

112628

August 6, 2021

Shannon Phillips, Chair
Standing Committee on Public Accounts
Legislative Assembly of Alberta
5th Floor, 9820 - 107 Street
Edmonton AB T5K 1E7

Dear Shannon Phillips:

Further to the June 22, 2021, session of the Standing Committee on Public Accounts attended by Alberta Environment and Parks (AEP), our written responses to requests for more information are attached, with the exception of question 10 – the westslope cutthroat trout recovery strategy correspondence with the Department of Fisheries and Oceans and/or Environment and Climate Change Canada. Due to the scope of the question, AEP requires additional time to compile the information. As such, a response will be provided by mid-August.

If you require further information, please contact Darrell Dancause, Assistant Deputy Minister and Senior Financial Officer, Financial Services division, at 780-415-8975 or by email at darrell.dancause@gov.ab.ca.

Sincerely,



Bev Yee
Deputy Minister

Attachments

cc: Darrell Dancause
Environment and Parks

Aaron Roth, Committee Clerk
Legislative Assembly of Alberta



ENVIRONMENT AND PARKS
PUBLIC ACCOUNTS COMMITTEE MEETING
June 22, 2021
- Follow-up Responses -
(Questions derived from Hansard)

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Follow-up Responses

Topic	Person	Narrative and Question Asked	Hansard Page #
1. Regional Plan - Threshold exceedance	Mr. Schmidt (NDP)	Is the deputy minister willing to table all of the enforcement actions that Environment and Parks took with respect to exceeding thresholds in the South Saskatchewan regional plan and the Livingstone-Porcupine Hills subregional plan in the 2019- 2020 year?	8
	Bev Yee	May I ask if you're specifically referring to land disturbance footprint exceedances? Is that what you're asking?	
	Mr. Schmidt (NDP)	Oh, we're casting a wide net here, so any sort of exceedance of any threshold that exists in those plans.	
	Bev Yee	Yeah. We will look into that and provide you with the data that we would have.	
Response			
<ul style="list-style-type: none"> The Land Use Secretariat has not received written complaints under section 62(1) of the <i>Alberta Land Stewardship Act</i> that the South Saskatchewan Regional Plan thresholds for the Porcupine Hills-Livingstone Land Footprint Management Plan are not being complied with. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
2. Water Monitoring	Mr. Schmidt (NDP)	Okay. We'll have to look into that. But if the department could provide us a list of the monitoring stations for surface water quantity and quality in 2018 and 2019, that would be appreciated.	8
Response			
<p>For information on monitoring stations for surface water quality and quantity see attached documents.</p> <ul style="list-style-type: none"> Quality Network Stations (Attachment 2) Lakes and Reservoir Water Quality (Attachment 3) River Water Quality Sites (Attachment 4) 			

Topic	Person	Narrative and Question Asked	Hansard Page #
3. Alberta Energy Regulator	Bev Yee	I would have to go back and check to see what information was asked of us as part of the Alberta Energy Regulator's review process. That information I don't have on hand right now.	11
Response			
<ul style="list-style-type: none"> In 2019-20 the department received no requests for information as part of the Alberta Energy Regulator's review process. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
4. Technology Innovation and Emissions Reduction – Overall Funding	Mr. Schmidt (NDP)	I'm wondering if the deputy minister can provide a written list of everything that was funded with money from the TIER fund in the 2019-2020 fiscal year.	14
	Bev Yee	Yeah. We'll provide what we can.	
Response			

		2019-20
		Actual
		(In thousands)
	Environment and Parks	178,100
1	Emissions Reduction Alberta	25,000
2	Alberta Machine Intelligence Institute	5,000
3	Petroleum Technology Alliance of Canada	2,000
4	Carbon Connect International (methane reduction program)	13,000
5	Municipal Climate Change Action Centre	4,500
6	Sundre Petroleum Operators Group (methane monitoring program)	3,100
7	Adaptation Resilience Training (University of Alberta)	500
8	Energy Efficiency Alberta & Bioenergy	77,700
9	Oil Sands Innovation Fund Program	38,600
10	Regulatory and Operations	8,700
11	Jobs, Economy and Innovation	4,300
12	Climate Change Innovation & Tech Program	4,300
13	Energy	128,900
14	Carbon Capture and Storage Capital Projects	59,800
15	Coal Phase-Out Agreements	69,100
16	Labour and Immigration	5,400
17	Coal Workforce Transition Program	5,400
18	Treasury Board & Finance	145,100
19	Deficit reduction	145,100
20	Total	461,800

Topic	Person	Narrative and Question Asked	Hansard Page #
5. Technology Innovation and Emissions Reduction – Fiscal Adjustment	Mr. Schmidt (NDP)	On page 140 of the annual report you summarized lapses and encumbrances in the department’s budget. Line 10.2, with respect to technology innovation and emissions reduction, shows that the voted estimate was \$100 million, but there was an adjustment in year of \$38 million. What was that adjustment?	15
	Bev Yee	Yup. Member, I don’t have that on hand just yet. But if I can’t find it in the next few seconds here, I’m happy to provide that to you in writing.	
Response			
<ul style="list-style-type: none"> • The adjustment was made to correspond to adjustments in revenue forecasts. Revenue forecasts vary throughout the year depending on how many facilities use offsets or credits to meet their compliance obligation. • Referring to Environment and Parks Annual Report 2019-20, budget line 10.2 (page 140), the difference between the estimate (\$62 million) and the actual (\$27 million) is primarily the result of shifting the spending for Emissions Reduction Alberta (\$25 million) from budget line 10.2 to budget line 10.4. The under spend shown in 10.2 is mostly offset by a corresponding overspend in 10.4 due to the reclassification of the Emissions Reduction Alberta spending. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
6. Technology Innovation and Emissions Reduction – Projects Funded	Mr. Schmidt (NDP)	Can the deputy, then, commit to providing to the committee a full breakdown of all of the projects that were funded under this and why those budgets weren't met in the 2019-2020 fiscal year? Can you provide that to us in writing?	16
	Bev Yee	Yes, Member. We will provide that information.	

Response

	(in thousands)	2019-20	2019-20	2019-20
		Budget	Actual	Variance
1	Alberta Environment and Parks	231,200	178,200	
2	Technology Innovation and Emissions Reduction	100,000	27,600	(72,400)
3	Emissions Reduction Alberta	-	25,000	25,000
4	Adaptation Resilience Training (Univ. of Alberta)	-	500	500
5	Energy Efficiency Alberta & Bioenergy	81,000	77,700	(3,300)
6	Oil Sands Innovation Fund Program	39,100	38,600	(500)
7	Regulatory and Operations	11,100	8,800	(2,300)
8	Jobs, Innovation and Economy (JEI)	8,300	4,300	
9	Climate Change Innovation & Tech Program (CCITF)	4,300	4,300	-
10	Climate Change Innovation & Tech Program (Capital)	4,000	-	(4,000)
11	Energy	135,700	128,800	
12	Carbon Capture and Storage (CCS) Capital Projects	135,700	59,800	(75,900)
13	Coal Phase-Out Agreements	-	69,100	69,100
14	Labour	4,700	5,400	
15	Coal Workforce Transition Program	4,700	5,400	700
16	Treasury Board & Finance	228,000	145,100	
17	Deficit reduction	208,000	145,100	(62,900)
18	Canadian Energy Centre	20,000	-	(20,000)
19	Total	607,900	461,900	

Significant Variances:

2. See question 5 for detailed variance explanation.
3. See question 5 for detailed variance explanation.
10. JEI did not require any capital spending on projects for CCITF.
12. Energy revised the CCS forecast based on expected milestone payments with recipients.
13. Coal Phase-Out were forecasted as part of TIER in-year.
17. The deficit reduction is based on revenue and the under spend is due to receiving less revenue. The deficit reduction allocation for 2019-20 was reviewed by the department and was found to be consistent with the allowable uses of the fund per the *Emissions Management and Climate Resilience Act*.
18. The Canadian Energy Centre spending was removed from TIER spending from 2019-20 as it became an allowable expenditure following January 1, 2020 (per legislation).

Follow-up Responses for Questions Read Into the Record

Topic	Person	Narrative and Question Asked	Hansard Page #
7. Coal and First Nations	Mr. Schmidt (NDP)	I'm going to request that the department provide all correspondence with any First Nations on the topic of the rescission of the coal policy conducted in 2019-2020	17
Response			
<ul style="list-style-type: none"> The Land Use Secretariat had no correspondence with Indigenous communities related to the rescission of the coal policy in 2019-20. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
8. SSRP and Porcupine-Livingstone – First Nations	Mr. Schmidt (NDP)	Provide records of consultation on the South Saskatchewan regional plan and the Porcupine-Livingstone plans with any affected First Nations.	17
Response			
<ul style="list-style-type: none"> The department has no records of consultation with affected First Nations for the Porcupine Hills-Livingstone Plans in 2019-20. The most recent department engagement was in 2018 (Attachment 5) 			

Topic	Person	Narrative and Question Asked	Hansard Page #
9. SSRP – Indigenous Water Table	Mr. Schmidt (NDP)	Provide any record of consultation, correspondence, or analysis with the South Saskatchewan regional plan indigenous water table. Provide the minutes of these meetings and any presentations given to this table. Provide all records associated with selenium monitoring up to the end of fiscal 2019-2020.	17
Response			
<ul style="list-style-type: none"> The Land Use Secretariat does not have any records of the South Saskatchewan Regional Plan Indigenous Water Table for 2019-20. The intent of the Water Sub-Table was to discuss water allocation with Treaty 7 First Nations that do not have water licenses. A part of the work was to conduct water needs assessments for all the Treaty 7 communities, which have been completed. Since all the work has been completed, the table has served its purpose and no longer exists. The last attended meeting was Fall 2017, and a meeting scheduled in Spring 2018 was cancelled. 			
Topic	Person	Narrative and Question Asked	Hansard Page #

10. Westslope Cuthroat Trout	Mr. Schmidt (NDP)	Provide all correspondence to and from the Department of Fisheries and Oceans and/or Environment Canada on the westslope recovery strategy and cumulative effects	17
Response			
<ul style="list-style-type: none"> In consideration of the scope of this question, the department requires more time to compile the information. The department will provide the requested information by August 6, 2021. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
11. Porcupine-Livingstone Subregional Plan Changes	Mr. Schmidt (NDP)	Any record of analysis or correspondence on changes to the Porcupine-Livingstone subregional plan, including any consultations with any recreation or user groups, industrial groups, mining or forestry or other interests, landowners, or leaseholders.	17
Response			
<ul style="list-style-type: none"> The Land Use Secretariat has not been a part of any correspondence with any stakeholder groups about any changes to the Porcupine Hills-Livingstone sub-regional plan in 2019-20. A summary of the most recent engagement is found under Question 8. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
12. Oldman River Water Allocation Order / Coal	Mr. Schmidt (NDP)	Any analysis on the water allocation order – this is the Oldman River water allocation order – including meetings on the status of the allocations; any analysis on needs not addressed by the order; a record of any projects that may not fit within the order; analysis, monitoring, and correspondence on the topic of water allocation given to the Grassy joint review panel.	17
Response			
<ul style="list-style-type: none"> • Analysis about current status of the order (i.e. reserved water quantities, reserved water applied for, reserved water allocated, remaining reserved water) was provided by AEP to stakeholders in November 2020 when AEP sought initial feedback about the order from local communities and the Oldman Watershed Council. No other meetings took place. The order remains unchanged with no plans to amend it. • AEP’s analysis was limited to compiling data of applications made and allocations issued from water reserved under the order. AEP flagged that environmental needs including fisheries is a purpose not currently supported by the order and might need further consideration by communities. AEP did not put forward any other needs or purposes the order does not already include. When the order was created, water was set aside for future use and not for conservation (Attachment 6). AEP was seeking information from local communities whether the order was generally continuing to reflect their needs and priorities. No analysis of the order was prepared for the joint review panel. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
13. Parks and Operations Division – FTE's	Mr. Schmidt (NDP)	If the department could confirm how many full-time equivalents were in Alberta Parks in the 2018-2019 fiscal year and compare that to the 2019-2020 fiscal year and provide a breakdown of the changes between the full-time equivalents in budgets 2018-2019 and 2019-2020, specifically telling us where those full-time equivalents were reduced.	18

Response

Full Time Equivalents (FTEs)	Permanent Positions	Temporary Positions	Wage Positions	Total
2018-19	353	70	288	711
2019-20	326	52	264	642
Difference	-27	-18	-24	-69

- Hiring restraints and efforts to support fiscal responsibility commitments resulted in vacated permanent positions not being filled.
- Temporary positions expired and were not renewed due to the completion of work and to support other budgetary priorities.
- Front line service delivery changes and efficiencies resulted in a reduced number of seasonal staffing.
- All parks and associated services remained open, protected, and accessible.

Topic	Person	Narrative and Question Asked	Hansard Page #
14. Environmental Monitoring	Mr. Schmidt (NDP)	Provide the analysis and correspondence on the February-March decision to suspend environmental monitoring. Tell the committee: who asked for this suspension of monitoring, and what analysis was provided by the office of the Chief Scientist? Please confirm that the office of the Chief Scientist was engaged in the decision to suspend monitoring and provide proof of correspondence to the department or any other documents that prove that he was engaged in this decision.	18
Response			
<ul style="list-style-type: none"> • The Office of the Chief Scientist was not engaged in the decision to suspend monitoring. • The Oil Sands Monitoring Program’s response to the COVID-19 pandemic was to minimize the risk of exposure and transmission by shifting the focus away from field operations, and instead focusing on evaluation and reporting based on existing information, and preparing future operational plans. This shift explains the reduced OSM Program budget for 2020-2021 (\$43,914,450) compared to 2019-2020 (\$58,237,690). Detailed budget information is available at: http://environmentalmonitoring.alberta.ca/activities/oil-sands-monitoring-projects/2019-20-ambient-environment-monitoring-plan-for-oil-sands-development/. Field operations deemed essential to protect human health and safety were continued. • The decision-making process for the Oil Sands Monitoring Program, including the approval of the 2020-2021 budget, is consensus-based. That decision-making process was endorsed in 2018 by Provincial and Federal Governments, along with 18 Indigenous communities, and is available online at https://open.alberta.ca/publications/9781460142363 • Monitoring of surface water quality was largely paused in the early stage of the pandemic, but has since resumed and meets Alberta’s commitments to the Alberta-Northwest Territories Bilateral Water Management Agreement. • During the COVID-19 pandemic, continuous monitoring of ambient air, water quality, as well as critical field monitoring, and emergency response activities continued throughout. • Non-critical field monitoring activities for ambient air and water quality by department staff were temporarily paused in March 2020. By June 2020 remaining field activities resumed with additional safety measures in place to protect staff and the communities where the work was done. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
15. Monitoring Suspension	Mr. Schmidt (NDP)	Please provide the department's analysis, correspondence on the decision to suspend monitoring with investors, oil sands operators, or others and any response to concerns by investment houses or credit-rating agencies on the reputational risks of suspending monitoring in March 2020. Please confirm the understanding that the decision to suspend monitoring was made by the minister or by cabinet. What were the costs? Document the cost savings to industry. Please provide the analysis used by the department that showed that monitoring could not be done safely in March 2020, any analysis by Alberta Health Services, OHS, or any other agency.	18
Response			
<ul style="list-style-type: none"> Please see response for Question 14. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
16. Integrated Regulatory Business Process	Mr. Singh (UCP)	[Annual Report - Key Objective 2.1] Under the \$8 million allocated to the integrated regulatory business process initiative to improve business process efficiency through development of technology solutions, can the ministry explain what the integrated regulatory business process initiative is and what the \$8 million is to be used for?	18
Response			
<ul style="list-style-type: none"> • Alberta Environment and Parks is modernizing its regulatory system to make reviewing approvals more transparent and efficient—all while maintaining high environmental standards. • The new regulatory assurance process seeks to achieve higher levels of regulatory efficiency by: <ul style="list-style-type: none"> ○ implementing an enhanced regulatory assurance system; ○ addressing application backlog by assessing risk and current practices; ○ reducing red tape by eliminating regulatory redundancies; ○ supporting and stimulating the economy by reducing regulatory burdens; and ○ increasing regulatory efficiency and leveraging technology. • A digital platform is being built for the management, conservation and preservation of Alberta's natural resources through the administration of the <i>Water Act</i>, the <i>Environmental Protection and Enhancement Act</i> and the <i>Public Lands Act</i>. • This platform (the Digital Regulatory Assurance System or DRAS) will allow applications to be submitted, reviewed and managed digitally, significantly improving approval timelines and transparency. • DRAS takes into consideration the whole project lifecycle of an application, from its initial submission, monitoring considerations, compliance requirements, and closure and remediation needs. • This digital system will be user-friendly and will lead to consistent and transparent reviews, without compromising environmental outcomes. This will result in timely decisions. • For applicants, DRAS will provide: <ul style="list-style-type: none"> ○ The ability to apply for one project with multiple activities via an integrated application, which the system will walk the user through. ○ Clear, up front application standards and requirements. ○ A clear decision-making process. ○ The ability to track the status of their applications in real time. ○ Clear compliance expectations and ownership of compliance infractions. ○ Increased province wide-consistency in application processes. • The first phase of DRAS is live as of June 21, 2021, and includes <i>Water Act</i> approval applications, amendment submissions and code of practice notices. • Additional modules will be added regularly until 2023. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
17. Regulatory Assurance Framework	Mr. Singh (UCP)	<p>[Annual Report - Key Objective 2.1, page 27] Can the ministry provide an update on the RAF's implementation?</p> <p>Can the ministry explain the process of developing this framework and what it looks like?</p>	18
Response			
<ul style="list-style-type: none"> • The Regulatory Assurance Framework (RAF) is a responsible and holistic approach that considers the whole lifecycle of an approval from application to closure and remediation. The work that has gone into the framework will shape the transformed system. • This will be one of the most significant transformations in Alberta Environment and Parks since its inception in 1971. • RAF provides an effective and efficient regulatory system by: <ul style="list-style-type: none"> ○ Engaging stakeholders in the business design process. ○ Determining clear accountability throughout the lifecycle of activities. ○ Integrating planning, approval, and management process across activities and legislation. ○ Establishing a common risk management framework that reflects operating realities. ○ Identifying approaches to reduce system delays and inefficiencies. ○ Removing uncertainty and redundancy out of the regulatory process, resulting in the use of technology and automation. ○ Enhancing stakeholder awareness and engagement. ○ Supporting continuous business innovation and relevance. • Having staff with boots on the ground instead of focused on managing lengthy and confusing paper-based applications. • To support the implementation of the RAF, a digital platform is being built for the management, conservation and preservation of Alberta's natural resources through the administration of the <i>Water Act</i>, the <i>Environmental Protection and Enhancement Act</i> and the <i>Public Lands Act</i>. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
18. Outdoor Recreation Principles	Mr. Smith (UCP)	<p>[Annual Report - Key Objective, 3.2 page 35] [1.] Can the department explain what these sustainable outdoor recreation principles were, and [2.] what was the outcome of these principles on maintaining environmental health while enabling commercial tourism opportunities and providing certainty to industry?</p> <p>Can you explain some of the results?</p>	18
Response			
<p>1. Can the department explain what these sustainable outdoor recreation principles were?</p> <ul style="list-style-type: none"> • Through recreation management, public education and enforcement, five key principles to manage recreation on provincial Crown land are utilized: <ul style="list-style-type: none"> ○ Engineering: Designing and constructing the facilities to address environmental, economic or social interests and values. ○ Education: Informing recreationists about what is expected, important and interesting. ○ Enforcement: Ensuring compliance with rules and regulations. ○ Evaluation: Making sure actions are accomplishing goals and addressing issues. ○ Experience: Ensuring that the needs of the users are met in a way that creates a positive experience. <p>2. What was the outcome of these principles on maintaining environmental health while enabling commercial tourism opportunities and providing certainty to industry? Can you explain some of the results?</p> <ul style="list-style-type: none"> • <u>Big Island</u> <ul style="list-style-type: none"> ○ Environment and Parks is committed to the establishment of Big Island Provincial Park ○ The Big Island project is led by a tri-government partnership, which includes the Government of Alberta, Enoch Cree Nation and the City of Edmonton. ○ Provincial grant funding announced for planning and engagement is \$300,000. This includes \$189,000 for Enoch Cree Nation and \$109,000 for the City of Edmonton. ○ The ecological assessment and traditional land use study will begin in 2021. Public and Indigenous consultation will occur in 2022. Park establishment is targeted for 2023. 			

Topic	Person	Narrative and Question Asked	Hansard Page #
19. Cows and Fish	Mr. Smith (UCP)	<p>[Annual Report - Key Objective 1.2, page 17] What sort of oversight does the ministry have on this planning [provincial riparian conservation and management program] once it is given to Cows and Fish?</p> <p>In addition to the funding provided, how has the ministry made sufficient efforts to ensure the ministry's goals of good environmental stewardship within livestock practices is achieved?</p>	18
Response			
<p>Note: In addition to the Cows and Fish Core grant of \$310,000 in support of the government platform commitment to <i>“Protect creeks and streams on the Eastern Slopes by adding \$1 million in funding (tripling provincial funding from \$531,000) to the Alberta Riparian Habitat Protection Society’s “Cows and Fish” Program, while seeking matching funds from the private sector.”</i>, a grant of up to \$3 million over three years, i.e., \$1 million per year, contingent on matching funding from external sources, has also been provided to Cows and Fish for Eastern Slopes Riparian habitat work.</p> <ol style="list-style-type: none"> 1. What sort of oversight does the ministry have on this finding once it is given to Cows and Fish? <ul style="list-style-type: none"> • Department staff serve on the Alberta Riparian Habitat Management Society (Cows and Fish) Board of directors. These staff are closely linked to the efforts of the society. • The Department receives an annual workplan from Cows and Fish and an annual report of the society's results including financial information related to the grant funding. 2. In addition to the funding provided, how has the ministry's work with Cows and Fish and their partners helped ensure the ministry's goal of good environmental stewardship within livestock practices is achieved? <ul style="list-style-type: none"> • Department directors meet with Cows and Fish biannually to review Cows and Fish program efforts and the results achieved with the goal of fine-tuning their approach to ensure it aligns with department priorities. • Cows and fish takes a holistic approach to riparian management and riparian habitat protection – although their work with livestock producers is important, this is not the only focus of the program. 			

