

BC TRAIL SURVEY FINDINGS



Outdoor Recreation
Council of BC

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Executive Summary

The Provincial Trails Advisory Body and the Outdoor Recreation Council of BC gathered data to better understand how to support BC trails and how to assess options for the development of sustainable trail funding as described in the Trails Strategy for BC. The trail survey was an online survey that was open to BC organizations that work on trails. It collected data on the types of trails projects that exist across the province, determined current funding methods, and evaluated the need for trail funding. The survey's main responses are from non-profit organizations that conduct direct trail work. Responses were also received from organizations that support others doing direct trail work and organizations interested in direct trail work.

The survey found that there is a need for additional trail funding in BC. Most organizations indicated that they would be highly likely to apply for trail funding and around 60% of organizations indicated that they could not take on trail projects due to a lack of funding.

Data was collected on funds and resources. Respondents ranked the difficulty of accessing funds and resources. Namely, collecting membership fees was perceived to be the easiest and finding corporate sponsors was perceived to be the hardest. Fund sources for trail projects varied. Notably, most organizations used membership fees, donations, and provincial government funding to fund trail work.

The survey also explored the cost, size, and type of trail work. Costs of trail work vary greatly. Many organizations have costs on the lower end of the range; however, there are almost always significant extreme outliers that have very high costs. Similarly, trail project sizes (such as cost of trail projects or kilometers of trails maintained) mostly tend to be on the lower end of the range but there are extreme outliers with high values. The survey found the most common type of trail activity is trail maintenance.

Objective: Understanding BC trail work

This survey was taken to better understand trail work in BC. Trail work refers to trail construction, trail maintenance or any other activity that enhances trail systems. This can include trail facilities and amenities, trail funding and trail programs. In BC, there is a general acknowledgement that a significant portion of trail work is driven by volunteers, community, and organizations; however, information about these groups and about their trail work is limited. This trail survey aims to collect and analyze data to better understand the contributions of these groups to BC trail systems.

Survey methodology

The survey explored topics related to trail work such as:

- Funding sources and capabilities
- Barriers to performing trail work
- Type of trail work activities
- Size and scope of trail maintenance and construction projects
- Cost of trail maintenance and construction projects
- Demographic information about responding organizations

Survey Design process

The survey consisted of 46 questions but not all questions were asked to each respondent. To ensure that organizations were being asked relevant and appropriate questions, the survey used skip logic. That means that the appearance of certain question depended on previous responses. Most notably, organizations were sorted into three categories. Organizations that had:

- 1) done direct trail work such as trail maintenance, trail construction, trail user programs, or other direct trail enhancements from 2018 to 2020
- 2) provided funding or other support for organizations that are doing direct trail work from 2018 to 2020
- 3) been interested in trail work but been unable to do any from 2018 to 2020

Respondents were only asked questions for their corresponding category or categories. Organizations that did not fall into one of these categories were not asked to respond. The years were limited from 2018 to 2020 to receive the most accurate and recent information. The survey design considered some impacts of COVID-19.

Method of Distribution

The survey was conducted online via Qualtrics. It was open from September 2nd, 2020 to September 25th, 2020. Respondents accessed the survey through an anonymous link. The survey was mainly distributed with an email campaign. The main groups of recipients were contacts of the Outdoor Recreation Council, of Recreation Sites and Trails BC and of BC Parks. Another significant contact list was one compiled of trail organizations that had publicly accessible contact information. Together, these contact lists consisted of 1110 email addresses. (Please note some of these email addresses may have been inactive.) The survey was also distributed on the Outdoor Recreation Council's Facebook page and it may have been distributed internally within organizations.

Key Findings

The following sections highlight key findings and provide explanations for parts of the data analysis. All survey questions and results can be referenced in the appendices. The key findings have been divided into 4 sections which address different respondent groups.

General

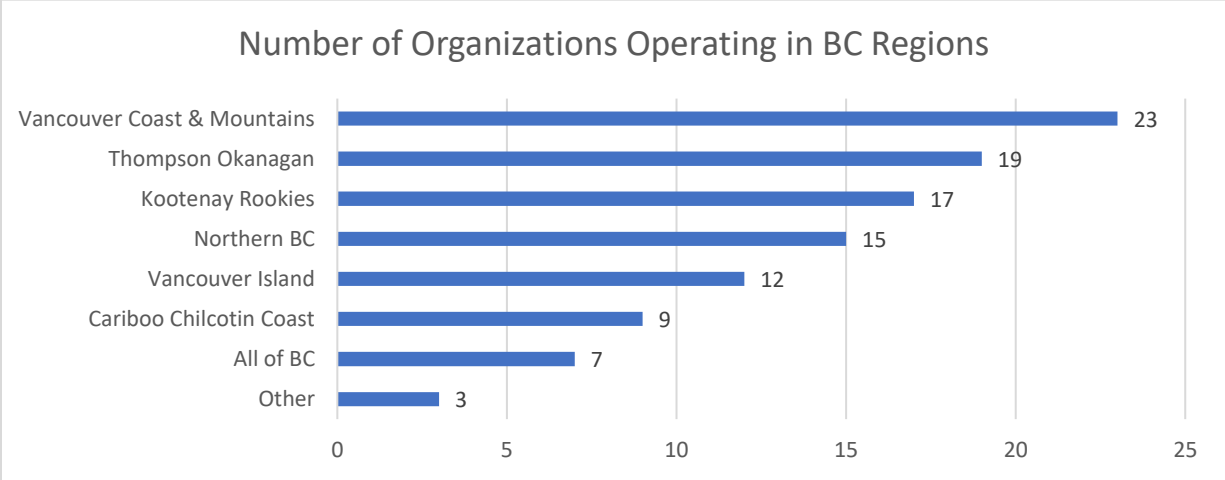
This section addresses information about respondents and about their access to funding and resources. Questions in this section were asked to all respondents.

About the Respondents

In total, there were 113 valid respondents from individual trail organizations. As can be seen in figure 1, responses were well distributed across different regions in BC. Identifiable variables of the responding organizations are that:

- 89% did direct trail work from 2018-2020 (Appendix A: Q1)
- 90% are non-profit organizations (Appendix A: Q4)
- 61% represent a specific group of trail users (Appendix A: Q6).

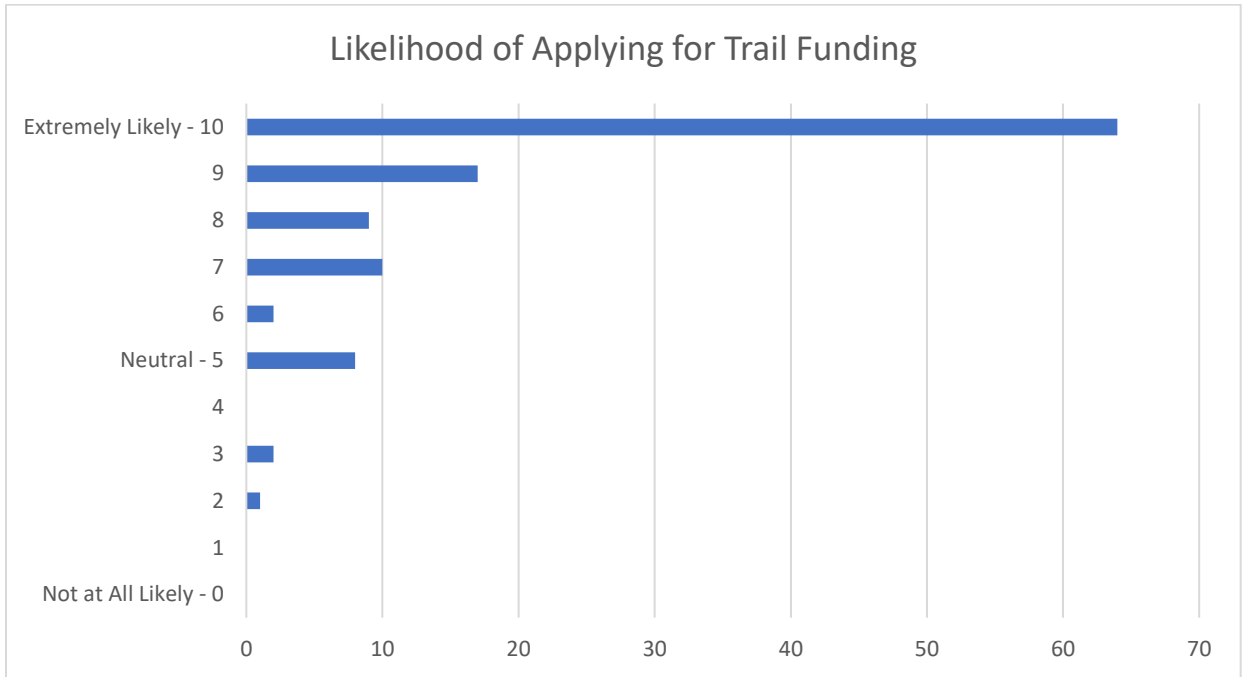
Figure 1



Access to Funds and Resources

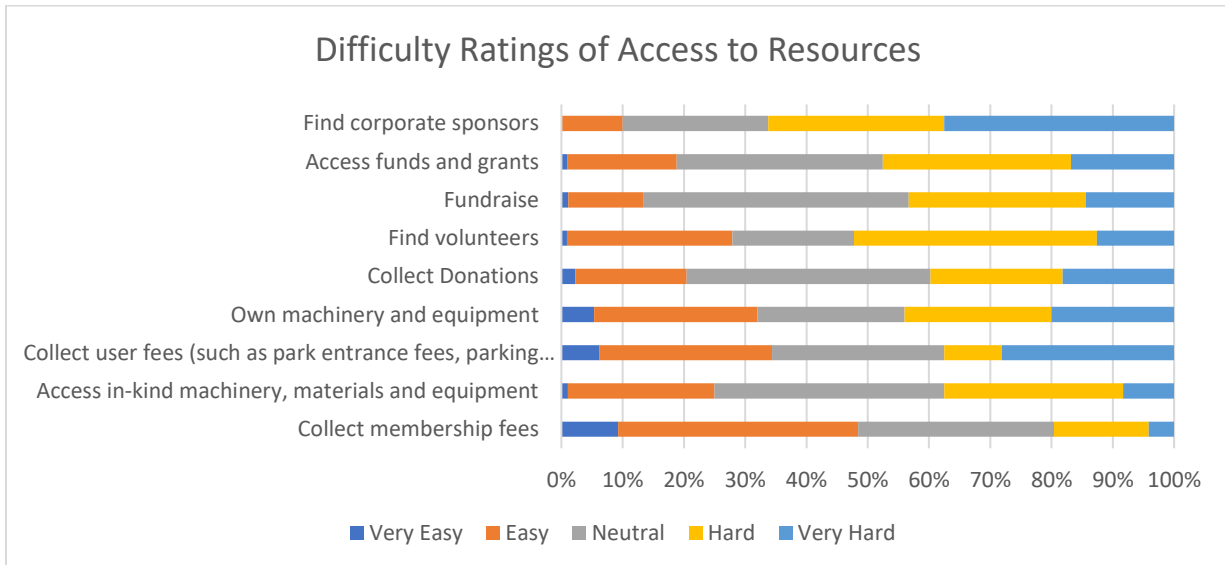
Responses confirmed the need for more trail funding. Figure 2 illustrates that the likelihood of respondents applying to new trail funding is very high. Additionally, 47% of respondents could not take on trail projects due to a lack of funding (Appendix A: Q11).

Figure 2



Respondents were asked to rate the difficulty of accessing funds and resources. A rating of 1 indicates that the activity is very easy, while a rating of 3 indicates that it is neutral and a rating of 5 indicates that it is very hard. The most difficult activity is finding corporate sponsors which has a mean rating of 3.94. The following two hardest activities are accessing funds and grants (rating of 3.45), and fundraising (rating of 3.43). The easiest activity, collecting membership fees, has a mean rating of 2.66. It is the only mean rating below the neutral 3. Figure 3 illustrates the distribution of the ratings for all activities referenced in the survey.

Figure 3



Respondents were also asked how COVID 19 affected access to funds and resources. For the most part, respondents indicated that the difficulty remained the same or became more difficult (Appendix A: Q10).

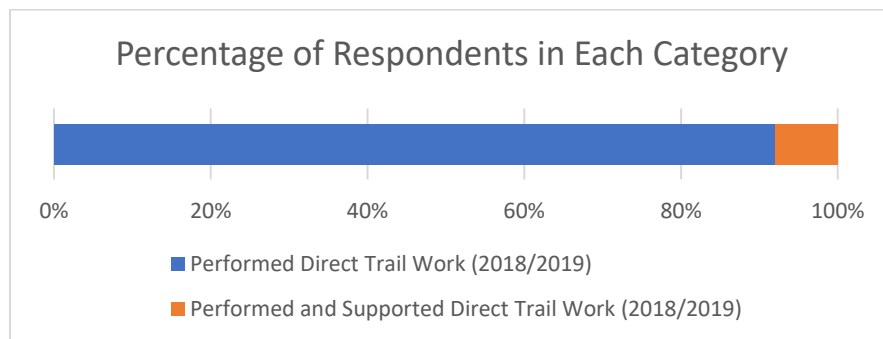
Direct Trail Work

Respondents in this section indicated that from 2018 to 2020, they had done direct trail work such as trail maintenance, trail construction, trail user programs, or other direct trail enhancements.

About the Direct Trail Work Organizations

The total number of respondents in this section is 101; however, not all respondents answered every question. In this category, 92% of respondents indicated that they only performed direct trail work; while 8% indicated that they both performed direct trail work and supported other organizations doing direct trail work (figure 4).

Figure 4



Responses were received from all parts of BC. All regions were well represented. The most responses came from Vancouver Coast & Mountains, Thompson Okanagan and Kootenay Rookies (figure 5).

Figure 5

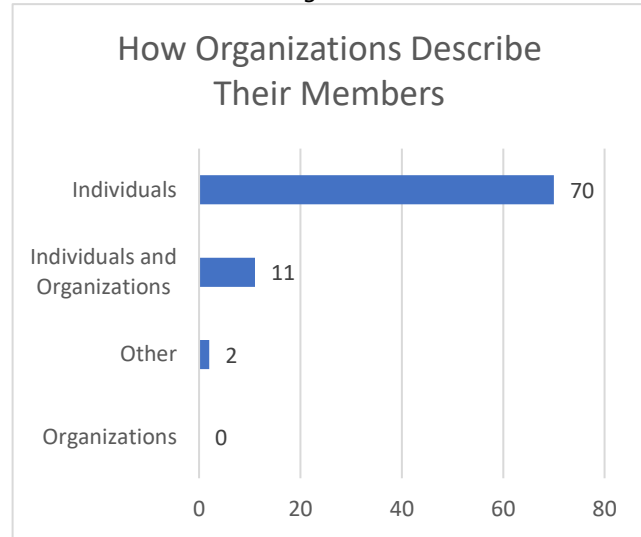


Respondents were asked to choose the option that best describes their organization (figure 6). Notably, 89% (83/93) of respondents described their organization as a non-profit organization. Respondents in the “other” category included individual trail contract stewards and local groups. 70 respondents described their members as individuals; 11 described them as individuals and other organizations; and 2 described their members as other (figure 7).

