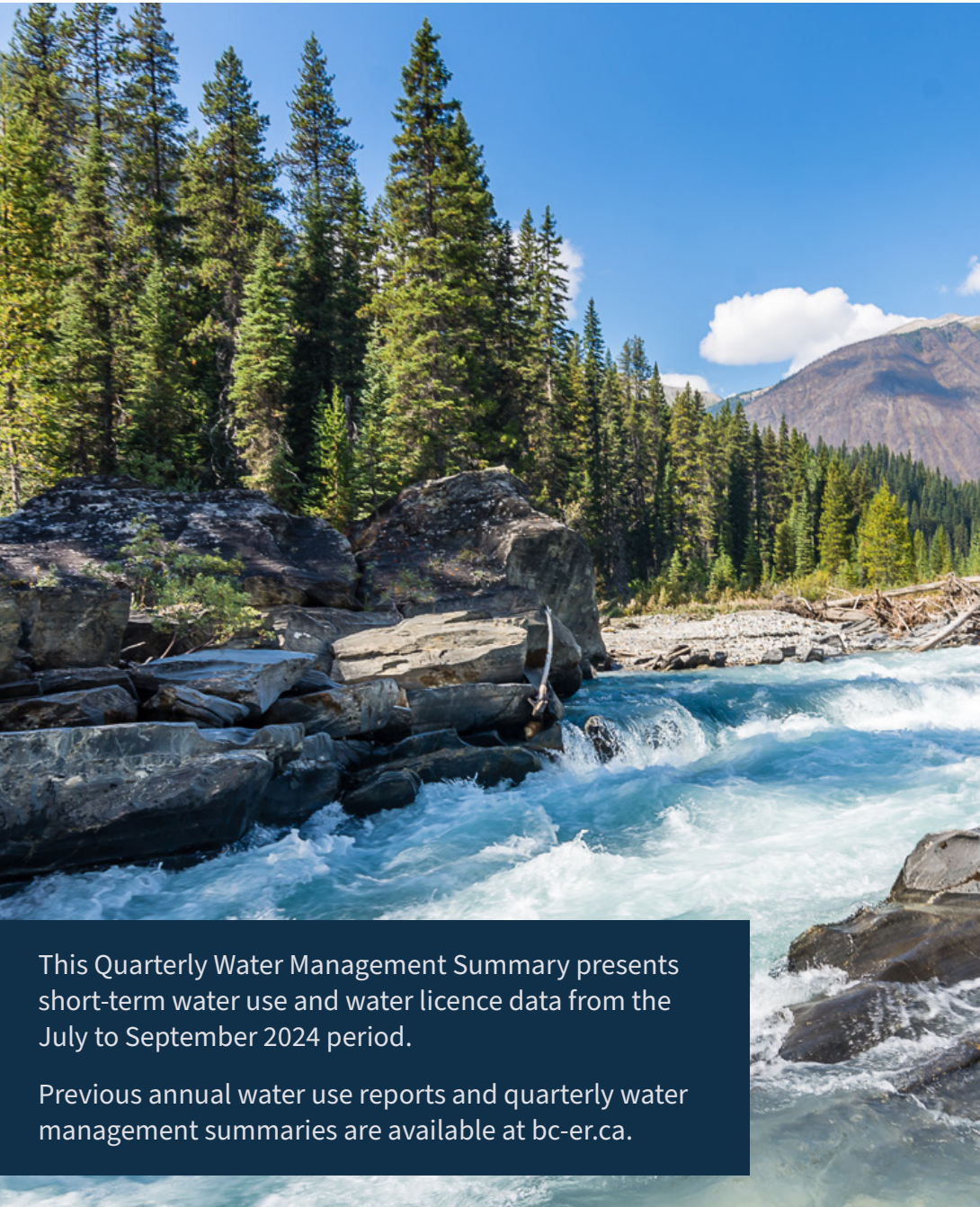


Quarterly Oil and Gas Water Management Summary

Jul-Sept (Q3) 2024

BCER
BRITISH COLUMBIA ENERGY REGULATOR





This Quarterly Water Management Summary presents short-term water use and water licence data from the July to September 2024 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

Vision

A resilient energy future where B.C.'s energy resource activities are safe, environmentally leading and socially responsible.