Committee of Public Accounts Follow-Up Questions - Legislative Clerk

Attachment 2 - Quantity Network Stations

Add All Monitoring Site Locations and Coordinates (insert more rows if required)

Color legend:

- shared operation with ECCC; included in Hydromet Stn. List
- AEP operated, included in Hydromet Stn. List
- discontinued stations

Hydrometric

Site Identifier *	Location Name *	Long/Lat *
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57

07DD007	Athabasca River above Jackfish Creek	58.418651,-110.924943	
07DD011	Athabasca River near Oldfort	58.375429,-111.52728	
07AE001	Athabasca River near Windfall	54.208665,-116.064627	
05DC012	Baptiste River near the Mouth	52.664301,-115.076774	
05AD934	Belly River near Moon River Road	49.733836,-113.1228	
05CE901	BIGELOW RESERVOIR NEAR WIMBORNE	51.887668,-113.464706	
05AC902	BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3	50.156944,-112.533333	
05BM904	CHESTERMERE LAKE AT SOUTH OUTLET	51.017778,-113.818333	
07CE906	CHRISTINA LAKE NEAR WINEFRED LAKE	55.632367,-111.042813	
05AC938	CLEAR LAKE DIVERSION CANAL BELOW HEADGATE	50.236333,-113.479944	
05AC939	CLEAR LAKE DIVERSION HEAD POND ABOVE HEADGATE	50.236889,-113.480889	
05AC901	CLEAR LAKE NEAR STAVELY	50.13333,-113.41111	
07BB009	Connor Creek near Sangudo	54.023311,-114.946676	
05FA020	DRIEDMEAT LAKE AT OUTFLOW	52.788706,-112.714255	
07DD003	Embarras River Below Divergence	58.422222,-111.551389	
07KF015	Embarras River Breakthrough to Mamawi Lake	58.48111,-111.484167	
07FD908	GRIMSHAW DRAINAGE NEAR GRIMSHAW	56.174581,-117.606919	Discontinued 2019
05AC919	KEHO LAKE NEAR NOBLEFORD	49.954555,-112.953304	
07MD001	Lake Athabasca at Fort Chipewyan	58.711111,-111.147222	
07KF002	Lake Clair near outlet to Prairie River	58.629805,-111.69284	
05AC022	LAKE MCGREGOR AT SOUTH DAM	50.278728,-112.826042	
05BN901	Lake Newell	50.377596,-111.847222	
05AC922	Little Bow ReSERVOIR NEAR ENCHANT	50.207306,-112.669074	
05AC034	Little Bow River above Travers Reservoir	50.204768,-112.975545	
05AC930	Little Bow River at Hwy 533	50.355,-113.54194	
05AC914	Little Bow River below Confluence with Mosquito Cr	50.224167,-113.404167	
05AC941	Little Bow River below Twin Valley Reservoir	50.224694,-113.396089	
07KF003	Mamawi Lake Channel at Old Dog Camp	58.633333,-111.333333	
05CD905	Mirror Backflood at Highway No. 50	52.4625,-113.135278	
05DE911	Modeste Creek near Lindale	53.24623056,-114.709408	
05AC937	Mosquito Creek below Clear Lake Diversion	50.237222,-113.477778	
07HA914	Nampa (South) Drainage near Nampa	56.014167,-117.145556	Discontinued 2019
07HC907	North Star Drainage near North Star	56.828249,-117.569732	Discontinued 2019
05AB917	Oldman River at Hwy 811	49.73333333,-113.346667	
07BB013	Paddle River at Highway No. 764	54.048894,-114.672414	
07BB012	Paddle River near Sangudo	53.956903,-114.895257	
07BB914	Paddle River Reservoir near Rochfort Bridge	53.894295,-115.071144	
05CD902	Parby Creek near Mirror	52.492055,-113.108099	
05AD926	Payne Lake North Dam Outflow	49.12163,-113.659522	
07KC005	Peace River below Chenal Des Quatre Fourches	58.900494,-111.584822	
07GC002	Pinto Creek near Grande Prairie	54.842192,-119.389589	Discontinued 2019
05EB902	Pointe-Aux-Pins Creek near Ardrossan	53.59875,-113.164053	
05DC006	Ram River near the Mouth	52.367752,-115.422674	
05CB911	Red Deer River at Garrington Bridge (AEMERA)	51.943469,-114.484147	
05CA010	Red Deer River at Sunde	51.795288,-114.635782	
05CD004	Red Deer River near Nevis	52.306363,-113.077059	
07NA001	Riviere Des Rochers above Slave River	58.991667,-111.4	

07NA007	Riviere Des Rochers East of Little Rapids	58.915278,-111.175	
07NA008	Riviere Des Rochers West of Little Rapids	58.926389,-111.204167	
07FD910	Rycroft Survey No. 3 near Rycroft	55.75212,-118.595962	Discontinued 2019
07FD020	Spirit River near Spirit River	55.741842,-118.837592	Discontinued 2019
05CD903	Spotted Lake near Mirror	52.498494,-113.118794	
05AE908	St. Mary River below St. Mary Dam	49.366667,-113.101389	
05AC921	Travers Reservoir near Enchant	50.177776,-112.720145	
05AC940	Twin Valley Reservoir	50.235572,-113.405577	
05EC002	Waskatenau Creek near Waskatenau	54.123055555555,-112.782778	
05AB046	Willow Creek at Highway No. 811	49.755459,-113.408711	

Meteorology and Snow Stations		
Site Identifier *	Location Name *	Long/Lat *

05AD803	Akamina Pass	49.027277778,-114.052944
05AA803	Allison Pass	49.733333333,-114.6
07OA801	Assumption	58.6,-118.466667
07BC802	Barrhead North	54.283611111,-114.370278
07BB808	Barrhead West	54.181111111,-114.786389
05FA804	Battle River Headwaters	52.930555556,-114.195
05AA804	Beauvais Lake Provincial Park	49.418333333,-114.105556
05EC801	Bellis	54.111666667,-112.075556
05CC801	Bentley	52.486388889,-114.071944
07GE802	Bezanson	55.233333333,-118.516667
05FA803	Bigstone	53.039166667,-113.856944
06AC801	Bonnyville	54.501111111,-110.665
05BA801	Bow River	51.416666667,-116.183333
05BA813	Bow Summit	51.709,-116.47875
05DD801	Brazeau Reservoir	52.931944444,-115.590278
05DD802	Brown Creek	52.769722222,-116.365278
05EE802	Bruce	53.283333333,-112.053056
05AD810	Bullhorn Coulee Reservoir Inlet	49.295277778,-113.358611
05BL813	Burns Creek	50.636361111,-114.904111
05AA815	Chapel Rock	49.723333333,-114.279444
05BA808	Chateau Lawn	51.416666667,-116.216667
05AE819	Chief Customs (Waterton)	49.000277778,-113.658333
07CE906	Christina Lake near Winefred Lake	55.632367,-111.042813
05ED801	Clandonald	53.57,-110.863889
05CD803	Clive	52.579666667,-113.410444
05CA811	Coalcamp Creek	51.731055556,-114.921639
05BJ806	Compression Ridge	50.897416667,-114.910944
05FD801	Coronation #2	52.210194444,-111.241583
05BH803	Cox Hill	51.001305556,-114.936556
05DC802	Crimson Lake	52.4225,-115.022778
05AD811	Cross Drain 5	49.3344693,-113.525637
05AA812	Crowsnest Creek	49.605555556,-114.677778
05BD801	Cuthead Lake	51.45,-115.75
05CC802	Dickson	52.083333333,-114.166667
05CA808	Dogrib Creek	51.666361111,-115.501944
07FC801	Doig Lookout	56.963777778,-119.527917
07AG802	Edson #2	53.583888889,-116.210556
05BJ804	Elbow Ranger Station	50.901666667,-114.686944
05EB802	Elk Island Park	53.579166667,-112.837778
07DD801	Embarras Port	58.383333333,-111.533333

07FD801	Eureka River	56.51666667,-118.75
05BF825	Evan Thomas Creek	50.792166667,-115.052222
07FD802	Fairview	56.033333333,-118.4
05CA809	Fallentimber Creek	51.537361111,-115.101472
07BC803	Flatbush	54.733888889,-114.088611
07BK802	Flattop Lookout	55.146388889,-114.820278
05BL809	Forget-me-not Mountain	50.748888889,-114.733333
07MD801	Fort Chipewyan	58.75,-111.116667
07HF801	Fort Vermilion	58.383334333,-116.033334
05CA807	Gable Mountain	51.633333333,-115.75
05FC801	Gadsby	52.318055556,-112.366667
05AA809	Gardiner Creek	49.3611,-114.5158
05BG802	Ghost Diversion	51.290138889,-115.139528
05BG801	Ghost RS	51.323388889,-114.95975
07GJ801	Girouxville	55.766666667,-117.333333
05AD806	Goat Haunt	48.956666667,-113.890278
05DA805	Golden Eagle	51.830555556,-116.944444
07BF802	Goose Mountain Lookout	54.7506,-116.0332
07CE801	Gordon Lake Lookout	56.619444444,-110.494444
07CA801	Grassland	54.820833333,-112.759722
07BB810	Greencourt	54.013888889,-115.213889
05AH802	Gros Ventre Middle	49.648638889,-110.351472
05AH803	Gros Ventre Upper	49.633333333,-110.316667
07JF801	High Level	58.516666667,-117.183333
07BF801	High Prairie	55.4,-116.45
07BF803	High Prairie (Banana Belt)	55.162972222,-116.415194
05BL802	Highwood Summit Bush	50.6,-114.983333
07AC801	Hinton	53.553888889,-117.9225
05CC803	Hoadley	52.821666667,-114.411667
07BH801	House Mountain Lookout	55.0473,-115.6016
07GD801	Hythe	55.316666667,-119.566667
05AE804	Iceberg Lake Trail	48.833333333,-113.716667
05CE801	Innisfail East	51.996777778,-113.575333
05CA803	James River	51.9,-115
05CA810	James River Headwaters	51.770555556,-115.313889
05CA804	James River Ranger Station	51.889166667,-114.993889
05DD805	Job Creek	52.371944444,-116.778889
05DD803	Job Lake	52.367777778,-116.86
05AE808	Josephine Lower	48.77633,-113.67667
05BH802	Jumpingpound Ranger Station	51.04,-114.734722
05BA814	Katherine Lake	51.683333333,-116.383333
07HF802	Keg River Snow Course	57.583333333,-117.483333
07BJ805	Kinuso	55.2275,-115.383611
05CE802	Kneehill Valley	51.997777778,-113.735
05BA812	Larch Valley	51.316666667,-116.216667
05DF801	Leduc	53.294444444,-113.658611
05AE814	Lee Creek "Q"	49.063722222,-113.556667
05AE817	Lee Creek 99	49.002777778,-113.543889
05DB802	Limestone Ridge	51.894194444,-115.383472
05BJ805	Little Elbow Summit	50.822222222,-114.988889
07BB812	Little Paddle Headwaters	54.026666667,-115.503889
07GG801	Little Smoky	54.733333333,-117.15

05AA816	Livingstone Airfield	50.05,-114.427778
07BA802	Lodgepole	53.4933333333,-115.426111
05BL811	Lost Creek South	50.173888889,-114.71
05FB801	Lougheed	52.670555556,-111.555833
07AF803	Luscar Creek	53.056805556,-117.334639
05CD804	Magee Lake	52.615,-113.409722
05FE801	Mannville	53.160833333,-111.138611
07AA803	Marmot-Jasper	52.806666667,-118.089444
07BB809	Mayerthorpe	53.858333333,-115.355556
05CA806	McConnell Creek	51.683333333,-115.983333
07BB803	Meadowview	54.003333333,-114.674722
05AH810	Medicine Lodge Lookout	49.655555556,-110.327778
05AE820	Milk River Ridge	49.2252,-112.8472
11AA808	Milk River Ridge Reservoir	49.28,-112.54
05BA806	Mirror Lake	51.416666667,-116.233333
05BL806	Mist Creek	50.516666667,-114.833333
05AH806	Mitchell Creek Lower	49.657527778,-110.292667
05AH807	Mitchell Creek Upper	49.634305556,-110.288083
05EA802	Morinville	53.863055556,-113.494167
05BL812	Mount Odlum	50.485917667,-114.913084
05AE806	Mt. Allen	48.766666667,-113.683333
05BF821	Mud Lake	50.783333333,-115.316667
05DA804	Nigel Creek	52.192222222,-117.082222
05DC801	Nordegg	52.443611111,-116.104444
07HC801	North Star	56.866666667,-117.633333
07HC802	Notikewin LO	56.869472222,-118.599889
07AD801	Obed	53.564722222,-117.205556
05EA803	Onoway	53.717222222,-114.172778
07BB813	Paddle Dam Precip Site	53.896111111,-115.078056
07BB811	Paddle River Headwaters	53.868888889,-115.543056
05CD902	Parlby Creek near Mirror	52.492055,-113.108099
05AA810	Pasque Creek	50.092694444,-114.608028
07BF804	Peavine	55.839166667,-116.266667
05AE805	Peigan Pass	48.76317,-113.69167
05AA811	Pelletier Creek	49.673611111,-114.481389
07CA802	Perryvale	54.470277778,-113.1675
05BA815	Pika Run	51.462944444,-116.117833
05AB810	Pine Coulee Precipitation Site	50.11805556,-113.751389
05AB811	Pine Coulee Reservoir Site	50.118055556,-113.751389
07GC801	Pinto Lookout	54.780833333,-119.396111
05BA802	Pipestone Upper	51.433333333,-116.166667
05AA813	Porcupine Lookout	49.886666667,-114.002222
05AA819	Prairie Bluff	49.306527778,-114.090944
05CD811	Prentiss	52.433666667,-113.592167
05BA810	Ptarmigan Hut	51.466666667,-116.1
05AE807	Ptarmigan Lake	48.833333333,-113.716667
05AC801	Queenstown	50.7,-112.916667
05AH804	Ross Creek Lower	49.67225,-110.261806
05AH808	Ross Creek Upper	49.664527778,-110.237583
05AH811	Rush Lake	49.713138889,-110.65775
07FD803	Rycroft	55.7,-118.733333
07BK801	Saulteaux River	55.131388889,-114.189722

05CA812	Scalp Creek	51.798055556,-115.652167
05CA813	Scotch Camp	51.666666667,-115.819444
07GE803	Sexsmith	55.416666667,-118.866667
05BL810	Sheep River II	50.652777778,-114.617778
05CA805	Skoki Lodge	51.540555556,-116.056389
05BG803	South Ghost Headwaters	51.2125,-115.171944
05AA817	South Racehorse Creek	49.783333333,-114.6
05DD804	Southesk	52.670833333,-117.225556
05AD804	Spionkop Creek	49.209166667,-114.080556
07GF801	Spring Creek #1 (Moose)	54.951866667,-117.7515
05AE818	St. Mary Ranger Station at St. Mary's	48.73633,-113.42433
05AE821	St. Mary Reservoir	49.361388889,-113.11
05ED802	St. Paul	53.976666667,-111.006389
05AB809	Streeter	50.110833333,-114.050556
07GH801	Sturgeon Heights	53.066666667,-117.683333
05BL807	Sullivan Creek	50.510833333,-114.439167
05CB801	Sundre	51.783333333,-114.516667
05CA814	Sundre	51.766666667,-114.638889
05BB803	Sunshine Village	51.083333333,-115.783333
07AA802	Sunwapta Falls	52.543333333,-117.648056
07KF802	Sweetgrass	58.85,-112
05AA818	Tennessee Creek	49.693166667,-113.977972
05BC801	Tent Ridge	50.85,-115.366667
05BF824	Three Isle Lake	50.631388889,-115.279444
05DE801	Tomahawk - AARD	53.439472222,-114.718833
07BB814	Twin Lakes	54.058888889,-114.794722
05EE801	Two Hills	53.714722222,-111.696389
05AA808	Vicary Creek	49.802527778,-114.471722
05FD802	Wainwright	52.772222222,-110.6075
05EC802	Waskatenau	54.198611111,-112.825
05DA806	Watchman Creek	52.055,-117.235278
05CB802	Water Valley	51.497222222,-114.711389
05AD805	Waterton Lakes Red Rock	49.131944444,-114.026389
05AA801	Westcastle II	49.278055556,-114.365556
07BC801	Westlock	54.006944444,-113.989722
05FA801	Wetaskiwin Snow Course	52.987777778,-113.630833
07AG803	Whitecourt	54.070277778,-115.554444
05BL804	Wilkinson Summit Bush	50.2,-114.55
05BL805	Wilkinson Summit Open	50.2,-114.55
05AA814	Willoughby Ridge	49.545833333,-114.496667

River Ice Monitoring Stations

Site Identifier *	Location Name *	Long/Lat *
07CC908	Athabasca River above Grand Rapids - Location #1	56.298333,-112.578611
07CC907	Athabasca River above Mountain Rapids	56.64916667,-111.61
07CC906	Athabasca River below Cascade Rapids	56.62027778,-111.686944
07CC905	Athabasca River below Crooked Rapids	56.58027778,-111.825

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Lake Level Monitoring

Site Identifier *	Location Name *	Long/Lat *
05CD928	ALIX LAKE AT ALIX	52°24'09",113°11'49"
06AA902	AMISK LAKE NEAR BOYLE	54°36'26",112°38'44"
06AD901	ANGLING LAKE NEAR GRAND CENTRE	54°12'14",110°18'33"
05EB904	ANTLER LAKE NEAR TOFIELD	53°29'55",112°58'09"

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05EB905	ASTOTIN LAKE NEAR FORT SASKATCHEWAN	53°41'02",112°51'44"
05FA903	BATTLE LAKE NEAR HOADLEY	52°56'55",114°08'38"
07GE004	BEAR LAKE NEAR CLAIRMONT	55°16'11",118°58'32"
07AG901	BEAR LAKE NEAR EDSON	53°44'28",116°09'39"
05FA904	BEARHILLS LAKE NEAR WETASKIWIN	52°57'30",113°36'45"
06AC914	BEARTRAP LAKE NEAR GRAND CENTRE	54°14'15",110°33'15"
05AA901	BEAUVAIS LAKE NEAR PINCHER CREEK	49°24'30",114°06'00"
06AA003	BEAVER LAKE AT RANGER STATION	54°45'40",111°54'05"
05AA902	BEAVER MINES LAKE NEAR BELLEVUE	49°22'00",114°18'00"
05AE905	BEAVERDAM LAKE NEAR CARDSTON	49°05'24",113°36'22"
05EB906	BEAVERHILL LAKE NEAR TOFIELD	53°27'15",112°26'09"
05EE903	BENS LAKE NEAR TWO HILLS	53°39'29",111°52'6 "
05EB917	BIG ISLAND LAKE NEAR SHERWOOD PARK	53°28'54",113°11'40"
05EA902	BIG LAKE NEAR ST. ALBERT	53°37'11",113°39'15"
05EE904	BIRCH LAKE NEAR INNISFREE	53°21'47",111°31'19"
05FA906	BITTERN LAKE NEAR BITTERN LAKE	53°00'40",113°04'20"
05EB918	BOAG LAKE NEAR SHERWOOD PARK	53°31'19",113°13'25"
07BC909	BOLLOQUE LAKE NEAR ATHABASCA	54°30'01",113°40'50"
05ED902	BONNIE LAKE NEAR VILNA	54°08'44",111°52'42"
05ED915	BORDEN LAKE NEAR ELK POINT	53°51'38",110°35'08"
05DE901	BUCK LAKE NEAR DRAYTON VALLEY	52°57'09",114°47'01"
07GE901	BUFFALO LAKE NEAR LA GLACE	55°22'33",118°58'26"
05CA903	BURNSTICK LAKE NEAR SUNDRE	51°59'40",114°51'00"
07AC906	CACHE LAKE NEAR HINTON	53°29'39",117°47'52"
07HA901	CARDINAL LAKE AT QUEEN ELIZABETH PROVINCIAL PARK	56°13'07",117°41'58"
05CD904	CARLYLE RESERVOIR NEAR MIRROR	52°28'33",113°05'01"
05BM904	CHESTERMERE LAKE AT SOUTH OUTLET	NE1/4-030024-28-W4,
05EA904	CHICKAKOO LAKE NEAR STONY PLAIN	53°36'56",114°04'16"
06AC903	CHICKENHILL LAKE NEAR ST. PAUL	54°06'41",111°06'10"
07CE906	CHRISTINA LAKE NEAR WINEFRED LAKE	SW31-76-5-W4,
05AC901	CLEAR LAKE NEAR STAVELY	NE 31-13-25-W4,
05EB012	COOKING LAKE AT COOKING LAKE	53°24'46",113°06'50"
05DC902	COW LAKE NEAR ROCKY MOUNTAIN HOUSE	52°17'35",115°01'05"
05DC903	CRIMSON LAKE NEAR ROCKY MOUNTAIN HOUSE	52°26'58",115°01'50"
05AF901	CROW INDIAN LAKE NEAR SKIFF	49°22'30",111°48'00"
05CC913	CYGNET LAKE AT HIGHWAY 11	52°16'58",114°00'12"
07BC903	DAPP LAKE NEAR WESTLOCK	54°20'59",113°36'39"
05GA901	DILLBERRY LAKE NEAR WAINWRIGHT	52°34'38",110°00'37"
05FA020	DRIEDMEAT LAKE AT OUTFLOW	SE 17-44-19-W4,
05BM905	EAGLE LAKE NEAR STRATHMORE	51°00'32",114°00'13"
05FE903	EARLIE LAKE NEAR KITSCOTY	53°11'09",110°24'13"
07BA901	FAIRFAX LAKE NEAR ROBB	52°58'17",116°34'58"
07AF903	FICKLE LAKE NEAR EDSON	53°27'11",116°45'56"
07HA908	FIGURE EIGHT LAKE NEAR BROWNVALE	56°17'54",117°54'10"
05DC904	FISH LAKE NEAR NORDEGG	52°27'24",116°08'34"
07CA905	FLAT LAKE NEAR BOYLE	54°36'15",112°56'37"
06AA904	FLOATINGSTONE LAKE NEAR SPEDDEN	54°12'45",111°37'31"
07JF901	FOOTNER LAKE NEAR HIGH LEVEL	58°36'29",117°10'08"
06AA905	FORK LAKE NEAR LAC LA BICHE	54°27'19",111°32'33"
05ED904	FROG LAKE NEAR ELK POINT	53°51'49",110°21'17"
05CC902	GABRIEL LAKE NEAR BENTLEY	52°26'08",114°26'38"
06AA906	GARNER LAKE NEAR SPEDDEN	54°10'53",111°43'43"

05DC905	GOLDEYE LAKE NEAR NORDEGG	52°26'49",116°11'20"
06AA907	GOODFISH LAKE NEAR VILNA	54°15'31",111°48'07"
07AH903	GOOSE LAKE NEAR FORT ASSINIBOINE	54°18'51",115°08'11"
05GA904	GOOSEBERRY LAKE NEAR CONSORT	52°07'04",110°45'01"
07GA901	GRANDE CACHE LAKE NEAR GRANDE CACHE	53°54'34",119°02'57"
07AC902	GRAVEYARD LAKE NEAR HINTON	53°29'41",117°47'57"
07AC903	GREGG LAKE NEAR HINTON	53°31'52",117°48'18"
05EC901	HANMORE LAKE NEAR SMOKY LAKE	54°17'13",112°30'04"
05EA908	HASSE LAKE NEAR STONY PLAIN	53°29'30",114°10'32"
05EB011	HASTINGS LAKE NEAR DEVILLE	53°25'32",112°53'57"
05EA915	HUBBLES LAKE NEAR STONY PLAIN	53°33'54",114°04'46"
07OB901	HUTCH LAKE NEAR HIGH LEVEL	58°45'00",117°21'00"
07GG901	IOSEGUN LAKE NEAR FOX CREEK	54°27'36",116°48'29"
06AA908	IRONWOOD LAKE NEAR LAC LA BICHE	54°35'42",111°32'42"
07BE904	ISLAND LAKE NEAR ATHABASCA	54°50'11",113°33'08"
05DE902	JACKFISH LAKE NEAR STONY PLAIN	53°28'55",114°13'41"
07AC904	JARVIS LAKE NEAR HINTON	53°27'44",117°47'52"
06AC906	JESSIE LAKE NEAR BONNYVILLE	54°15'21",110°42'18"
05EB903	JOSEPH LAKE NEAR NEW SAREPTA	53°16'46",113°04'30"
06AC907	KEHIWIN LAKE NEAR BONNYVILLE	54°02'15",110°54'17"
07HA907	KIMIWAN LAKE AT MCLENNAN	55°42'42",116°54'58"
07AD902	KINKY LAKE NEAR HINTON	53°16'55",117°46'42"
06AA926	KINOSIU LAKE NEAR VENICE	54°42'40",112°13'41"
07GE911	LA GLACE LAKE NEAR LA GLACE	55°23'45",119°13'47"
05ED910	LAC SAINT CYR NEAR ST. PAUL	53°53'27",111°12'17"
05ED911	LAC SANTÉ NEAR ST. PAUL	53°49'45",111°34'11"
05AC022	LAKE MCGREGOR AT SOUTH DAM	NE 21-15-21-W4,
07FD918	LAST LAKE NEAR WHITELAW	56°14'50",118°00'17"
05ED912	LAURIER LAKE NEAR HEINSBURG	53°51'11",110°34'25"
07BE905	LAWRENCE LAKE NEAR ATHABASCA	54°59'33",113°39'39"
07BE906	LEBEAUS LAKE NEAR WESTLOCK	54°15'41",113°45'07"
07FD925	LEDDY LAKE NEAR CHINOOK VALLEY	56°33'38",117°27'02"
05AA903	LEES LAKE NEAR PINCHER CREEK	49°32'30",114°13'40"
07BB904	LESSARD LAKE NEAR GLENEVIS	53°46'51",114°37'48"
05FC901	LITTLE BEAVER LAKE NEAR FERINTOSH	52°45'56",112°58'25"
05CG901	LITTLE FISH LAKE NEAR DRUMHELLER	51°22' ",112°15' "
07AH904	LITTLE McLEOD (PEGASUS) LAKE NEAR WHITECOURT	54°18'29",115°37'31"
05BK901	LLOYD LAKE NEAR PRIDDIS	50°52'40",114°09'45"
07BC901	LONG ISLAND LAKE NEAR WESTLOCK	54°26'04",113°45'59"
07BC905	LONG LAKE NEAR ATHABASCA	54°35'17",113°38'13"
06AA909	LONG LAKE NEAR BOYLE	54°26'39",112°45'57"
07AG902	LONG LAKE NEAR EDSON	53°47'43",116°12'25"
05EA928	LONGHURST LAKE NEAR STONY PLAIN	53°27'59",114°00'05"
06AA910	LOWER MANN LAKE NEAR ASHMONT	54°09'36",111°30'07"
05ED906	LOWER THERIEN LAKE NEAR ST. PAUL	53°56'43",111°19'53"
07GJ902	MAGLOIRE LAKE NEAR FALHER	55°53'08",117°11'06"
07BB905	MAJEAU LAKE NEAR GLENEVIS	53°53'24",114°24'36"
05EA911	MANAWAN LAKE NEAR LEGAL	53°52'54",113°38'46"
05EA906	MATCHAYAW LAKE NEAR STONY PLAIN	53°43'06",114°06'09"
07AH901	McLEOD (CARSON) LAKE NEAR WHITECOURT	54°17'34",115°38'19"
05CC904	MEDICINE LAKE NEAR RIMBEY	52°45'11",114°44'48"
07AF902	MILLERS LAKE NEAR MARLBORO	53°33'40",116°45'42"

