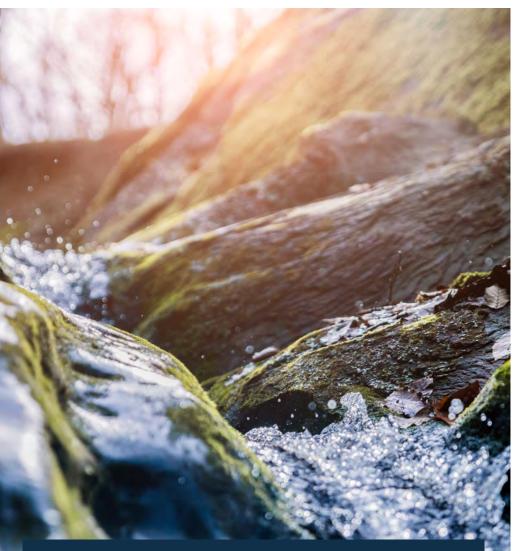
Quarterly Oil and Gas Water Management Summary

Jan-Mar (Q1) 2023



BRITISH COLUMBIA ENERGY REGULATOR



This Quarterly Water Management Summary presents short-term water use and water licence data from the January to March 2023 period.

Previous annual water use reports and quarterly water management summaries are available at bc-er.ca.

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Vision, Mission and Values



Mission

We regulate the life cycle of energy resource activities in B.C., from site planning to restoration, ensuring activities are undertaken in a manner that:



Protects public safety and the environment



Supports reconciliation with Indigenous peoples and the transition to low-carbon energy



Conserves energy resources



Fosters a sound economy and social well-being

Respect is our commitment to listen, accept and value diverse perspectives. Integrity is our commitment to the principles of fairness, trust and accountability.

Values

Transparency is our commitment to be open and provide clear information on decisions, operations and actions. Innovation is our commitment to learn, adapt, act and grow.

Responsiveness is

our commitment to listening and timely and meaningful action.

Role of the BC Energy Regulator (BCER)

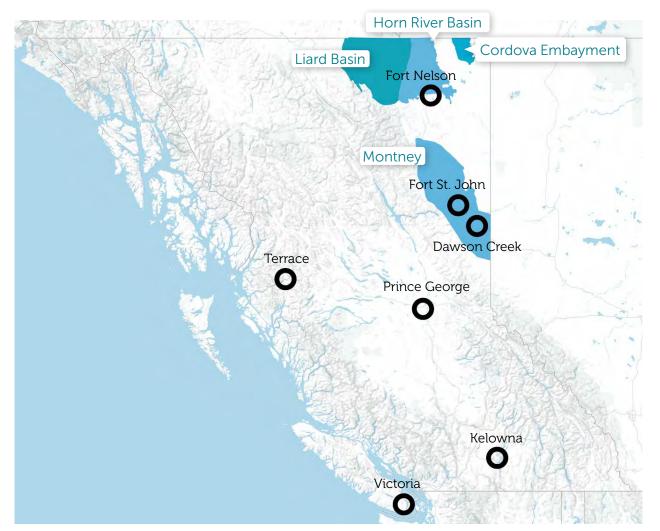
As a provincial Crown agency, we protect public safety and safeguard the environment through the sound regulation of oil, gas and aspects of geothermal activities in B.C. while balancing a broad range of environmental, economic and social considerations.

We regulate resource activities through the <u>Oil and Gas Activities Act (OGAA)</u>, the <u>Petroleum and Natural Gas (PNG) Act</u>, and other associated laws related to heritage conservation, roads, land and water use, forestry, and other natural resources.

Through combined authority and working with partner agencies, we regulate activities on Crown land, private land, and the Agricultural Land Reserve. When oil, gas, or geothermal permits are granted, we are responsible for ensuring industry compliance with provincial legislation from initial exploration to final reclamation. As more resources have been discovered, techniques for accessing them have advanced, environmental awareness has increased, and stakeholders have let us know they are interested in providing more input.

During our review and decision-making processes, we work closely with <u>land</u> <u>owners</u>, <u>rights holders</u>, and <u>Indigenous</u> <u>communities</u>. The BCER currently has over 280 employees operating out of seven locations: Fort Nelson, Fort St. John, Dawson Creek, Terrace, Prince George, Kelowna and Victoria. The largest number of employees are in the Fort St. John office.