Figure 6



Figure 7



Type of Trail Projects Undertaken

In 2018 and 2019 the most common types of trail work were: (1) maintaining existing trails, (2) maintaining trail amenities, facilities, or signage and (3) constructing trail amenities, facilities, or signage (figure 8).

Figure 8



Responses in the “Other” category included; marine trail work, improving access roads, trail building workshops, hosting events, promoting trail culture, guiding hikes, historical guides,

historical interpretive paneling, e-bike charging outlets, maps, protecting trails from deactivation, preparing for construction, seeking legal protection and updating management principles.

Respondents were asked to indicate the percentage of effort spent on each type of activity. This information should be used to understand how organizations **perceive their efforts**. “Effort” was open to each organization’s interpretation. This data does not account for the size of organizations nor does it account for the size of projects; therefore, it does not reflect the overall province-wide effort spent on each activity.

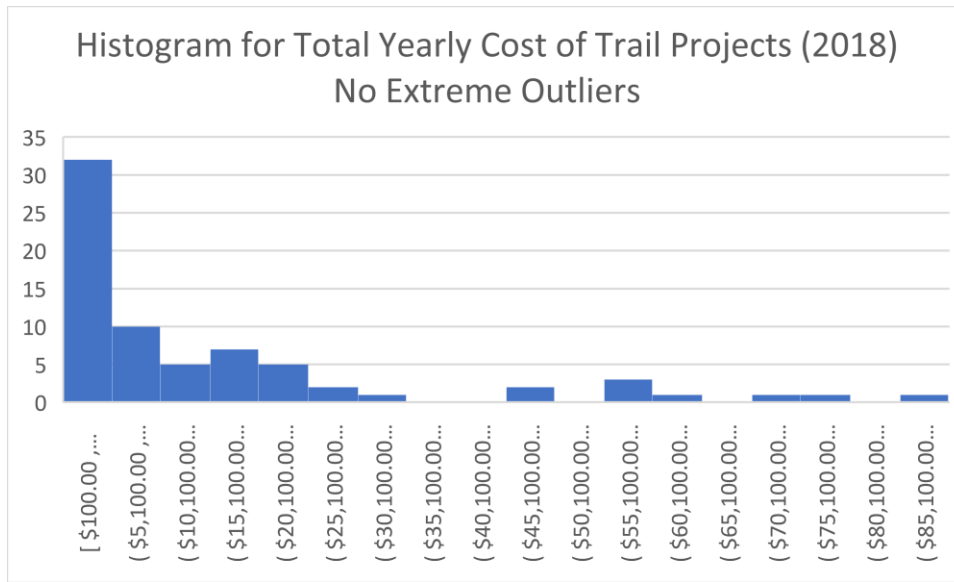
Figure 9: Perceived Effort of Trail Work Activities

Field	Minimum Effort	Maximum Effort	Mean Effort	Number of Responses
Construct new trails	2%	75%	28.02%	42
Maintain existing trails	0%	100%	60.1%	98
Construct trail amenities/facilities/signage	0%	100%	16.53%	66
Maintain trail amenities/facilities/signage	0%	50%	13.38%	73
Work with Indigenous groups	1%	20%	6.62%	21
Trail safety programs	0%	55%	9.66%	32
Cultural/heritage trail preservation	0%	20%	7.13%	15
Other:	0%	30%	11.92%	13

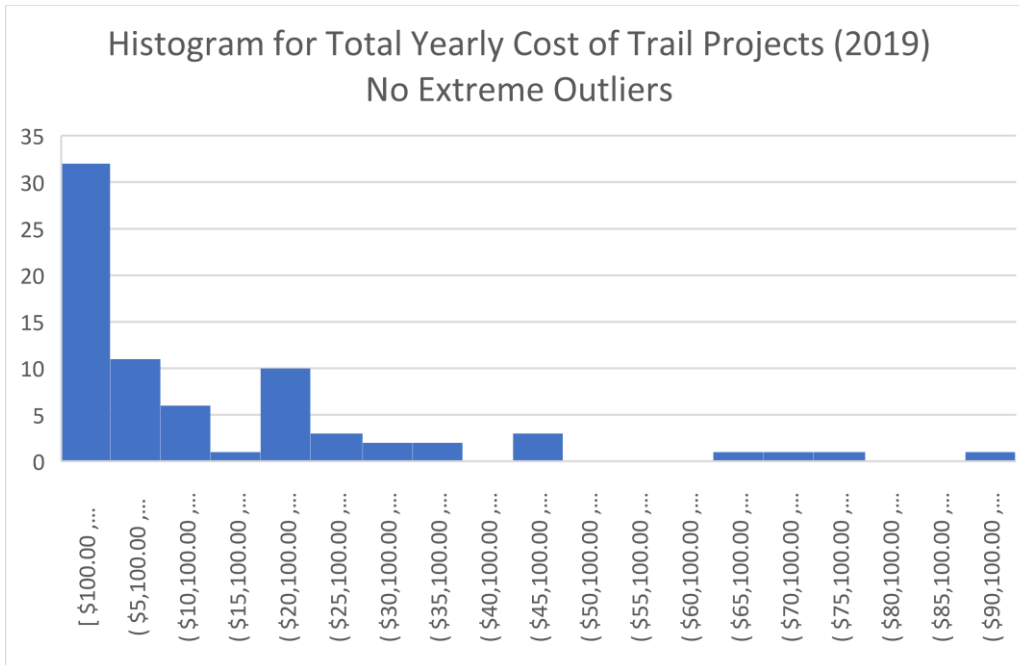
Funding for Trail Projects

Total yearly costs of trail projects for organizations in 2018 and 2019 ranged from \$100 to \$1.75 million in 2018 and from \$100 to \$3.35 million in 2019 (Appendix B: Q21). Both maximum levels represent a local government; these values are extremely high when compared to most organizations. The highest yearly spending from a non-profit organization was \$483,000 in 2018 and \$595,000 in 2019; these numbers also represent extreme outliers. Most organizations spent between \$100 - \$5100 as can be seen in figure 10.

Figure 10



*Histogram bin sizes are \$5,000 and the first bin starts at the minimum.

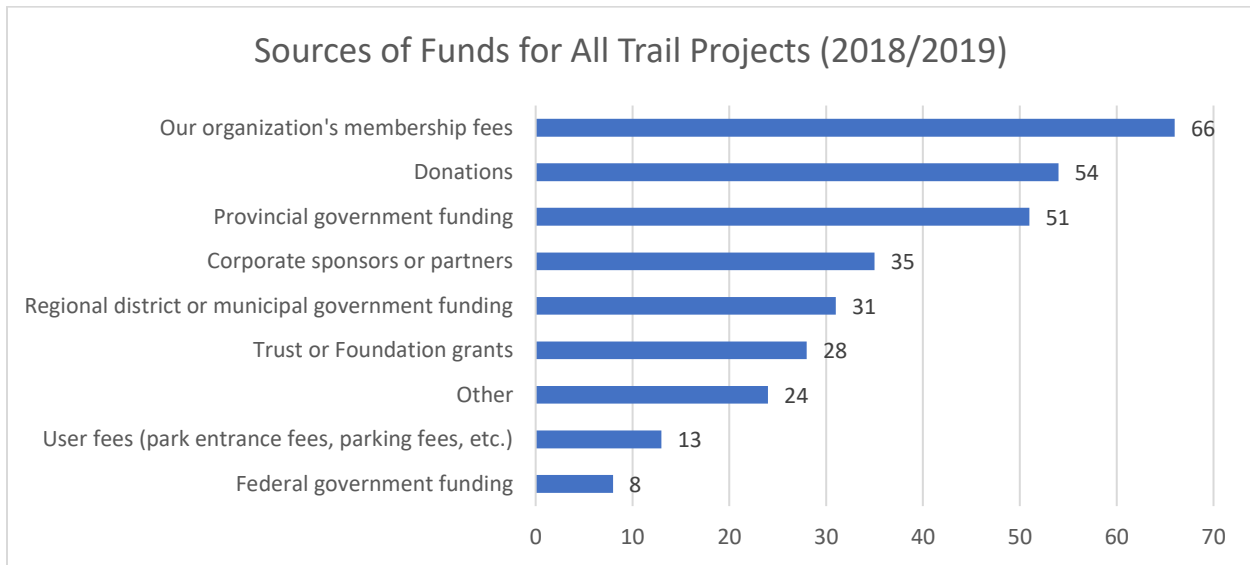


*Histogram bin sizes are \$5,000 and the first bin starts at the minimum.

Figure 11 illustrates the sources of funding for responding organizations. This data does not consider the size of funds received from each source. The most common sources were:

- The organization's membership fees (66 respondents)
- Donations (54 respondents)
- Provincial Government funding (51 respondents)

Figure 11



To estimate the size of funds, respondents were asked to identify the percentage of funds coming from each source (Appendix B: Q17). The percentage of funds and total yearly trail costs for each organization were used to determine the total sum of funds coming from each source for 2018 and 2019. Figure 12 estimates the amount of funding non-profit organizations received in 2018 and 2019 from each source. These figures are not exact and should only be used as an approximation. Only non-profit organizations are included in figure 12 because responses from other entities such as local governments were significantly changing the results.

Figure 12: Sum of Trail Project Costs in 2018 and 2019 Weighted by Fund Source Percentages for Non-profit Organizations

	TOTAL SUM	TOTAL PERCENTAGE
Our organization's membership fees	\$ 608,659.78	14%
Federal government funding	\$ 187,956.50	4%
Provincial government funding	\$ 1,052,628.77	24%
Regional district or municipal government funding	\$ 825,920.85	19%
Corporate sponsors or partners	\$ 370,641.56	9%
User fees (such as park entrance fees, parking fees, etc.)	\$ 122,200.00	3%
Donations	\$ 348,072.39	8%
Trust or Foundation grants	\$ 618,927.50	14%
Other	\$ 180,274.65	4%
Total	\$ 4,315,282.00	

Volunteer and Work Hours

Around 56% of organizations tracked volunteer/work hours in 2018 and around 63% of organizations tracked volunteer/work hours in 2019 (Appendix B: Q22).

Organizations were asked to estimate the hours volunteers, contractors, paid staff, or others contributed to trail work. Overall, volunteers accounted for nearly twice as many hours as did paid staff, and volunteers accounted for over 6 times as many hours as contractors (Appendix A: Q23). In sum, volunteer hours in 2018 were an estimated 62,310 hours (50 respondents) and in 2019 volunteer hours were an estimated 62,970 hours (56 respondents) (Appendix A: Q23). Please consider that this data mainly serves as approximate hours and not actual hours. Furthermore, not all respondents were able to answer, which may indicate that of all respondents, actual hours may be higher.

At a pay rate between \$15/hour to \$25/hour, the total value of volunteer hours from the respondents may be estimated between \$934,650 to \$1,557,750 in 2018 and between \$944,550 to \$1,574,250 in 2019.

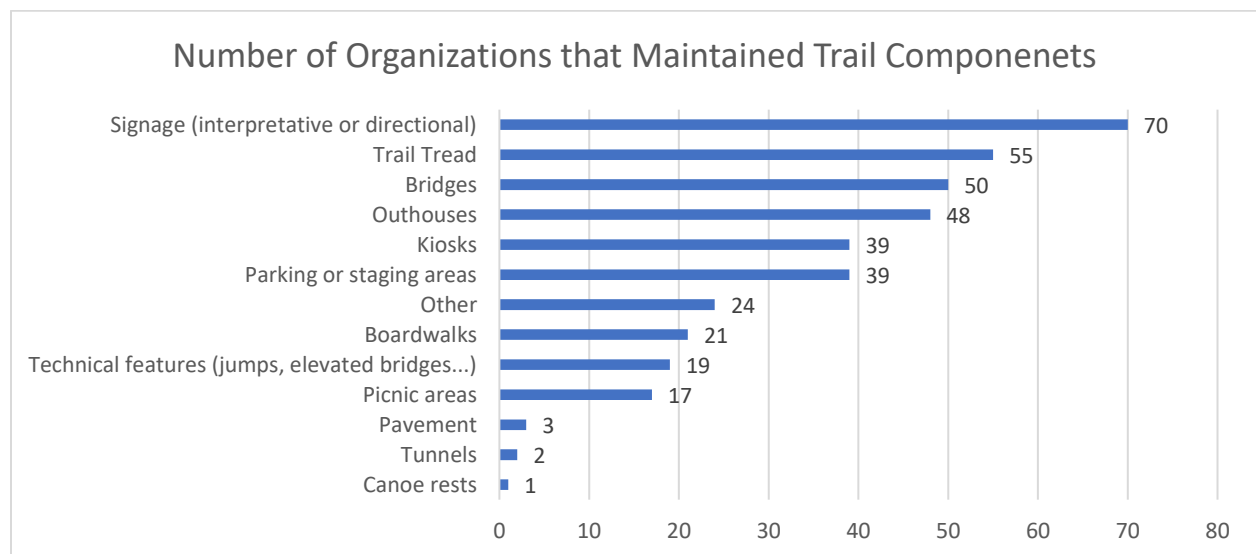
Maintenance Activities and Costs

97% of 94 respondents indicated that they maintained trails from 2018 to 2019 (Appendix B: Q25). This group of respondents were asked questions to gather a better sense of the type of maintenance activities they performed and their associated costs.

Overall, the sum of kilometers of trails maintained in 2018 was 8300km and in 2019 it was 8527km (Appendix B: Q26). The range of kilometers maintained per organization was between 1km to 880km in 2018, and between 1km to 840km in 2019 (Appendix B: Q26). Notably, most organizations maintained trails between the range of 1km to 31km (Appendix B: Q26).

Figure 13 illustrates trail components that were maintained. Some of the responses in the “Other” category included cabins, huts, emergency shelters, campsites, drainage, brushing, removal of natural elements, safety infrastructure, benches, and refurbishment.