05EB013	MINISTIK LAKE NEAR NEW SAREPTA	53°20'36",113°03'15"
05DE904	MINK LAKE NEAR CARVEL CORNER	53°30'51",114°13'35"
06AA916	MINNIE LAKE NEAR GLENDON	54°16'42",111°06'08"
07AG903	MINNOW LAKE NEAR EDSON	53°21'58",116°02'53"
05EB014	MIQUELON LAKE AT PROVINCIAL PARK	53°14'37",112°54'05"
06AA912	MISSAWAWI LAKE NEAR VENICE	54°42'44",112°13'12"
07BK901	MITSUE LAKE NEAR SLAVE LAKE	55°15'38",114°36'13"
05EC920	MONS LAKE NEAR SMOKY LAKE	54°11'09",112°20'45"
07FD920	MONTAGNEUSE (STONE) LAKE NEAR HINES CREEK	56°30'17",118°28'18"
07FD905	MOONSHINE LAKE AT MOONSHINE LAKE PROVINCIAL PARK	55°53'00",119°13'15"
06AC911	MOOSE LAKE NEAR BONNYVILLE	54°16'06",110°49'40"
07GB901	MUSREAU LAKE NEAR GRANDE PRAIRIE	54°33'29",118°37'25"
07BB906	NAKAMUN LAKE NEAR ONOWAY	53°53'05",114°13'25"
07BE911	NARROW LAKE NEAR ATHABASCA	54°36'55",113°36'51"
06AA913	NORTH BUCK LAKE NEAR CASLAN	54°39'45",112°31'21"
07AD903	OBED LAKE NEAR HINTON	53°32'40",117°09'43"
05AE902	OUTPOST LAKE AT POLICE OUTPOST PARK	49°01'00",113°27'00"
07BB914	PADDLE RIVER RESERVOIR NEAR ROCHFORD BRIDGE	SE02-57-08-W5,
05AF911	PAKOWKI LAKE ON HARAGA RANCH	49°20'18",110°57'49"
05AD902	PARK LAKE AT PROVINCIAL PARK	49°48'15",112°55'30"
05AD940	PAYNE LAKE NEAR MOUNTAIN VIEW	SE 11 2 28 W4,
07GA902	PIERRE GREYS LAKES (LOWER) NEAR MUSKEG	53°54'28",118°36'36"
07GA903	PIERRE GREYS LAKES (MIDDLE) NEAR MUSKEG	53°54'05",118°35'00"
07GA904	PIERRE GREYS LAKES (UPPER) NEAR MUSKEG	53°54'12",118°34'50"
05CE902	PINE LAKE NEAR PINE LAKE	52°06'53",113°28'06"
06AB901	PINEHURST LAKE NEAR LAC LA BICHE	54°39'05",111°28'22"
05EB930	POPLAR LAKE NEAR SHERWOOD PARK	53°30'12",113°12'46"
06AF903	PRIMROSE LAKE NEAR COLD LAKE	54°46'30",110°03'45"
07GH905	RAT LAKE NEAR DONNELLY	55°44'48",117°01'39"
05FA909	RED DEER LAKE NEAR FERINTOSH	52°45'43",113°05'42"
06AC925	REITA LAKE NEAR BONNYVILLE	54°08'00",110°23'06"
05FD903	RIBSTONE LAKE NEAR WAINWRIGHT	53°46'04",110°40'11"
07AC905	ROCK LAKE NEAR HINTON	53°28'02",118°15'33"
05AE903	ROSS LAKE NEAR MAGRATH	49°09'30",112°55'00"
05AF909	RUSH LAKE NORTH BASIN	49°23'30",112°12'10"
05AF910	RUSH LAKE SOUTH BASIN	49°23'10",112°12'10"
05FA910	SAMSON LAKE NEAR HOBBERMA	52°43'49",113°13'03"
05EA914	SANDY LAKE NEAR MORINVILLE	53°47'54",114°02'09"
07AG905	SANG (SURPRISE) LAKE NEAR EDSON	53°34'00",116°08'30"
07GE913	SASKATOON LAKE NEAR GRANDE PRAIRIE	55°12'24",119°05'20"
07AH905	SCHUMAN LAKE NEAR FORT ASSINIBOINE	54°19'07",115°04'34"
05AF908	SECTION 9 WETLANDS	49°22'10",112°13'20"
05CE903	SEVERN RESERVOIR NEAR STANDARD	51°12'30",112°57'00"
11AA901	SHANKS LAKE NEAR DEL BONITA	49°03'20",112°43'00"
07AG904	SHININGBANK LAKE NEAR PEERS	53°51'53",116°01'55"
05CF903	SHOOTING LAKE NEAR GADSBY	52°10'12",112°21'26"
05BH905	SIBBALD LAKE NEAR SIBBALD FLATS	51°02'50",114°51'20"
06AA914	SKELETON LAKE NEAR BOYLE	54°35'46",112°41'51"
07GG902	SMOKE LAKE NEAR FOX CREEK	54°21'53",116°54'47"
05EC902	SMOKY LAKE NEAR WARSPITE	54°09' ",112°38' "
07GH901	SNIPE LAKE NEAR VALLEYVIEW	55°09'49",116°45'08"
05CD903	SPOTTED LAKE NEAR MIRROR	SW04-41-22-W4,

05EA905	SPRING LAKE NEAR STONY PLAIN	53°30'51",114°07'51"
07BC005	STEELE LAKE NEAR JARVIE	54°38'28",113°49'06"
07HA909	SULPHUR LAKE NEAR DIXONVILLE	56°42'17",118°18'42"
05DF903	TELFORD LAKE AT LEDUC	53°15'51",113°32'36"
07BB909	THUNDER LAKE NEAR BARRHEAD	54°07'12",114°42'46"
07BB913	TIGER LILY (LONG) LAKE NEAR BARRHEAD	54°08'31",114°43'47"
06AB902	TOUCHWOOD LAKE NEAR LAC LA BICHE	54°51'34",111°25'46"
05AC921	TRAVERS RESERVOIR NEAR ENCHANT	NE 18-14-20-W4,
07HC903	TWIN LAKES (EAST) NEAR KEG RIVER	57°26'57",117°31'38"
05AC940	TWIN VALLEY RESERVOIR NEAR HIGHWAY NO. 529	SE1/4-05-015-25-W4,
07GC901	TWO LAKES (SOUTH) NEAR GRANDE PRAIRIE	54°20'46",119°47'39"
05AF903	TYRRELL LAKE NEAR WARNER	49°22'30",112°14'00"
06AA911	UPPER MANN LAKE NEAR ASHMONT	54°08'25",111°32'21"
05ED907	UPPER THERIEN LAKE NEAR ST. PAUL	53°58'57",111°17'14"
05EE909	VERMILION RIVER 4 MILES WEST OF TWO HILLS	53°40'49",111°50'37"
05EE908	VERMILION RIVER AT TWO HILLS	53°42'17",111°44'40"
05EE907	VERMILION RIVER NEAR MUSIDORA	53°41'52",111°34'27"
07GA905	VICTOR LAKE NEAR GRANDE CACHE	53°53'07",119°05'25"
05ED913	VINCENT LAKE NEAR ASHMONT	54°07'47",111°21'02"
05EC903	WAKOMAO LAKE NEAR CLYDE	54°08'41",113°31'43"
05EE910	WATT LAKE NEAR TWO HILLS	53°42'56",111°55'35"
06AA915	WHITEFISH LAKE NEAR VILNA	54°20'14",111°52'59"
07AD904	WILDHORSE LAKES (EAST) NEAR HINTON	53°16'09",117°47'26"
05DF901	WIZARD LAKE NEAR LEDUC	53°07' ",113°50' "
07AG906	WOLF LAKE NEAR EDSON	53°12'42",116°04'16"
05AJ901	YELLOW LAKE (STATION 0)	49°48'00",111°42'00"

Committee of Public Accounts Follow-Up Questions - Legislative Clerk
Attachment 3 - Lakes and Reservoir Water Quality Sites

LAKE	Fiscal Year	Calender Month	Month(s)
BAPTISTE LAKE; north and south basins	2017-2018	2018	Mar
ETHEL LAKE (NEAR COLD LAKE)	2017-2018	2018	Mar
LITTLE FISH LAKE	2018-2019	2018	May, Oct
NAKAMUN LAKE	2018-2019	2018	May, Jun, Jul, Aug, Sep, Oct
CHINOOK LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
CROWSNEST LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
TWIN VALLEY RESERVOIR	2018-2019	2018	Jun, Jul, Aug, Sep
ISLE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SHORNCLIFFE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
BOURQUE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SANDY LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
UTIKUMA LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
BEAVER LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
BLACKFALDS LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
BUFFALO LAKE (NEAR BASHAW)	2018-2019	2018	Jun, Jul, Aug, Sep
BURNTSTICK LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
CALLING LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
CLEAR LAKE (BARNS LAKE)	2018-2019	2018	Jun, Jul, Aug, Sep
HALF MOON LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
HILDA LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
JACKFISH LAKE (NEAR CARVEL)	2018-2019	2018	Jun, Jul, Aug, Sep
JESSIE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
LAC STE. ANNE	2018-2019	2018	Jun, Jul, Aug, Sep
LACOMBE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
LAURIER LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
LITTLE BEAVER LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
LONG ISLAND LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MATCHAYAW LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MCLEOD LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MEDICINE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MINNIE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MOONSHINE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MOORE (CRANE) LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
MOOSE LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
PIGEON LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SASKATOON LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SILER (STONE) LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SKELETON LAKE; north and south basins	2018-2019	2018	Jun, Jul, Aug, Sep
STURGEON LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
SYLVAN LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
VINCENT LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
WINAGAMI LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
WIZARD LAKE	2018-2019	2018	Jun, Jul, Aug, Sep
NAKAMUN LAKE	2018-2019	2019	Jan, Feb, Mar
LITTLE FISH LAKE	2019-2020	2019	May, Jun, Jul, Aug, Sep, Oct, Dec
NAKAMUN LAKE	2019-2020	2019	May, Jun, Jul, Aug, Sep, Oct, Dec

LAKE	Fiscal Year	Calender Month	Month(s)
BULLSHEAD RESERVOIR	2019-2020	2019	Jun, Jul, Aug, Sep
ISLAND LAKE NORTH (CROWSNEST PASS)	2019-2020	2019	Jun, Jul, Aug, Sep
POLICE OUTPOST LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
FICKLE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
ROCK LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
ANTLER LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
BUFFALO LAKE (NEAR BASHAW)	2019-2020	2019	Jun, Jul, Aug, Sep
CALLING LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
CHESTERMERE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
DILLBERRY LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
ELKWATER LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
HALF MOON LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
JACKFISH LAKE (NEAR CARVEL)	2019-2020	2019	May
KEHIWIN LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
LACOMBE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
LAKE NEWELL	2019-2020	2019	Jun, Jul, Aug, Sep
LAURIER LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
LITTLE BEAVER LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
MARIE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
MINNIE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
MOORE (CRANE) LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
MOOSE LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
MURIEL LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
PIGEON LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
REESOR LAKE RESERVOIR	2019-2020	2019	Jun, Jul, Aug, Sep
SKELETON LAKE; north and south basins	2019-2020	2019	Jun, Jul, Aug, Sep
SPRUCE COULEE RESERVOIR	2019-2020	2019	Jun, Jul, Aug, Sep
THUNDER LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
UPPER MANN LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
VINCENT LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
WABAMUN LAKE	2019-2020	2019	Jun, Jul, Aug, Sep
WIZARD LAKE	2019-2020	2019	Jun, Jul, Aug, Sep

Committee of Public Accounts Follow-Up Questions - Legislative Clerk

Attachment 4 - River Water Quality Sites

Station Name and Description	Station Code	Station Latitude	Station Longitude	Samples per year	Project Name	Notes
Athabasca River at Old Entrance Town Site - Left Bank	AB07AD0100	53 3675	-117.7225	12	LTRN	
Athabasca River at Old Fort - Right Bank	AB07DD0010	58 3828	-111.5178	12	LTRN	
Athabasca River at Town of Athabasca	AB07BE0010	54.7222	-113.2861	12	LTRN	
Athabasca River at Vega Ferry (Klondyke) Centre Of River Arc km. 893.4	AB07BD0010	54.4311	-114.4606	12	LTRN	
Athabasca River Transect Above The Firebag River - Right Bank	AB07DA0980	57.7236	-111.3792	12	LTRN	Suspended July 2019; program change
Athabasca River d/s Of Devils Elbow at Winter Road Crossing	AB07DD0105	58.4472	-111.1858	12	LTRN	
Athabasca River u/s Fort McMurray, 100 M Above The Confluence With Horse River - Left Bank	AB07CC0030	56.7203	-111.4056	12	LTRN	
Battle River Approx 2 km d/s Hwy 53	AB05FA0060	52.6588	-113.6751	12	LTRN	
Battle River at North End Of Driedmeat Lake	AB05FA0340	52 9374	-112.8486	12	LTRN	
Beaver River at Bridge On Highway 892 at Ardmore	AB06AC0100	54.4304	-110.4824	12	LTRN	
Beaver River at Gravel Pit Near AB/SK Border - Centre	AB06AD0130	54 2514	-110.0297	12	LTRN	
Beaver River at Hwy #28 Bridge Near Beaver Crossing - Centre	AB06AD0060	54.355	-110.2144	12	LTRN	
Bow River at Cluny	AB05BM0590	50.7731	-112.8455	12	LTRN	
Bow River at Cochrane	AB05BH0010	51.1831	-114.4871	12	LTRN	
Bow River Below Carseland Dam	AB05BM0010	50 8306	-113.4167	12	LTRN	
Bow River Near Ronalane Bridge	AB05BN0010	50 0473	-111.5909	12	LTRN	
Elbow River at 9Th Ave Bridge	AB05BJ0450	51 0448	-114.0419	12	LTRN	
Milk River at Hwy 880	AB11AA0070	49.1442	-111.3108	12	LTRN	
North Saskatchewan River 1 km u/s Clearwater River	AB05DC0050	52 3481	-114.9818	12	LTRN	
North Saskatchewan River at Devon	AB05DF0010	53 3689	-113.7514	12	LTRN	
North Saskatchewan River at Pakan Bridge	AB05EC0010	53 9909	-112.4759	12	LTRN	
North Saskatchewan River at Saunders Campground - Transect	AB05DC0025	52.4538	-115.7595	12	LTRN	
Oldman River Above Lethbridge at Hwy 3	AB05AD0010	49.7067	-112.8629	12	LTRN	
Oldman River at Hwy 36 Bridge North Of Taber	AB05AG0010	49 9611	-112.0847	12	LTRN	
Oldman River Near Brocket-Left Bank	AB05AB0070	49 5586	-113.8222	12	LTRN	
Peace River 1.5 km Above Confluence Of Whitemud River - Centre	AB07HA0230	56.6564	-117.1467	12	LTRN	
Peace River at Fort Vermilion - Centre	AB07HF0010	58.4044	-116.1281	12	LTRN	
Peace River u/s Smoky River Near Shaftesbury Ferry Transect	AB07FD0135	56 0932	-117.5661	12	LTRN	
Red Deer River 1 km u/s Hwy 2 Bridge	AB05CC0010	52 2672	-113.8636	12	LTRN	
Red Deer River at Morrin Bridge	AB05CE0009	51.6528	-112.9042	12	LTRN	
Red Deer River at Nevis Bridge-Right Bank	AB05CD0250	52 3064	-113.0792	12	LTRN	
Red Deer River at Sundre	AB05CA0050	51.7958	-114.635	12	LTRN	
Red Deer River d/s Dinosaur Prov Park at Hwy 884 Near Jenner-Right Bank	AB05CJ0070	50 8386	-111.1767	12	LTRN	
Smoky River at Watino	AB07GJ0010	55.7156	-117.6219	12	LTRN	
South Saskatchewan River Above Medicine Hat	AB05AK0020	50 0433	-110.7222	12	LTRN	
Wapiti River Above Confluence With Smoky River - Centre - km 0.5	AB07GJ0030	55.1367	-118.3083	12	LTRN	
Wapiti River at Hwy #40 Bridge - Centre - km 44	AB07GE0020	55 0719	-118.8047	12	LTRN	

Station Name and Description	Station Code	Station Latitude	Station Longitude	Samples per year	Project Name	Notes
Coal Creek 1/2 Mile West Of Bow City	AB05AJ0060	50.1494	-111.6654	8	TMN-Bow	
Crowfoot Creek On Hwy 1	AB05BM0620	50.8346	-112.7628	8	TMN-Bow	
East Arrowwood Creek Near The Mouth	AB05BM0585	50.7348	-113.1307	8	TMN-Bow	
Fish Creek #8 Near The Mouth NE 1/4-25-22-1-W5	AB05BK0070	50.9069	-114.0156	12	TMN-Bow	
Ghost River Above Confluence With Waiparous Creek	AB05BG0090	51.2818	-114.8393	12	TMN-Bow	
Highwood River at the Mouth	AB05BH0490	50.7832	-113.8209	12	TMN-Bow	
Highwood River d/s Of High River at Bend In Back Road To High River	AB05BL0210	50.6009	-113.858	12	TMN-Bow	
Jumpingpound Creek Near Mouth	AB05BH0040	51.1838	-114.499	12	TMN-Bow	
New West Coulee at Hwy 36 Crossing	AB05BN0130	50.2167	-112.105	8	TMN-Bow	
Nose Creek Near The Mouth-Memorial Drive	AB05BH0370	51.0471	-114.0195	12	TMN-Bow	
Pine Creek Near The Mouth	AB05BM0145	50.8449	-113.9624	12	TMN-Bow	
Sheep River 1.6 km d/s Of Hwy 2	AB05BL0470	50.7124	-113.8834	12	TMN-Bow	
Sheep River Approximately 1.0 km d/s WSC Gauge	AB05BL1440	50.697	-114.2347	12	TMN-Bow	
Twelve Mile Creek Near Cecil at Bridge Above Gauging Station	AB05BN0070	50.4306	-112.2278	8	TMN-Bow	
Waiparous Creek Above Confluence With Ghost River	AB05BG0100	51.2828	-114.8384	12	TMN-Bow	
West Arrowwood Creek d/s Of Syphon	AB05BM0575	50.764	-113.2363	8	TMN-Bow	
Milk River near western boundary, at Hwy 501	AB11AA0280	49.09	-112.3983	8	TMN-Milk	
Milk River u/s of town of Milk River	AB11AA0150	49.1481	-112.1673	8	TMN-Milk	
Miners Coulee site B	AB11AA0330	49.0347	-111.388	8	TMN-Milk	
North Milk River near international boundary, upstream of Hwy 501	AB11AA0270	49.022	-112.9729	8	TMN-Milk	
Red Creek near the mouth	AB11AA0290	49.0672	-111.9224	8	TMN-Milk	
Verdigris Coulee at Hwy 501	AB11AA0100	49.1553	-111.8369	8	TMN-Milk	
Beaver Creek West Of Peigan Indian Reserve	AB05AB0100	49.6394	-113.7953	8	TMN-OMR	
Belly River just u/s of the confluence with the Waterton River	AB05AD0070	49.4788	-113.3019	12	TMN-OMR	
Belly River Near Confluence With Oldman River	AB05AD0240	49.7279	-113.1776	12	TMN-OMR	
Expanse Coulee Adjacent To Hwy 36 Bridge Crossing Oldman River	AB05AG0140	49.9887	-112.0822	8	TMN-OMR	
Little Bow River at Carmangay	AB05AC0190	50.1318	-113.1374	12	TMN-OMR	
Little Bow River at Hwy 533 East Of Nanton	AB05AC0100	50.3533	-113.5438	8	TMN-OMR	
Little Bow River D/S Of Twin Valley Reservoir	AB05AC0175	50.2253	-113.3968	12	TMN-OMR	
Little Bow River Near The Mouth	AB05AC0320	49.9017	-112.5067	12	TMN-OMR	
Mosquito Creek at Hwy 529 East Of Parkland	AB05AC0160	50.2515	-113.5537	8	TMN-OMR	
Pincher Creek at Hwy 3 Near The Mouth	AB05AA0480	49.5463	-113.7947	12	TMN-OMR	
Pincher Creek at Pincher Creek	AB05AA0440	49.4835	-113.9686	12	TMN-OMR	
St. Mary River Near Confluence With Oldman River	AB05AE0070	49.5888	-112.8812	12	TMN-OMR	
Waterton River Adjacent To Sec Hwy 810 Bridge-Wr2	AB05AD0190	49.4334	-113.4848	12	TMN-OMR	
Willow Creek at Sec Hwy 811	AB05AB0260	49.7529	-113.4036	8	TMN-OMR	
Bearberry Creek Near Sundre	AB05CA0045	51.8021	-114.6632	8	TMN-RDR	

Classification: Protected A

Station Name and Description	Station Code	Station Latitude	Station Longitude	Samples per year	Project Name	Notes
Berry Creek Near the Mouth	AB05CH0120	50 8551	-111.5906	12	TMN-RDR	
Blindman River near mouth at HWY 2A bridge south of Blackfalds	AB05CC0460	52.354	-113.7947	12	TMN-RDR	
Fallentimber Creek Near Mouth	AB05CA0015	51.7367	-114.6545	8	TMN-RDR	
James River near James River Bridge	AB05CA0090	51 9268	-114.6855	8	TMN-RDR	
Kneehills Ck near the mouth at HWY 575	AB05CE0690	51.4974	-112.8433	12	TMN-RDR	
Kneehills Ck at RR 221	AB05CE0685	51.4695	-112.9783	12	TMN-RDR	Suspended April 2019; program change
Little Red Deer River west of Innisfail	AB05CB0270	52 0282	-114.1403	12	TMN-RDR	
Matzhiwin Creek at Hwy 36	AB05CJ0030	50 8209	-111.8288	8	TMN-RDR	
Medicine River (near mouth) at HWY 54	AB05CC0100	52 0864	-114.1232	12	TMN-RDR	
Michichi Creek at RR 191	AB05CE0695	51 5268	-112.5572	12	TMN-RDR	Suspended April 2019; program change
Michichi Creek near the mouth	AB05CE0700	51.4714	-112.7168	12	TMN-RDR	
Raven River at Raven	AB05CB0070	52 0893	-114.4775	12	TMN-RDR	
Rosebud River (mouth) at HWY 10	AB05CE0100	51.4162	-112.629	12	TMN-RDR	
Rosebud River (Redland) at HWY 840	AB05CE0090	51 2935	-113.0113	12	TMN-RDR	Suspended April 2019; program change
Threehills Ck near the mouth at HWY 837	AB05CE0680	51 5326	-112.8886	12	TMN-RDR	
Threehills Ck at HWY 836	AB05CE0660	51 5645	-113.0734	12	TMN-RDR	Suspended April 2019; program change
Waskasoo Creek near the Mouth	AB05CC0225	52 2685	-113.7999	12	TMN-RDR	
Ross Creek near mouth	AB05AH0020	50 0276	-110.6379	12	TMN-SSR	
Seven Persons Creek near the mouth	AB05AH0050	50 0296	-110.646	12	TMN-SSR	
South Saskatchewan River below Medicine Hat and above fertilizer plant	AB05AK0990	50.1048	-110.6911	12	TMN-SSR	
Berland River Near Mouth @ WSC Gauge	AB07AC0015	54 0121	-116.9666	8	TMN-UAR	
Lesser Slave River 9.5 km u/s Of Athabasca River Confluence	AB07BK0125	55 2067	-114.1225	12	TMN-UAR	
Mcleod River u/s Whitecourt @ WSC Gauge	AB07AG0345	54 0122	115.8397	8	TMN-UAR	
Miette River Near Jasper @ WSC Gauge	AB07AA0007	52.864	-118.1059	8	TMN-UAR	
Pembina River near Jarvie @ WSC Gauge	AB07BC0025	54.4493	-113.9924	12	TMN-UAR	
Sakwatamau River Near Whitecourt @ WSC Gauge	AB07AH0005	54 2012	-115.7796	8	TMN-UAR	
Sunwapta River at Athabasca Glacier @ WSC Gauge	AB07AA0005	52.217	-117.2342	8	TMN-UAR	



Livingstone-Porcupine Hills Draft Plan Consultation
Engagement and Consultation Summary

May 4, 2018

Livingstone-Porcupine Hills Draft Plan Consultation – Stage 3

Engagement and Consultation Summary

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Executive Summary

Due to recent, rapid growth and expanding human development in the Livingstone-Porcupine Hills region, the Government of Alberta committed to guiding human development on public lands through Land Footprint and Recreation Management planning as specified in the South Saskatchewan Regional Plan (SSRP). The Livingstone-Porcupine Hills Land Footprint Management Plan (LFMP) guides the combined past, present and foreseeable future footprint on public lands for ecological outcomes while providing continued opportunities for economic and recreational activities for all Albertans. The Livingstone-Porcupine Hills Recreation Management Plan (RMP) promotes sustainable outdoor recreation opportunities that support Albertans' quality of life, diversify local economies and reduce conflicts across the landscape.

The Government of Alberta has engaged with over 800 stakeholders from April 2015 to January 2018 during information sessions, workshops, and one-on-one meetings. First Nations were engaged during the same time period primarily through conversations at the SSRP First Nations Implementation Table and one-on-one meetings. Input and feedback gathered during the engagement process informed the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans. In April 2017 the Southwest Alberta Recreation Advisory Group (SARAG) was formed and met five times during June, July and August, to provide input and feedback on direction for the RMP.

Information was also gathered during First Nations and public consultation. First Nations consultation began on Thursday February 15, 2018 for a period of 60-days ending Monday April 16, 2018. One-on-one meetings were held on request with eleven First Nations from Treaty 6 and 7. Public consultation covered a 30-day period and ran from Tuesday March 27, 2018 to Thursday April 26, 2018. Feedback from the public was gathered through two online surveys. The surveys asked for both written and "Choose any one option" responses. There were a total of 1126 responses to the LFMP survey and 854 responses to the RMP survey. Overall support for the LFMP was 64.2% and overall support for the RMP was 71.1%.

Comments received from the survey and other correspondences were reviewed using the following themes: public consultation, survey bias, access to public lands enforcement and the need for additional officers on the landscape, both support and opposition to use of OHVs, random camping, comments regarding non-motorized activities, stewardship, education, the science that was used to develop the plans, issues with cattle and their effects on water, funding for implementation, the environment, wildlife, motorized access limits, restoration and reclamation, logging and the need to discontinue clear cutting, designated trails and trail maintenance, infrastructure, target shooting and objections to commercial tourism.

The planning team reviewed all the input and made some changes to the draft plans. These edits were then vetted by senior staff within Environment and Parks as well as by other interested government departments, prior to finalization of the plans.

Overview

The Livingstone-Porcupine Hills area is known internationally for its rich biodiversity, iconic views, and diversity of climate regimes and ecosystems. The South Saskatchewan Regional Plan (SSRP 2014, amended 2017) establishes the long-term vision for the region and identifies the need for subregional planning to improve the management of cumulative effects of human disturbance on public land. SSRP identified this area of public land in southwestern Alberta as a priority for Land Footprint and Recreation Management planning.

Southern Alberta's Eastern Slopes are highly valued landscapes for their natural resources, biodiversity and are the source of most of the region's drinking water. Forestry, energy and mining, tourism, recreation, and grazing are among the primary uses around rural communities in this part of the province. Growing population pressure and the diverse interests that converge on this landscape have led to a need to focus resource and environmental management for its long-term health and use.

This land has also provided shelter, food, medicine and enabled a way of life for Indigenous Peoples. It continues to be culturally significant to a number of First Nations communities for a variety of traditional uses, ceremonies and exercising Treaty Rights.