Mission

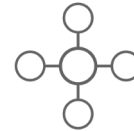
We regulate the life cycle of energy resource activities in B.C., from site planning to restoration, ensuring activities are undertaken in a manner that:



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

Values

Respect is our commitment to listen, accept and value diverse perspectives.

Integrity is our commitment to the principles of fairness, trust and accountability.

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)

The British Columbia Energy Regulator oversees the full life cycle of energy resource activities in B.C., from site planning to restoration. We ensure activities are undertaken in a manner that protects public safety and the environment, supports reconciliation with Indigenous peoples, conserves energy resources and fosters a sound economy and social well-being. Our role includes the management of natural gas, hydrogen, ammonia, methanol, oil and aspects of geothermal resources, with an expanded role in carbon capture and storage (CCS).

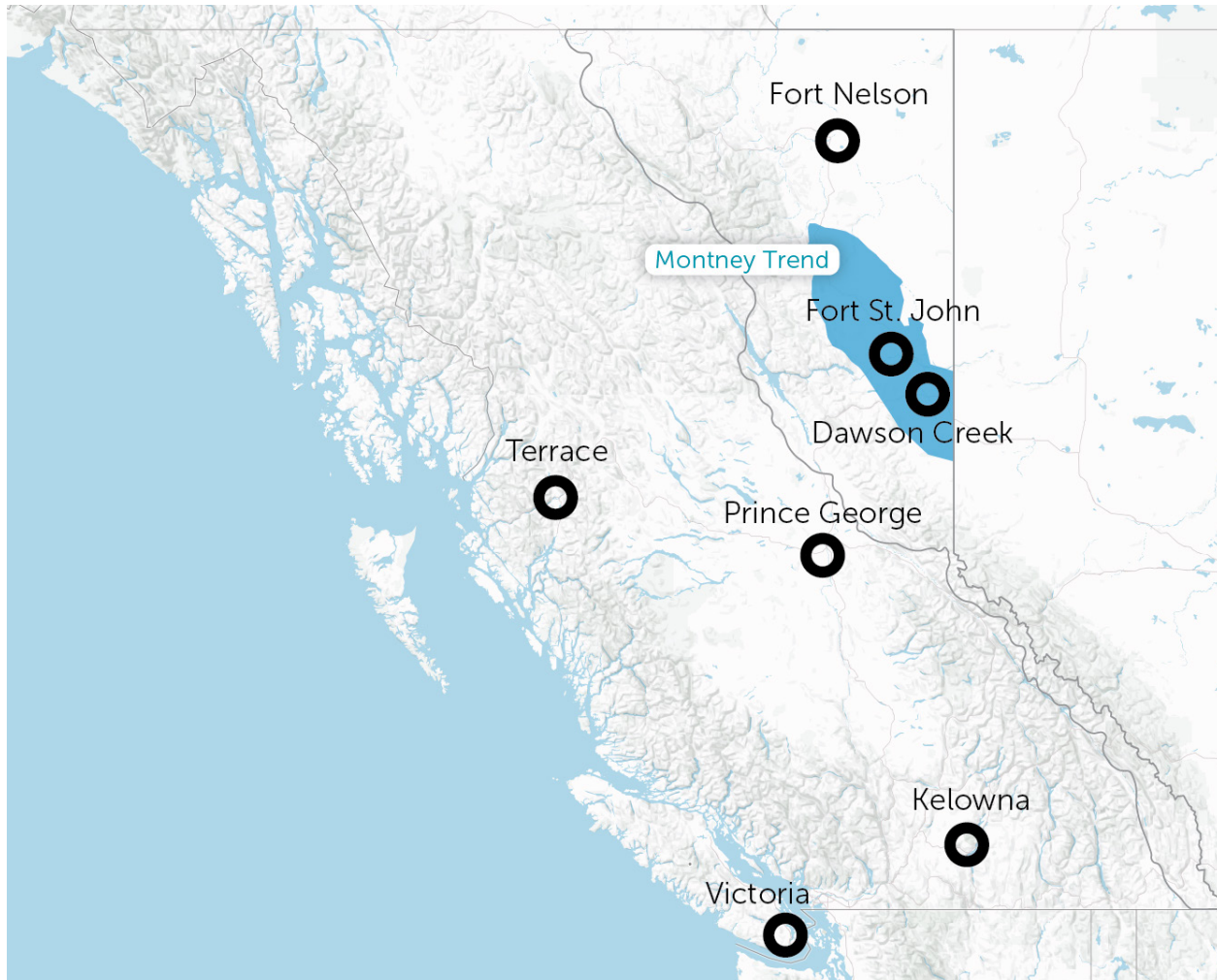
We regulate energy resources through the [Energy Resource Activities Act \(ERAA\)](#) and other associated laws related to heritage conservation, roads, land and water use, forestry, and other natural resources. We work closely with [land owners](#), [rights holders](#), local government, industry, academia and other regulators to gather skills, knowledge and multiple perspectives to evolve our regulatory model.