Figure 13



Maintenance costs ranged from \$25 to \$475,000 in 2018 and from \$70 to \$386,000 in 2019 (Appendix B: Q27). The largest group of respondents indicated that maintenance costs were approximately below \$5000 (Appendix B: Q27).

Construction Activities and Costs

A smaller proportion of respondents indicated that they constructed trails. 37% of 94 respondents said they constructed trails from 2018 to 2019 (Appendix B: Q29).

The maximum kilometers of trail constructed in 2018 and 2019 was 50km (Appendix B: Q30). The minimum kilometers of trail constructed in 2018 was 0.6km and in 2019 it was 0.5km (Appendix B: Q30). Many respondents constructed less than 3km of trails (Appendix B: Q30).

The most popular trail components to construct were trail tread, signage, and bridges (Appendix B: Q32).

Trail construction costs ranged from \$500 to \$2,750,000 in 2018, and from \$500 to \$2,900,000 in 2019 (Appendix B: Q31). The maximum values are extreme outliers. In both 2018 and 2019 and 45% of the organizations that constructed trails spent less than \$5500 on yearly construction costs (Appendix B: Q31).

Support for Direct Trail Work

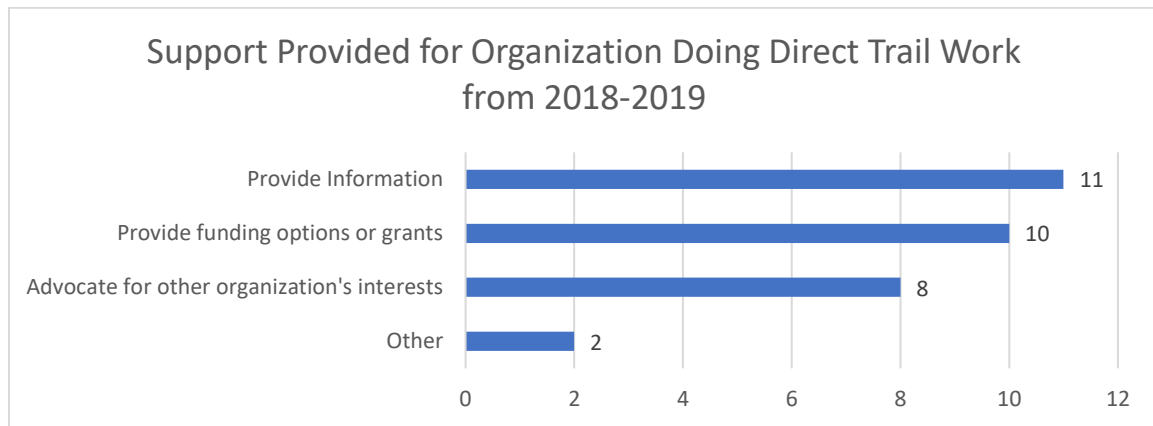
Respondents in this section indicated that from 2018 to 2020, they had supported or funded direct trail work. This category was created to differentiate between organizations that are directly involved in trails and those that are simply funding or supporting others doing direct trail work. The goal was to increase the accuracy of survey results and to minimize double counting. For instance, if an umbrella organization with 10 member organizations answered all the survey questions, and the 10 members also answered, then the responses may have been double counted. However, organizations may qualify for both categories since it is possible that they support/fund other organizations and complete direct trail work. In fact, 8 of the 14 respondents in the supporter category also belong to the direct trail work category. As such, it is unclear whether this category minimized double counting.

This category is significant despite it being smaller than the direct trail work category. For one, as supporters of direct trail work, respondents in this category likely represent trail work done by multiple other organizations or individuals. According to responses: 7 organizations have individuals as members, 3 have both individuals and other organizations as members, 1 has other organizations as members and 1 has other types of members.

It is certain that these organizations provide support for other organizations. Figure 14 illustrates the type of support they provide. Of the organizations that provide funding options and grants,

the most common trail projects funded were trail maintenance (7 organizations) and construction (6 organizations) (Appendix C: Q34).

Figure 14



The supporter organizations indicated that they gave out funding for trail projects ranging from a yearly \$5000 to \$1,000,000 (Appendix C: Q35). The most common sources of funding in this category are membership fees and donations (Appendix C: Q39).

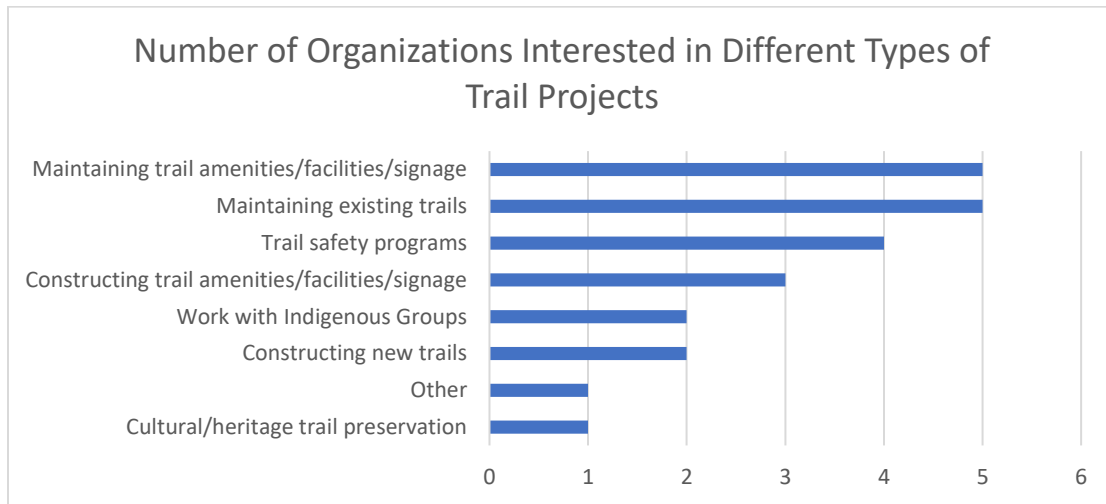
Interest in Direct Trail Work

Respondents in this section indicated that from 2018 to 2020, they were interested but unable to do trail work. The objective of this section is to better understand what barriers are preventing trail work. Since there are only 6 respondents in this category, it is difficult to draw conclusions that can be generalized to other BC organizations. For now, these results can give us a glimpse into what some of the barriers may be.

The following are some key points from this section.

- All 6 respondents in this section are non-profit organizations
- Figure 15 illustrates they are most interested in maintenance work
- Access to resources for trail projects varies but most organizations can access membership fees and donations (Appendix D: Q43).
- Overall, organizations are interested in projects costing between \$2000 to \$20,000 (Appendix D: Q44).
- Some constraints preventing organizations from completing trail projects are the costs of operating machinery, an inability to match funding when applying to grants, and the unavailability of trail contractors and operators due to COVID-19 (Appendix D: Q45)

Figure 15



Limitations

The generalizability of this survey is difficult to estimate because the number of organizations that conduct trail work in BC is unknown. We collected 113 valid responses from a contact list of 1110. The response rate may create a bias because organizations that responded are likely more engaged in trail work activities. The distribution of the survey may have also created a bias in the responses because contact lists came from the Outdoor Recreation Council, Recreation Sites and Trails BC, BC Parks, and publicly listed contact information.

The survey design was intended to fit as many organizations as possible. As such, it does not account for specific activities of each organization. Furthermore, in almost all questions, respondents were asked to estimate; therefore, numerical analysis contains estimated values that may differ from actual values. Finally, this survey does not consider changes over time as it only evaluated data from the January 2018 until September 2020.

Concluding Message

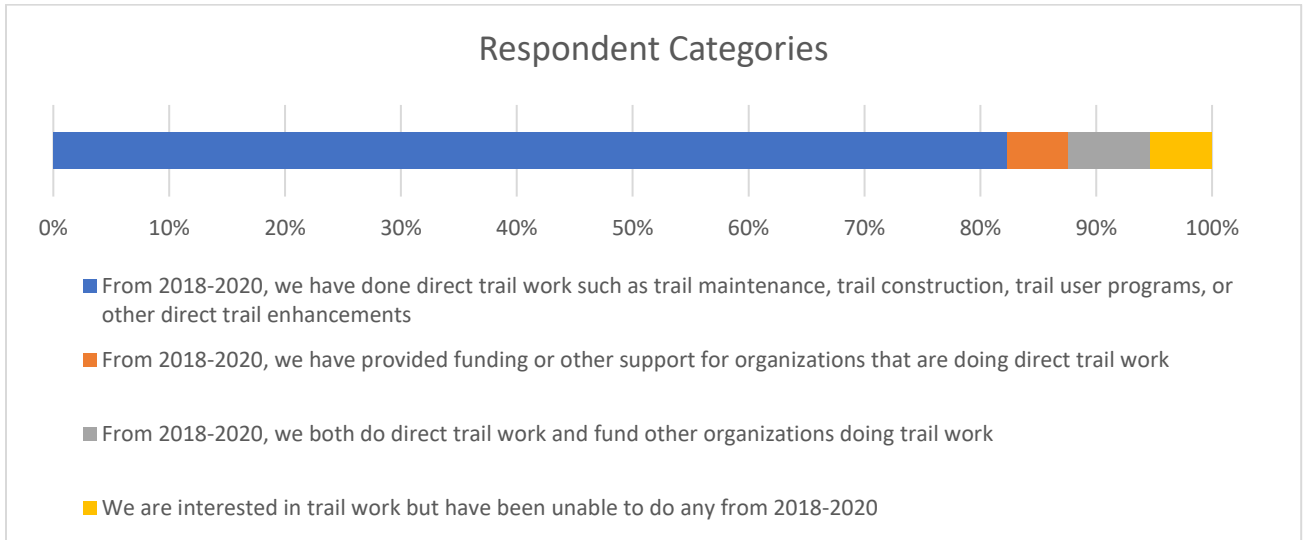
This survey provides insights about trail work and funding activities that are undertaken by organizations in BC. The value of this report is that it gives us data from a variety of organizations across the province that have worked on trails in recent years. Moving forward, this data can be used to better understand the trail landscape of BC and to better support trail work conducted by BC organizations.

Appendix A: General Response Data Tables and Graphs

The following questions were asked to all respondents.

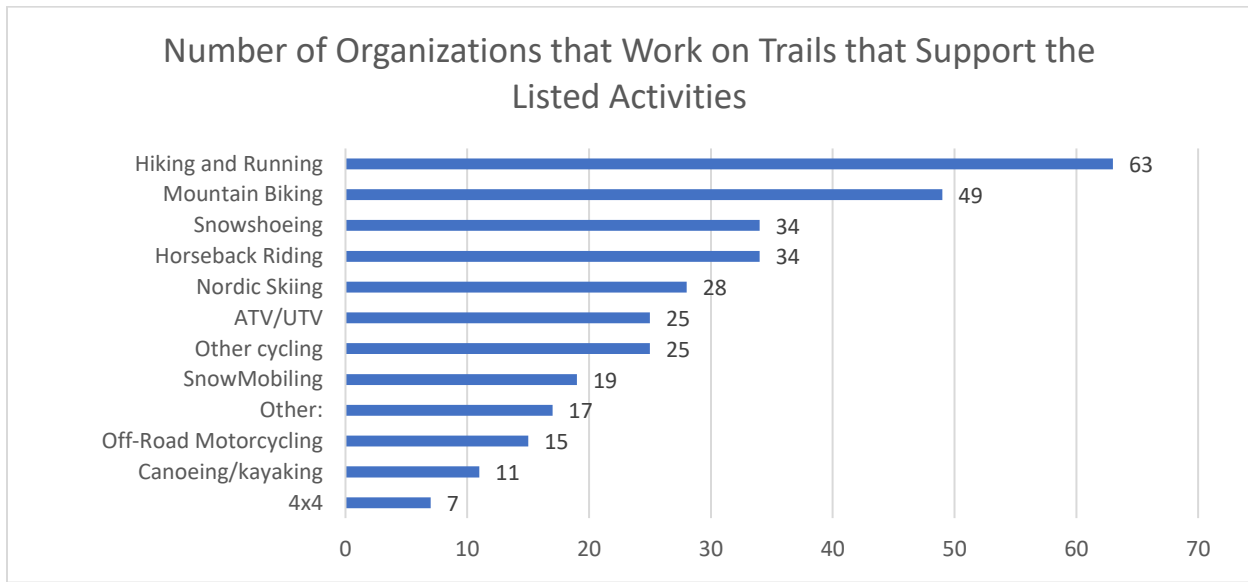
Section 1: Information About Respondents

Q1: Please select the category that best describes your organization.



Answer	%	Count
From 2018-2020, we have done direct trail work such as trail maintenance, trail construction, trail user programs, or other direct trail enhancements	82.30%	93
From 2018-2020, we have provided funding or other support for organizations that are doing direct trail work	5.31%	6
From 2018-2020, we both do direct trail work and fund other organizations doing trail work	7.08%	8
We are interested in trail work but have been unable to do any from 2018-2020	5.31%	6
Total	100%	113

Q2: What type of trail activities does your organization support? Please select all that apply.