Managing this part of Alberta has implications far beyond its borders. The Livingstone and Porcupine Hills, along with the Castle, are subregions of the Eastern Slopes that form important components of the Crown of the Continent landscape. The Crown of the Continent includes the headwaters of the South Saskatchewan, Missouri and Columbia River systems and is critical for providing clean water for downstream use. Understanding how these subregions connect, and how to accommodate an appropriate mix of uses and activities are important dimensions of landscape management. In recognition of these multiple values, the Castle area became part of the province's network of conservation areas, and the Livingstone and Porcupine Hills continue to be multiple-use public lands.

Engagement Process - Stage 1 and 2

The Government of Alberta (GOA) began engaging with stakeholders and First Nations in 2015 to develop the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans (the draft Plans). The 3 stages of engagement were:

- Stage 1: Scope and Intent
- Stage 2: Plan Development
- Stage 3: Draft Plan Consultation

For more information about Stage 1 and Stage 2, refer to Appendix A.

Consultation Process - Stage 3

To gather feedback on the draft plans, Albertans were invited to participate in two online surveys: one specific for the draft Land Footprint Management Plan and one specific for the draft Recreation Management Plan. The surveys were open for 30 days and were placed on the Government of Alberta website at TalkAEP.alberta.ca. The surveys were used as the main point of

data gathering, however, some submissions were received through the AEP.Planning@gov.ab.ca email account and directly sent to AEP staff. There were no stakeholder meetings held during the consultation period. There were approximately 1399 responses to the online survey.

Separate Indigenous consultation period was held with the 13 Nations participating in the SSRP First Nations Implementation Table. An email and registered letter was sent out on Thursday February 15, 2018 announcing the consultation opportunities and the 60-day period for meeting. One-on-one meetings were scheduled upon request by First Nations communities and they also had the opportunity to participate in the online survey. The 60-day consultation period ended Monday April 16, 2018 with 7 meetings with 9 Nations being held. Due to unforeseen circumstances, 2 additional meetings will be held later in May 2018. For details on contacts and meeting results, please refer to Appendix D for the summary report.

Online Surveys

Albertans were invited to participate in an online surveys through the TalkAEP portal (talkaep.alberta.ca). The surveys were announced on Tuesday March 27, 2018 through a public announcement and various departmental social media channels. The media announcement can be found in Appendix E. The surveys remained open for 30 days and was scheduled to be closed on Thursday April 26, 2018 at 4:00 pm. Due to technical difficulties, the surveys remained open until approximately 7:00 pm. There were an additional 9 submissions for the Footprint plan and 9 for the Recreation plan during this extended time period. All comments have been included in the consultation summary.

Online Participation

Online consultation included two online surveys, each specific to one of the draft Plans. While the surveys were open:

- 14.1k people visited the page
- 1399 people completed the survey(s). This is the total number of participants and shows that a number of people completed both surveys.
 - 1126 Footprint participants
 - 854 Recreation participants
- Most participants, based on their registration information, were not local to rural Southern Alberta. With 21.6% of respondents to the Footprint Survey and 22.8% of respondents to the Recreation Survey local to rural Southern Alberta.

There was a deliberate decision to make survey participation optional; both in the questions and the ability to complete one or both surveys. This would provide the opportunity to those that had little or no knowledge of an area/topic to skip the question or survey. As identified above by the number of completed surveys (1399), many chose to complete each survey.

Survey participants of both the draft Livingstone-Porcupine Hills Land Footprint Management Plan and Recreation Management Plan were both primarily affiliated with the non-motorized community (Figure 1).

Footprint

Recreation

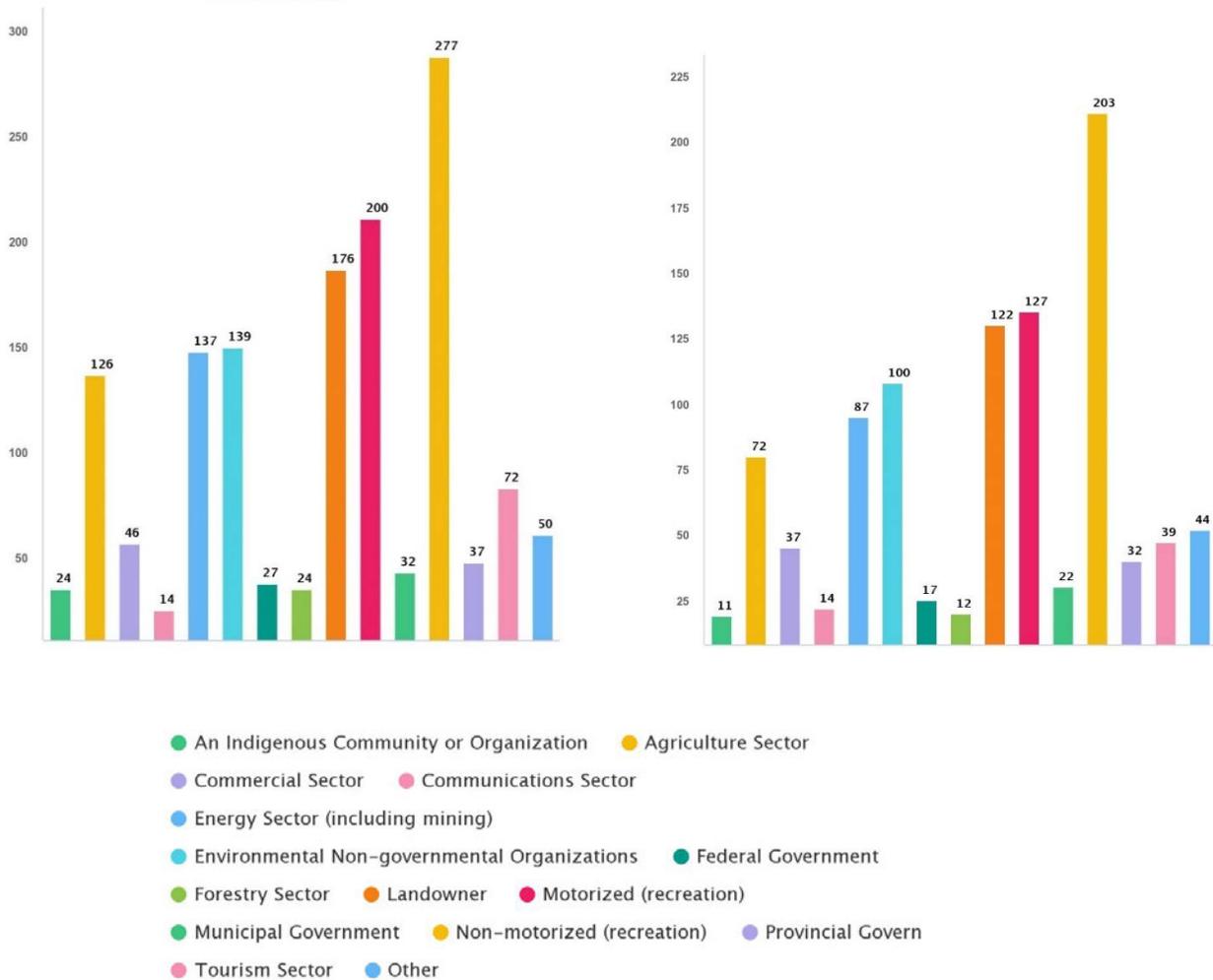


Figure 1. Affiliations of survey participants Footprint (left) from 1126 responses and Recreation (right) from 854 responses.

Those who indicated they were submitting the survey on behalf of organizations were primarily associated with organizations from environmental and energy sectors (Figure 2).

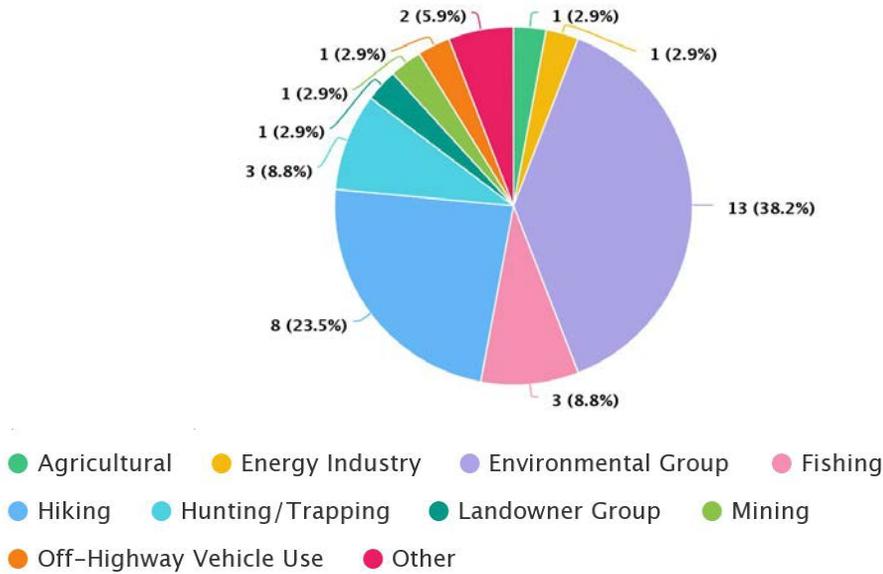


Figure 2. Survey participants participating on behalf of an organization – Footprint survey (34 responses).

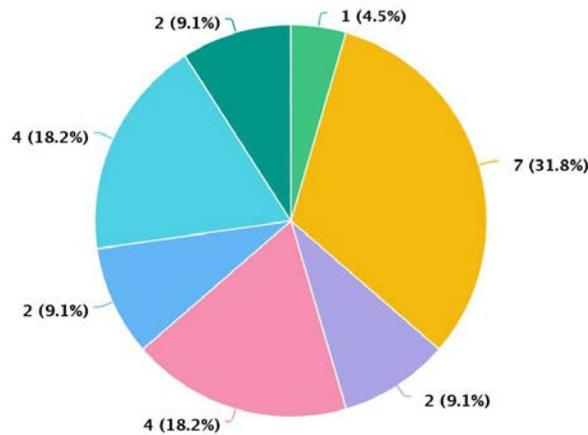


Figure 3. Survey participants participating on behalf of an organization – Recreation survey (22 responses).



Of those responding to the draft Footprint plan survey, the majority of survey participants had participated in a variety of activities within the Livingstone (87.3% - 1117 responses) and Porcupine Hills (82.2% - 1113 responses) areas within the last 12 months. Hunting/trapping were the highest identified activities for both areas (770 for Porcupine and 715 for the Livingstone). Participants were able to identify more than one activity. (Figure 5).

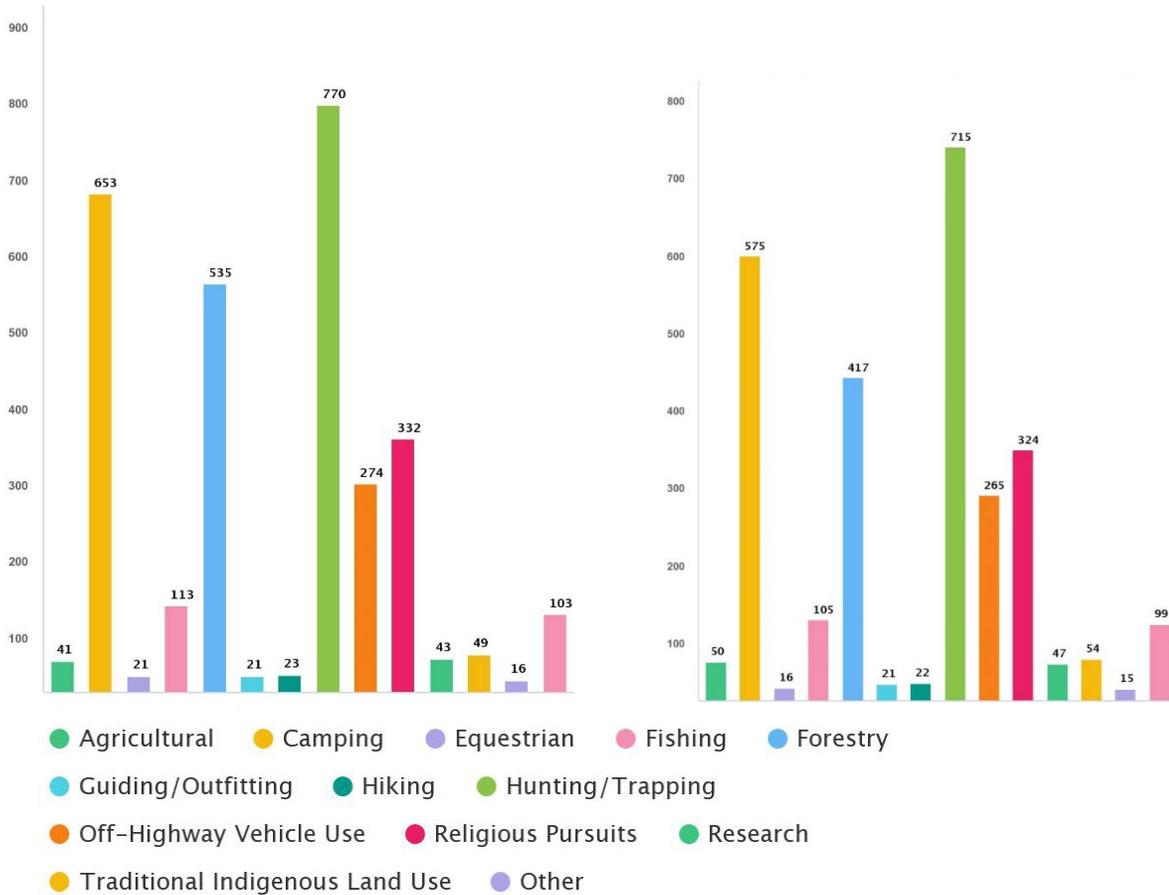


Figure 5. Primary activities conducted by survey participants Livingstone (right) and Porcupine Hills (left).

Those responding to the draft Recreation plan survey, the majority of survey participants had participated in a variety of activities within the Livingstone (76.9% - 845 responses) and Porcupine Hills (67.1% - 841 responses) areas within the last 12 months. Hiking was the highest identified activity for both areas (497 for Porcupine and 419 for the Livingstone). Participants were able to identify more than one activity. (Figure 6)

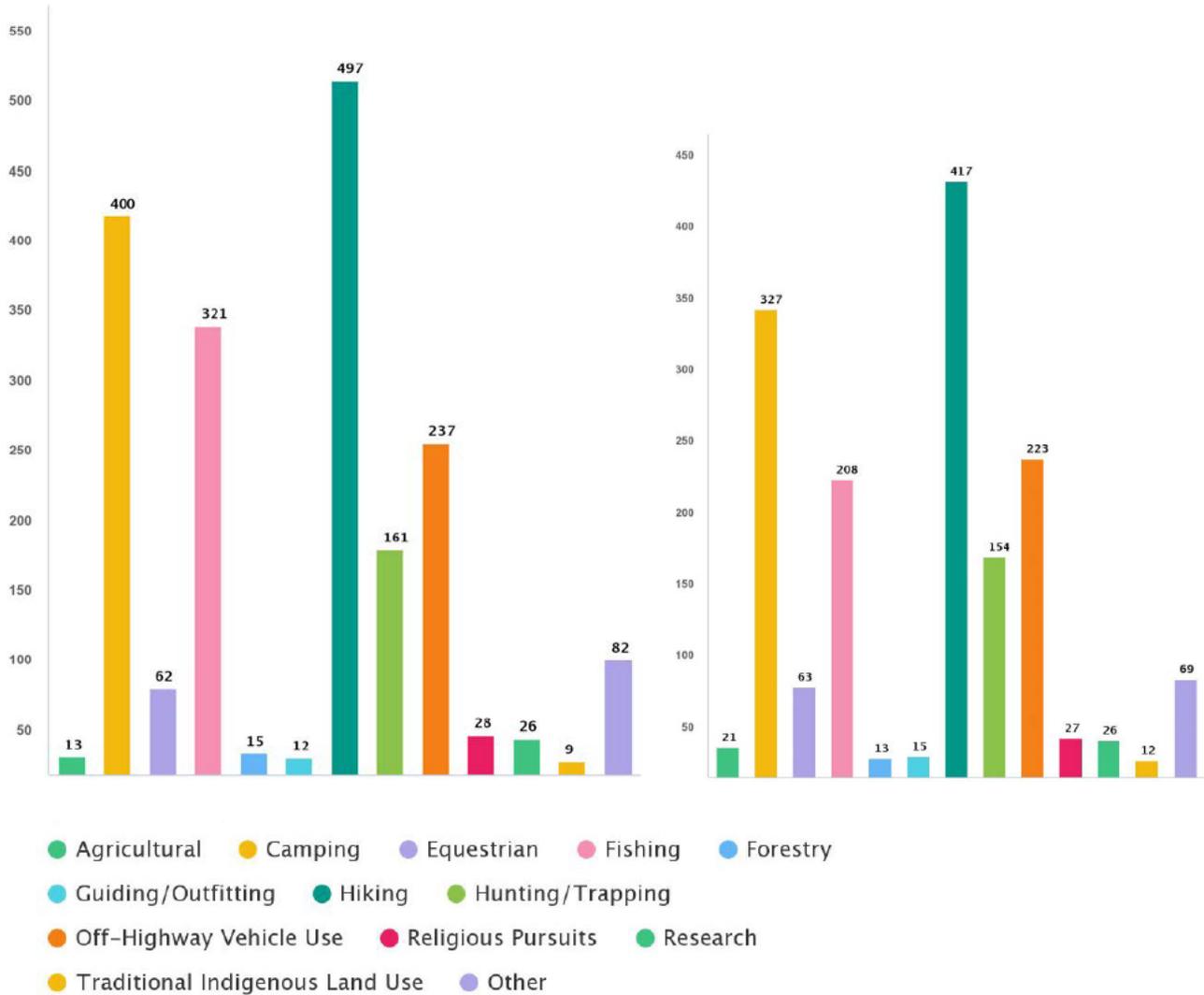


Figure 6. Primary activities conducted by survey participants Livingstone (right) and Porcupine Hills (left) areas.

Support for Draft Plans

Support for the draft plans was determined by the draft Livingstone-Porcupine Hills Land Footprint Management Plan Survey Question 29 and draft Livingstone-Porcupine Hills Recreation Management Plan Survey Question 1.

Overall, the majority of participants supported the draft plans with 64.2% identifying they strongly support/support the draft Land Footprint Management Plan and 71.1% strongly support/support the draft Recreation Management Plan. (Figure 7).

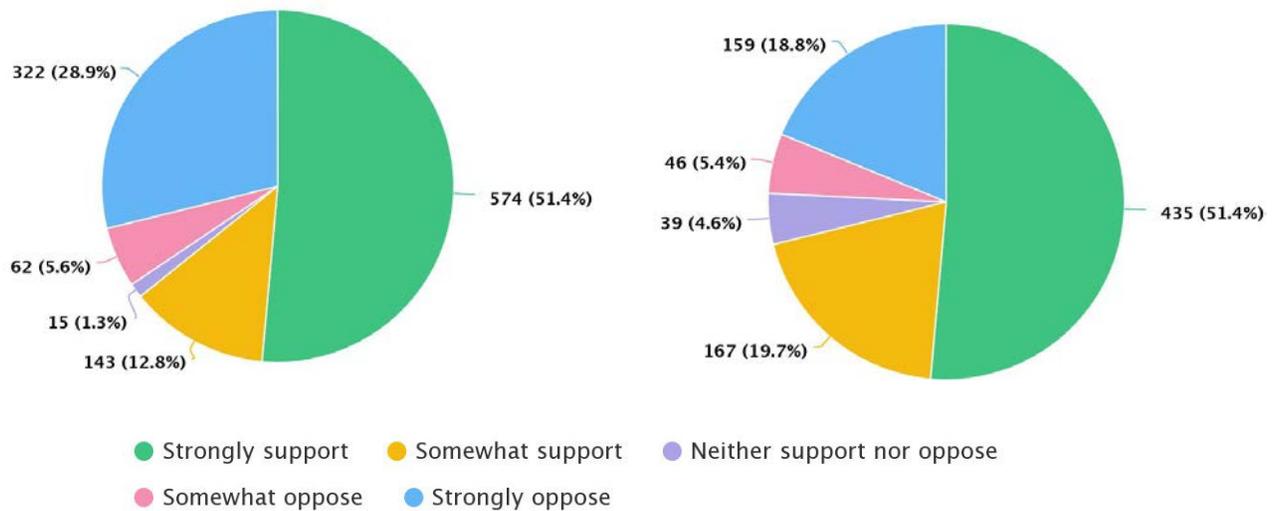


Figure 7. Support for draft Plans, draft Land Footprint Management Plan (left) and draft Recreation Management Plan (right).

Land Footprint Management Plan

The draft Land Footprint Management Plan survey consisted of 46 questions including demographics, opportunities for written comments and specific questions related to key elements of the draft plan. A few summary points are identified below:

- A split between users as many would like to see OHVs banned from the landscape while others would like to have it remain status quo.
- On missing outcomes:
 - Need to address the impacts of cattle grazing.
 - Continued public input in future planning and monitoring.
 - Trail user fees.
 - Enhancement of mountain bike and hiking trails.
- On the thresholds:
 - Several comments that the thresholds are not stringent enough, when you combine the open and restricted categories.
 - There should be the opportunity to revise the limits if research suggests they are too high.
- Opinions on operational objectives and actions:
 - Require selective logging rather than clear cuts.
 - Interior habitat analysis is important to avoid future fragmentation.
 - Would like to see limited conservation zones set aside for particular species.
 - No commercial tourism should be allowed.
 - Consideration of the views are needed.
 - No further logging or drilling activity should be allowed.

- Enforcement was raised several times and the need for adequate funding to support it.
- For restoration/reclamation criteria:
 - Consider a criteria related for volunteer value.
 - Eliminate the criteria for tourism development areas. Tourism activities will lead to further disturbance.

Footprint Survey Responses

The table below describes the results of the survey including qualitative data where additional comments or details were requested. For a complete listing of the survey questions, and graphics of each of the written survey result below, refer to Appendix C.

