring this camp.

WILDLIFE CAMP HIGHLIGHTS



14 CAMPERS AND **3** CAMPGROUNDS



CAMPERS AGED **6 - 9**



FREE & FULLY BOOKED CAMP



HANDS-ON CONSERVATION
SKILLS: MAKING BIRD RESCUE NESTS,
CLEANING FEATHERS.



Monday	Tuesday	Wednesday	Thursday	Friday
	Introduction	Wildlife Rehab	Waterfowl	Raptors
	Migration	Cervids	Fishing 101	Wrap up

WILDLIFE

CAMP SCHEDULE

Monday, August 3:
B.C. Day - NO CAMP

Tuesday, August 4:

Introductions and Pre Quiz:

Campers got to know each other and took a quiz to see what they already knew.

Migration

Campers were introduced to animals that migrate by land, water, and air. They also learned about the challenges that migrating animals face. This lesson was supplemented by a board game to show campers how difficult migration can be.

Wednesday, August 5:

Wildlife Rehab

This lesson focused on knowing when wild animals need help and how campers can help if it is needed! The activity for this lesson showed youth how to make a rescue nest for a bird that had fallen out of a nest.

Cervids

This lesson focused on the main traits of a cervid and how to identify the cervids that live in BC. Campers then practiced making track molds with plaster.

Thursday, August 6:
Waterfowl

Ducks, geese and swans were the stars of this lesson! Campers had the chance to try cleaning oil from a feather and learning about the harm human impact can have on waterfowl.

Fishing 101

Fishing can be a great way to find food in a survival situation; campers learned the basics and learned how to tie a clinch knot. They also made a fun fish craft.

Friday, August 7:

Raptors

Our raptors lesson focused on the types of raptors in BC and how to identify them, as well as highlighting the conservation concerns for some species. Campers then dissected an owl pellet.

Conclusion and Post-Quiz

Fun games and a quiz to track learning from the week!

LEARNING OUTCOMES

As a part of the Campgrounds program, campers were asked to complete both a pre- and post-camp quiz with questions relevant to the Campground theme. Questions were identical on both quizzes and were intended to show improvement in camper knowledge over the week. Most but not all campers completed their quiz. Averages showing improvement are only based on those who submitted *both* the pre- and post- camp quizzes.

METHODS

Results were derived by comparing pre-camp quiz results to post-camp quiz results for each camper. Questions with multiple options were given higher point values and scores were then calculated as percentages. Quiz results varied between each program as they all had different themes and testable knowledge. Quiz results allowed the Youth Programs team to evaluate overall camper improvement. It also allowed the team to see which Campgrounds were most effective in teaching new skills and nature knowledge to campers, and which Campgrounds may require further improvement. Note that variance in program delivery between camps could impact results. Additionally, the phrasing of some questions may not have accurately reflected learning outcomes and will be adjusted in future pre- and post-camp assessments.

Data analysis is based on raw statistical data. Standard deviations and standard error of the results have not been calculated. Results from each camp can be provided upon request.

RESULTS

Based on the lists of registered campers, there were a total of 87 registered participants with an additional 3 camper siblings between 5 camps and an average improvement of 23–26% in nature-related knowledge based on the camp quizzes.

CONCLUSION

These Campgrounds were the first attempt made by BCWF Youth Programs to provide quality outdoor education to youth in an online environment. These programs managed to successfully inspire and uplift young people across the province during a difficult time, while also greatly improving their outdoor, conservation, and nature knowledge.



24 – 26 %

IMPROVEMENT IN
NATURE-RELATED KNOWLEDGE



52 %

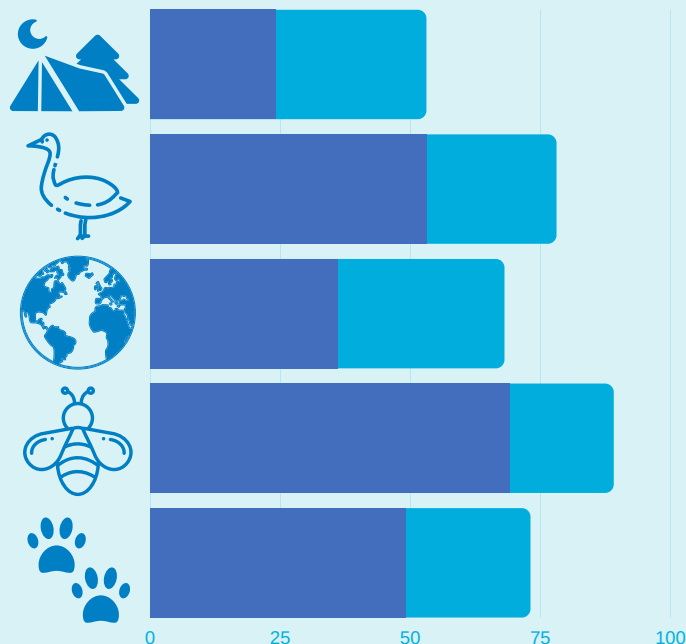
IMPROVEMENT IN TWO CAMPERS'
NATURE-RELATED KNOWLEDGE