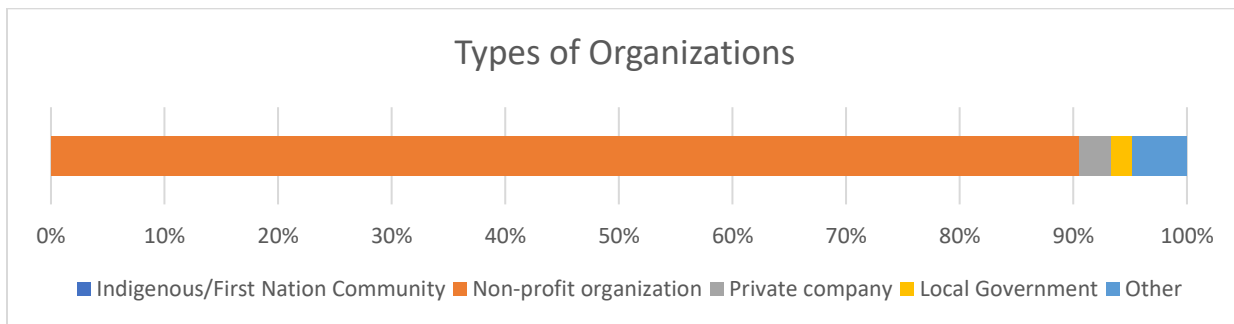
Answer	% of 113	Count	Other Responses: <ul style="list-style-type: none"> • daily walkers, dogs, children • hunting/fishing • Equine drawn vehicle treks/drives (horses, wagons, carts, sleighs) • Mountaineering, ice climbing, swimming, backcountry skiing, rock climbing • rock climbing access trails • Trail stewardship and trail maintenance • snow biking • all horse trails are also hiking trails, some mtn bike and some motorized • Outdoor environmental studies • Fat biking • Climbing, backcountry skiing, support other non-motorized outdoor rec but not actively at this time • most trails are also used by other groups as they are on crown/public land • Camping, boating, fishing • mobility scooter users • ski touring • Mobility challenged
4x4	6.19%	7	
Canoeing/kayaking	9.73%	11	
Off-Road Motorcycling	13.27%	15	
Other:	15.04%	17	
Snowmobiling	16.81%	19	
Other cycling	22.12%	25	
ATV/UTV	22.12%	25	
Nordic Skiing	24.78%	28	
Horseback Riding	30.09%	34	
Snowshoeing	30.09%	34	
Mountain Biking	43.36%	49	
Hiking and Running	55.75%	63	

Q3: In what region does your organization operate? (Image from go2HR.ca)



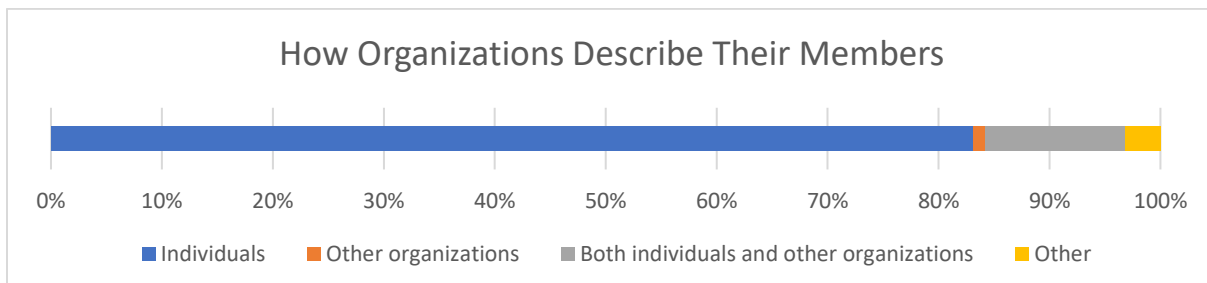
Answer	%	Count	Other Responses:
Other	2.86%	3	<ul style="list-style-type: none"> • NE BC • Kootenay Boundary • west Kootenays
All of BC	6.67%	7	
Cariboo Chilcotin Coast	8.57%	9	
Vancouver Island	11.43%	12	
Northern BC	14.29%	15	
Kootenay Rookies	16.19%	17	
Thompson Okanagan	18.10%	19	
Vancouver Coast & Mountains	21.90%	23	
Total		105	

Q4: Please select the category that best describes your organization.



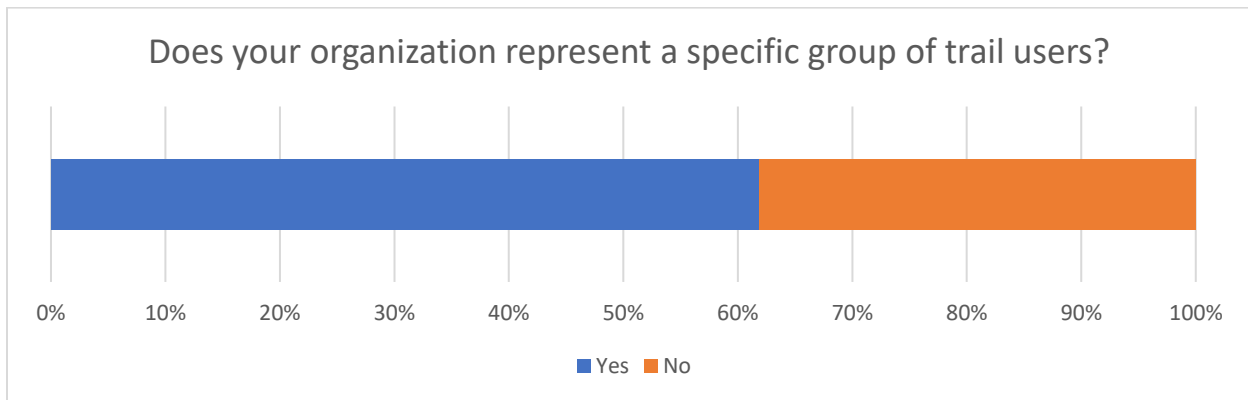
Answer	%	Count	Other Responses:
Indigenous/First Nation Community	0.00%	0	<ul style="list-style-type: none"> • Individual trail contract stewards flowing from BC Govt getting seeking to divest BC Forestry rec responsibilities when went to Professional reliance a decade ago • Group of volunteers who began scouting & building this horse trail in 1995 • Neighborhood group • Bunch of great folks
Non-profit organization	90.48%	95	
Private company	2.86%	3	
Local Government	1.90%	2	
Other	4.76%	5	
Total	100%	105	

Q5: Who are members of your organization?



Answer	%	Count
Individuals	83.16%	79
Other organizations	1.05%	1
Both individuals and other organizations	12.63%	12
Other	3.16%	3
Total	100%	95

Q6: Does your organization represent a specific group of trail users (such as hikers, bikers, motorized riders, etc.)?



Answer	%	Count
Yes	61.90%	65
No	38.10%	40
Total	100%	105

Q7: Please estimate what percentage of ALL trail users that use your community's trails are members of your organization? For example, if there are 100 total trail users in a year and 30 are members of your organization, then 30% of users are members.

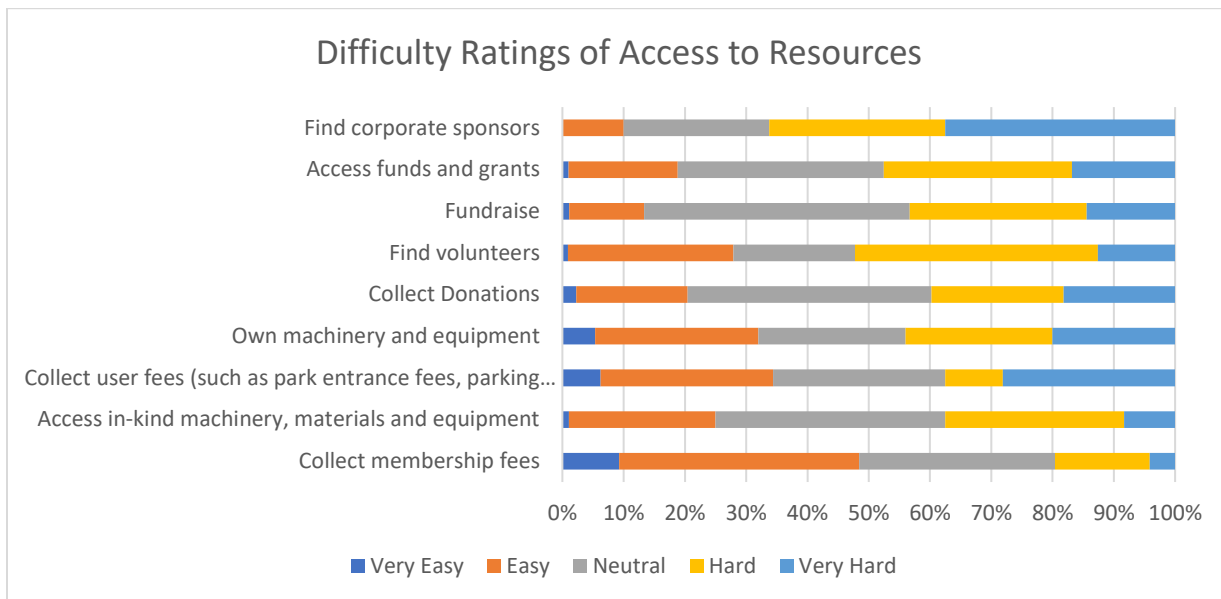
Answer	%	Count
0-20% are members	48.44%	31
21-40% are members	21.88%	14
41-60% are members	17.19%	11
61-80% are members	6.25%	4
81-100% are members	1.56%	1
Unknown	4.69%	3
Total	100%	64

Q8: Please choose a more detailed estimate for the percentage of trail users that are members of your organization?

Answer	%	Count
0-5% are members	45.16%	14
6-10% are members	16.13%	5
11-15% are members	9.68%	3
16-20% are members	12.90%	4
Unknown	16.13%	5
Total	100%	31

Section 2: Accessibility to Funds and Resources

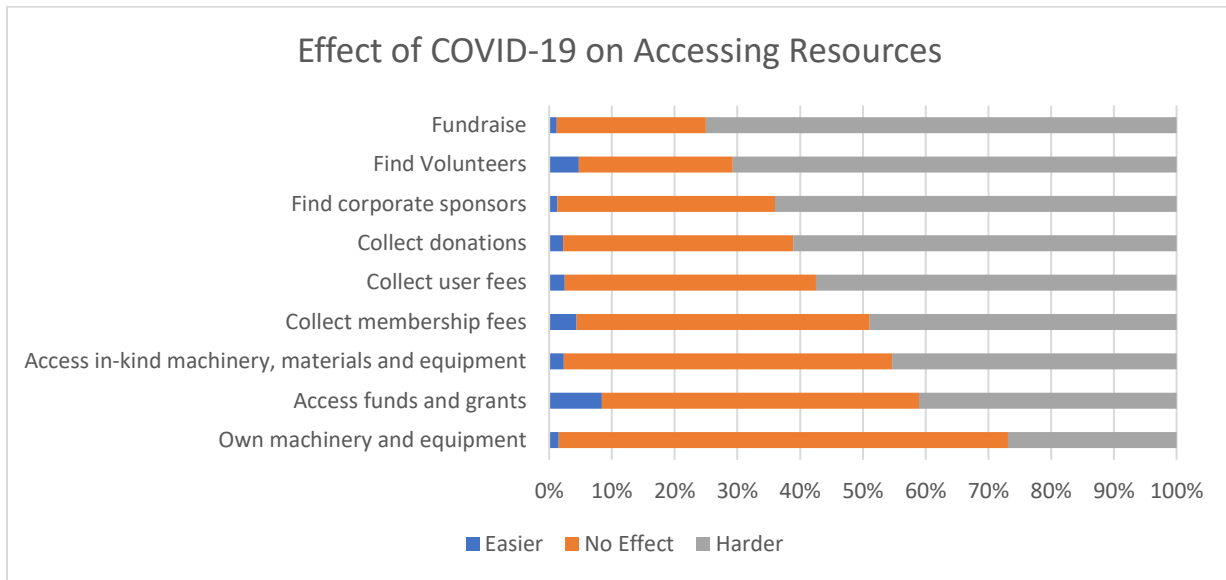
Q9: Please select the difficulty of performing each of these activities in the years of 2018 and 2019.



1= Very Easy; 2=Easy; 3=Neutral; 4=Hard; 5=Very Hard

Field	Min	Max	Mean	Std Deviation	Count	Response Rate (Out of 113)
Collect membership fees	1	5	2.66	0.98	97	86%
Access in-kind machinery, materials, and equipment	1	5	3.2	0.93	96	85%
Collect user fees (such as park entrance fees, parking fees, etc.)	1	5	3.25	1.3	32	28%
Own machinery and equipment	1	5	3.27	1.2	75	66%
Collect Donations	1	5	3.35	1.04	88	78%
Find volunteers	1	5	3.36	1.04	111	98%
Fundraise	1	5	3.43	0.92	90	80%
Access funds and grants	1	5	3.45	1	101	89%
Find corporate sponsors	2	5	3.94	1	80	71%

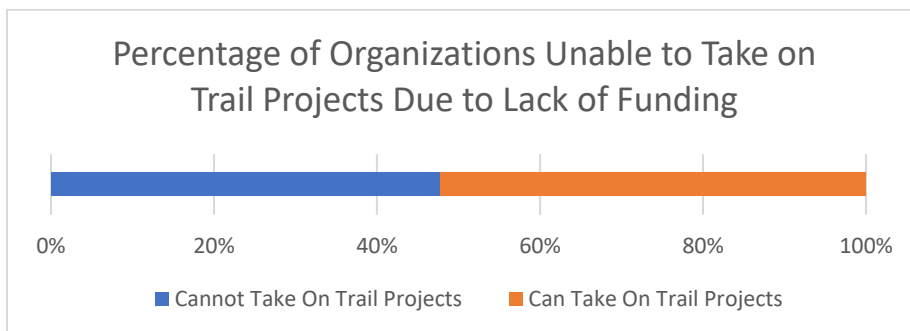
Q10: How has COVID-19 affected the activities below?



1= COVID-19 made it easier; 2=No effect; 3= COVID-19 made it harder

Field	Min	Max	Mean	Std Deviation	Count
Access funds and grants	1	3	2.33	0.62	95
Fundraise	1	3	2.74	0.47	84
Find corporate sponsors	1	3	2.63	0.51	75
Collect donations	1	3	2.59	0.54	90
Collect membership fees	1	3	2.45	0.58	92
Collect user fees	1	3	2.55	0.55	40
Find Volunteers	1	3	2.66	0.56	106
Access in-kind machinery, materials, and equipment	1	3	2.43	0.54	86
Own machinery and equipment	1	3	2.25	0.47	67

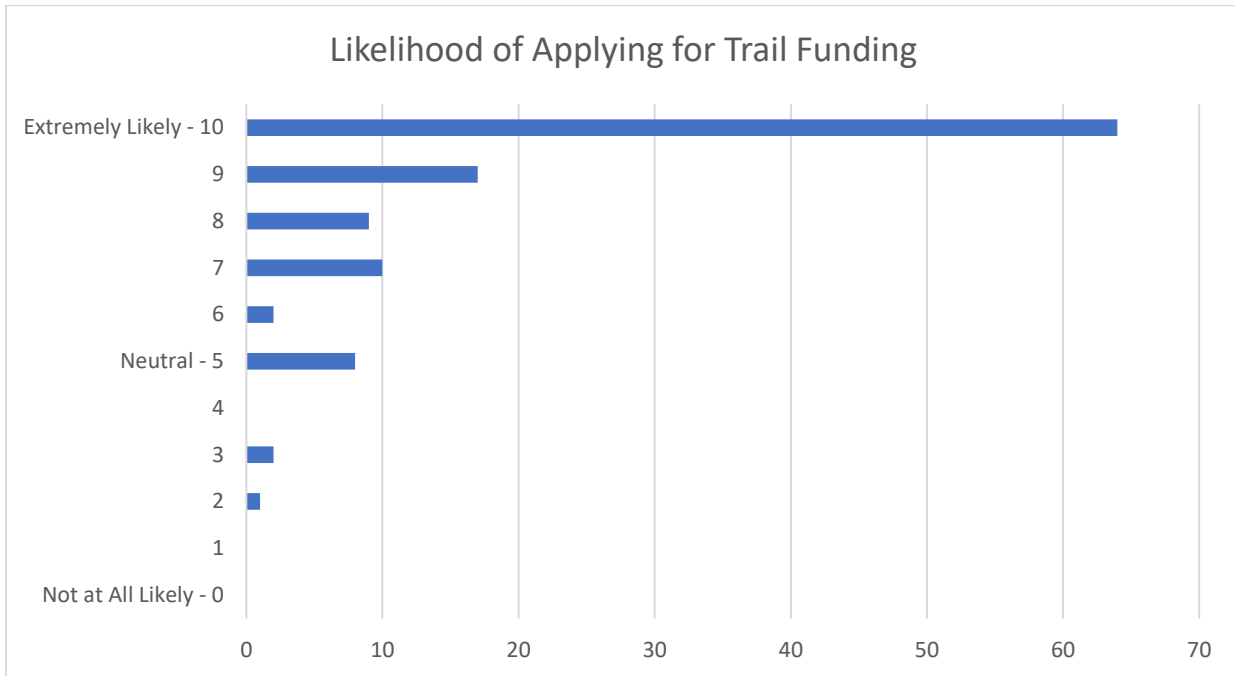
Q11: Are you currently unable to take on trail projects due to a lack of funding?