Table 1. Land Footprint Management Plan Survey Results.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
Q1	Plan Intent	65.6%	30.1%	4.3%	1125	
Q2	Outcome 1	64.8%	31.8%	3.4%	1123	
Q3	Outcome 2	65.5%	30.4%	4.0%	1122	
Q4	Outcome 3	66.1%	28.7%	5.2%	1121	
Q5/6	Missing Outcomes	36.7% Yes	63.3% No		1089	<p>Of the 372 comments coded, 1.3% were Positive Tone, 71.2% were Neutral/Unknown Tone and 27.5% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Motorized – 139 • Planning and Consultation Process – 127 • Environment – 69 • Status Quo – 64 • Enforcement, Regulations and Approvals – 59 <p>Comments included:</p> <ul style="list-style-type: none"> • Motorized – comments discuss an apparent split between those who would like to maintain motorized access and those who would like to see it limited or banned, responsible use, sustainable trail systems, and trail maintenance. • Planning and Consultation Process – comments discuss a need for more consultation and collaboration, biases in government and a need for balance. • Environment – comments discuss the sensitivity of the landscape and the importance of water, activities that were damaging to the land (cattle, OHVs, and logging), and biodiversity. • Status Quo – comments discuss concerns raised regarding limiting access to Public Lands and the want for continued access, leave the area alone, the government taking away access, and access for older people or those with disabilities. • Enforcement, Regulations and Approvals – comments discuss a need for enforcement,

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						increase the number of officers policing the area, fines for violators, education, responsible use, restrictions and limits.
Q7	Motorized Limits	62.5%	33.3%	4.1%	1112	
Q8	Restricted Motorized Access	63.8%	32.7%	3.6%	1114	
Q9	Setting Disturbance Limits	67.6%	29.2%	3.1%	1113	
Q10/12	Motorized Limits Legally Binding	65.7%	30.8%	3.4%	1112	Of the 539 comments coded, 13.7% were Positive Tone, 61.4% were Neutral/Unknown Tone and 24.9% were Negative Tone.
Q11/12	Motorized Limits Legally Binding Government Response	65.2%	29.4%	5.3	1108	<p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Motorized – 250 • Enforcement, Regulations and Approvals – 247 • Environment – 147 • Planning and Consultation Process – 125 • Implementation – 90 <p>Comments included:</p> <ul style="list-style-type: none"> • Motorized – comments discuss abuse by off-highway vehicles, limiting motorized access with comments both for and against. • Enforcement, Regulation and Approvals – comments discuss the need for enforcement and enforcing the current rules and regulations, comments on the limits, as well as industry needing to be accountable. • Environment – comments discuss watercourses, species at risk, and destruction of land. • Planning and Consultation Process - comments discuss the plan meeting/or not meeting the wants of individuals, the government lying through the process, biased science, biased survey, public input being wanted. • Implementation – comments discuss user pay, that thresholds and limits should not be targets, a need for government response when limits are reached, and reclamation.
Q13	Zoning	64.1%	30.6%	5.2%	1086	
Q14	Zone placement	53.5%	33.4%	13.1%	1085	
Q15	Direction for Industry and Operational Planning	44.3%	30.5%	25.3%	1091	

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
Q16	Operational Objectives					<p>Of the 443 comments coded, 4.7% were Positive Tone, 74.5% were Neutral/Unknown Tone and 20.8% were Negative Tone. The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Industry/Land-use – 187 • Environment – 148 • Planning and Consultation Process – 98 • Motorized – 77 • Grazing – 65 <p>Comments included:</p> <ul style="list-style-type: none"> • Industry – land use comments discuss a limiting or removal of logging and mining operations from public land, elimination of clear cutting, and setbacks from watercourses for logging operations. • Environment – comments discuss buffers needed to protect watercourses, a need to protect water quality from cattle causing erosion and defecating in streams, importance of interior habitat analysis, habitat fragmentation and species at risk. • Planning and Consultation Process – comments discuss a want for public consultation, biased viewpoints, clarity and missing aspects of the plan, and comments on objectives of the plan. • Motorized – comments discuss wanting to maintain access for OHVs, enforcement of OHVs, OHV education, not enough trails, limiting/banning OHVs, and grazing doing more damage than OHVs. • Grazing – comments discuss grazing doing more damage than OHVs, reducing/eliminating grazing from public land, and grazing affecting waterways.
Q17	Restoration and Reclamation Priorities	71.3%	23.5%	5.2%	1110	
Q18/19	Restoration and Reclamation Criteria Additions	23.3% Yes	76.7% No		1032	<p>Of the 212 comments coded, 1% were Positive Tone, 82.5% were Neutral/Unknown Tone and 16.5% were Negative Tone. The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 82 • Environment – 82 • Motorized – 38 • Infrastructure – 32 • Planning and Consultation Process – 31 <p>Comments included:</p> <ul style="list-style-type: none"> • Implementation – comments discuss restoration and reclamation especially for degraded sites, funding, and trail maintenance.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Environment – comments discuss reclamation, the land being capable of reclaiming itself, flooding, watersheds and affects from cattle, grasslands and erosion. Motorized – comments discuss reclaiming OHV trails, trails maintenance, want for continued use of OHVs, banning OHVs, and designated trails. Infrastructure – comments discuss designated trail system, bridges over streams, and trail maintenance. Planning and Consultation Process – comments discuss consultation, science of the plan, and biases.
Q20/21	Restoration and Reclamation Criteria Removal	24.6% Yes	75.4% No		1052	<p>Of the 206 comments coded, 0% were Positive Tone, 42.2% were Neutral/Unknown Tone and 57.8% were Negative Tone.</p> <p>Of the comments recorded, 605 separate codes were identified and classed into each of the criteria. The list below ranks which criteria should be removed based on percentage of coded comments.</p> <ul style="list-style-type: none"> Criteria 7 – 15.7% Criteria 5 – 12.1% Criteria 3 – 11.9% Criteria 4 – 11.4% Criteria 2 and 1 – 11.2% Criteria 6 – 11.1% <p>There was an Other category that captured comments relating to limiting access, get rid of the plan, government concerns and other unrelated comments.</p> <ul style="list-style-type: none"> Other – 15.4% <p>Comments aside from the criteria included:</p> <ul style="list-style-type: none"> Removing all criteria or starting over, Y2Y influences and the NDP government, removing tourism development from the criteria, and access to public lands for recreational purposes.
Q22/23	Restoration and Reclamation Criteria Importance	31.1% Yes	68.9% No		999	<p>Of the 280 comments coded, 3.9% were Positive Tone, 89.3% were Neutral/Unknown Tone and 6.8% were Negative Tone.</p> <p>Of the comments recorded, 481 separate codes were identified and classed into each of the criteria. The list below ranks which criteria is considered greater importance.</p> <ul style="list-style-type: none"> Criteria 2 – 29.3% Criteria 3 – 23.5% Criteria 4 – 11.9% Criteria 1 and 7 – 5% Criteria 6 – 4.6% Criteria 5 – 4.2% <p>There was an Other category that captured comments relating to access, get rid of the plan,</p>

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<p>government concerns, funding and other unrelated comments.</p> <ul style="list-style-type: none"> Other – 16.6% <p>Comments aside from the criteria included:</p> <ul style="list-style-type: none"> Public consultation, leave the area alone, reclamation of recreational sites including trails and camping, some agreement with the order of criteria presented, banning OHVs, maintaining access but having enforcement, cattle and logging.
Q24	Restoration and Reclamation Criteria Top 3					<p>Of the 802 comments coded, 1% were Positive Tone, 90.3% were Neutral/Unknown Tone and 8.7% were Negative Tone.</p> <p>Of the comments recorded, 2095 separate codes were identified and classed into each of the criteria. The list below ranks which criteria are considered most important.</p> <ul style="list-style-type: none"> Criteria 2 – 27% Criteria 3 – 23.9% Criteria 4 – 15.1% Criteria 1 – 10.5% Criteria 6 – 7.3% Criteria 5 – 5.6% Criteria 7 – 4.3% <p>There was an Other category that captured comments relating to funding, more consultation, better roads, get rid of the plan, government concerns and other unrelated comments.</p> <ul style="list-style-type: none"> Other – 6.3% <p>Comments aside from the criteria included:</p> <ul style="list-style-type: none"> Biases in survey, all criteria are important, cattle grazing, leave the area as it is and logging.
Q25/26	Restoration and Reclamation Other Tools	28.1% Yes	71.9% No		995	<p>Of the 253 comments coded, 0% were Positive Tone, 79.8% were Neutral/Unknown Tone and 20.2% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Planning and Consultation Process – 110 Enforcement, Regulations and Approvals – 75 Implementation – 50 Motorized – 49 Environment – 32 <p>Comments included:</p> <ul style="list-style-type: none"> Planning and Consultation Process – comments discuss public consultation, the establishment of an advisory group, and additional studies. Enforcement, Regulations and Approvals – comments discuss more enforcement including more officers patrolling,

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<p>education, monitoring, limits and penalties for violators.</p> <ul style="list-style-type: none"> • Implementation – comments discuss funding, reclamation, performance management, consultation throughout implementation, and monitoring. • Motorized – comments discuss maintaining OHV access, banning OHVs, consulting OHV groups, enforcement, limits, and licensing. • Environment – comments discuss restoration and reclamation, water quality, and damage to the land.
Q27/28	Performance Management Approach	60.3%	27.2%	12.4%	1093	<p>Of the 317 comments coded, 4.4% were Positive Tone, 71.3% were Neutral/Unknown Tone and 24.3% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 152 • Planning and Consultation Process – 117 • Environment – 72 • Enforcement, Regulations and Approvals – 59 • GOA/Political – 41 <p>Comments included:</p> <ul style="list-style-type: none"> • Implementation – comments discuss monitoring and evaluation, performance management, reporting, and funding. • Planning and Consultation Process – comments discuss public consultation, plan will only succeed if there is follow through, the plan doesn't meet my wishes, bias in survey and plan, performance management, and monitoring. • Environment – comments discuss damage to the land, water quality, erosion, wildlife movement, reclamation/restoration, biodiversity, and monitoring. • Enforcement, Regulations and Approvals – comments discuss increased enforcement on public land including having additional CO's, compliance, enforcement of the plan, and limits. • GOA/Political - comments discuss Shannon Phillips, foreign interest groups (Y2Y and other ENGOs), the next election, own or extremist agenda, and tax dollars.
Q29	Plan Support	64.2%	34.5%	1.3%	1116	
Q30	Any Additional Comments					<p>Of the 647 comments coded, 32.9% were Positive in Tone, 31.4% were Neutral/Unknown Tone and 35.7% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Planning and Consultation Process – 406 • Environment – 296 • Motorized – 226

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Enforcement, Regulations and Approvals – 210 Implementation – 131 <p>Comments included:</p> <ul style="list-style-type: none"> Planning and Consultation Process - comments discuss public consultation, not listening, biases, comments of support/opposition to plan, plan has gone too far, competing interests, the survey and the science. Environment - comments discuss damage on the landscape, environmental health, watersheds, spatial human footprint, biodiversity, access to nature, and grasslands. Motorized - comments discuss damage by OHVs, continued access for OHVs, banning OHVs, designated trails, enforcement of OHVs, enjoyment of OHVs, and noise. Enforcement, Regulations and Approvals - comments discuss a need for more enforcement, limits, regulations and restrictions, enforce existing rules, and stricter penalties. Implementation - comments discuss funding, banning different uses (industry, OHVs, camping), implementation is needed, access, build bridges, monitoring and reclamation.

Recreation Management Plan

The draft Recreation Management Plan survey consisted of 53 questions including demographics, opportunities for written comments and specific questions related to key elements of the draft plan. A few summary points are identified below:

- Agreement with the management direction set forward in the plan. All quantitative questions show a support/highly support of greater than 50%, with most near or above 60% agreement.
 - Motorized and non-motorized recreationists:
 - Most OHV recreationists continue to oppose the portion of the plan on OHV motorized trails due to the perception of a reduction of trails and/or removal of their preferred OHV format from the landscape (single track, 4x4s/Jeeps). Focus has been on the perception of being shut out of the process and the science being applied inaccurately.
 - Concern has been also been raised by the motorized group in regards to the pressures that trails might face due to concentration of activity and would prefer to see more dispersal of motorized activity.
 - Suggestions have been made to increase number of trails and to ensure trail connectivity to allow for longer rides than current proposal.

- Most OHV recreationists continue to support increased enforcement, well designed and engineered trails, and construction of bridges.
- Both motorized and non-motorized recreationalists continue to express concern over the perceived damage that logging and grazing do to the landscape.
- Non-motorized recreationists continue to be in support of improved conservation practices and the reduction of OHVs.
 - Concern has been expressed by non-motorized recreationists over noise issues, potential conflict, and the need to protect sensitive areas from even non-motorized activities.
 - Suggestions have been made to have separate trails and to see a limit on mountain bike and equestrian activities in sensitive areas.
- Random campers continue to express concern over the potential move from random camping to rustic camping zones. This change is seen as a loss of camping opportunity. Stated concerns with the change continue to be the concern of becoming too 'rule-bound', concerns around possible introduction of camping fees and over-crowding.
- Hunters and anglers have expressed concern over the potential loss of access to areas to hunt and fish due to perceived closure of streams and hunting areas. Hunters are split on the reduction of trails – some want to see some motorized trails continue or be added to areas to allow for game retrieval, some prefer to hunt in areas with no trails.
- Most hunters and anglers support the implementation of a designated trail system for motorized activity and the reclamation of disturbed landscape. Conservation practices are strongly supported by this group.
- Conservationists and landowners mainly see these plans as a positive first step. Some within this group would like to see an outright ban on motorized recreation. This group sees the need for enforcement and education as key to ensuring the trail system is used as intended. Some have also said that non-motorized carries its own environmental impact and see a need for increased monitoring.
- Key needs for ensuring plan success continue to be funding for resources, increase in enforcement and education.
- Partnerships are seen as necessary to ensuring the plan's success. Partnerships have evoked strong positive response, with respondents seeing the scope of partnerships to include everything from education and outreach, to citizen science, to trail and infrastructure maintenance, to environmental stewardship activities.

Recreation Survey Responses

The table below describes the results of the survey according to each question including qualitative data where additional comments or details were requested. For a complete listing of the survey questions, and graphics of each of the written survey result below, refer to Appendix C.

Table 2. Recreation Management Plan Survey Results.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
Q1	Vision	71.1%	24.2%	4.6%	846	
Q2/3	Outcomes	67.8%	26.3%	5.9%	849	<p>Of the 383 comments coded, 8.10% were Positive Tone, 45.4% were Neutral/Unknown Tone and 46.5% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Motorized – 145 • Planning and Consultation Process – 137 • GOA/Political – 66 • Status Quo – 57 • Environment – 52 <p>Comments included:</p> <ul style="list-style-type: none"> • Motorized – comments have reflected a split between those that feel motorized has too much focus in the plan and is too prevalent on the landscape versus those that feel motorized requires more opportunity and space on the landscape. • Planning and Consultation Process – responses have focused on the perception that consultation has not been done with those that recreate with OHVs or that random camp in the region. • GOA/Political – comments focus on a perceived interference in managing public lands and in the planning process. There is a perception that the plan is too similar to Castle and other parks and the potential for the use of OHVs to be entirely banned. • Status Quo – comments are about access and the perception of the reduction of access for OHVs and for random camping and a desire to maintain status quo. • Environment – comments reflect a desire by respondents for strong environmental protection, reclamation of disturbed landscape, and protection of species at risk habitat.
Q4/5	Recreation Biodiversity and Ecosystem Function Management Direction	69.5%	27.5%	3.0%	844	<p>Of the 388 comments coded, 5.4% were Positive Tone, 58.5% were Neutral/Unknown Tone and 36.1% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Motorized – 179 • Planning and Consultation Process – 95 • Infrastructure – 84 • GOA/Political – 75 • Implementation – 74 <p>Comments included:</p> <ul style="list-style-type: none"> • Motorized – comments are split between those in support of OHV and motorized random camping

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<p>who focused on the science behind linear disturbance and the percent of trails closed versus those that would prefer to see further reduction of motorized access.</p> <ul style="list-style-type: none"> • Planning and Consultation Process – comments focus on the stakeholder diversity and fairness of the process. Concerns were raised about the role of grazing allotment holder influence and industry influence as well as the impact of cattle. • Infrastructure – comments focused on providing information on trail design and development, the necessity for bridges, and the need for trail connectivity. • GOA/Political – comments focus on a perceived interference in managing public lands and in the planning process. There is a perception that the plan is too similar to Castle and other parks and the potential for the use of OHVs to be entirely banned • Implementation – comments focus on the need for clear direction for staff as well as public, the cost to implement the plan (concern over the cost as well as the concern that funding won't be available), and the need for setting sustainable limits for all activity.
Q6/7	Motorized Trails Management Direction	67.2%	27.1%	5.7%	848	<p>Of the 484 comments coded, 3.9% were Positive Tone, 36.4% were Neutral/Unknown Tone and 59.7% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Motorized – 365 • Planning and Consultation Process – 112 • Infrastructure – 107 • GOA/Political – 86 • Environment – 82 <p>Comments included:</p> <ul style="list-style-type: none"> • Motorized – comments are split between those in support of OHV and motorized random camping who focused on the science behind linear disturbance, the percent of trails closed, and the lack of connectivity between trails versus those that see designated trails as a good management tool to reduce environmental and social impact and/or those that would prefer to see further reduction of motorized access. • Planning and Consultation Process – comments focus on the stakeholder diversity and fairness of the process. Concerns were raised about the role of grazing allotment holder influence and industry influence as well as the impact of cattle. Some comments focused on the fear that existing trails used by motorized will now be only for non-motorized which they feel both

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<p>discriminates against OHV and does not reduce the linear footprint.</p> <ul style="list-style-type: none"> Infrastructure – comments focused on providing information on trail design and development, the necessity for bridges, and the need for trail connectivity. GOA/Political – comments focus on a perceived interference in managing public lands and in the planning process. There is a perception that the plan is too similar to Castle and other parks and the potential for the use of OHVs to be entirely banned Environment - comments focus on the placement of trails and infrastructure away from sensitive and riparian areas, the need to determine a response to all impacts (logging and grazing in particular) not just motorized use.
Q8	Non-motorized Trails Management Direction – designation and maintenance	69.2%	25.4%	5.4%	850	<p>Of the 366 comments coded, 7.1%% were Positive Tone, 62.6%% were Neutral/Unknown Tone and 30.3% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Non-motorized – 215 Motorized – 138 Infrastructure – 63 Status Quo – 62 Planning and Consultation Process – 55
Q9/10	Non-motorized Trails Management Direction – monitoring	75.6%	18.3%	6.2%	844	<p>Comments included:</p> <ul style="list-style-type: none"> Non-motorized – comments focus on the need for mountain bike trails, the need to separate activities such as equestrian from other non-motorized activities, and the need for balance between designated trails and the ability to roam in the backcountry. Motorized – comments focused on the science behind linear disturbance, trail connectivity and the percent of trails closed. Infrastructure – comments focused on non-motorized trail development for mountain biking, concern over the increased draw of people to the area due to formalized trails, the need to enforce appropriate activity on trails, and the need for wayfinding/mapping of non-motorized trails. Status Quo – comments focused on the desire to keep the area open for motorized use as there is a perception that non-motorized can happen in all other parks and protected areas. Planning and Consultation Process – comments focus on the stakeholder diversity and fairness of the process. Comments also focused on the perception of discrimination against the OHV and random camping community.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
Q11/ 12	Camping Management Direction	73.7%	20.4%	5.8%	849	<p>Of the 391 comments coded, 2.3% were Positive Tone, 68.3% were Neutral/Unknown Tone and 29.4% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Camping – 332 • Enforcement, Regulations and Approvals – 80 • Environment – 69 • Implementation – 65 • Status Quo – 63 <p>Comments included:</p> <ul style="list-style-type: none"> • Camping – comments are split between those focusing on the desire to not remove random camping and those that are focused on the damage that unmanaged camping has on the landscape. Concern about what the change may mean for future fees, if registration will be required, and if there would be enough spaces. • Enforcement, Regulations and Approvals – comments focused on the need for strong and regular enforcement to keep campers in designated areas and to help prevent unwanted and/or illegal behaviours. Some comments focused on the need for a permitting/registration system and the need for fees. • Environment – comments focused on the need to ensure placement of designated sites were away from sensitive areas and riparian areas. Other comments focused on the environmental value to removing random camping. • Implementation – comments focused on the need for evaluation on the placement of infrastructure/locations as well as the need to consult with other land users that might be impacted such as grazers. Other comments focused on the need for ongoing monitoring and performance management. • Status Quo – comments focused on the desire to keep random camping as is due to issues such as the state of condition of provincial campgrounds, the cost, the desire for 'being alone'.
Q13/ 14	Public Land Recreation Areas Establishment	67.5%	22.7%	9.7%	831	<p>Of the 282 comments coded, 1.4% were Positive Tone, 68.1% were Neutral/Unknown Tone and 30.5% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Camping – 155 • Implementation – 72 • Planning and Consultation Process – 60 • Enforcement, Regulations and Approvals – 55 • Status Quo – 51 • Infrastructure – 51 <p>Comments included:</p>

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> • Camping – comments are split between those focusing on the desire to not remove random camping and those that are focused on the damage that unmanaged camping has on the landscape. Concern about what the change may mean for future fees, if registration will be required, and if there would be enough spaces. • Implementation – comments focused on the need for evaluation on the placement of infrastructure/locations as well as the need to consult with other land users that might be impacted such as grazers. Other comments focused on the need for ongoing monitoring and performance management. • Planning and Consultation Process – comments focused on the concern that this was not the type of experiences the current users were wanting and concern that current users were not involved in the process. • Enforcement, Regulations and Approvals – comments focused on the need for strong and regular enforcement to keep campers in designated areas and to help prevent unwanted and/or illegal behaviours. Some comments focused on the need for a permitting/registration system and the need for fees. • Status Quo – comments focused on the desire to keep random camping as is due to issues such as the state of condition of provincial campgrounds, the cost, the desire for 'being alone'. • Infrastructure – comments focused on the desire to keep the area 'natural', with minimal infrastructure and amenities. Some respondents see a need to ensure there is a direct link to trails and/or use the PLRA as staging areas.
Q15/16	Day Use Management Direction	61.8%	25.3%	12.9%	829	<p>Of the 258 comments coded, 1.6% were Positive Tone, 60.5% were Neutral/Unknown Tone and 38% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Infrastructure – 161 • Status Quo – 67 • Environment – 57 • Social Management – 44 • Other – 44 <p>Comments included:</p> <ul style="list-style-type: none"> • Infrastructure – comments focused on the desire to keep the area 'natural', with minimal infrastructure and amenities. Comments also focused on the need to have motorized and non-motorized day use areas should day use areas be used as staging areas. Some respondents commented that these could be in contradiction to the desire to reduce linear disturbance and

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<p>that the sites could draw increasing numbers of people to the area.</p> <ul style="list-style-type: none"> • Status Quo – comments focused on the number of opportunities available elsewhere in the region for this type of activity and expressed support in keeping the area ‘natural’ and without infrastructure or amenities. • Environment – comments focused on the need to ensure placement of designated sites were away from sensitive areas and riparian areas. • Social Management - comments focused on the need to have motorized and non-motorized day use areas should day use areas be used as staging areas as a way to reduce conflict. • Other – comments focused on questioning the need to draw ‘urban users’ into the backcountry, concern that the problems we are trying to prevent will develop due to creating this type of site, and the perception that this type of site is what is found in a park rather than on public land.
Q17/18	Nature-based Tourism Management Intent	61.8%	28.0%	10.2%	845	<p>Of the 327 comments coded, 7.3% were Positive Tone, 56.9% were Neutral/Unknown Tone and 35.8% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 227 • Social Management – 204 • Other – 67 • Status Quo – 59 • Infrastructure – 46 <p>Comments included:</p> <ul style="list-style-type: none"> • Implementation – comments focused on the need for clear rules and regulations around the permitting of nature-based tourism. Comments also mention the need for ongoing monitoring, capacity of the region for such products, and managing the impact on the landscape. • Social Management – comments focused on the need to educate tourists to the environmental and social history of the area and the need to ensure opportunities fit the character of the region. Comments also focused on the economic impact of increased tourists to the region. • Other – comments focused on worry over the commercialization of the area and the perception of a ‘creeping loss’ of public lands for Albertans. • Status Quo – comments focused on the desire to keep the area ‘natural’, to not ‘pave over everything’ and to maintain minimal amenities. Comments also focused on the on pointing out the availability of parks in the area for this type of activity. • Infrastructure – comments focused on the desire for minimal amenities and for the type of

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						infrastructure that supports low impact activities. Comments also focused on the desire to ensure that privatization of public infrastructure (and the closure of access to that infrastructure) doesn't happen.
Q19	Other Recreation Activities Management					<p>Of the 316 comments coded, 3.2% were Positive Tone, 61.1% were Neutral/Unknown Tone and 35.6% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 107 • Wildlife – 80 • Planning and Consultation Process – 79 • Fish – 60 • Other – 58 <p>Comments included:</p> <ul style="list-style-type: none"> • Implementation – comments focused on the need for monitoring, and to ensure impact to the environment was minimal. • Wildlife – comments were split between those that were wanting to retain access to the region for hunting and those that were wanting to ensure habitat for wildlife and species at risk was reclaimed and preserved. • Planning and Consultation Process – comments focused on the need to ensure clear rules and guidelines for the management of other activities and need to develop an ongoing engagement process with local recreation groups. • Fish – comments were split between those that were wanting to retain access to the region for angling and those that were wanting to ensure habitat for wildlife and species at risk was reclaimed and preserved. • Other – comments were focused on the perception that the plan is identical to the Castle plan and/or other provincial and national parks.
Q20	Target Shooting Recommendations	64.6%	24.4%	10.9%	834	
Q21/22	Special Events Direction	60.3%	27.0%	12.7%	836	<p>Of the 310 comments coded, 0.6% were Positive Tone, 67.4% were Neutral/Unknown Tone and 31.9% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 136 • Planning and Consultation Process – 76 • Motorized – 74 • Environment – 65

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Wildlife – 61 <p>Comments included:</p> <ul style="list-style-type: none"> Implementation – comments focused on the need for monitoring and evaluation of special events, and to ensure impact to the environment was minimal. Planning and Consultation Process – comments focused on the need for clarification around how a special event is defined and how the approval process works for special events. Motorized – comments were split between those that focused on the perception that the OHV groups were not included in the consultation and are losing access to the ability to hold special events and those that would like to see motorized either banned or heavily monitored and enforced. Environment – comments focused on the need to avoid sensitive and riparian areas and to monitor events for impact to the landscape. Wildlife – comments focused on the need to assess and monitor special events for impact to wildlife.
Q23	Partnerships Contribution					<p>Of the 509 comments coded, 28.3% were Positive Tone, 47.7% were Neutral/Unknown Tone and 24% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Social Management – 366 Implementation – 288 GOA/Political – 105 Planning and Consultation Process – 65 Motorized – 51 <p>Comments included:</p> <ul style="list-style-type: none"> Social Management – comments focused on the impact, role, and function that user groups can have with partnerships. Comments also focused on the types of applications and/or activities groups and individuals could participate in. Implementation – comments focused on the types of activities that could be done in partnership as well as the need for the government to retain full control and ownership over the work/product. Government of Alberta/Political – comments focused on the perception of destroyed relationships with certain groups and the loss of opportunity, infrastructure and maintenance that is estimated due to that loss. Other comments focused on the need to partner with those that use the area and/or are not linked with either OHV groups or ENGO groups.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> • Planning and Consultation Process – comments focused on the need for an ongoing multi-stakeholder advisory group. • Motorized – comments focused on the work (trail building and maintenance as well as education) that has been done in the past. Comments also focused on the reduced trust of this group has due to the perceived reduction in trails for motorized use.
Q24	Cultural Awareness					<p>Of the 390 comments coded, 35.6% were Positive Tone, 32.3% were Neutral/Unknown Tone and 32.1% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • First Nations – 349 • Social Management – 116 • Government of Alberta/Political – 42 • Planning and Consultation Process – 27 • Motorized – 25 <p>Comments were split between those that have an understanding of Treaty Rights and traditional use and those that do not.</p>
Q25	Stakeholder and Partner Monitoring					<p>Of the 439 comments coded, 9.3% were Positive Tone, 74.1% were Neutral/Unknown Tone and 16.6% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Implementation – 276 • Social Management – 229 • Government of Alberta/Political – 63 • Motorized – 57 • Planning and Consultation Process – 53 <p>Comments included:</p> <ul style="list-style-type: none"> • Implementation – comments focused on the types of monitoring activities and potential performance indicators that could be used. Comments also focused on the need for government to retain control over the process and the need for unbiased work. • Social Management – comments focused on the types of monitoring activities that could be done by the public as well as applications that could be developed/used for citizen science. • Government of Alberta/Political – comments focused on the perception of destroyed relationships with certain groups and the loss of opportunity, infrastructure and maintenance that is estimated due to that loss. Other comments focused on the need to partner with those that use the area and/or are not linked with either OHV groups or ENGO groups.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Motorized – comments focused on the work (trail building and maintenance as well as education) that has been done in the past. Comments also focused on the reduced trust of this group has due to the perceived reduction in trails for motorized use. Planning and Consultation Process – comments focused on the need for an ongoing multi-stakeholder advisory group. Comments also focused on the perception that some stakeholder groups were not heard in the process.
Q26/27	Crowsnest Recreation Management Unit (RMU) Management Direction	63.2%	28.4%	8.4%	841	<p>Of the 306 comments coded, 3.3% were Positive Tone, 57.5% were Neutral/Unknown Tone and 39.2% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 160 Infrastructure – 73 Environment – 73 Wildlife – 64 Implementation – 58 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized – comments were split between those that feel motorized is not restricted enough and those that motorized is too restricted. Infrastructure – comments were focused on the extent (or lack thereof) of trails, connectivity of trails and the desire to have some designated infrastructure for other activities, such as mountain biking, in the area. Some comments focused on a desire to see all trails east of Atlas removed. Environment – comments focused on the need to avoid sensitive and riparian areas and to monitor for impact to the landscape. Wildlife – comments focused on the need to assess and monitor for impact to wildlife and to ensure wildlife corridor connectivity remains and ungulate migration and calving patterns are not disturbed. Implementation – comments focused on the desire to keep the area 'natural', remove cattle, and to provide opportunities for tourism but not to 'commercialize' the area.
Q28/29	Livingstone Range RMU Management Direction	65.0%	31.3%	3.7%	836	<p>Of the 299 comments coded, 16.1% were Positive Tone, 46.8% were Neutral/Unknown Tone and 37.1% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 170 Planning and Consultation Process – 77 Status Quo – 69 Non-motorized – 49