CAMPER QUIZ RESULTS






HIGHLIGHTS

- Campgrounds reached approximately 90 children and youth across the province, giving them a chance to make friendships and get outdoors during the difficulties and isolation of COVID-19
- Campers increased their nature knowledge by an average of 23-26 %
- Two campers, one in Outdoor Safety & Survival and one in Climate Change, improved their knowledge by 52%

CAMPGROUNDS CAMPER QUIZZES



Above: Average increase in nature knowledge for each Campground theme. Pre-camp scores are in **dark blue**; difference in post-camp scores is shown in **light blue**.

	# PARTICIPANTS	PRE-CAMP (%)	POST-CAMP (%)	IMPROVEMENT (%)
 OUTDOOR SAFETY & SURVIVAL	24	24	53	26-29
 WETLANDS	31	53	78	24-25
 CLIMATE CHANGE	5	36	68	32
 POLLINATORS	16	69	86	19-20
 WILDLIFE	14	49	73	22-24
AVERAGE	90	46	71	24-26%

*Percentage ranges are based on differences between calculated scores, based on camper absences.

Not all campers participated. Results rounded to the nearest whole number.

PARENT SURVEY OVERVIEW

Parents of BCWF Campgrounds campers were asked to complete a post-camp survey in which they ranked camps for enjoyment, program length, age-appropriateness and overall value. 40 parents participated in the parent survey, or approximately half of the total parents of campers. The largest amount of parent feedback (41.9 %) came from the Wetlands Campground.

METHODS

Parents were emailed an end-of-camp survey. All data was collected using a Google form. Responses were compiled and turned into percentages.

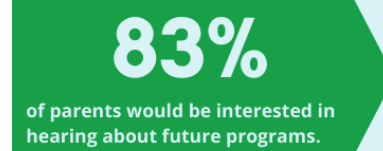
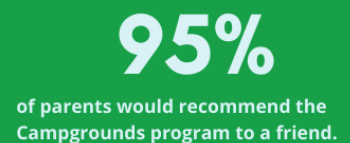
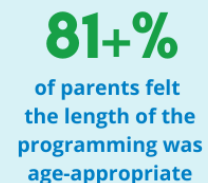
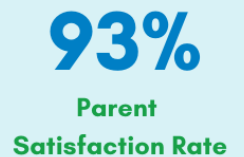
RESULTS

Based on the camp feedback overall, average satisfaction and enjoyment among parents was 93% and 90% among campers. Most thought that the program lengths were appropriate and that the number of breaks was perfect. Additionally, programs were not difficult, with an average difficulty score of 1.8-2/5, where 5 is most difficult. On average, 95% of parents would recommend this program to others and 94% thought that the program value was worth the cost (\$75.00 CAD). Note that all scores given are out of 5 and percentages are calculated to the nearest whole number, when appropriate. Relevant results are illustrated in graph form and included on the next page.

CONCLUSION

The parent surveys show strong satisfaction from parents with regards to program length, content, and cost-for-value. Additionally, the feedback that parents included in their survey responses has provided a basis for future program development and improvement. Particular areas of focus include modular learning and age-appropriateness. Parent feedback also demonstrated a need for investing and improving the use of technology so that set-up is smoother for parents when participating in virtual youth programs.