Answer	%	Count
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Cannot Take on Trail Projects	47.75%	53
Can Take on Trail Projects	52.25%	58
Total	100%	111

Q12: If a trail fund were made available to you, how likely would you be to apply for funds for trail projects?



1= Very Unlikely; 5=Neutral; 10= Very Likely

Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
If a trail fund were made available to you, how likely would you be to apply for funds for trail projects?	2	10	8.81	1.82	3.32	113

Appendix B: Direct Trail Work Data Tables and Graphs

The following questions were only asked to respondents that indicated that they had done direct trail work from 2018-2020.

Section 1: General Trail Work, Funding and Costs

Q13: From 2018-2019 what type of trail projects did your organization undertake? Select all that apply.

Answer	% of Direct Trail Work Organizations	Count	Other responses:
Other	12.87%	13	<ul style="list-style-type: none"> • signage of existing trails (recent agreement with city) • Through Resort Municipality Initiative (RMI) we were able to improve 3 access roads to highly valued areas. • Put on Trail Builder - Maintainer workshops • Trail signage only not other amenities • Seeking legal protection [name omitted]. Review of outdated Management Principles [name omitted]. • Ancillary facilities, i.e. stadium, terrain park, caretaker on site to prevent losses, equipment maintenance • Biggest problem in the next few years will be brushing access roads (former logging roads) • Promote trail culture and host trail events and rides • install trail markers • Guided Hikes promoting nature/history of the park • Historical Interpretive panels • Note: we are a Marine Trail org. • Prepare for new trail construction, defend our trails from deactivation
Cultural/heritage trail preservation	14.85%	15	
Work with Indigenous groups	21.78%	22	
Trail safety programs	31.68%	32	
Construct new trails	41.58%	42	
Construct trail amenities/facilities/signage	65.35%	66	
Maintain trail amenities/facilities/signage	72.28%	73	
Maintain existing trails	97.03%	98	

Q14: Please provide an approximate percentage of effort dedicated to each from 2018-2019. (Total sum must equal 100)

Field	Minimum Effort	Maximum Effort	Mean Effort	Std Deviation	Number of Responses
Construct new trails	2%	75%	28.02%	21.37%	42
Maintain existing trails	0%	100%	60.1%	25.84%	98
Construct trail amenities/facilities/signage	0%	100%	16.53%	15.07%	66
Maintain trail amenities/facilities/signage	0%	50%	13.38%	11.31%	73
Work with Indigenous groups	1%	20%	6.62%	5.1%	21
Trail safety programs	0%	55%	9.66%	10.39%	32

Cultural/heritage trail preservation	0%	20%	7.13%	6.66%	15
Other:	0%	30%	11.92%	11.98%	13

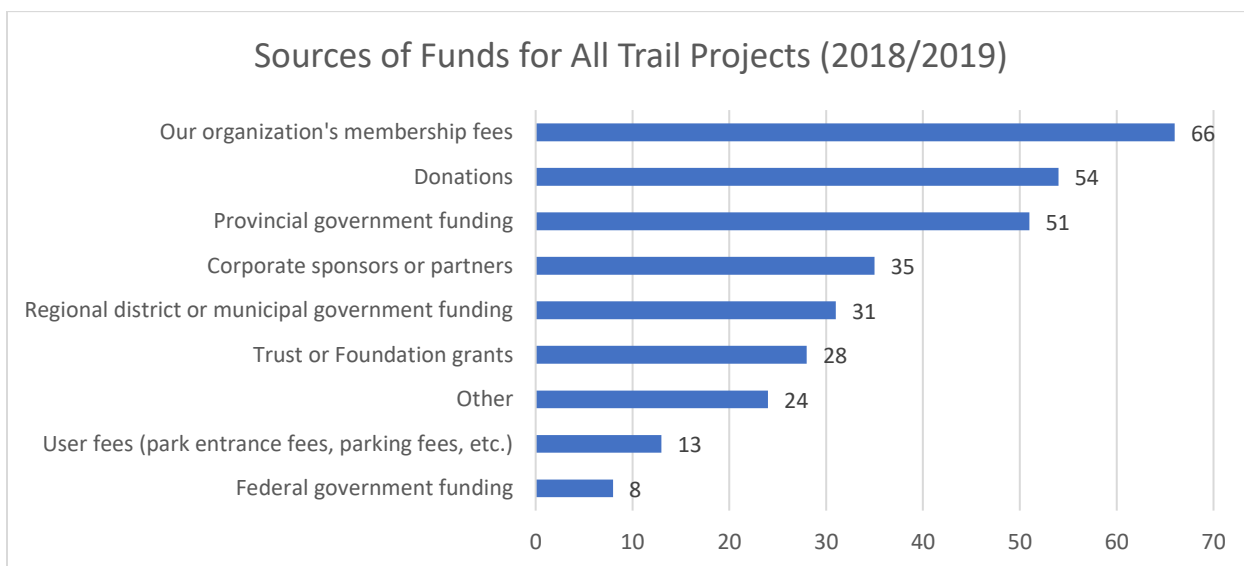
Other responses:

- coordinating road access funding
- Promote, protect, market the SCT. Run SCT Office/Correspondence/Negotiations
- terrain park
- brush/clear access roads
- markers
- Guided hikes
- Ebike charging outlets, Hiking Map, Cycling Map, Helmets for Life program in Elementary school, Historical Interpretive panels etc.....we have been working on the construction of new pathways on [name omitted] for 12 years. Our latest two years have been anomaly. I have answered with what is usual
- We work directly with First Nations

Q15: From 2018-2019 did your organization's trail projects require specialized equipment (ex. mini excavator, dump cart, etc.)?

Answer	%	Count
Yes, most of the time	21.21%	21
Yes, occasionally	53.54%	53
No, never	25.25%	25
Total	100%	99

Q16: How were trail projects funded in 2018 and 2019? Select all that apply.



Answer	%	Count
Federal government funding	7.92%	8

User fees (park entrance fees, parking fees, etc.)	12.87%	13
Other	23.76%	24
Trust or Foundation grants	27.72%	28
Regional district or municipal government funding	30.69%	31
Corporate sponsors or partners	34.65%	35
Provincial government funding	50.50%	51
Donations	53.47%	54
Our organization's membership fees	65.35%	66

Q17: Please provide an approximate percentage of funds coming from each source from 2018-2019. (Total sum must equal 100)

Table 1: Unweighted Percentage of Funds from Each Source

This table does not consider the actual size of funding received. Rather, each organization is valued equally regardless of their size.

Field	Minimum	Maximum	Mean	Std Deviation	Count
Our organization's membership fees	0	100	38.45	32.82	64
Federal government funding	0	60	26.57	21.87	7
Provincial government funding	0	100	36.35	27.14	48
Regional district or municipal government funding	0	100	35.03	32.36	29
Corporate sponsors or partners	0	95	23.45	23.94	33
User fees (such as park entrance fees, parking fees, etc.)	0	100	22.08	27.65	12
Donations	0	100	21.02	26.34	53
Trust or Foundation grants	0	90	37.15	27.17	27
Other	0	100	27.65	33.62	23

Table 2: Sum of Total Trail Project Costs in 2018 and 2019 Weighted by Percentage of Funds from Sources (NON-PROFIT ORGANIZATIONS ONLY)

This table was weighted using the sum of total trail project costs in 2018 and 2019 from Q21. Only non-profit organizations were included in this table. The local government category had large budgets that were significantly changing the results. This table gives us an idea of the size of funds that come from each source.

	TOTAL SUM	TOTAL PERCENTAGE
Our organization's membership fees	\$ 608,659.78	14%
Federal government funding	\$ 187,956.50	4%

Provincial government funding	\$ 1,052,628.77	24%
Regional district or municipal government funding	\$ 825,920.85	19%
Corporate sponsors or partners	\$ 370,641.56	9%
User fees (such as park entrance fees, parking fees, etc.)	\$ 122,200.00	3%
Donations	\$ 348,072.39	8%
Trust or Foundation grants	\$ 618,927.50	14%
Other	\$ 180,274.65	4%
Total	\$ 4,315,282.00	

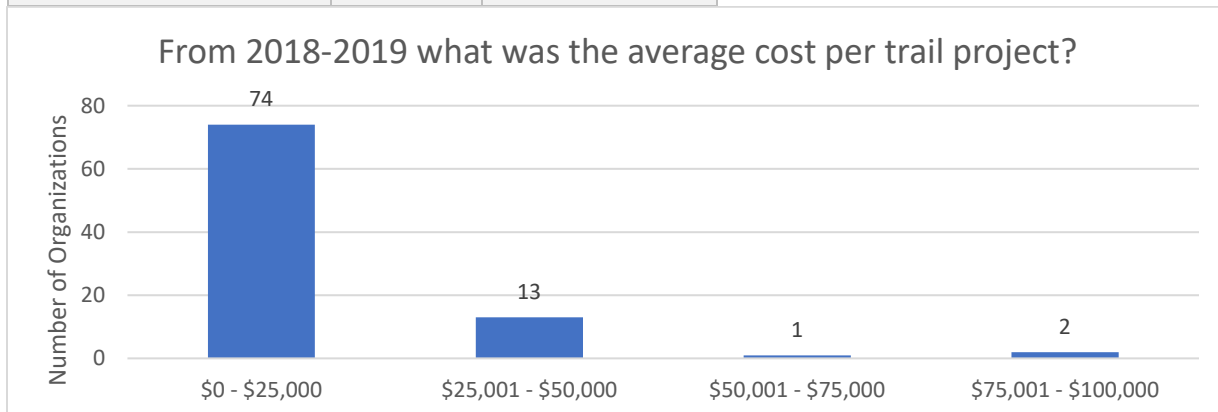
Q18: From 2018-2019 was the average cost per trail project more or less than \$100,000?

Answer	%	Count
Less than or equal to \$100,000	98.98%	97
More than \$100,000	1.02%	1
Total	100%	98

**The organization that indicated that the spent more than \$100,000 is a local government.*

Q19: From 2018- 2019, what was the average cost per trail project?

Answer	%	Count
\$0 - \$25,000	82.22%	74
\$25,001 - \$50,000	14.44%	13
\$50,001 - \$75,000	1.11%	1
\$75,001 - \$100,000	2.22%	2
Total	100%	90