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Government of Alberta/Political – 39 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized – comments were split between those that feel motorized is not restricted enough and those that motorized is too restricted. Planning and Consultation Process - comments were focused on the perception that some stakeholder groups were not heard in the process. Status Quo – comments are focused on those that oppose the management direction for motorized use and the perception that it shuts them out. Comments also focus on the perception that the closure of the RMU to motorized use will put pressure on other areas. Non-motorized – comments are split between those that are happy to have an RMU with the main focus of non-motorized recreation and those that are against increasing the amount of non-motorized use due to the perception of available opportunities for non-motorized in provincial and national parks in the region. Government of Alberta/Political – comments are focused on the perception of OHV use being shut out and the perception that OHV will be banned. Comments are also focused on the perception that a promise was made to accommodate the displaced OHV community from Castle into the planning area and that it has been broken.
Q30/31	Dutch-Oldman RMU Management Direction	62.5%	31.3%	6.2%	825	<p>Of the 330 comments coded, 4.5% were Positive Tone, 62.4% were Neutral/Unknown Tone and 33.1% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 204 Fish – 90 Environment – 87 Infrastructure – 51 Camping – 47 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized – comments were split between those that feel motorized is not restricted enough and those that motorized is too restricted. Fish – comments were split between those that were wanting to retain access to the region for angling and those that were wanting to ensure habitat for wildlife and species at risk was reclaimed and preserved. Other comments focused on the use of infrastructure (e.g. bridges) to protect fish. Environment – comments focused on the need to avoid sensitive and riparian areas and to monitor for impact to the landscape.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Infrastructure – comments focused on the preference to use trail design, placement and bridges to mitigate and reduce damage rather than see outright trail reductions and/or closure. Camping – comments were split between those focused on the desire to continue random camping in this RMU and those that would prefer to see all motorized camping removed from this area.
Q32/ 33	The Willow Creek RMU Management Direction	64.6%	25.9%	9.5%	829	<p>Of the 263 comments coded, 1.5% were Positive Tone, 57.4% were Neutral/Unknown Tone and 41.1% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 154 Planning and Consultation Process – 56 Infrastructure – 37 Status Quo – 36 Non-motorized – 34 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized – comments were split between those that feel motorized is not restricted enough and those that motorised is too restricted. Planning and Consultation Process – comments were focused on the perception that the OHV community had not been heard and/or not included, and has been discriminated against. Infrastructure – comments were focused on the perception that all other groups are getting updated trails and OHV trails were being eliminated or not maintained. Comments also focused on the capacity to deliver on the plan and the need to design to reduce conflict. Comments on the need for limited amenities were also made. Status Quo - comments focused on the availability of parks in the area for non-motorized and tourist types of activities. Comments also focused on the desire to keep OHV access to public lands. Non-motorized – comments focused on the perception the area is suitable to mixed use activity, the need to monitor equine use, and the desire to separate activity to avoid conflict.
Q34/ 35	Porcupine Hills RMU Management Direction	62.6%	30.4%	7.0%	830	<p>Of the 293 comments coded, 4.1% were Positive Tone, 47.1% were Neutral/Unknown Tone and 48.8% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 206 Planning and Consultation Process – 73 Non-motorized – 53

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> Environment – 44 Fish – 39 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized – comments were split between those that feel motorized is not restricted enough and those that motorized is too restricted. Those that wanted more motorized access feel the trails are too short for even family events and are concerned about the lack of linkages to other trails. Those that want motorized further restricted or banned feel that the proposed system will still be too noisy and intrusive. Planning and Consultation Process – comments in support of increased OHV use see the proposed shorter rides as ‘proof’ that the OHV community was not involved in the planning process. Non-motorized – comments focused on the non-motorized aspect of the south Porcupine Hills as being desirable and a positive management direction. Environment – comments focused on the need to avoid sensitive and riparian areas and to monitor for impact to the landscape. Fish – comments focused on the need to keep linear disturbance below the thresholds and to place infrastructure away from riparian areas.
Q36	RMU Specific Strategy					<p>Of the 486 comments coded, 0.8% were Positive Tone, 32.5% were Neutral/Unknown Tone and 66.7% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> Motorized – 125 Planning and Consultation Process – 69 Status Quo – 65 Fish – 56 Environment – 53 Government of Alberta/Political – 53 <p>Comments included:</p> <ul style="list-style-type: none"> Motorized - comments were split between those that feel motorized is not restricted enough and those that motorized is too restricted. Planning and Consultation Process – comments were focused on the perception that the OHV community had not been heard and/or not included, and has been discriminated against. Status Quo – comments are focused on those that oppose the management direction for motorized use and the perception that it shuts them out. Comments also focus on the perception that the reduction of motorized use will put pressure on other areas and lead to outright banning.

Q#	Section	Agree	Disagree	Neither	Responses	Coded Comments – Qualitative Data
						<ul style="list-style-type: none"> • Fish – comments were split between those that were wanting to retain access to the region for angling and those that were wanting to ensure habitat for wildlife and species at risk was reclaimed and preserved. • Environment – comments focused on the need to avoid sensitive and riparian areas and to monitor for impact to the landscape. • Government of Alberta/Political – comments focused on the perception that the government is working with foreign funded ENGOs to shut out OHV use in the planning area. Comments also focused on the perception that the OHV community was not consulted.
Q37	Plan Additional comments					<p>Of the 436 comments coded, 38.1% were Positive in Tone, 20.4% were Neutral/Unknown Tone and 41.5% were Negative Tone.</p> <p>The top 5 themes identified in the comments were:</p> <ul style="list-style-type: none"> • Planning and Consultation Process – 327 • Motorized – 195 • Infrastructure – 102 • Government of Alberta/Political – 99 • Status Quo – 95 <p>Comments included:</p> <ul style="list-style-type: none"> • Planning and Consultation Process – comments were split between those that like the plan and its contents and those that are against the plan, in particular the OHV portion of the plan. • Motorized - comments were split between those that feel motorized is not restricted enough and those that motorised is too restricted. • Infrastructure – the comments are focused on trail design and placement, the use of bridges to mitigate riparian and stream bed damage, and the need for minimal amenities. • Government of Alberta/Political - comments focused on the perception that the government is working with foreign funded environmental non-government organizations to shut out OHV use in the planning area. Comments also focused on the perception that the OHV community was not consulted. • Status Quo – comments focused on the desire to maintain access as it is currently enjoyed, the perception that non-motorized activity is not required in the planning area, and a fear that nature-based tourism will change the area to be both more commercialized and increase the amount of visitors to the area.

Feedback on Engagement and Consultation Process

Participants were asked about their participation in Stage 1 and 2 and for areas of improvement. Stage 1 and 2 engagement focused on target stakeholder approach with groups asked to share information amongst their networks. Some participants who participated in the survey had participated in Stage 1 and Stage 2 for the Land Footprint Management Plan Survey (17.3%) and Recreation Management Plan Survey (19.0%). Those that did participate in Stage 1 and 2, 160 responses indicated levels of agreement with the statement that engagement sessions provided a better understanding of the planning process within the Footprint Management Planning (46.1%) and Recreation Management Planning (52.5%). Examples of the statements of solutions put forward to improve stakeholder engagement (Table 3 and 4).

Table 3. Statements responding to Questions 46 on the Footprint Survey (121 Comments) on the topic “How could stakeholder engagement be improved?”

Negative Tone	66.1%	80	aren't being listened to, too many biases, stacked meetings, Government of Alberta staff biased, GOA staff not knowing details in their files, transparency, decisions were already made, people who live in the area should be involved, need public open houses, meetings were not advertised well or at all, too much consideration to Indigenous engagement
Neutral Tone	20.7%	25	use Facebook live chat, use newspapers to advertise, local media, online access to information and maps, TV and radio, referendum, advertise, continue to have engagement
Positive Tone	13.2%	16	engagement was thorough, keep it up, more information, keep involving stakeholders, you're doing a good job, engagement helped me understand, include First Nations with public sessions, table discussions were good, the best I've ever seen, better than Castle

Table 4. Statements responding to Questions 53 on the Footprint Survey (97 Comments) on the topic “How could stakeholder engagement be improved?”

Negative Tone	67.0%	65	listen to users and stakeholders, better consultation, more time, too long of a survey, SARAG meetings biased, felt bullied, felt intimidated, needs to be honest/inclusive/transparent, biased, GOA came with an end in mind, predetermined result, talk to people outside of the cattle industry, open houses did not provide information, hold opportunities for working people
Neutral Tone	19.6%	19	clear terms of reference and mediation, use science, longer consultation, town halls, public sessions, lack of expertise, referendum, lack of current recreation demand and understanding of quiet recreation, have consultation with user groups for facility and trail plans once plan is approved, in person consultation
Positive Tone	13.4%	13	very adequate consultation, keep involving the stakeholders, GOA has done an admirable job, thank you, enough consultation-time for action, fair and inclusive, very well done, SARAG was a fair and balanced process, excellent and well done

Stakeholder Submissions

This section provides a general overview of the written stakeholder submissions from various individuals and organizations. These submissions were received via email through the AEP.Planning@gov.ab.ca email account and direct email contact with AEP staff.

Detailed comments on the plans

Of the 136 comments received, 37 email exchanges were related to technical issues/no comments, 36 related to GIS/data requests and 63 contained comments attached or within the email. Of those, 33.8% were Positive Tone, 61.8% were Neutral/Unknown Tone and 4.4% were Negative Tone. There were 11 submissions for the draft Land Footprint Management Plan, 20 for the draft Recreation Management Plan and 48 made reference to both draft plans.

The top 5 themes identified in the comments were:

- Motorized – 40
- Environment – 37
- Enforcement, Regulations and Approvals – 26
- Implementation – 24
- Fish and Wildlife – 22

Stakeholder Submissions –summary points are identified below:

- Support for science and evidence-based management approaches.
- Many comments with support for limiting OHV use - a couple suggestions for no increase in motorized trails (from the concept maps).
- Strong support for threshold values in footprint plan. Some recommendations that they be more stringent.
- Several comments supporting interior habitat thresholds.
- Request for more non-motorized trails to be represented on the concept maps.
- Concern about lack of consultation with grazing allotment holders and OHV users in recreation management plan development.
- Requests for more enforcement and providing cell towers in the area.
- Concern about locations of proposed PLRAs and potential conflicts between cattle and recreational users.
- Concern about the reduction in kilometers of OHV trails.

Indigenous Engagement

First Nations Consultation for the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans was launched on Thursday February 15, 2018, for a period of 60 days, ending on Monday April 16, 2018. Two meetings have been requested outside of the Consultation period and will be scheduled. Emails were sent asking for any written comments prior to Friday April 27, 2018. No written submissions were received from any of the Nations.

Consultation letters were sent to the 13 Nations participating on the SSRP First Nations Implementation Table through email and registered mail directly to the identified consultation coordinators. (Sunchild, Montana, Samson, Louis Bull, Ermineskin, O'Chiese, Siksika, Piikani, Stoney (Bears paw, Chiniki, Wesley), Blood, Tsuut'ina)

Summary to date:

- Consultation meetings already held: Louis Bull, Ermineskin, Piikani, Stoney (Bears paw, Chiniki, Wesley), Blood, Samson Cree, Montana.
- Meetings tentative outside of official Consultation Period: Siksika (rescheduled due to State of Emergency – overland flooding) and Tsuut'ina – call received Monday April 23, 2018 to schedule meeting 2nd or 3rd week in May.

Main comments from First Nations:

- They are supportive of the motorized access limits proposed in the LFMP because they are aware of the damage on the landscape and the impacts to wildlife.
- They want a commitment for completion of TLU/TEK studies and appropriate buffers placed around their ceremonial and traditional use sites – this is already included in the plans.
- They are concerned about the dwindling amount of Crown land where they can practice their Treaty rights, and about getting access to grazing leases (there are no grazing leases in this area).
- They want Conservation Officers, GOA staff, leaseholders to have cultural awareness training so that First Nations members are not fined for practicing their Treaty rights.
- First Nations want to be involved in an ongoing meaningful way, with some Nations expressing an interest in cooperative management.

Please refer to Appendix D for a detailed summary of activities and meetings results.

Media Summary

During the engagement period, the Communications Division tracked media reports, stories and inquiries. There were 25 noted media stories with the overall tone being positive.

Unfortunately, this will not be a complete list as it is difficult to monitor all story potentials. Project staff were asked to forward media/stories to Communication for tracking if they found one.

Appendix G lists the media stories, outlets and links where appropriate.

Appendix A

Engagement Overview – Stage 1 and 2

Stakeholder and First Nations engagement focused on the ‘Consult’ level of the IAP2 spectrum of public participation. The goal of public participation was to obtain stakeholder and First Nations feedback on analysis, alternatives and decisions. This means people will be kept informed, listened to and acknowledged that their concerns and comments have been considered.

The targeted stakeholder engagement process (Stage 1 and Stage 2) has been described below with meeting inventories.

Stage 1: Scope and Intent

- **COMPLETE (March 2015 – March 2016)**

- Met with various stakeholders and First Nations to present the scope and intent of the planning processes. The main objective of Stage 1 included building awareness of the planning process and testing people’s assumptions about the scope and intent of the planning work. Our primary approach for Stage 1 included the use of letters, fact sheets, and one-on-one meetings with various stakeholders, First Nations and a series of sector information sessions.
- **Land Footprint and Recreation Management planning engagement activities were combined for this stage.**

From March 2015 to May 2016 a total of 30 meetings were noted with various First Nations and stakeholders. Below is a summary of table contents.

- 11 meetings with First Nations – SSRP First Nations Implementation Table and requested one-on-one meetings
- 2 meetings with Municipalities
- 3 meetings with the motorized recreation Sector – including a field tour
- 7 meetings with the non-government organizations sector (environmental and other)
- 1 meeting with the commercial sector
- 1 meeting with the forestry sector
- 1 meeting with the energy and communication sector
- 1 meeting with the non-motorized recreation sector
- 2 meetings with the agriculture sectors
- 1 meeting with the Provincial/Federal sectors

	Date	Stakeholder	Location
1	March 15, 2015	Municipalities	MD Willow Creek
2	March 31 & April 1, 2015	SSRP Sub table	Calgary
3	April 22, 2015	Alberta Off Highway Vehicle Association	Calgary
4	June 19, 2015	Canadian Parks and Wilderness Association	Calgary
5	July 23, 2015	CTI Tour	Sundre
6	September 9 & 10, 2015	SSRP Sub-table	Calgary
7	September 21, 2015	Municipalities	MD Willow Creek
8	October 30, 2015	Oldman Watershed Council – Board of Directors	Lethbridge
9	November 16, 2015	Ermineskin Cree Nation	Maskwacis
10	November 18, 2015	Commercial	Blairmore
11	November 18, 2015	Forestry	Blairmore
12	November 24, 2015	Conservation	Calgary
13	November 24, 2015	Energy, Communication	Calgary
14	November 25 & 26, 2015	SSRP Sub table	Calgary
15	November 25, 2015	Samson Cree Nation	Calgary

16	December 1, 2015	Motorized Recreation	Lethbridge
17	December 1, 2015	Non-motorized Recreation	Lethbridge
18	December 10, 2015	Agriculture	MD Ranchland – Chain Lakes
19	December 10, 2015	Agriculture	MD Ranchland – Chain Lakes
20	December 14, 2015	Blackfoot Confederacy ¹	Head-Smashed-In Buffalo Jump
21	January 12, 2016	Tsuu T'ina Nation	Tsuu T'ina Nation, Admin Building
22	January 12, 2016	Other Targeted	Blairmore
23	January 27 & 28, 2016	SSRP Sub Table	Calgary
24	February 16, 2016	Stoney Nation	High River
25	February 18, 2016	Provincial/Federal	Lethbridge and Teleconference
26	February 18, 2016	Cows and Fish	MD Ranchland – Chain Lakes
27	February 22, 2016	Porcupine Hills Coalition	Lethbridge
28	March 10, 2016	Oldman Watershed Council – Holding the Reins	Fort Macleod
29	March 22 & 23, 2016	SSRP Sub-table	Calgary
30	May 18 & 19, 2016	SSRP Sub-table	Calgary

Stage 2: Modeling Scenarios and Management Alternatives

• COMPLETE for Land Footprint (April 2016 – April 2017)

Description – Modeling Scenarios and Management Alternatives

- Met with various stakeholders to present modeling results and management alternatives.
- The primary objective was to present the bounds of uncertainty, and explore alternative management approaches regarding access, timing and other factors that may be considered during development of these plans. For the Land Footprint Management Plan, the focus was on the outputs of the modeling and analysis that was used to create the draft zonation and proposed footprint thresholds. For Recreation Management planning, the focus is on understanding the process, discussing existing data and trail locations and identifying management strategies and actions relating to the 5 E's of recreation management - Education, Enforcement, Engineering, Experience and Evaluation.
- Workshops, stakeholder specific meetings and meetings with First Nations formed the primary approach to engagement during stage two.
- A number of bilateral meetings with stakeholders and sector organizations (e.g. CAPP) were held during this time period to discuss and refine the Land Footprint Management Plan.
- Attendance at the workshops varied from 70 to 100 participants.
- Outdoor recreation management planning workshops for the Porcupine Hills held in early December 2016 were to further educate stakeholders on the constraints identified in the draft Land Footprint Management Plan, identify recreation experience, values and principles while gathering information about desired trails and amenities.
- **Workshops for the Land Footprint and Recreation Management plans were separated for this stage to allow for more specific discussion.**

• COMPLETE for Recreation Management Plan (April 2016 – September 2017)

- Met with various stakeholders to further describe the land footprint parameters that the recreation activities must fall within.
- The primary objective of engagement was to explore alternative management approaches regarding: access, timing and other factors that may be considered during plan development; understand the process; further educate stakeholders on the constraints

¹ This included representation from Piikani, Siksika and Blood Nations. The meeting also involved a presentation for the Milk River Water Management Plan.

identified in the draft Land Footprint Management Plan; identify recreation experience, values and principles; gather information about desired trails and amenities; discuss existing data and trail locations and identify management strategies and actions relating to the 5 E's of recreation management - Education, Enforcement, Engineering, Experience and Evaluation.

- o Workshops, Southwest Alberta Recreation Advisory Group (SARAG), stakeholder specific meetings and meetings with First Nations formed the primary approach to engagement during Stage 2.
 - o Porcupine Hills Stakeholder Engagement – Recreation Workshops: December 2016
 - o **COMPLETE** – 2 workshops in Pincher Creek and 2 workshops in Lethbridge.
 - o Southwest Alberta Recreation Advisory Group (SARAG)
 - o **COMPLETE – completed 5 of 6 discussion meetings.**
 - o **SARAG Meeting #6 – to occur following public consultation to provide an update to SARAG – See Stage 3**

From March 2016 to December 2017 a total of 72 meetings were held with various First Nations and stakeholders. Below is a summary of the table contents.

- 12 meetings with First Nations – SSRP First Nations Implementation Table and requested one-on-one meetings
- 3 meetings with individuals
- 25 meetings with non-governmental organization sectors (including environmental, range and others)
- 2 meetings with municipalities
- 1 meeting with provincial representatives – webinar offered to staff as an update on the planning process and details of engagement
- 10 meetings with motorized recreation sector (winter and summer)
- 3 meetings with forestry sector (Spray Lakes Sawmills)
- 2 meetings with the Canadian Association of Petroleum Producers (CAPP)
- 1 meetings with the Coal Association of Canada
- 4 Footprint targeted stakeholder workshops
- 2 Recreation targeted stakeholder workshops
- 5 meetings with Southwest Alberta Recreation Advisory Group (SARAG)

	Date	Stakeholder	Location	Footprint	Recreation
1	March 16, 2016	Dan McKim		√	√
2	March 17, 2016	Southern Alberta Land Trust Society	Calgary	√	√
3	April 15, 2016	Porcupine Hills Coalition	Chain Lakes	√	√
4	April 21, 2016	Linear Footprint Targeted Stakeholder Workshop 1	Pincher Creek	√	
5	April 21, 2016	Linear Footprint Targeted Stakeholder Workshop 1	Pincher Creek	√	
6	April 30, 2016	Alberta Native Plant Council			
7	May 9, 2016	Municipalities	Chain Lakes	√	√
8	May 12, 2016	Provincial Government	Online		
9	May 26, 2016	Linear Footprint Targeted Stakeholder Workshop 2	Blairmore	√	
10	June 1, 2016	Non-Governmental Organizations (SALTS, AWA & CPAWS)	Calgary	√	
11	June 8, 2016	Recreation and Footprint Workshop	Pincher Creek	√	√
12	June 24, 2016	Porcupine Hills Coalition and Landowners	Porcupine Hills	√	√
13	June 24, 2016	Gord Groom and hunters	MD of Willow Creek		√

	Date	Stakeholder	Location	Footprint	Recreation
14	June 29, 2016	Alberta Off-Highway Vehicle Association	Calgary	✓	✓
15	July 6, 2016	Spray Lakes Sawmills	Calgary	✓	
16	July 7, 2016	Ermineskin Cree Nation	Maskwacis	✓	✓
17	July 11, 2016	Blackfoot Confederacy	Calgary	✓	✓
18	July 13, 2016	Oldman Watershed Council	Calgary	✓	✓
19	July 14, 2016	Non-Governmental Organizations (ANPC, SALTS, AWA, CPAWS, Y2Y and NCC)	Calgary	✓	✓
20	July 27, 2016	TsuuT'ina First Nation	TsuuT'ina	✓	✓
21	August 17, 2016	Livingstone Landowner's Group	Porcupine Hills	✓	✓
22	September 20/21, 2016	SSRP First Nations Table	Calgary	✓	✓
23	September 29, 2016	CAPP	Calgary	✓	
24	October 5, 2016	Land Footprint Targeted Stakeholder Workshop 3	Pincher Creek	✓	
25	October 31, 2016	Spray Lakes Sawmills	Calgary	✓	
26	October 31, 2016	Non-Governmental Organizations (ANPC, AWA, CPAWS and Y2Y)	Calgary	✓	
27	November 20/21, 2016	SSRP First Nations Table	Calgary	✓	✓
28	December 6, 2016	Workshop - Recreation Users for the Porcupine Hills	Pincher Creek		✓
29	December 13, 2016	Workshop - Recreation Users for the Porcupine Hills	Lethbridge		✓
30	January 11, 2017	Porcupine Hills Coalition	MD Ranchland Office	✓	✓
31	January 12, 2017	Municipalities in Planning Area	MD Ranchland Office	✓	✓
32	January 25/26, 2017	SSRP First Nations Table	Calgary		✓
33	March 3, 2017	Porcupine Hills Coalition		✓	✓
34	March 8, 2017	Bow River Basin Council Forum		✓	✓
35	March 8, 2017	Rocky Mountain Forest Range Association AGM	Chain Lakes		✓
36	March 14, 2017	Coal Association of Canada		✓	
37	March 17, 2017	Great Divide Trail Association	phone		✓
38	March 29, 2017	SSRP First Nations Table Elders and Youth Summit	Calgary	✓	✓
39	March 30, 2017	Backcountry Hunters Association and Southern Alberta Bow Hunters	Calgary	✓	
40	April 3, 2017	Alberta Off-Highway Vehicle Association	Edmonton	✓	✓
41	April 20, 2017	Canadian Association of Petroleum Producers	phone	✓	
42	April 27, 2017	Alberta TrailNet	phone		✓
43	April 27, 2017	Alberta Motorsports Association	phone		✓
44	April 27, 2017	Alberta Wilderness Association	phone		✓
45	April 27, 2017	Blake and Nancy Lowden	phone		✓
46	April 27, 2017	Outdoor Recreation Council of Alberta	phone		✓
47	April 27, 2017	Southern Alberta Land Trust Society	phone		✓
48	April 28, 2017	Lethbridge Motorcycle Club	phone		✓
49	May 1, 2017	United Riders of Crowsnest	phone		✓
50	May 2, 2017	Nature Conservancy of Canada	phone		✓
51	May 3, 2017	Spray Lakes Sawmills	Calgary	✓	
52	May 16, 2017	SARAG – Meeting #1	Pincher Creek		✓
53	May 23, 2017	Alberta Off-Highway Vehicle Association	Calgary	✓	✓
54	May 24/25, 2017	SSRP First Nations Table	Calgary	✓	✓
55	May 30, 2017	SARAG – Meeting #2	Chain Lakes		✓
56	June 3, 2017	Alberta TrailNet	Edmonton		✓
57	June 5, 2017	Porcupine Hills Coalition	Calgary	✓	✓
58	June 12, 2017	Hillcrest Fish and Game Club			✓

	Date	Stakeholder	Location	Footprint	Recreation
59	June 12, 2017	Alberta Off-Highway Vehicle Association			√
60	June 21, 2017	SARAG – Meeting #3	Chain Lakes		√
61	July 5, 2017	Alberta Off-Highway Vehicle Association	Livingstone (field tour)		√
62	July 6, 2017	SARAG – ROM demo meeting	Calgary & Lethbridge		√
63	July 6, 2017	Lethbridge Motorcycle Club			√
64	July 11, 2017	Snowmobile Clubs - Calgary and CrowSno Riders			√
65	July 12, 2017	SARAG – Meeting #4	Chain Lakes		√
66	July 18, 2017	SSRP First Nations Table TEK/TLU Principles	Calgary	√	√
67	August 2, 2017	Porcupine Hills Coalition	Lethbridge	√	√
68	August 8, 2017	SARAG – Meeting #5	Chain Lakes		√
69	October 24, 2017	SSRP First Nations Table	Calgary	√	√
70	October 30, 2017	Louis Bull First Nation		√	√
71	December 1, 2017	Porcupine Hills Coalition		√	√
72	December 7, 2017	SSRP First Nations Table	Calgary	√	√

Appendix B

Coding Descriptions and Key Words

For the purpose of the Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans consultation process, the following coding structure is being proposed. Comments can be placed in multiple categories.