With 25 years' dedicated service, we're committed to ensuring safe and responsible energy resource management for British Columbia.



BCER Office Locations Throughout B.C.

Territorial Acknowledgement

We acknowledge and respect the many Indigenous Territories and Treaty areas, each with unique cultures, languages, legal traditions and relationships to the land and water, which the BCER's work spans. We also respectfully acknowledge the Métis and Inuit people living across B.C.

How Water is Used and Accessed

Water Use

Water is used for various purposes in the oil and gas industry. The largest use of water is for hydraulic fracturing, however, water is used for other purposes, such as:



Seismic or geophysical exploration



Drilling



Machine washing

Dust control



Water floods (enhances oil recovery)



Ice road freezing



Hydrostatic testing of pipelines

Water Access

There are different ways the oil and gas industry may access water in British Columbia. Some methods are managed through provincial legislation, including:

- Water licences issued under section 9 of the Water Sustainability Act (WSA) for surface and groundwater. BCER staff designated as Regional Water Managers have the authority to issue and administer long-term water licences
- Short-term surface water use or diversion approvals issued under section 10 of the WSA. Short-term water use is administered by the BCER.
- Water source wells authorized by the BCER under OGAA are wells where water is withdrawn for injection into underground formations to enhance oil or natural gas recovery.
- Flowback water that returns to the surface after being injected for hydraulic fracturing.
- Produced water that flows to the surface as a by-product of oil and gas production.

Industry may also access water by other means:

Private agreements can be made with land owners who have a source of surface water supply such as a dugout or groundwater well. In some cases, private agreements may require a Waterworks water licence under the WSA.

Oil and Gas Activity Water Use: Short-term Approvals & Long-Term Licences

Short-Term Water Use

During January to March there were 197 water use approvals in place, representing 533 withdrawal locations, held by 32 companies (Table 1).

The total water volume available for use by short-term approvals active on the last day of March was 14,590,176 m³.

A total of 224,843 m³ was reported as withdrawn in 2023.

Long-Term Water Use

During January to March there were 111 active oil and gas related water licences, representing 116 withdrawal locations, held by 33 companies (Table 2).

The total annual volume available for use for water licences was 79,016,405 m³.

A total of 716,604 m³ was reported as withdrawn in 2023.

TABLE 1 - SHORT-TERM APPROVALS
AND USE IN 2023Companies with Active Approvals32Active Approvals197Approved Withdrawal Locations533Volume Available for Use (m³)14,590,176Cumulative Volume Reported Withdrawn (m³)224,843

TABLE 2 - LONG-TERM WATER LICENCES AND USE IN 2023	End of Q1
Companies with Active Water Licences	33
Active Water Licences	111
Licenced Withdrawal Locations	116
Annual Volume Available for Use (m³)	79,016,405
Cumulative Volume Reported Withdrawn (m ³)	716,604

A break down of short-term approvals and water licence use by BCER Water Management Basin is listed in Table 4 on page 10.