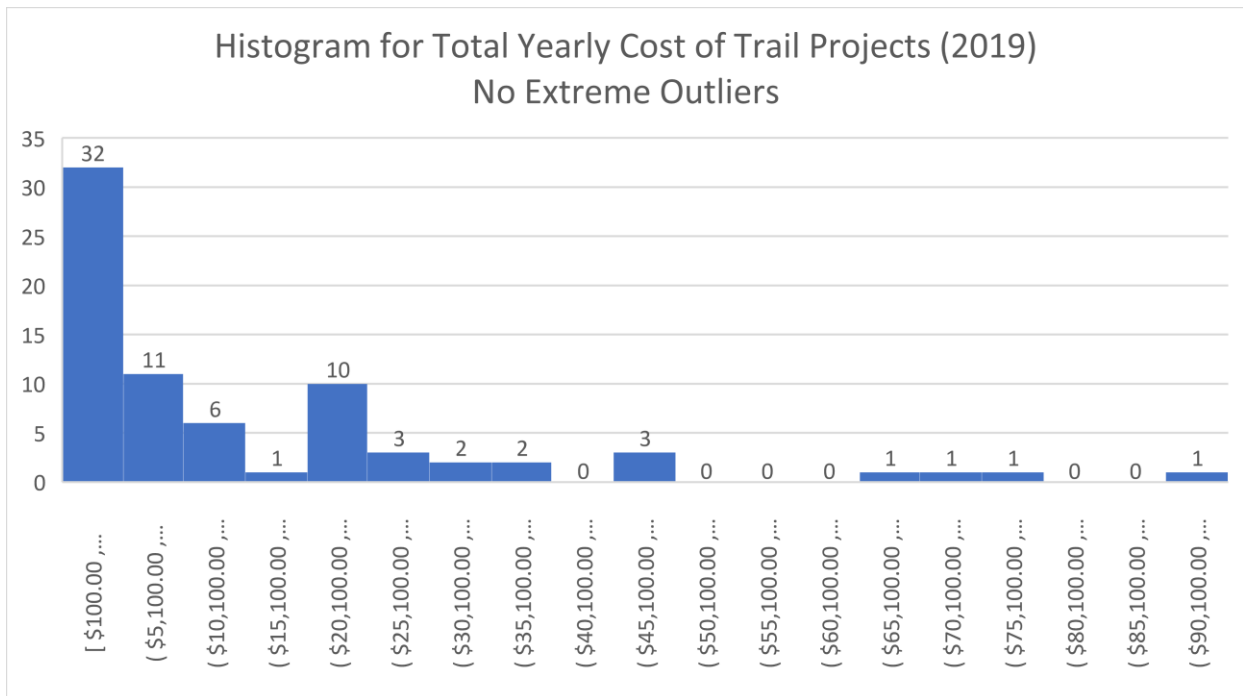
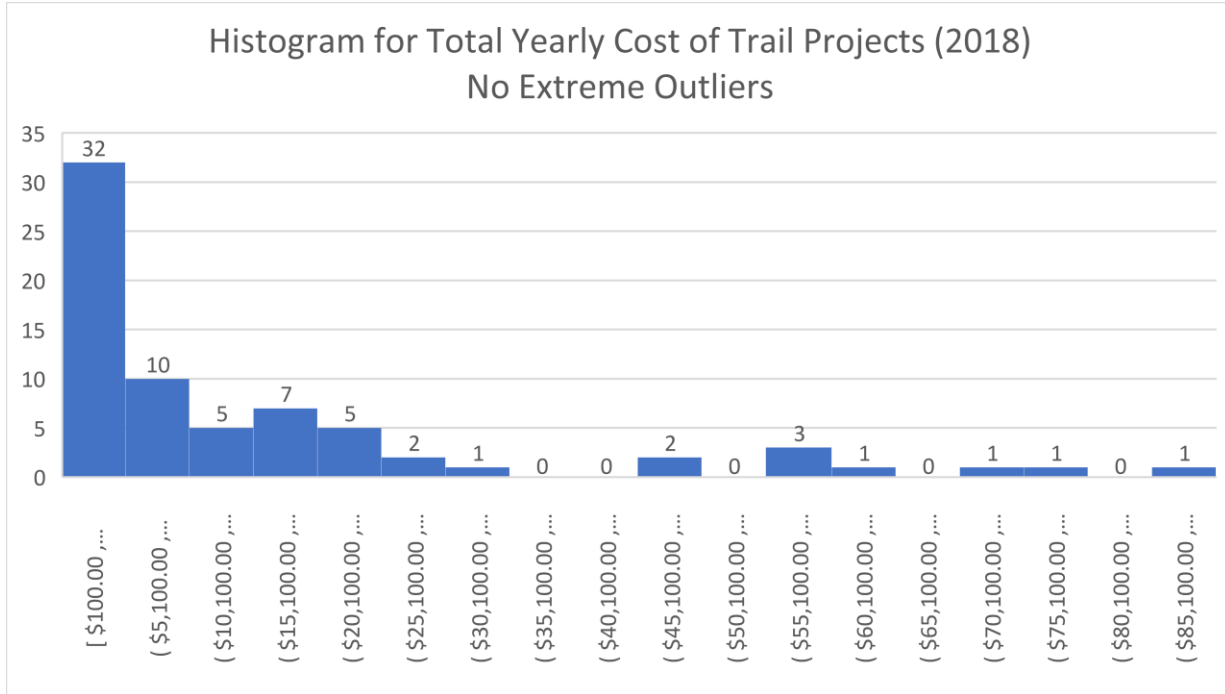


Q20: From 2018-2019, what was the average cost per trail project?

Only one response in this category and they indicated that it was more than \$500,000.

**This respondent is a local government.*

Q21: What is the approximate total yearly cost of all trail projects that your organization undertakes?

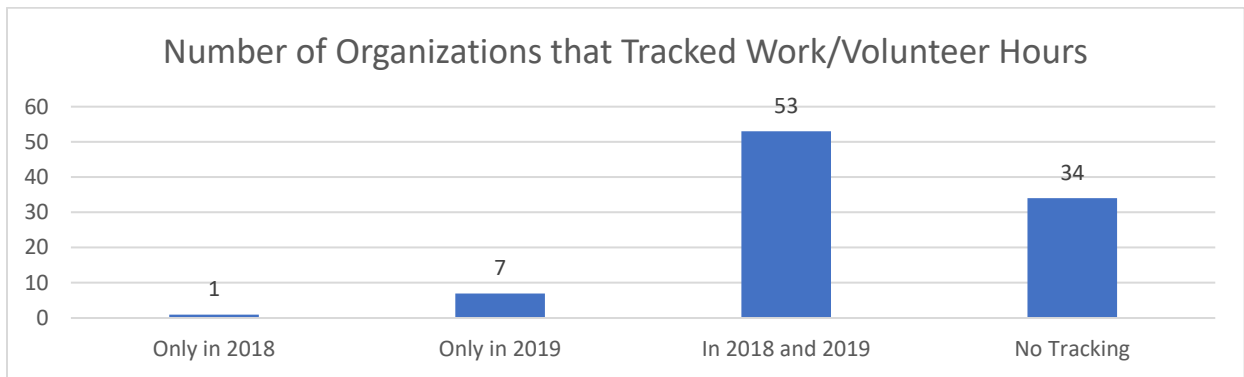


**Bin sizes for the histograms are \$5000 and the first bin starts at the minimum.*

Field	Min	Max	Mean	Median	Std Deviation	Count	Sum
2018 (no zeros)	\$ 100.00	\$ 1,750,000.00	\$ 51,399.16	\$ 10,000.00	205707.15	77	\$ 3,957,735.00
2019 (no zeros)	\$ 100.00	\$ 3,350,000.00	\$ 73,780.33	\$ 10,000.00	376209.32	81	\$ 5,976,207.00
2018 (no zero, no extreme outliers)	\$ 100.00	\$ 87,000.00	\$ 16,757.54	\$ 10,000.00	20871.59	71	\$ 1,189,785.00
2019 (no zeros, no extreme outliers)	\$ 100.00	\$ 91,545.00	\$ 16,597.39	\$ 10,000.00	20035.68	74	\$ 1,228,207.00

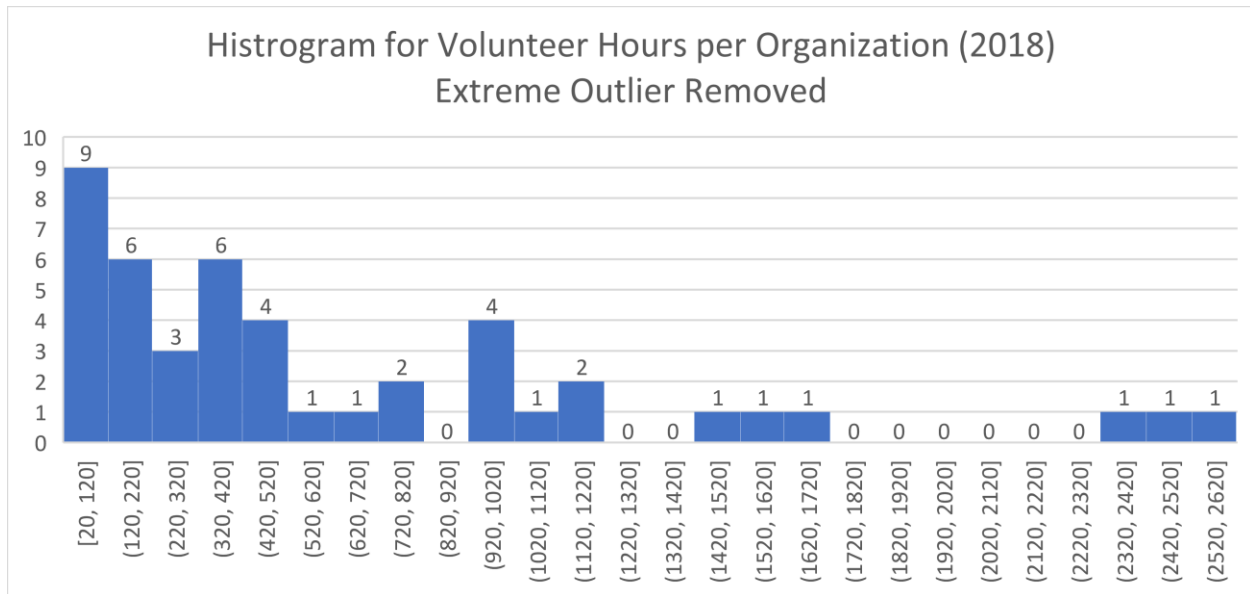
Section 2: Volunteer and Work Hours

Q22: Did your organization track work/volunteer hours for trail work done in 2018 and 2019?



Answer	%	Count
Yes in 2018	1.05%	1
Yes in 2019	7.37%	7
Yes in 2018 and 2019	55.79%	53
No, we did not track hours	35.79%	34
Total	100%	95

Q23: For 2018, please indicate the approximate hours of trail work done by each group.

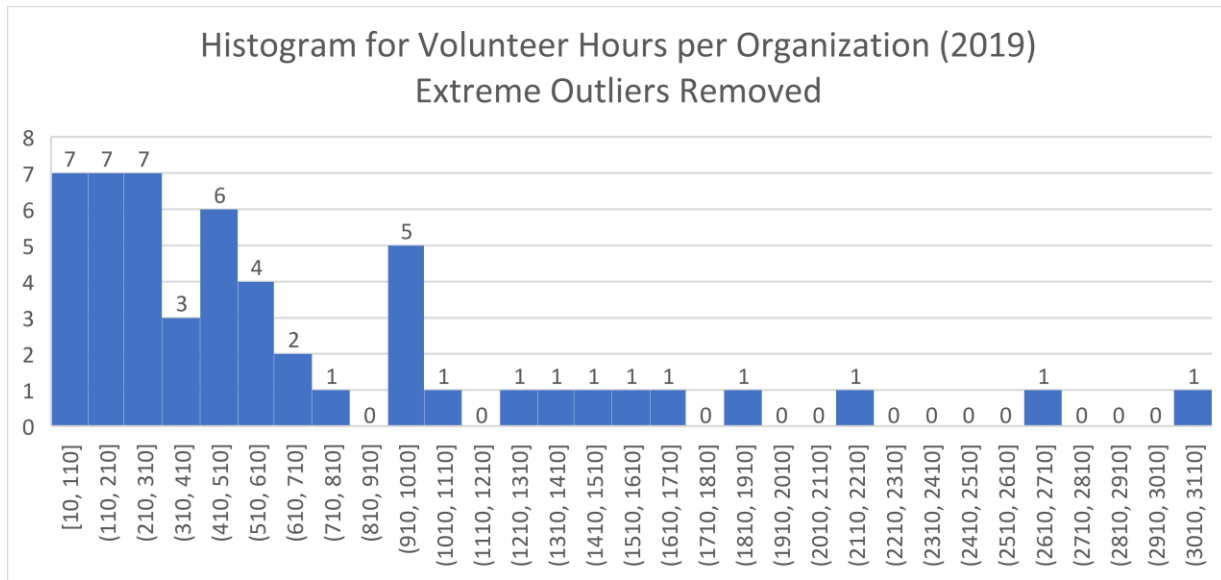


*Bin sizes for the histograms are 100 hours and the first bin starts at the minimum.

Consider that not all organizations tracked hours therefore the results shown may vary from actual hours worked.

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
Volunteers	62309	20	15000	1246.18	459.5	2342.004537	50
Paid Staff	33302	60	25000	5550.333333	1132	9772.59934	6
Contractors	9291	1	5000	464.55	35	1254.234154	20
Other	100	50	50	50	50	0	2
Volunteers (no extreme outliers)	29169	20	2600	648.2	400	663.0090017	45
Contractors (No extreme outliers)	4291	1	3000	225.8421053	30	676.4288797	19

Q24: For 2019, please indicate the approximate hours of trail work done by each group.



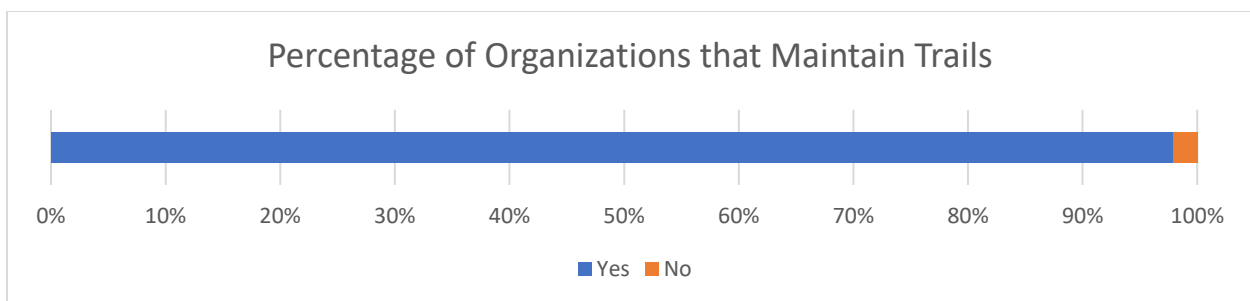
*Bin sizes for the histogram are 100 hours and the first bin starts at the minimum.

Consider that not all organizations tracked hours therefore the results shown may vary from actual hours worked.

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
Volunteers	62969.5	10	13000	1124.455357	500	1986.805273	56
Paid Staff	38458	60	25000	4807.25	570	8630.704321	8
Contractors	9153	3	5000	538.4117647	30	1352.171312	17
Other	260	10	200	86.66666667	50	100.166528	3
Volunteers (no extreme outliers)	35389.5	10	3100	680.5673077	466	683.8729173	52
Contractors (No extreme outliers)	1153	3	250	76.86666667	30	81.64895824	15

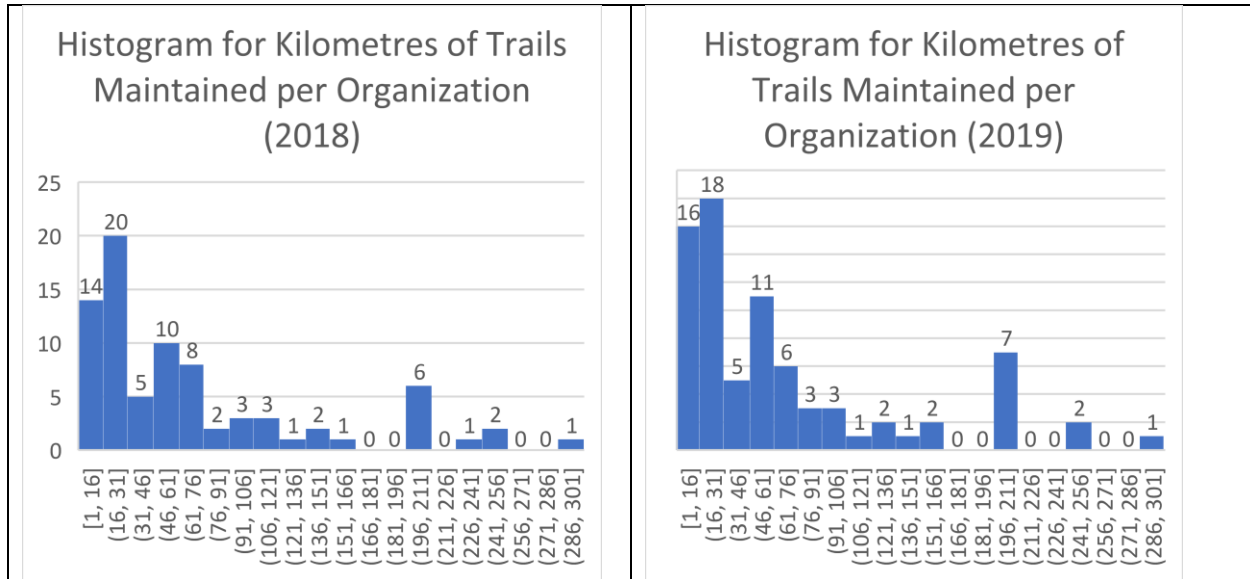
Section 3: Trail Maintenance

Q25: Did your organization maintain trails from 2018-2019?