Motorized Recreation – mode of movement

- Key words/concepts: trails, activity types (OHVs, quads, ATVs, motorbike, dirt bike, side by sides, razors, 4X4, truck, jeeps, mud bogging, snorkeling, snowmobiling,)

Non-motorized Recreation – mode of movement

- Key words/concepts: trails, activity types (hiking, equestrian, bird watching, berry picking, mountain biking, wildlife viewing, rock climbing, ice climbing, fishing, night sky viewing, photography, backpacking, cross country skiing, snowing, fat bikes, canoeing, wading, swimming, scrambling), quiet recreation

Camping

- Key words/concepts: random camping, back country, trailer, RV, group, designated, rustic, public, campgrounds, PLRAs, PRAs, size of camping node/spots

Infrastructure

- Key words/concepts: garbage removal, dumping stations, fire rings, washrooms, picnic tables, camp kitchens, power, water, firewood, corrals, bridges, trail design, engineered trails (design), experience, day use, staging areas, ramps, troughs, playground (kids), trails for activities, kiosks, signage (education, directional, maps, trail markers, etc.), regional trail systems, industrial gates

Target Shooting

- Key words/concepts: location, yes/no, target shooting

LPH Planning Process/Consultation Process

- Key words/concepts: comments on engagement and consultation activities, too long/short, my group wasn't, preferential treatment, imbalance in representation, poor advertising, please proceed, good job, like the plan, keep moving forward, I hate these plans, no science, bad science

SSRP Reference

- Key words/concepts: anything to do with SSRP, BMF, LUF references

Enforcement, Regulations and Approvals

- Key words/concepts: number of COs on the land, not clear on regulations, what regulations, how do I get a permit for a race, timing of races, ticketing, parties/rave, poor behaviours, drunk driving, limits, who decides the limits, open/restricted, timing of access, closures, compliance

Social Management

- Key words/concepts: education and outreach, stewardship, staffing capacity, social capacity (too many people on the landscape), noise, buffers, commercial tourism, opportunities for partnerships, volunteer related, don't understand what this means to me, this will impact me, I'm not coming again, I'm coming back, development and no development meeting municipality needs/desires, hunting/fishing industries, recreation industries (OHV industry, equipment manufacturers, etc.), economic impacts, jobs

Industry – land use

- Key words/concepts: oil, gas, coal, power, forestry, industrial roads, shared roads, mining, restricted access (roads/trails only available to industry)

Grazing

- Key words/concepts: access, cow poop, condition of grassland, allotment holder's sense of ownership, ranchers

First Nations

- Key words/concepts: TEK, TLU, access for activities, access for elders, treaty rights, Aboriginal rights

Implementation

- Key words/concepts: restoration and reclamation schedule (access to contracts), when does this come into effect, the actual doing and implementation of the plans, commercial businesses opportunities, eco-tourism opportunities, economic options and opportunities, who is doing the work (muni perspectives, road clearing), expectations from municipalities, increased use (who is paying for fire, safety, rescue, etc.), budget to implement, taxes increased, user pay system

Environment

- Key words/concepts: viewscape, water quality, water protection, biodiversity, connectivity, patch size, wildfire management, landscape management, invasive species, weeds, soil compaction, air quality

Fish

- Key words/concepts: specific species of fish, fish habitat, federal legislation (fish related), activity of fishing/angling, headwater closures, fishing closures

Wildlife

- Key words/concepts: specific species of wildlife, wildlife habitat, activity of hunting, grizzly protection (species at risk), legislation (wildlife or species at risk)

Government of Alberta/Political

- Key words/concepts: reference to Shannon Phillips, socialist government, foreign funding, Y2Y/other ENGOs reference wrt foreign funding

Status Quo

- Key words/concepts: leave it alone, nothing wrong with it now, keep access as is, don't restrict access, don't take away access or ability to enjoy the area, don't close this area to fishing, we don't need these plans

Other

- Key words/concepts: Parks, no comments, Castle, Ghost, Bighorn (and other areas outside of plan boundaries), yes or no where there is no context, talking about other areas, comment that doesn't make sense when comparing to questions, websites, book references

Tone of Comments

A gut instinct first feel of the comment – is it positive, neutral or negative? Add a '1' to the appropriate column:

- Positive Comment
- Neutral/Unknown
- Negative Comment

Appendix C

Survey Questions

Separate pdf document – 45 pages.

Survey Questions



Livingstone - Porcupine Hills Footprint and Recreation Planning

Alberta

Appendix D

Indigenous Engagement Summary

Project Description

As part of the ongoing implementation of the South Saskatchewan Regional Plan (approved September 2014, 2017), Alberta Environment and Parks representatives have been working closely with Indigenous communities on the development of the Land Footprint Management Plan for Livingstone-Porcupine Hills and the Recreation Management Plan for Livingstone-Porcupine Hills. These two management plans provide direction on when, where, what, and how much activity is appropriate within Porcupine Hills and Livingstone planning areas.

A Public Land Use Zone (PLUZ) is an area of vacant Provincial public land to which legislative controls apply under authority of the Public Land Administration Regulation (187-2011). In order for alignment of industrial and commercial activities and enable more effective management of recreational activities, it is anticipated that these PLUZs will be established in these areas by the summer of 2017.

The department recognizes First Nation treaty rights to hunt, fish, and trap for food on all unoccupied crown lands and on lands to which they have a right of access for such purposes and is committed to protecting these rights through engagement and consultation with Indigenous Communities.

Consultation with First Nations

Purpose

The consultation process was intended to provide opportunities for First Nations from Treaty 7 (Blood Tribe, Piikani, Siksika, Tsuut'ina, and Stoney Nakoda Nations) and Treaty 6 (Ermineskin, Louis Bull, Montana, Samson, O'Chiese, and Sunchild) to review and provide feedback on the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans.

Process

The process involved the following:

- Notification letters were sent via email and registered mail to First Nations (Treaty 6 and Treaty 7) on Thursday February 15th, 2018 inviting them to contact AEP to arrange for a one-on-one meeting to discuss the draft plans. A deadline was set for notification of interest to meet; that deadline was Thursday March 15th, 2018 – 19 business days.
- Twelve meeting options (including different days of the week and times) were provided to initial contacts.
- A reminder email was sent to the Nations that had not yet responded to the initial email and notification. The first reminder email was sent out on Monday March 5th, 2018 (see summary Table in Appendix B).
- Meeting notes were taken by both AEP and AIR staff during the sessions. Before the notes were finalized, AEP staff and Nations attending had the opportunity to review and provide comment. Final notes were then circulated to all attendees where possible.
- Follow-up action items will be tracked until completed.
- All related email correspondences were recorded and saved electronically and in paper format.

Consultation Summary

Discussions with First Nation communities began early in the Footprint and Recreation planning process through the South Saskatchewan Regional Plan (SSRP) First Nations Implementation Table. AEP Planning staff have attended all SSRP First Nations Implementation Table meetings since they began in 2015 providing updates, facilitating table discussions and providing opportunities for feedback on the planning process and plan details. All 13 Nations were also invited to attend public engagement workshops and in addition, over 20 requested one-on-one meetings were held planning process. These activities were all considered engagement and updates.

First Nations Consultation on the draft plans began with the email and registered letter notification. Continued email and telephone conversation occurred to book meetings and finalize notes. Appendix B summarizes this communication.

Initially 12 meeting dates and times were provided to streamline coordination. However, adjustments need to be made to meet both First Nations needs and coordinate attendance by AEP and AIR staff. The list below outlines the original 12 meeting options.

- Thursday March 8: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm
- Tuesday March 13: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm
- Wednesday March 14: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm
- Thursday March 15: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm
- Tuesday March 20: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm
- Wednesday March 21: 9:00 am – 12:00 noon **OR** 1:00 pm – 4:00 pm

There were 7 meetings (9 Nations) arranged within the consultation period identified below in order of occurrence:

- Ermineskin Cree Nation – March 8, 2018
- Louis Bull First Nation – March 8, 2018
- Stoney Nations (Chiniki, Bearspaw, Nakoda) – March 13, 2018
- Blood Tribe – March 21, 2018
- Piikani First Nation – April 3, 2018
- Samson Cree First Nation – April 13, 2018
- Montana First Nation – April 19, 2018

Due to external circumstances (flooding) the meeting with Siksika Nation was rescheduled to May 15, 2018.

Tsuut'ina Nation has contacted AEP staff but a meeting date has yet to be confirmed.

Several attempts were made to contact the remaining Nations, but no requests were received.

- Sunchild First Nation – no request for meeting
- O'Chiese First Nation – no request for meeting

Concerns or Issues Identified

During the eight consultation meetings specifically held for the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management Plans, the main themes or issues identified were:

- They are supportive of the motorized access limits proposed in the LFMP because they are aware of the damage on the landscape and the impacts to wildlife.
- They want a commitment for completion of TLU/TEK studies and appropriate buffers placed around their ceremonial and traditional use sites – this is already included in the plans.
- They are concerned about the dwindling amount of Crown land where they can practice their Treaty rights, and about getting access to grazing leases (there are no grazing leases in this area).
- They want Conservation Officers, GOA staff, leaseholders to have cultural awareness training so that First Nations members are not fined for practicing their Treaty rights.
- First Nations want to be involved in an ongoing meaningful way, with some Nations expressing an interest in cooperative management.

APPENDIX A: Full Consultation Contact List

First Nation Contact List

<p>Mike Oka Blood Tribe PO Box 60 Standoff, AB, T0L 1Y0 mike.oka@bloodtribe.org 403-737-8236, c: 403-634-6358</p>	<p>Allison Adams-Bull Louis Bull Tribe PO Box 130 Maskwacis, AB, T0C 1N0 aadamsbull@outlook.com 780-585-3978</p>
<p>Carol M. Wildcat Ermineskin Tribe Box 219 Maskwacis, AB, T0C 1N0 carol@ermineskin.ca 780-585-3941, c: 780-362-2241</p>	<p>Andrew Scott O'Chiese First Nation Box 2127 Rocky Mountain House, AB, T4T 1B6 Andrew.scott@ochiesebc.ca 403-989-2297</p>
<p>Danny Bellerose Montana First Nation PO Box 70 Maskwacis, AB, T0C 1N0 suzannelife@montanafirstnation.com 780-585-3744</p>	<p>Kaylyn Buffalo Samson Cree Nation PO Box 159 Maskwacis, AB, T0C 1N0 Kaylyn@samsoncree.com 780-585-3793 , Ext.250, c: 403-232-6810</p>
<p>Ira Provost, Consultation Manager Piikani Nation Box 70 Brocket, AB, T0K 0H0 ira.p@piikanination.com 403-965-2522</p>	<p>Richard Right Hand Siksika Nation PO Box 1100 Siksika, AB, T0J 3W0 rrh.siksika@gmail.com 403-901-6591</p>
<p>Richard Right Hand Siksika Nation PO Box 1100 Siksika, AB, T0J 3W0 scottymanyguns@shaw.ca 587-437-5188</p>	<p>Jocelyn Goodrunning Sunchild First Nation PO Box 747 Rocky Mountain House AB T4T 1A5 tlu@sunchildfn.ca 403-989-3740 ext. 233 c: 403-846-2010</p>
<p>William (Bill) Snow Stoney (Bearspaw) Band PO Box 120 Morley, AB, T0L 1N0 bills@stoney-nation.com 403-881-4760</p>	<p>William (Bill) Snow Stoney (Chiniki) Band PO Box 120 Morley, AB, T0L 1N0 bills@stoney-nation.com 403-881-4760</p>
<p>William (Bill) Snow Stoney (Wesley) Band PO Box 120 Morley, AB, T0L 1N0 bills@stoney-nation.com 403-881-4760</p>	<p>Norine Saddleback Declan Starlight Tsuut'ina Nation 9911 Chiila Blvd. Tsuu T'ina, AB, T2W 6H6 vmeguinis@tsuut'ina.com 403-281-4455, c: 587-223-3544</p>

APPENDIX B: Summary of Communication Process and Action Items

Note: all correspondences have been saved and tracked.

Nation	Consultation Notification	Communications	Meeting Action Items
<p>Sunchild First Nation</p> <ul style="list-style-type: none"> Jocelyn Goodrunning, Consultation Coordinator 	<ul style="list-style-type: none"> Registered letters and emails were sent out Thursday February 15, 2018 Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. Plans were not attached to the email as file size was too large. No response to initial email and/or letter notification. 	<ul style="list-style-type: none"> Reminder email sent Monday March 5, 2018 – no response. Delivery receipts received. Reminder email sent Monday March 12, 2018 – no response. Delivery receipts received. Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. 	<p>No meeting was requested.</p>
<p>Montana First Nation</p> <ul style="list-style-type: none"> Danny Bellerose 	<ul style="list-style-type: none"> Registered letters and emails were sent out Thursday February 15, 2018 Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> Initial questions about attachments received Thursday February 15, 2018. AEP Responded Thursday February 15, 2018 – no attachments in email as they are too large. Reminder email sent Monday March 5, 2018 – no response. Danny responded indicating he just received mailed copies and would like a meeting – Monday March 5, 2018. Danny requested a meeting with AEP re standing issues, proposals and contributions agreements – Wednesday March 7, 2018. AEP responded to request clarifying consultation on draft 	<p>Meeting arranged for Thursday April 19, 2018</p>

Nation	Consultation Notification	Communications	Meeting Action Items
		<p>plans and identifying potential times – Thursday March 8, 2018.</p> <ul style="list-style-type: none"> • AEP sent reminder email and clarification re meeting about draft plans – Monday March 12, 2018. • Communication with Danny re setting meeting date – Friday March 16, Tuesday March 20, April 9, April 12, April 16, April 18, April 19, 2018. • Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. 	
<p>Samson Cree Nation</p> <ul style="list-style-type: none"> • Kaylyn Buffalo, Project Officer 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • Reminder email sent Monday March 5, 2018. • Delivery receipts received. • AEP received request for meeting – Monday March 5, 2018. • AEP responded – Tuesday March 6, 2018. • AEP responded with dates – Thursday March 8, 2018. • AEP sent a reminder email about dates – Monday March 12, 2018. • AEP sent a reminder email Tuesday March 27, 2018. • Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. • Received email from Kaylyn to set meeting date – Wednesday March 28, 2018. 	<p>Meeting arranged for Friday April 13, 2018.</p>

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> • AEP responded – Wednesday March 28, 2018. • AEP sent meeting confirmation email – Tuesday April 10, 2018. • Confirmation received from Kaylyn – Tuesday April 10, 2018. • AEP sent email re meeting location – Thursday April 12, 2018. • Confirmation received from Kaylyn – Thursday April 12, 2018. • Draft meeting notes sent to Kaylyn – Monday April 23, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • Reminder email sent to Kaylyn about no comments received on the draft notes – Monday April 30, 2018. • Final notes sent to Kaylyn – Tuesday May 1, 2018. 	
<p>Louis Bull Tribe</p> <ul style="list-style-type: none"> • Allison Adams-Bull, Consultation Manager 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • Reminder email sent Monday March 5, 2018. • Delivery receipts received. • Received meeting request from Allison – Monday March 5, 2018. • Received follow-up email request for meeting from Jacklyn – Monday March 5, 2018. • AEP responded – Tuesday March 6, 2018. • Received response from Jacklyn – Tuesday March 6, 2018. • Meeting arrangements and direction being made over email – Tuesday March 6, 2018. • Email sent announcing the start of Public 	<p>Meeting arranged for Thursday March 8, 2018.</p> <ul style="list-style-type: none"> • AEP staff to follow up with the SSRP First Nations Implementation Table for preferred methods of access to restricted roads. • AEP staff to follow up with the SSRP First Nations Implementation Table for opportunities to organize a site visit in the Livingstone-Porcupine Hills area. • Louis Bull Elders and staff will review the draft plans and provide further feedback by the April 16, 2018 deadline.

Nation	Consultation Notification	Communications	Meeting Action Items
		<p>Consultation (attached to previous emails) – Tuesday March 27, 2018.</p> <ul style="list-style-type: none"> • Draft Notes sent to Allison and Jacklyn – Thursday April 12, 2018. • Reminder email re draft notes sent – Thursday April 19, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • Email sent to Allison and Jacklyn that no comments had been received and notes would be finalized – April 26, 2018. • Email sent with attached final notes – April 26, 2018. • AEP received email saying that the action items will be reviewed by Jacklyn – April 26, 2018. 	
<p>Ermineskin Tribe</p> <ul style="list-style-type: none"> • Carol Wildcat, Consultation Coordinator 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • AEP received meeting request – Thursday February 15, 2018. • AEP responded to set meeting up and included 12 options for timing – Thursday February 15, 2018. • Wayland responded to set a date – Thursday February 15, 2018. • AEP responded with confirmation of date – Friday February 16, 2018. • AEP sent a meeting confirmation email – Monday March 5, 2018. • Carol and Wayland confirmed and meeting location identified, details finalized – Tuesday March 6 and Wednesday March 7, 2018. • Email sent announcing the start of Public 	<p>Meeting arranged Thursday March 8, 2018.</p> <ul style="list-style-type: none"> • AEP staff will look into holding a discussion with Nations and GOA staff to build a cultural awareness program at an upcoming SSRP First Nations Implementation Table meeting. • Carol Ermineskin will review draft plans and provide feedback. • Wayland Littlechild will review Chief and Council schedule and determine if a presentation from AEP staff is needed. • To work with SSRP Implementation Table to discuss how buffers are defined and further determine protective measures for historic sites.

Nation	Consultation Notification	Communications	Meeting Action Items
		<p>Consultation (attached to previous emails) – Tuesday March 27, 2018.</p> <ul style="list-style-type: none"> • Draft notes sent to Carol and Wayland – Thursday April 12, 2018. • Reminder email re draft notes sent – Thursday April 19, 2018. • Reminder email sent regarding no changes to draft notes received – Tuesday April 24, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • Final meeting notes sent to Wayland and Carol on Thursday April 26, 2018. • Email received by Wayland that the notes looked good – Friday April 27, 2018. • 	
<p>O’Chiese First Nation</p> <ul style="list-style-type: none"> • Andrew Scott, Consultation Coordinator 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • Reminder email sent Monday March 5, 2018. • Delivery receipts received. • Reminder email sent Monday March 12, 2018 – no response. • Delivery receipts received. • Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. 	<p>No meeting was requested.</p>
<p>Siksika Nation</p> <ul style="list-style-type: none"> • Glenda Spotted Eagle, Consultation Manager 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and 	<ul style="list-style-type: none"> • AEP received meeting request – Thursday February 15, 2018. • AEP responded to set meeting up and included 12 options for timing – Thursday February 15, 2018. 	<p>Meeting arranged for Tuesday May 15, 2018.</p>

Nation	Consultation Notification	Communications	Meeting Action Items
	<p>Proposed Public Land Recreation Areas factsheet.</p> <ul style="list-style-type: none"> Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> Reminder email sent – Monday March 5, 2018. Delivery receipts received. AEP received out of office notification for Richard – Monday March 5, 2018. Reminder email sent Monday March 12, 2018. Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. Reminder email sent – Monday April 9, 2018. Received email from Richard asking for dates – Monday April 9, 2018. AEP responded with 4 date and time options – Monday April 9, 2018. Received email from Richard that he will get back to me – Monday April 9, 2018. AEP sent reminder to confirm date – Tuesday April 10, 2018. AEP sent reminder to confirm date – Friday April 13, 2018. Emails confirming date and location – Friday April 13, Saturday April 14 and Monday April 16, 2018. Email sent to confirm meeting with Richard (State of Emergency declared on Siksika re flooding) – Monday April 23, 2018. Email exchange identifying the need to reschedule because of flooding – Monday April 23, 2018. Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. 	

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> • AEP sent email with 5 meeting options – Tuesday April 24, 2018. • Reminder email sent to Richard about choice of rescheduled meeting date – Thursday April 26, 2018. • Response from Richard that he will get back to me by end of day – Thursday April 26, 2018. • Email exchanges to try and confirm date for rescheduled meeting – Monday April 30, Tuesday May 1, 2018. • 	
<p>Piikani Nation</p> <ul style="list-style-type: none"> • Ira Provost, Consultation Manager 	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • Reminder email sent Monday March 5, 2018. • Delivery receipts received. • Received phone call from Megan to request a meeting – Thursday March 8, 2018. • AEP responded with dates in email – Thursday March 8, 2018. • Reminder email sent to Megan – Monday March 12, 2018. • AEP called Piikani Nation office to talk with Megan – Monday March 19, 2018. • Reminder email sent to Megan – Monday March 19, 2018. • Reminder email sent – Tuesday March 27, 2018. • Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. • Phone call with Megan to confirm details of meeting – Wednesday March 28, 2018. 	<p>Meeting arranged for Tuesday April 3, 2018.</p> <ul style="list-style-type: none"> • Send Ira and Megan the latest TLU/TEK report. • AEP will work to coordinate a staff training program. Check with Parks and Operations. • We will add something in the plans about training for disposition holders (statutory consent holders). • In the longer term, we need to provide awareness training for industry and make better arrangements. Ryan/Amber to add this to plans. • Contact local staff and find out who the point person is for gate access – process (Michael Taje, Marina Irwin, and Michelle Keohane). • Determine if we are able to prepare a list of locked gate locations and/or map to provide to First Nations. • We offered to come and give their Chief and Council a presentation if needed. • We will check on whether we can provide the final plans before they go to Cabinet. • AEP will look into providing an early notification of the Cabinet Approval of the plans.

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> • Draft notes sent to Mean and Ira – Wednesday April 11, 2018. • Email sent to Iran and Megan about review of draft notes – Monday April 23, 2018. • Email to Ira and Megan to confirm no changes have been received – Tuesday April 24, 2018. • Final notes emailed to Ira and Megan – Tuesday April 24, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. 	
<p>Stoney-Nakoda Nation (Bears paw, Chiniki, Wesley Tribes)</p> <ul style="list-style-type: none"> • Bill Snow, Stoney Tribal Administration <p><i>Note: There were separate emails sent to each Tribe – Bill Snow is the contact for all three.</i></p>	<ul style="list-style-type: none"> • Registered letters and emails were sent out Thursday February 15, 2018 • Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. • Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> • Reminder email sent Monday March 5, 2018. • Delivery receipts received. • Received an email from Bill requesting a meeting – Monday March 5, 2018. • AEP responded with 8 options for meeting times – Thursday March 8, 2018. • Received email from Bill confirming date and location – Thursday March 8, 2018. • Emails with Bill sending draft agenda and map/directions to meeting location – Monday March 12, 2018. • Email sent announcing the start of Public Consultation (attached to previous emails) – Tuesday March 27, 2018. • Draft notes sent to Bill – Monday April 16, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • Out of Office received – Tuesday April 24, 2018. 	<p>Meeting arranged for Tuesday March 13, 2018.</p> <ul style="list-style-type: none"> • AEP will review the 2014 SSRP response on cultural monitoring and adjust LFMP wording as suitable. • AEP/IR to suggest that the SSRP First Nations Implementation Table be the place to share cultural events and develop a list every spring. • Ryan to forward staff contact information to Bill on who to connect with regarding the C5 Forest Management Plan renewal. • Ryan to forward staff contact information for issues/comments that have been identified regarding forestry activities. • AEP will share your concern regarding wildlife crossings on highway 22 with Alberta Transportation staff. • AEP/IR will suggest follow-up and discussion at the SSRP First Nations Implementation Table to reinitiate Indigenous naming protocols/requirements in the future. • Send information to Bill Snow on the distance each proposed PLRA is from water.