Oil and Gas Related Water Licences

Table 3: Licences that Withdrew Water from January to March 2023

			BCER WATER	ANNUAL	WATER
LICENCE #	LICENCEE	SOURCE	MGMT BASIN	APPROVAL (m ³ /YR)	USE (m ³)
C133853	Petronas Energy Canada	Barker Creek	Middle Sikanni Chief River	7,264	1,320
C134049	Petronas Energy Canada	Unnamed Spring	Upper Beatton River	83,402	260
C134092	Petronas Energy Canada	Unnamed Spring	Lower Halfway River	65,971	940
C134111	Petronas Energy Canada	Unnamed Stream	Upper Beatton River	49,588	3,446
C134443	Canadian Natural Resources	Williston Lake	Peace Arm	3,650,000	2,080
C134469	ConocoPhillips Canada	Halfway River	Lower Halfway River	3,650,000	267,572
C134471	Petronas Energy Canada	Sikanni Chief River	Upper Sikanni Chief	2,993,000	145,967
C500172	Secure Energy Services	Aquifer 634	Lower Peace River	36,500	3,996
C500335	Petronas Energy Canada	, FSJ Aquifer	Upper Beatton River	13,670	4,403
C500344	Petronas Energy Canada	FSJ Aquifer	Lower Halfway River	16,165	900
C500345	Ovintiv Canada ULC	Unnamed Stream	Lower Kiskatinaw River	102,100	74,989
C500794	Petronas Energy Canada	FSJ Aquifer	Upper Beatton River	6,924	780
C501120	Canlin Energy Corp.	FSJ Aquifer	Upper Beatton River	1,825	49
C501477	TAQA North Ltd.	FSJ Aquifer	Middle Beatton River	1,095	45
C501672	ConocoPhillips Canada	Aquifer 451	Cache Creek	49,750	922
C501685	ConocoPhilips Canada	Aquifer 451	Cache Creek	160,235	9,326
C501766	T. Hartnell Enterprises Ltd.	Aquifer 633	Lower Kiskatinaw River	100,000	85,741
C501773	Tourmaline Oil Corp.	FSJ Aquifer	Upper Beatton River	19,710	135
C501797	Canadian Natural Resources	Aquifer 931	Milligan Creek	23,725	5,527
C501865	Boundry Lake Sand & Gravel	FSJ Aquifer	Lower Peace River	10,950	272
C502249	Canadian Natural Resources	FSJ Aquifer	Cameron River	170,000	58,380
C502277	Peaceland Farm Ltd.	Aquifer 908	Lower Halfway River	360,000	984
C502295	Todd Energy Canada	FSJ Aquifer	Blueberry River	146,000	2,190
C502448	Canadian Natural Resources	Dawson Creek Bedrock	Murray River	5,475	125
C502452	Canadian Natural Resources	FSJ Aquifer	Kahntah River	3,650	56

At the end of March, water used by industry by way of licence was a fraction of a per cent (0.001) of the average runoff replenished annually in northeast B.C.

LICENCE #	LICENCEE	SOURCE	BCER WATER MGMT BASIN	ANNUAL APPROVAL (m³/YR)	WATER USE (m ³)
C502455	Canadian Natural Resources	Dawson Creek Aquifer	Smoky River	1,095	192
C502462	Canadian Natural Resources	FSJ Aquifer	Kahntah River	7,300	612
C502467	Canadian Natural Resources	FSJ Aquifer	Upper Beatton River	3,650	49
C502795	Canadian Natural Resources	Aquifer 451	Blueberry River	3,650	293
C502900	Pineview Trucking &	Unconsolidated Aquifer	Outside of NEBC	98,550	16,320
	Excavating Ltd.				
C502957	Time Travel Services Ltd.	Aquifer 928	Upper Peace River	10,000	4,245
C503048	Albright Flush Systems	Aquifer 451	Cache Creek	2,920	709
C503155	Inga Water Source Ltd.	Aquifer 451	Cache Creek	76,285	3,023
C504748	Todd Energy Canada	Dunvegan Formation	Blueberry River	628,165	14,888
C500346	Petronas Energy Canada	FSJ Aquifer	Upper Prophet River	35,593	2,894
C500355	Ovintiv Canada	Dugout nr Eight Mile Creek	Lower Peace River	90,000	2,974

TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2023, ORGANIZED BY BCER WATER MANAGEMENT BASIN

OIL AND GAS RELATED SHORT-TERM WATER USE APPROVALS - SECTION 10

OIL AND GAS RELATED WATER LICENCES - SECTION 9

ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 1 of 4) MAJOR and Sub-Basin Name	NUMBER OF APPROVED WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m ³)	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER O LICENCED WITHDRAW/ LOCATIONS	VOLUME	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m³)
BEATTON RIVER (sub-basin of Peace River)											
Upper Beatton River	8	698,620	0.140%	0	0.000%	19	2,355,519	0.472%	9,120	0.002%	499,408,440
Middle Beatton River	8	61,516	0.025%	120	0.000%	1	1,095	0.000%	45	0.000%	249,152,995
Middle Beatton Total (incl. Upper Beatton)	16	760,136	0.102%	120	0.000%	20	2,356,614	0.315%	9,165	0.001%	748,561,435
Milligan Creek	8	13,100	0.007%	0	0.000%	6	235,425	0.123%	5,527	0.003%	191,536,686
Blueberry River	12	268,801	0.092%	0	0.000%	5	827,090	0.282%	17,371	0.006%	293,278,540
Doig River	3	24,000	0.007%	5,112	0.002%	1	51,100	0.016%	0	0.000%	323,069,523
Lower Beatton River	2	519,600	0.376%	0	0.000%	2	414,730	0.370%	0	0.000%	138,262,629
BEATTON TOTAL	41	1,585,637	0.094%	5,232	0.000%	34	3,884,959	0.229%	32,063	0.002%	1,694,708,813
HALFWAY RIVER (sub-basin of Peace River)											
Chowade River	0					0					327,027,527
Upper Halfway River	1	500,000	0.063%	0	0.000%	1	72,000	0.009%	0	0.000%	795,962,409
Upper Halfway Total (includes Chowade)	1	500,000	0.045%	0	0.000%	1	72,000	0.006%	0	0.000%	1,122,989,936
Graham River	0					0					860,627,172
Cameron River	11	460,618	0.206%	3,113	0.001%	19	1,111,919	0.497%	58,380	0.026%	223,679,567
Lower Halfway River	2	3,000	0.002%	0	0.000%	9	5,448,688	3.596%	270,396	0.178%	151,526,991
HALFWAY TOTAL	14	963,618	0.041%	3,113	0.000%	29	6,632,607	0.281%	328,776	0.014%	2,358,823,666
MOBERLY RIVER (sub-basin of Peace River)											
Moberly River	0					0					391,714,995
MOBERLY TOTAL	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	391,714,995
PINE RIVER (sub-basin of Peace River)											
Burnt River	3	94,002	0.013%	0	0.000%	0					737,930,022
Sukunka River	5	160,000	0.015%	0	0.000%	0					1,047,282,572
Sukunka River Total (includes Burnt)	8	254,002	0.014%	0	0.000%	0					1,785,212,594
Upper Pine River	0					0					1,466,884,035
Murray River	6	176,352	0.007%	0	0.000%	1	5,475	0.000%	125	0.000%	2,698,285,017
Lower Pine River	12	2,225,800	1.617%	0	0.000%	1	650,000	0.472%	0	0.000%	137,619,889
PINE TOTAL	26	2,656,154	0.044%	0	0.000%	2	655,475	0.011%	125	0.000%	6,088,001,535

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND	OIL AN	D GAS RELATED SI	HORT-TERM WATER	USE APPROVAL	S - SECTION 10	OIL AND GAS RELATED WATER LICENCES - SECTION 9						
GAS ACTIVITIES IN 2023, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 2 of 4) MAJOR and Sub-Basin Name	NUMBER OF APPROVED WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m³)	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWA LOCATIONS	VOLUME	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m ³)	TOTAL VOLUM WITHDRAWN AS % of MEAI ANNUAL RUNOFF	MEAN	
KISKATINAW RIVER (sub-basin of Peace River)												
West Kiskatinaw River	0					0					117,515,115	
East Kiskatinaw River	0					0					105,452,962	
Middle Kiskatinaw River	1	17,400	0.031%	0	0.000%	1	600,000	1.065%	0	0.000%	56,347,972	
Middle Kiskatinaw Total (incl. West & East)	1	17,400	0.006%	0	0.000%	1	600,000	0.215%	0	0.000%	279,316,049	
Lower Kiskatinaw River	17	589,686	0.658%	6,571	0.007%	10	3,198,317	3.567%	160,730	0.179%	89,659,847	
KISKATINAW TOTAL	18	607,086	0.165%	6,571	0.002%	11	3,798,317	1.029%	160,730	0.044%	368,975,896	
PEACE RIVER												
Peace Arm	0					3	9,125,000	N/A	2,080	N/A	N/A	
Upper Peace River	0					1	10,000		4,245		36,423,413,429	
Lynx Creek	0					0					30,436,635	
Farrell Creek	0					0					91,018,843	
Cache Creek	0					8	677,605	0.908%	13,980	0.019%	74,603,546	
Pouce Coupe River	9	354,016	0.138%	25,046	0.010%	4	1,650,200	0.645%	0	0.000%	255,686,202	
Lower Peace River	5	381,200	0.333%	0	0.000%	8	4,204,919	3.673%	7,242	0.006%	114,470,012	
PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton)	113	6,547,711	0.014%	39,962	0.000%	100	30,639,082	0.064%	549,241	0.001%	47,891,853,572	
SMOKY RIVER												
Smoky River	0					2	6,595	0.000%	192	0.000%	2,669,506,123	
SMOKY TOTAL	0					2	6,595	0.000%	192	0.000%	2,669,506,123	
MUSKWA RIVER (sub-basin of Fort Nelson River)												
Upper Muskwa River	0					0					1,725,201,511	
Middle Muskwa River	0					0					1,973,711,816	
Middle Muskwa Total (incl. Upper Muskwa)	0					0					3,698,913,327	
Lower Muskwa River	1	22,000	0.003%	0	0.000%	0					646,841,560	
MUSKWA TOTAL	1	22,000	0.001%	0	0.000%	0	0	0.000%	0	0.000%	4,345,754,887	
PROPHET RIVER (sub-basin of Fort Nelson River)												
Upper Prophet River	0					1	36,593	0.002%	2,894	0.000%	1,470,271,289	
Middle Prophet River	2	1,600	0.000%	0	0.000%	0					621,428,680	
Middle Prophet Total (incl. Upper Prophet)	2	1,600	0.000%	0	0.000%	1	36,593	0.002%	2,894	0.000%	2,091,699,969	
Lower Prophet River	2	10,400	0.004%	357	0.000%	0					272,262,427	
PROPHET TOTAL	4	12,000	0.001%	357	0.000%	1	36,593	0.002%	2,894	0.000%	2,363,962,396	