Answer	%	Count
Yes	97.87%	92
No	2.13%	2
Total	100%	94

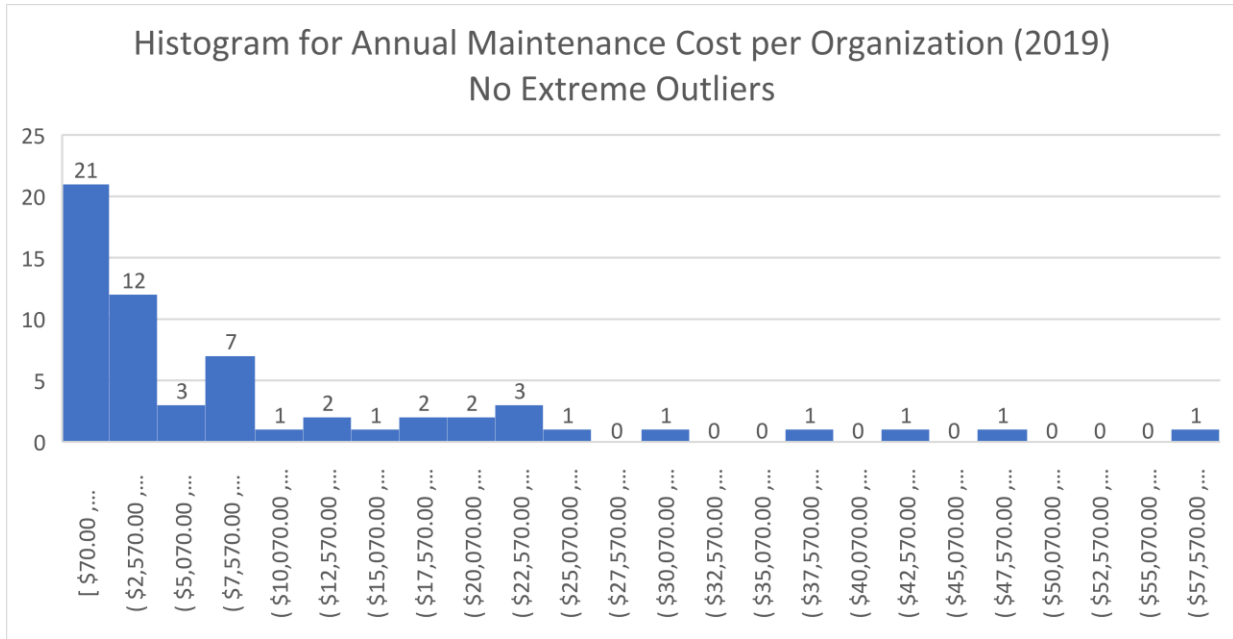
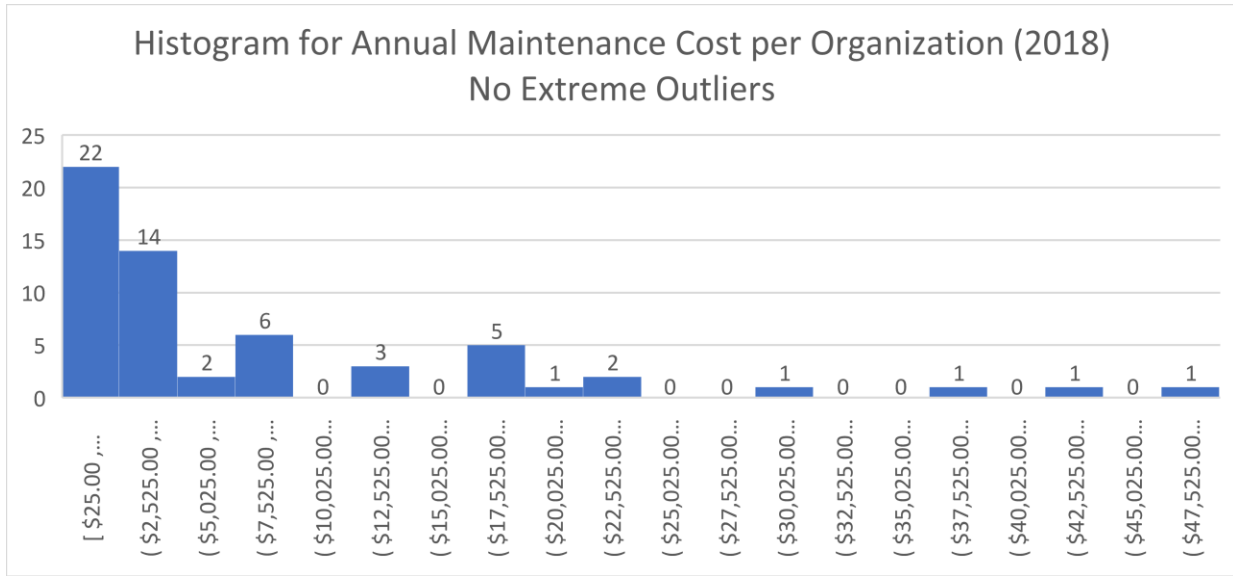
Q26: How many km of trail did your organization maintain?



*Bin sizes for the histograms are 15km and the first bin starts at the minimum.

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
2018	8300.8	1	880	100.0096386	50	151.89	83
2019	8527.9	1	840	102.7457831	50	157.93	83
(no extreme outliers) 2018	5550.8	1	300	70.26329114	47	70.05	79
(no extreme outliers) 2019	5331.9	1	300	68.35769231	46.5	70.03	78

Q27: What was the total annual maintenance cost?

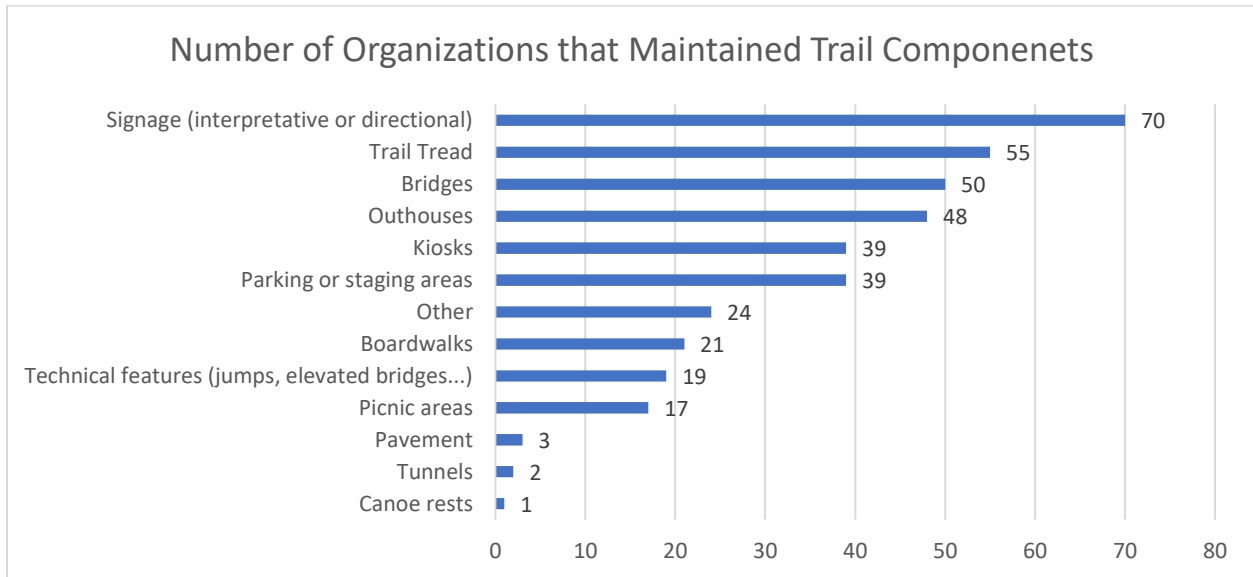


*Bin sizes for the histograms are \$2500 and the first bin starts at the minimum.

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
2018	\$ 1,993,111.00	\$ 25.00	\$ 475,000.00	\$ 29,310.46	\$ 5,000.00	73423.72	68
2019	\$ 1,927,517.00	\$ 70.00	\$ 386,000.00	\$ 29,204.80	\$ 6,500.00	68001.65	66
2018 (No extreme Outliers)	\$ 526,103.00	\$ 25.00	\$ 50,000.00	\$ 8,917.00	\$ 5,000.00	11416.61	59

2019 (No extreme Outliers)	\$ 624,823.00	\$ 70.00	\$ 60,000.00	\$ 10,590.22	\$ 5,000.00	13290.20	59
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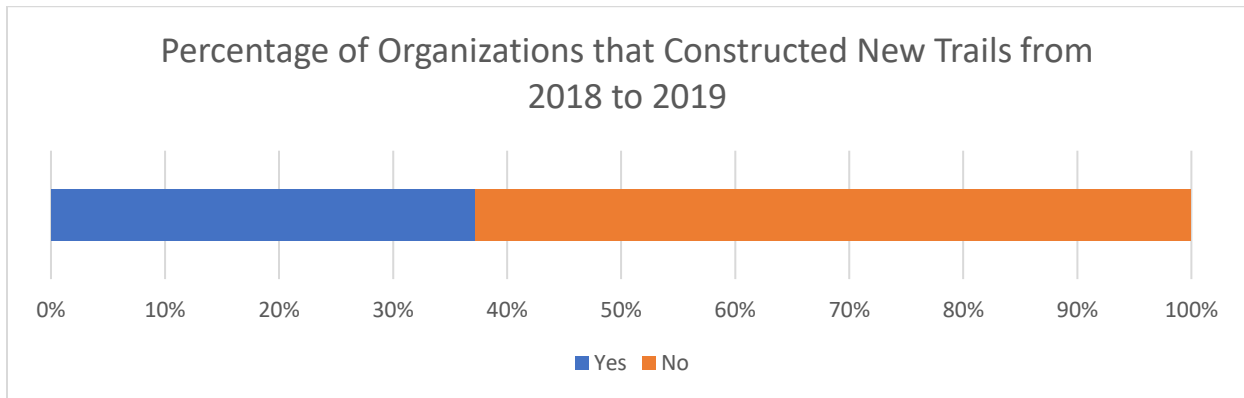
Q28: Please select any trail components that you maintained from 2018-2019.



Answer	% of 92 respondents	Count	Other responses:
Canoe rests	1.09%	1	<ul style="list-style-type: none"> • Cabins (4 Mentions) • Huts (2 Mentions) • Emergency Shelters (2 Mentions) • wilderness trails, tree removal, brushing etc. • drainage • woodshed, trail itself • equestrian campsites • campsites • contouring, ditching, drainage • Brushing • sight lines, markers • Trails • culverts, beaver guards, buildings • Removal of deadfall and brush • invasive plants • Maintenance • Fences • mapping • Safety Infrastructure • Points of interest, benches • Refurbishment of old trail
Tunnels	2.17%	2	
Pavement	3.26%	3	
Picnic areas	18.48%	17	
Technical features (jumps, elevated bridges...)	20.65%	19	
Boardwalks	22.83%	21	
Other	26.09%	24	
Parking or staging areas	42.39%	39	
Kiosks	42.39%	39	
Outhouses	52.17%	48	
Bridges	54.35%	50	
Trail Tread	59.78%	55	
Signage (interpretative or directional)	76.09%	70	

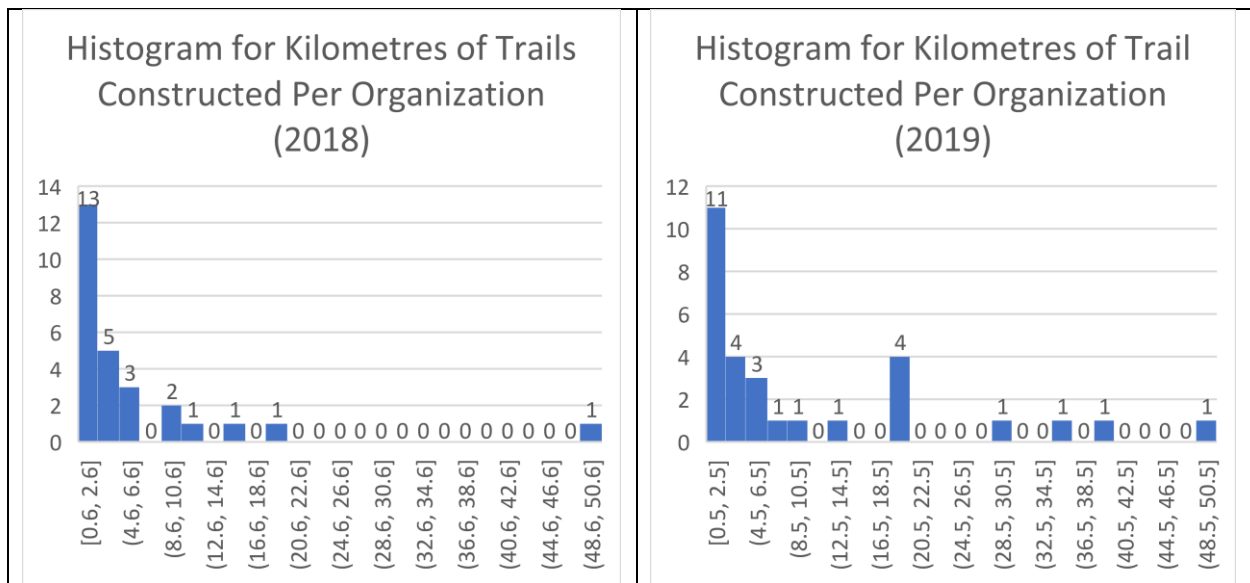
Section 4: Trail Construction

Q29: Did your organization construct new trails from 2018-2019?