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> Email sent regarding no changes to the draft notes have been received – Monday April 30, 2018. Final notes sent to Bill – Tuesday May 1, 2018. 	<ul style="list-style-type: none"> Add a measure to the Performance Management Plan for invasive species (aquatic and vegetation). Include water quality on waterbodies within a certain distance from recreation infrastructure (trails, camping zones, PLRAs). AEP will review these principles from the Royal Commission on Aboriginal Peoples and the Truth and Reconciliation Commission Report and consider revising. Thank you for the information AEP to remind Bill on deadlines for feedback for these plans. AEP to send Bill a copy of the revised recreation plan without the erratas.
<p>Tsuut’ina Nation</p> <ul style="list-style-type: none"> Declan Starlight, Technician 	<ul style="list-style-type: none"> Registered letters was sent out Thursday February 15, 2018 Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. There was no email address for the first contact (Chief and Council). Three attempts were made to fax the letter to Chief and Council – Friday February 16, 2018. Requested advice from Alberta Indigenous Relations on contacting non listed personnel to relay information. Received advice to send information to Norine Saddleback and Declan 	<ul style="list-style-type: none"> Original letter was emailed to Norine Saddleback and Declan Starlight – Friday February 16, 2018. Delivery receipts received. AEP (Carly Steiger) sent email to Declan and Norine about another meeting and suggested coordinating times – Friday February 16, 2018. Reminder email sent to Norine indicating a separate email was sent to Declan – Monday March 5, 2018. Reminder email sent to Declan indicating a separate email was sent to Norine – Monday March 5, 2018. Reminder email sent to Norine – Monday March 12, 2018. Reminder email sent to Declan – Monday March 12, 2018. 	<p>No meeting was requested.</p>

Nation	Consultation Notification	Communications	Meeting Action Items
	Starlight – Friday February 16, 2018.	<ul style="list-style-type: none"> • AEP received a response from Norine indicating that she will follow-up when back in town – Wednesday March 14, 2018. • AEP sent a follow-up email to Norine – Monday March 19, 2018. • AEP sent a reminder to Norine indicating a similar email will be sent to Declan – Tuesday March 27, 2018. • AEP sent a reminder email to Declan indicating a similar email will be sent to Norine – Tuesday March 27, 2018. • Email sent to Norine announcing the start of Public Consultation (attached to previous emails and Declan cc'd) – Tuesday March 27, 2018. • Email sent to Declan announcing the start of Public Consultation (attached to previous emails and Norine cc'd) – Tuesday March 27, 2018. • AEP sent a reminder email to Declan indicating a similar email will be sent to Norine – Monday April 9, 2018. • AEP sent a reminder to Norine indicating a similar email will be sent to Declan – Monday April 9, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • Telephone conversations with Mary Anne Big Plume arranging for meeting dates and new contact (Charlene) – April 26 – 30, 2018. 	

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> Email sent to Charlene with 3 possible meeting times – April 26, 2018. Reminder email sent to Charlene about dates – Monday April 30, 2018. Email sent to Charlene identifying that one of the meeting dates had been filled – Tuesday May 1, 2018. . 	
<p>Blood Tribe</p> <ul style="list-style-type: none"> Mike Oka, Consultation Coordinator 	<ul style="list-style-type: none"> Registered letters and emails were sent out Thursday February 15, 2018 Included in the mail out were a copy of the draft footprint plan, a copy of the draft recreation plan and Proposed Public Land Recreation Areas factsheet. Plans were not attached to the email as file size was too large. 	<ul style="list-style-type: none"> Reminder email sent – Monday March 5, 2018. Delivery receipts received. Received an email from Mike requesting a meeting and expressing an interest in cooperative management – Monday March 5, 2018. AEP responded with options for meeting – Monday March 5, 2018. Emails to confirm meeting time – Monday March 5, 2018. AEP received an email from Mike about footprint and the ability to accommodate First Nations needs – Monday March 5, 2018. AEP responded to Mike – Monday March 12, 2018. AEP received email from Mike confirming meeting date; details worked out through email – Friday March 16, Sunday March 18 and Monday March 19, 2018. AEP received an email from Mike requesting HRA and archaeological reports of the area. Email communication to provide information – Tuesday March 20 and Wednesday March 21, 2018. 	<p>Meeting arranged for Wednesday March 21, 2018.</p> <ul style="list-style-type: none"> AEP will contact ACT and discuss concerns on reimbursement amounts for elders. AEP will relay your concern about Section 32 of the Historic Resources Act to ACT. AEP will be responsible for finding a contact name of a wildlife biologist from Waterton Lakes National Park regarding wildlife movement and send to Mike Oka. AEP will check the wording in the RMP to ensure that it reflects engagement of First Nations in an ongoing way. Mike Oka will ensure that locating and buffalo jumps in the Porcupine Hills is identified as a priority for 2018/2019 TLU/TEK field work. Mike to review RMP and identify any names that are derogatory and need changing. AEP will clarify details on requirements for First Nations to cut trees for ceremonial purposes. Mike Oka to provide AEP with the list of 5 sacred trees to share with staff and Conservation Officers as part of cultural awareness.

Nation	Consultation Notification	Communications	Meeting Action Items
		<ul style="list-style-type: none"> • Email sent to Mike Oka with draft notes attached for review – Monday April 16, 2018. • Reminder email was sent to Mike OKA about review of the draft notes – Monday April 23, 2018. • Received an email from Mike requesting an additional comment be added (“Please include that the Blackfoot Confederacy will continue to use the areas in whole and practice their Treaty & Aboriginal rights unmolested for the life of these plans. Thank you there will be no designated land set aside.”) – Monday April 23, 2018. • Reminder email sent regarding the deadline for the online survey – Tuesday April 24, 2018. • AEP updated meeting notes with comment included and emailed response back to Mike – Thursday April 26, 2018. • Final notes were emailed to Mike – Thursday April 26, 2018. 	

Appendix E

Detailed Report – All Survey Result Graphics

Separate pdf document – 60 pages.



Appendix F

Media Announcement



News release

Public input wanted on Livingstone-Porcupine Hills

March 27, 2018

Albertans are invited to provide their feedback on the draft Livingstone-Porcupine Hills Land Footprint and Recreation Management plans.

"The Livingstone-Porcupine Hills area is a tremendous public resource, and engaging Albertans in the planning process is essential to getting the best plans possible. We need plans that protect the region's headwaters, biodiversity, esthetic beauty, and cultural and historic values, while accommodating an appropriate mix of uses, including enhanced recreation activities."
Shannon Phillips, Minister of Environment and Parks

Located in southwestern Alberta, the Livingstone-Porcupine Hills is part of Alberta's Eastern Slopes. The area provides much of the region's drinking water, includes extensive portions of an ecologically diverse landscape, and is identified in the South Saskatchewan Regional Plan (SSRP) as a priority for Land Footprint and Recreation Management planning.

The draft Land Footprint Management Plan manages the impacts of competing land-use demands from expanding human development, while providing continued opportunities for economic development and recreation.

The draft Recreation Management Plan provides recommendations on how various recreation activities can be accommodated in the region.

Both draft plans have been released, and the government wants to hear from First Nations, stakeholders and the public. The province appreciates the input it has received over the past three years through extensive engagement. Feedback received during this stage of engagement will be added to that information as final plans are drafted.

Stakeholder and public engagement runs until 4 p.m. on April 26, 2018. To read the draft plans and provide feedback online, please

Related information

[Draft management plans](#)

Media inquiries

Matt Dykstra
Matt.Dykstra@gov.ab.ca
780-641-9846
Press Secretary, Environment and Parks

visit <https://talkaep.alberta.ca/livingstone-porcupine-hills-footprint-and-recreation-planning>.

Background

- The South Saskatchewan Regional Plan (SSRP) came into effect in September 2014. The plan establishes the long-term vision for the region and aligns provincial policies at the regional level to balance Alberta's economic, environmental and social goals.
- Prioritized strategic values in the SSRP include:
 - Watershed and headwaters integrity
 - Maintaining biodiversity and habitat connectivity
 - Wildfire risk management
 - Integrated management of public land uses
- The Livingstone and Porcupine Hills area is identified in the SSRP as a priority for Land Footprint and Recreation Management planning.
- Alberta Environment and Parks planning staff have been working closely with First Nations and stakeholders using a three-stage engagement approach to inform the draft Livingstone and Porcupine Hills Land Footprint Management Plan and Recreation Management Plan.
 - Stage 1 occurred between March 2015 and March 2016 and involved meeting with First Nations and stakeholders to present the scope and intent of the planning processes.
 - Stage 2 occurred between April 2016 and April 2017 and involved meeting with First Nations and stakeholders to present modelling results and management alternatives.
 - Stage 3 Consultations with First Nations, stakeholders and the public will occur to solicit feedback on both draft plans. Feedback and comments collected during Stage 3 will be added to information gathered in previous stages for consideration as final plans are drafted.

Appendix G

Media Tracking

Date	Media	Source	Tone	Link
3/28/2018	Article	CJOC FM	Neutral	http://www.cjocfm.com/news-and-info/lethbridge-news/province-releases-livingstone-porcupine-hills-draft-management-plan/
3/28/2018	Article	Lethbridge News Now	Neutral	http://lethbridgenewsnow.com/article/597701/public-input-sought-livingstone-porcupine-hills
3/29/2018	Twitter	Backcountry Hunters and Anglers (Alberta)	Positive	https://twitter.com/alberta_bha/status/979386199876960257
3/29/2018	News Release	Porcupine Hills Coalition, CPAWS, Livingstone Landowners , Lorne Fitch, Carol Ostrom	Positive	
3/29/2018	Blog	Oldman Watershed Council	Positive	http://oldmanwatershed.ca/blog-posts/2018/3/29/protecting-what-we-love
3/29/2018	News Release	Alberta Wilderness Association	Neutral	https://albertawilderness.ca/news-release-livingstone-porcupine-plans-released/
3/29/2018	Article	Pincher Creek Voice	Neutral	http://www.pinchercreekvoice.com/2018/03/alberta-government-asks-for-public.html
3/29/2018	Video	Global News Lethbridge	Neutral	https://globalnews.ca/video/4112308/landowners-and-user-groups-react-to-livingstone-porcupine-hills-management-plan
3/30/2018	Radio interview	770 CHQR	Neutral	https://omny.fm/shows/alberta-morning-news/livingstone-porcupine-hills-recreation

	w (MLA Stier)			
3/31/2018	Article	Lethbridge Herald	Positive	http://lethbridgeherald.com/news/lethbridge-news/2018/03/31/conservation-plan-gathers-support/
4/3/2018	Opinion	Edmonton Journal	Positive	http://edmontonjournal.com/opinion/columnists/opinion-ndp-govt-shows-courage-in-land-use-planning
4/3/2018	Opinion	Lethbridge Herald	Positive	http://lethbridgeherald.com/commentary/opinions/2018/04/03/the-livingstone-porcupine-hills-plan/
4/3/2018	Article	Lethbridge Herald	Negative	http://lethbridgeherald.com/news/lethbridge-news/2018/04/03/provinces-plan-angers-off-roaders/
4/10/2018	Article	Lethbridge Herald	Positive	http://lethbridgeherald.com/news/lethbridge-news/2018/04/10/support-grows-for-livingstone-plans/
4/11/2018	Article	Backcountry Hunters and Anglers (Alberta)	Neutral	https://www.backcountryhunters.org/livingstone
4/18/2018	Article	Crowsnest Pass Herald	Negative / Neutral	
4/20/2018	Article	Western Producer	Positive	https://www.producer.com/2018/04/debate-over-land-use-plan-focuses-on-ohv-use/
4/20/2018	Video	CTV Calgary	Neutral	https://calgary.ctvnews.ca/mobile/video?clipId=1362222&binId=1.1484062&playlistPageNum=1#1362222
4/23/2018	Article	Lethbridge Herald	Negative	http://lethbridgeherald.com/news/lethbridge-news/2018/04/23/backcountry-enthusiasts-share-concerns/

4/23/2018	Article	Lethbridge News Now	Negative	http://lethbridgenewsnow.com/article/600737/residents-concerned-over-livingstone-porcupine-hills-draft-plans-holding-rally-sunday
4/24/2018	Opinion	Edmonton Journal	Negative	http://edmontonjournal.com/opinion/columnists/opinion-rushed-consultation-compromises-decisions-on-public-land-use
4/25/2018	Article	Fort MacLeod Gazette	Positive	
4/25/2018	Article	Fort MacLeod Gazette	Negative	
4/25/2018	Article	Nanton News	Positive	
5/1/2018	Opinion	Lethbridge Herald	Positive	http://lethbridgeherald.com/commentary/opinions/2018/05/01/stuck-in-the-mud-the-ohv-debate/

Oldman River Basin Water Allocation Order

Information briefing

Alberta Environment and Parks
November 20, 2020



Agenda



What is the Oldman order, and the opportunity



Water amounts and uses



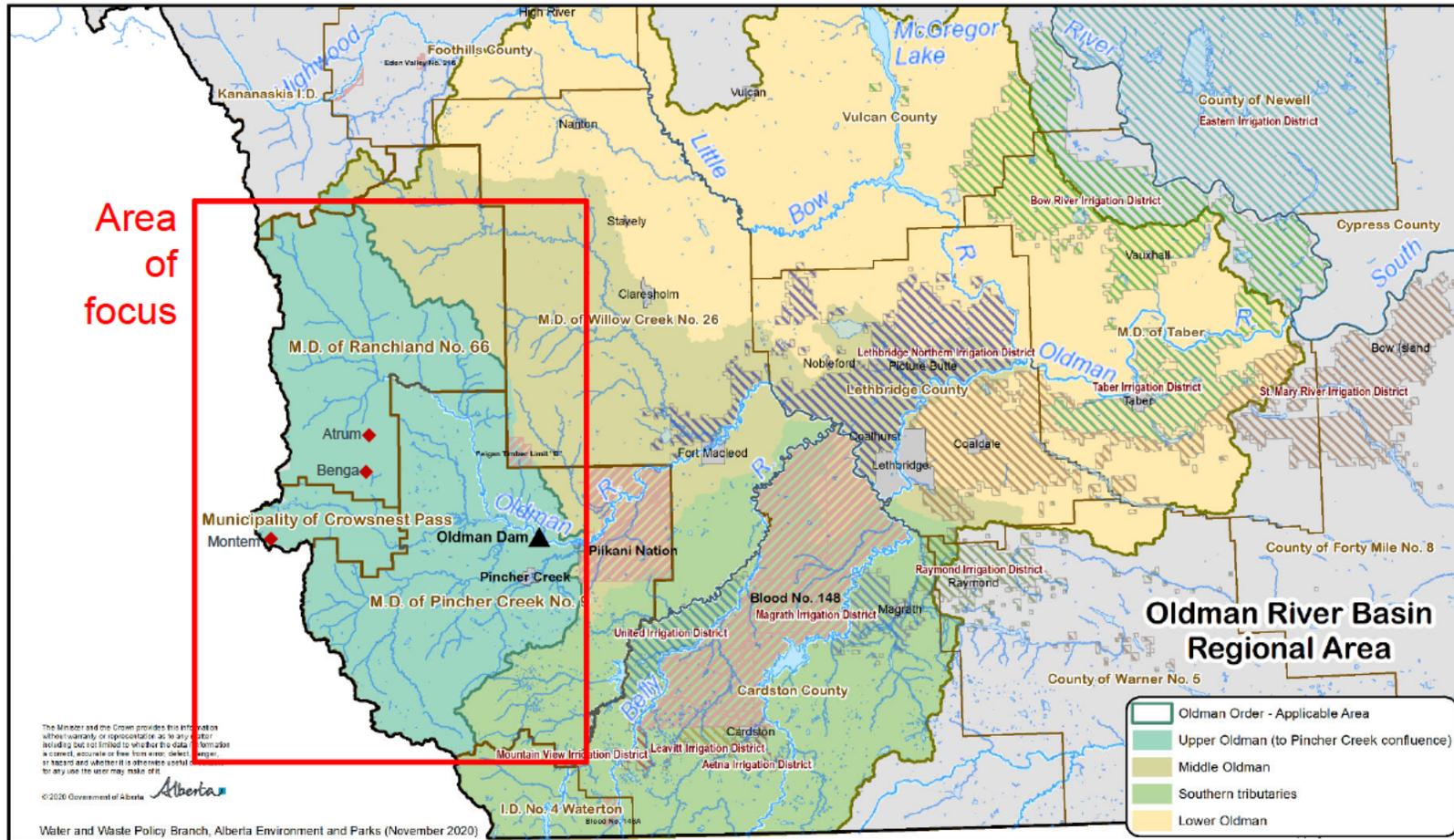
Issues to address, and the proposed changes



Feedback and discussion

What is the Oldman order

- **11,000 acre-feet*** of water originally set aside for irrigation purposes in three municipalities impacted by the creation of the Oldman dam and reservoir
- Water can be allocated in the upper watershed to the Pincher Creek confluence, within the boundaries of
 - the Municipal District of Pincher Creek
 - the Municipality of Crowsnest Pass
 - the Municipal District of Ranchlands



Status of the Oldman order

- Oldman order established under *Water Act* in 2003
- In 2006 the SSRB Plan closed three sub-basins
 - The *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order*
 - Water under the Oldman order can still be allocated
- Government amended the Oldman order in 2010 to allow some water for purposes other than irrigation
 - 9,350 acre-feet is now reserved for irrigation
 - Other limits apply for industrial (150 acre-feet) and other specified purposes (1,500 acre-feet)

Opportunity

- Alberta's government is focused on
 - Economic recovery and stimulus
 - Removing burdensome regulations while maintaining high environmental standards
- Alberta Environment and Parks proposes updating the order to
 - Better reflect current needs and improve economic opportunity in the area
 - Remove artificial barriers to water sourcing options

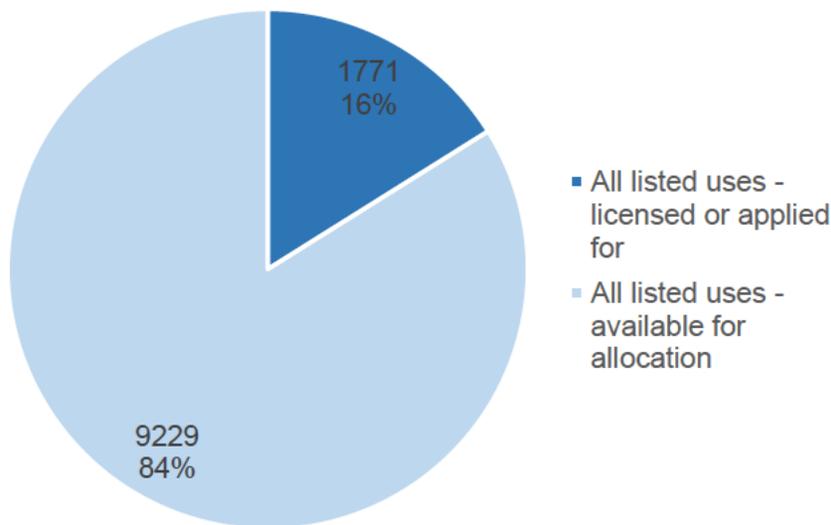
Water amounts and uses – current

	Reserved total	Licensed or applied for	Remaining to allocate
Irrigation	9,350	1,295	8,055
Other listed uses*	1,500	326	1,174
Industrial	150	150	0
Total, all listed uses	11,000	1,771 (16%)	9,229 (84%)

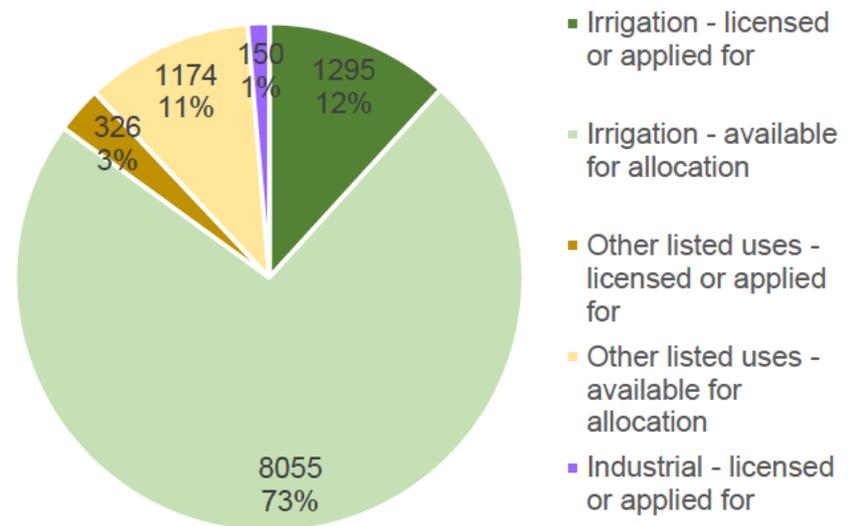
*The other listed uses permitted under the order are municipal, commercial, recreation, rural community water supply and agricultural (non-irrigation) purposes

Water amounts and uses – current

General breakdown, today



Detail breakdown, today



The **other listed uses** permitted under the order are municipal, commercial, recreation, rural community water supply and agricultural (non-irrigation) purposes

1: Addressing economy and regulation

- Despite available water set aside for use, sourcing water for new projects and activities remains a barrier
 - Over nearly three decades, only 14% of the water reserved has been licensed or applied for and there is limited potential use for the water as currently specified
 - Other new projects not falling under the order limits for the listed purposes must seek and acquire licence transfer(s)

2: Addressing fish and environment

- There was no approved water management plan for the basin and no water conservation objectives existed when water was originally reserved in 1991
- Fisheries needs and instream requirements have emerged, with two particular species of concern in the upper Oldman
 - Westslope cutthroat trout and bull trout, with active or pending recovery plans under *Species at Risk Act*

Proposed amendments

- Replace specific water volume limits for irrigation, industrial, and other purposes with **one overall limit for all listed uses**
- Recognize need for sustainable water use by setting aside **20% of the original order volume for aquatic environment needs**

Rationale

- Allow market forces to drive water use, activity and innovation in the area
 - Frees up previously reserved water by removing sector-specific limits, allowing expanded economic opportunities
- Reducing the overall amount reserved for general use offsets adverse impacts of increased water use on critical habitat for listed species at risk

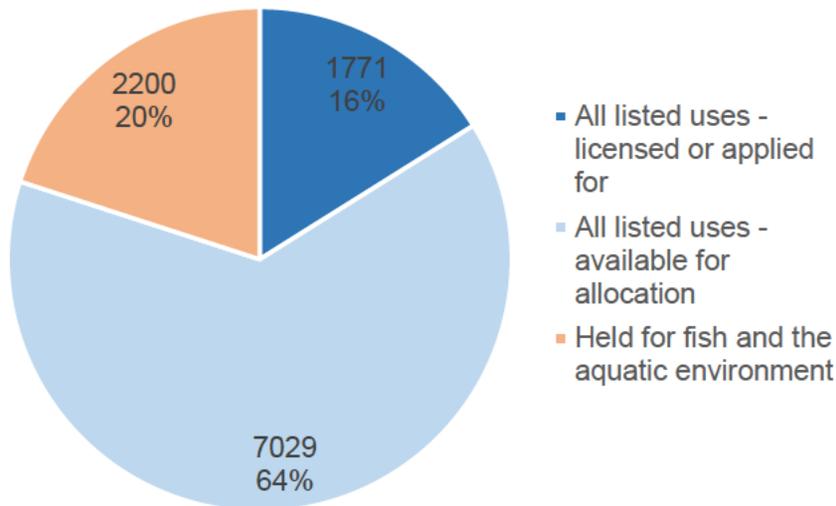
Water amounts and uses – proposed / future

	Reserved total	Licensed or applied for	Remaining to allocate
Listed uses*	8,800	1,771	7,029
Held for fish and the aquatic environment	2,200	2,200	-
Total, all listed uses	11,000	3,971 (36%)	7,029 (64%)
Estimated water needs, new projects		[303 ^(B) +1,216 ^(A)]	~5,510 (50%) (if approved)

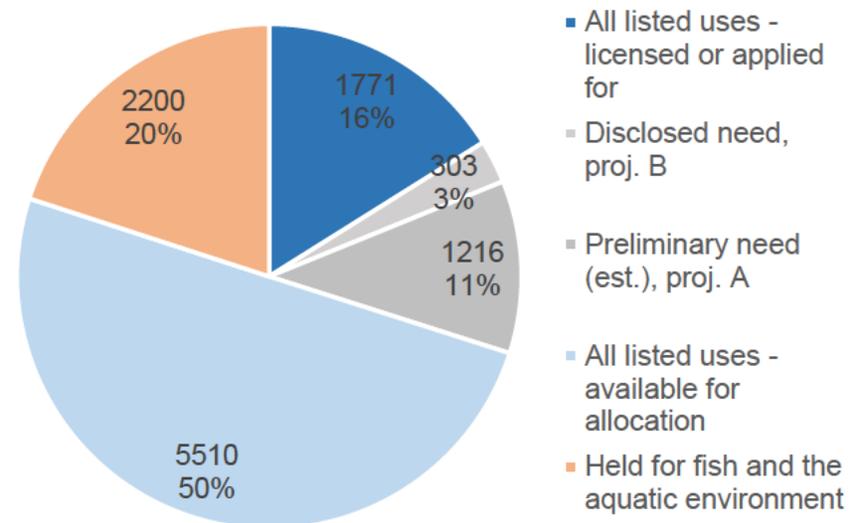
*The **listed uses** permitted under the order are municipal, commercial, recreation, rural community water supply, agricultural (non-irrigation), irrigation and industrial purposes

Water amounts and uses – proposed / future

If changes are approved



If changes are approved + projected needs



The **listed uses** permitted under the order are municipal, commercial, recreation, rural community water supply, agricultural (non-irrigation), irrigation and industrial purposes

Outcome

- Easier to apply for water licences in the municipalities in the upper Oldman, Castle and Crowsnest region
 - Reducing one of the most significant challenges to economic development – securing water
- Reduces unnecessary red tape
 - Water will be available for all purposes including irrigation, agriculture and municipal and community water supply – and its use no longer constrained by artificial limits

Outcome

- Ample room for economic growth even with water now set aside for environmental needs
 - Water still available (7,029 acre-feet, or **64% of the order**) greatly exceeds what has been allocated (1,771 acre-feet) in the last 28 years
 - Approx. 5,500 acre-feet (or **about 50% of the order**) remains available after two proposed coal projects, if approved
 - Projects require an environmental impact assessment (EIA) to be completed before a licence could be issued
 - An EIA can set conditions and requirements also, for a project to be approved

Outcome

- Directing some water to support the aquatic environment is not only good for the environment but contributes to Albertan's quality of life
 - Helps maintain fisheries and recreational opportunities and sustain Alberta's tourism and recreation sectors
- The SSRB Water Conservation Objective (WCO) is also applicable to licences issued under the order
 - Provides another mitigation for fisheries and critical habitat, in addition to the volume reduction in the order

Discussion