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND	OIL AND GAS RELATED SHORT-TERM WATER USE APPROVALS - SECTION 10						OIL AND GAS RELATED WATER LICENCES - SECTION 9						
GAS ACTIVITIES IN 2023, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 3 of 4)	NUMBER OF APPROVED		TOTAL VOLUME APPROVED AS %	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN AS % OF MEAN	NUMBER O LICENCED		TOTAL VOLUME LICENCED AS % OF MEAN	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN AS % OF MEAN	MEAN ANNUAL		
MAJOR and Sub-Basin Name	WITHDRAWAL	TOTAL VOLUME APPROVED (m ³)	OF MEAN ANNUAL RUNOFF	WITHDRAWN IN 2023 (m ³)	ANNUAL RUNOFF	WITHDRAW.	AL LICENCED	ANNUAL RUNOFF	WITHDRAWN IN 2023 (m ³)	ANNUAL RUNOFF	RUNOFF (m ³)		
SIKANNI CHIEF RIVER (sub-basin of Fort Nelson River)													
Upper Sikanni Chief River	0					3	3,117,689	0.386%	145,967	0.018%	807,771,692		
Middle Sikanni Chief River	21	258,087	0.027%	13,858	0.001%	4	29,203	0.003%	1,320	0.000%	949,755,794		
Middle Sikanni Chief Total (incl. Upper Sikanni)	21	258,057	0.015%	13,858	0.001%	7	3,146,892	0.179%	147,287	0.008%	1,757,527,486		
Lower Sikanni Chief	12	86,724	0.010%	0	0.000%	0					875,678,142		
SIKANNI CHIEF TOTAL	33	344,811	0.013%	13,858	0.001%	7	3,146,892	0.120%	147,287	0.006%	2,633,205,628		
FORT NELSON RIVER													
Kahntah River	б	9,000	0.002%	0	0.000%	2	10,950	0.003%	668	0.000%	400,582,903		
Fontas River	2	11,000	0.002%	0	0.000%	0					591,531,903		
Fontas Total (includes Kahntah)	8	20,000	0.002%	0	0.000%	2	10,950	0.001%	668	0.000%	992,114,806		
Klua Creek	0	-				0	-				402,135,448		
Upper Fort Nelson River	0					0					276,181,026		
Upper Fort Nelson Total (incl. Sikanni Chief Tota		364,811	0.008%	13,858	0.000%	10	3,157,842	0.073%	147,955	0.003%	4,303,636,908		
Kahntah, Fontas, Klua)				·					,				
Snake River	0					0					310,763,522		
Sahtaneh River	12	40,438	0.009%	1,075	0.000%	0					474,904,729		
Middle Fort Nelson River	5	74,000	0.014%	0	0.000%	0					515,348,901		
Middle Ft Nelson Total (incl. Upper Ft. Nelson total,	63	513,249	0.004%	15,290	0.000%	11	3,194,435	0.026%	150,849	0.001%	12,314,371,343		
Muskwa Total, Prophet Total, Snake, Sahtaneh)													
Kiwigana River	14	774,100	0.175%	1,946	0.000%	0					441,657,543		
Lower Fort Nelson River	2	40,000	0.013%	350	0.000%	0					312,768,938		
FORT NELSON TOTAL	79	1,327,349	0.010%	17,586	0.000%	10	3,194,435	0.024%	150,849	0.001%	13,068,797,824		
LIARD RIVER													
Muncho River	0					0					551,551,360		
Upper Liard River	0					0					33,125,817,465		
Upper Liard Total (incl. Muncho)	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	33,677,368,825		
Grayling River	0					0					630,833,914		
Upper Toad River	0					0					1,521,055,576		
Racing River	0					0					1,488,336,681		
Lower Toad River	0					0					419,472,722		
Beaver River	0					0					10,862,659,426		
Middle Liard River	0					0					463,652,312		
LIARD RIVER con't on next page											Table: pg 3 of 4		