CAMPGROUNDS PARENT SURVEY

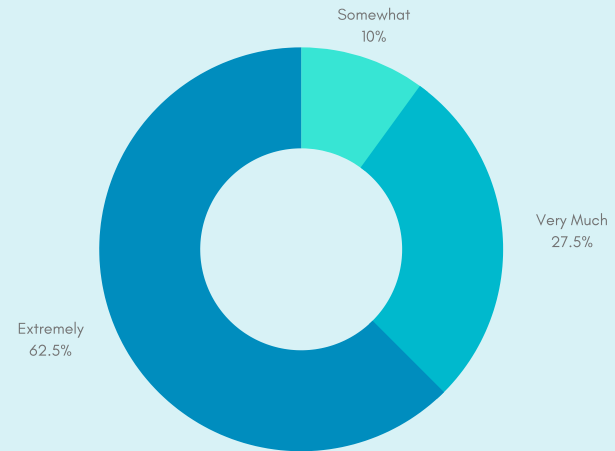


PARENT SURVEY RESULTS

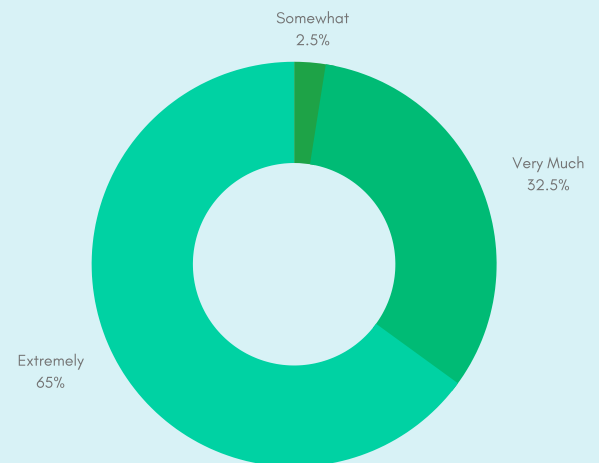
HIGHLIGHTS

Parent surveys consisted of 24 questions that were designed to collect information on camp satisfaction, participant demography, and camp improvements. A total of 40 parents participated. Survey results are illustrated here to feature highlights from these surveys. Full parent survey results are available upon request. Overall, 65% of parents were extremely satisfied and 32.5% were very satisfied with BCWF Campgrounds. About 78% of parents would strongly recommend these camps and the same percentage of parents were strongly interested in enrolling their children in future programming.

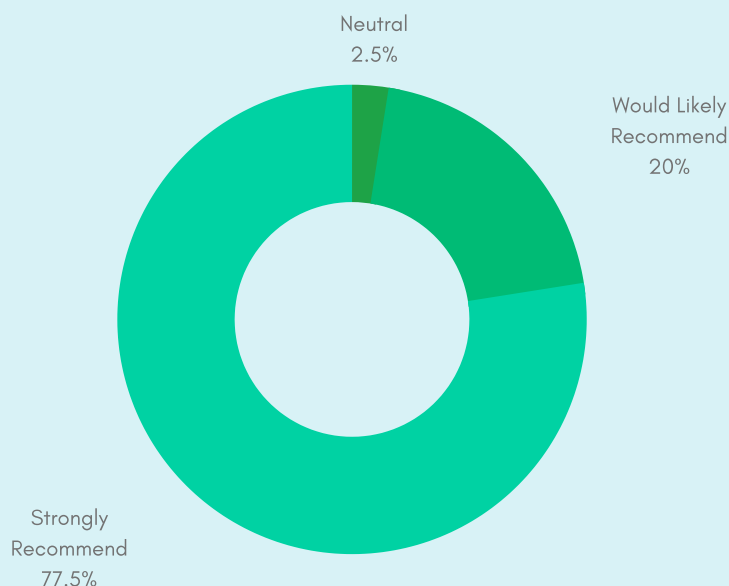
HOW MUCH CAMPERS ENJOYED BCWF CAMPGROUNDS



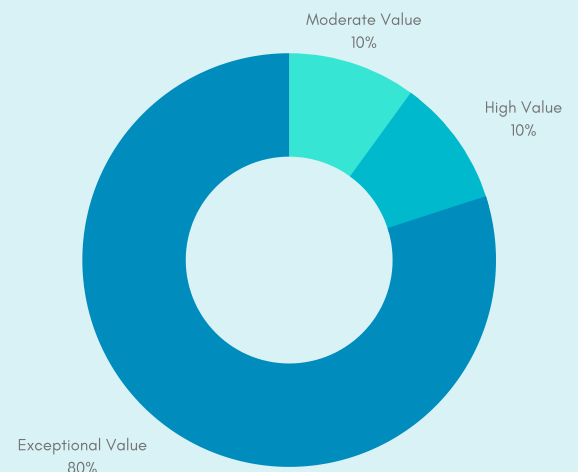
HOW MUCH PARENTS ENJOYED BCWF CAMPGROUNDS



WOULD PARENTS RECOMMEND BCWF CAMPGROUNDS?



COST VALUE OF BCWF CAMPGROUNDS



THANK YOU TO OUR SPONSORS

Our programs would not be possible without the help and support of these organizations. Thank you for inspiring the next generation of outdoor enthusiasts!