Answer	%	Count
Yes	37.23%	35
No	62.77%	59
Total	100%	94

Q30: How many km of trail were constructed per year?

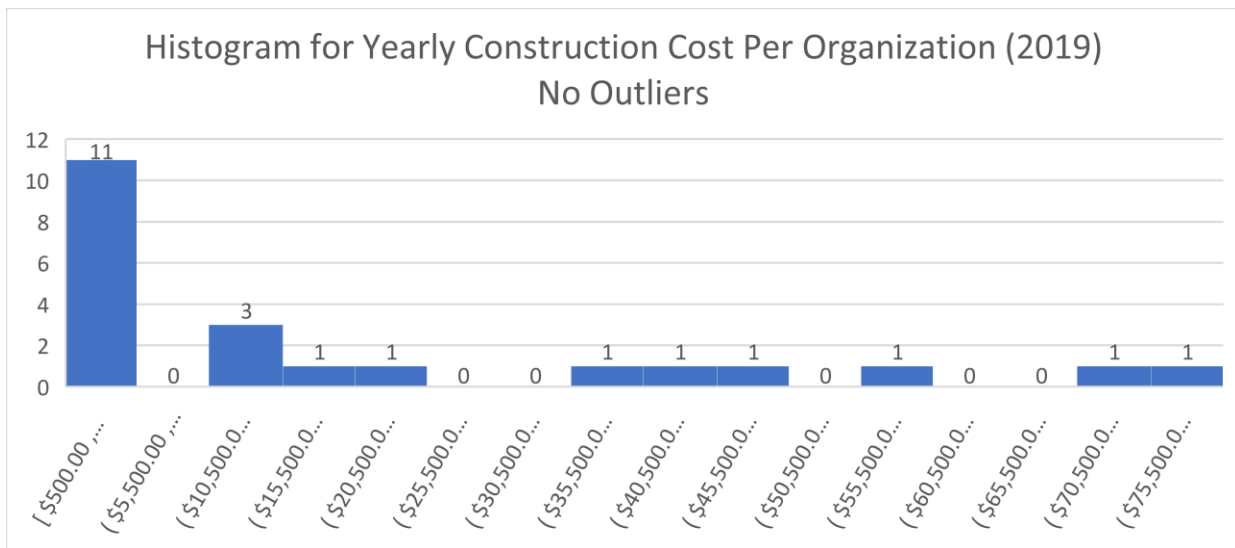
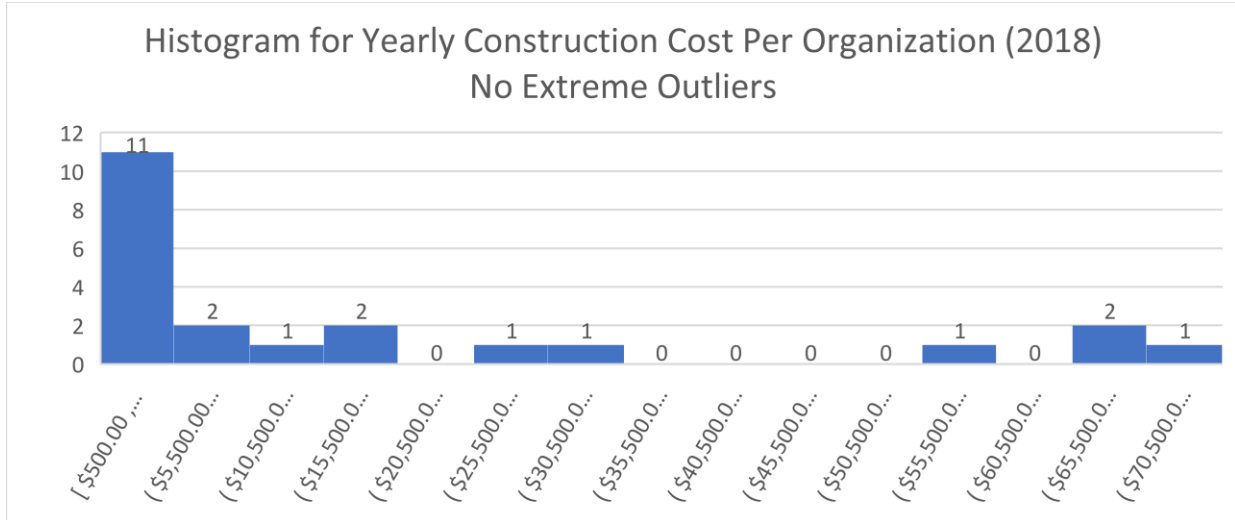


*The bin sizes for the histograms are 2km and the first bin starts at the minimum.

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
2018	167.9	0.6	50	6.21851851	3	9.977707346	27
2019	313.85	0.5	50	10.8224137	4	13.2608957	29
(No extreme Outliers) 2018	82.9	0.6	12	3.45416666	2.05	3.100908586	24

(No extreme Outliers) 2019	313.85	0.5	50	10.8224137	4	13.2608957	29
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Q31: What was the total construction cost per year?

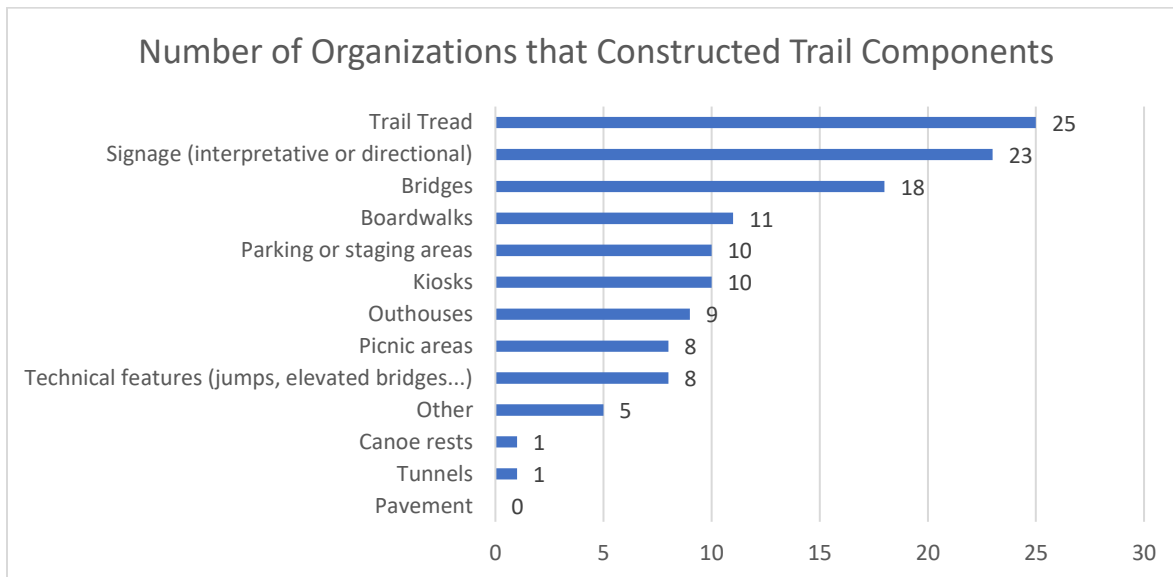


*The bin sizes for the histograms are \$5000. The first bin starts at \$500 which is the minimum

Field	Sum	Min	Max	Mean	Median	Standard Deviation	Count
2018	\$ 1,968,138.00	\$ 500.00	\$ 1,270,000.00	\$ 82,005.75	\$ 10,000.00	258667.9745	24
2019	\$ 3,751,963.00	\$ 500.00	\$ 2,900,000.00	\$ 150,078.52	\$ 12,000.00	575491.8342	25
2018 (no extreme outliers)	\$ 443,138.00	\$ 500.00	\$ 75,000.00	\$ 20,142.64	\$ 7,500.00	25314.63858	22

2019 (no extreme outliers)	\$ 641,963.00	\$ 500.00	\$ 185,600.00	\$ 27,911.43	\$ 10,813.00	42453.9189	23
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Q32: Please select all the trail components that you constructed from 2018-2019:



Answer	%	Count
Pavement	0.00%	0
Tunnels	2.86%	1
Canoe rests	2.86%	1
Other:	14.29%	5
Technical features (for instance jumps or elevated bridges)	22.86%	8
Picnic areas	22.86%	8
Outhouses	25.71%	9
Kiosks	28.57%	10
Parking or staging areas	28.57%	10
Boardwalks	31.43%	11
Bridges	51.43%	18
Signage (interpretative or directional)	65.71%	23
Trail Tread	71.43%	25

Appendix C: Supporter Data Tables

The following questions were only asked to respondents that indicated that they had supported or funded other organization doing direct trail work from 2018-2020.

Q33: From 2018-2019 how did your organization support other organizations that are doing direct trail work?

Answer	Count
Provide funding options or grants	10
Advocate for their interests	8
Provide information	11
Other:	2

Other Response:

- [name omitted] Trail Supporter [name omitted] Program
- volunteer time

Q34: What type of projects did you fund from 2018-2019? (Please select all that apply)

Answer	Count
New trail construction	6
Existing trail maintenance	7
Construction of trail amenities/facilities/signage	6
Maintenance of trail amenities/facilities/signage	7
Trail safety programs	3
Cultural/heritage trail preservation	1
Other:	2
Work with Indigenous groups	1

Other Responses:

- Corrals at [name omitted] Creek Campground
- Funding trail studies, permits, consultations

Q35: In 2018 and 2019, what was the total amount of funding per year that you gave out for trail projects?

2018	2019
~\$20,000	~\$20,000
\$ 5,000	\$ 5,000
	\$ 8,000
~ \$8000.00	
~ \$40,000	~\$40,000
\$300,000+	\$ 1,000,000
\$ 25,000	\$ 25,000
\$ 15,000	\$ 25,000

Q36: From 2018-2019 what was the average amount of funding an individual project received?

Stewards decide on their projects, not [name omitted]
2000
This is the only project we have funded
between 5000 and 15000
25,000-50,000
20,000
4000
Information not available
We took a break from the construction of pathways for these two years

Q37: Please briefly tell us about who was eligible to receive your funding from 2018-2019.

[name omitted] member trail stewardship groups. We mostly provide the tools and programs for members to improve their self-funding and matching funds
We give all our donations from [name omitted] who is supposed to be the trails maintenance group and gets funding from our regional district but only \$15,000 a year for over 200km of trails. We are in a Trails Master Plan process so cannot legally build any trails for the past 3 years so all we can do is limited maintenance
Donated time and money to the [name omitted].
We applied for a trails grant from [name omitted] and helped fund and build the corrals at the [name omitted] Creek Equine Campground
Anyone of our 45 clubs around the province
Funding is only available for projects along The Great Trail. Funding is available for municipalities, regional districts, provincial government, First Nations, local trail groups, and other community organizations who are undertaking a trail project.
Volunteer trail builders through covering material costs, providing labour, and transportation costs
Any club or affiliated organization that pays dues to [name omitted] in order to obtain better insurance rates and coverage and that submits a completed and acceptable grant application.
[name omitted]

Q38: How has COVID-19 affected your capability to provide funding for trail projects?

Answer	%	Count
Our capability is REDUCED	60.00%	6
Our capability has REMAINED THE SAME	40.00%	4
Our capability is INCREASED	0.00%	0
Total	100%	10

Q39: How did you fund trail projects in 2018 and 2019? Select all that apply.

Answer	Count
Our organization's membership fees	5
Federal government funding	1
Provincial government funding	1
Regional district or municipal government funding	2
Corporate sponsors or partners	2
User fees (such as park entrance fees, parking fees, etc.)	0
Donations	4
Trust and Foundation Grants	2
Other	3

Q40: Please provide an approximate percentage of funds coming from each revenue source from 2018-2019. (Total sum must equal 100)

	Min	Max	Mean	Std Deviation	Count
Our organization's membership fees	10	100	69.5	36.3318	5
Regional district or municipal government funding	100	100	100		1
Corporate sponsors or partners	90	90	90		1
Donations	5	20	12.5	10.6066	2
Trust and Foundation Grants	100	100	100		1
Other	37.5	100	68.75	44.19417	2

Appendix D: Interested Data Tables

The following questions were only asked to respondents that indicated that they were interested in doing direct trail work from 2018-2020 but were unable to.

Q41: What type of trail projects is your organization interested in? Please select all that apply.

Answer	% of total respondents in category	Count
Constructing new trails	33.33%	2
Maintaining existing trails	83.33%	5
Constructing trail amenities/facilities/signage	50.00%	3
Maintaining trail amenities/facilities/signage	83.33%	5
Trail safety programs	66.67%	4
Cultural/heritage trail preservation	16.67%	1
Other (Please specify):	16.67%	1
Work with Indigenous Groups	33.33%	2

Other Responses:

- enhance trails to accommodate equine harness drawn vehicles (wagons, carts, and sleighs)

Q42: Please estimate how many km of trail your organization may be interested in maintaining?

Na
30 to 50
15 km of Nordic trails
100
na
na

Q43: What type of resources are typically available to your organization for trail projects?

Answer	% of total respondents in category	Count
Employees/staff	0.00%	0
Volunteer workers	100.00%	6
In-kind resources such as equipment or machinery	50.00%	3
Membership fees	50.00%	3
Federal government funding	16.67%	1
Provincial government funding	33.33%	2
Regional district or municipal government funding	33.33%	2

Corporate sponsors or partners	0.00%	0
User fees (such as park entrance fees, parking fees, etc.)	0.00%	0
Donations	83.33%	5
No resources available	0.00%	0
Other (Please specify):	16.67%	1

Q44: Please estimate the yearly cost (in dollars) of all trail projects that your organization is interested in undertaking.

Na
2000
we currently pay expenses and a nominal wage for someone to groom the trails
20,000
na
\$10000.00 - \$12000.00

Q45: Please provide details on what constraints may be preventing your organization from completing trail projects. If applicable, please distinguish between constraints before COVID-19 and now:

costs to operate machinery, such as fuel, and possibly rental of a backhoe or mulcher. Covid measures have made it difficult to engage operators outside of the association to become involved in trail projects.
N/A
With the onset of spring and the uncertainty covid put on carrying out any sort of trail stewardship we were late to get started with our plans. Delays later in the season were a result of the unavailability of BC certified Trail Contractors to move forward with our projects.
Have provided some financial resources to trail projects in the past. Have developed a limited number of trails in the past.
only grants available require high percentage of matching dollars as with most ATV clubs membership cost is low (\$20.00 per year) this makes accessing grant out of reach