LIARD RIVER con't on next page

Table: pg 3 of 4

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2023, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 4 of 4)

OIL AND GAS RELATED SHORT-TERM WATER USE APPROVALS - SECTION 10

OIL AND GAS RELATED WATER LICENCES - SECTION 9

GRAND TOTAL	533	14,590,176	0.012%	244,843	0.000%	116	79,016,405	0.066%	716,604	0.001%	120,568,508,464
OTHER (outside Northeast B.C.)	236	5,810,651	N/A	144,925	N/A	4	45,176,293	N/A	16,320	N/A	N/A
CHINCHAGA TOTAL	0					0	0	0.000%	0	0.000%	109,492,680
Chinchaga River	0					0					109,492,680
CHINCHAGA RIVER											
HAY TOTAL	57	513,291	0.029%	13,867	0.001%	0	0	0.000%	0	0.000%	1,758,355,971
Hay River	24	174,000	0.032%	10,994	0.002%	0					538,672,352
Kyklo, Shekilie)											
Lower Kotcho Total (includes Upper Kotcho,	33	339,291	0.028%	2,873	0.000%	0	0	0.000%	0	0.000%	1,219,683,619
Lower Kotcho River	1	6,000	0.002%	0	0.001%	0					311,519,217
Shekilie River	22	292,400	0.065%	0	0.000%	0					450,747,494
Kyklo River	8	32,720	0.022%	836	0.001%	0					145,897,691
Upper Kotcho River	2	8,171	0.003%	2,037	0.001%	0					311,519,217
HAY RIVER				,							
PETITOT TOTAL	43	331,410	0.009%	4,617	0.000%	0	0	0.000%	0	0.000%	3,766,144,156
Lower Petitot River	10	62,400	0.007%	380	0.000%	0					904,314,069
Upper Petitot, Tsea)				.,_,,		v	Ū	0.000/0	v	41444/U	_,,
Middle Petitot Total (incl. Sahdoanah,	33	269,010	0.009%	4,237	0.000%	0	0	0.000%	0	0.000%	2,861,830,087
Middle Petitot River	13	73,700	0.011%	570	0.000%	0					698,562,753
Tsea River	6	84,310	0.019%	72	0.000%	0					434,062,484
Upper Petitot River	11	83,000	0.006%	0	0.000%	0					1,476,579,488
Sahdoanah River	3	28,000	0.011%	3,595	0.001%	0					252,625,362
LIARD TOTAL (incl. Fort Nelson) PETITOT RIVER	84	1,387,113	0.002%	21,472	0.000%	10	3,194,435	0.005%	150,849	0.000%	64,373,155,962
Lower Liard River	4	44,220	0.004%	3,886	0.000%	0	2 104 425	0.0050/	150.040	0.0000/	1,236,634,664
Dunedin River	0	44.220	0.0040/	2.007	0.0000/	0					820,464,167
Capot-Blanc Creek	1	15,544	0.008%	0	0.000%	0					183,879,851
Upper Toad, Racing, Lower Toad, Beaver)											
Middle Liard Total (incl. Upper Liard Total, Grayling,	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	49,063,379,456
LIARD RIVER con't											
MAJOR and Sub-Basin Name	NUMBER OF APPROVED WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m ³)	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m³)	WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER (LICENCEI WITHDRAW LOCATION) VOLUME /AL LICENCED	LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2023 (m³)	WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m ³)
GAS ACTIVITIES IN 2023, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 4 of 4)					TOTAL VOLUME			TOTAL VOLUME		TOTAL VOLUME	

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Annual water reports and quarterly updates are available on the BCER website at https://www.bc-er.ca/data-reports.

For questions regarding this report or for digital data files, please contact Communications@bc-er.ca.





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