We respect Indigenous values and seek learning opportunities as we co-develop new processes that we put into practice in all facets of our business and decision-making. We are focused on [advancing reconciliation and building trust](#) and apply this in our work with First Nations and Indigenous communities as partners in building B.C.'s energy resource future.

We currently have 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.



BCER Office Locations Throughout B.C.



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

How Water is Used and Accessed

Water Use

Water is used for various purposes in the energy resource industry, such as:



Hydraulic fracturing



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 ERAA 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 July to September there were 277 water use approvals in place, representing 615 withdrawal locations, held by 38 companies (Table 1).

The total water volume available for use by short-term approvals active on the last day of September was 30,367,231 m³.

A total of 2,213,955 m³ was reported as withdrawn in 2024.

TABLE 1 - SHORT-TERM APPROVALS AND USE IN 2024

	End of Q1	End of Q2	End of Q3
Companies with Active Approvals	37	36	38
Active Approvals	246	256	277
Approved Withdrawal Locations	653	621	615
Volume Available for Use (m ³)	29,753,303	29,700,041	30,367,231
Cumulative Volume Reported Withdrawn (m³)	672,102*	1,560,144**	2,213,955

Long-Term Water Use

During July to September there were 119 active oil and gas related water licences, representing 135 withdrawal locations, held by 39 companies (Table 2).

The total annual volume available for use by water licences was 80,591,300 m³.

A total of 5,391,899 m³ was reported as withdrawn in 2024.

TABLE 2 - LONG-TERM WATER LICENCES AND USE IN 2024

	End of Q1	End of Q2	End of Q3
Companies with Active Water Licences	36	36	39
Active Water Licences	115	115	119
Licensed Withdrawal Locations	131	131	135
Annual Volume Available for Use (m ³)	80,335,180	80,335,180	80,591,300
Cumulative Volume Reported Withdrawn (m³)	1,199,507	4,010,395	5,391,899

*Increase of 1,804 m³ from Q1 report due to retroactive reporting correction.

**Decrease of 1,785 m³ from Q2 report due to retroactive reporting correction.

Total water volumes withdrawn outside of northeast B.C. remain higher than average during Q3 due to construction activities associated with major projects. 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 July to September 2024

LICENCE #	LICENCEE	SOURCE	BCER WATER MGMT BASIN	ANNUAL APPROVAL (m ³ /YR)	WATER USE (m ³)
C112155	Whitecap Resources Inc.	Peace River	Lower Peace River	1,825,000	129,603
C133155	Pacific Canbriam Energy	Williston Lake	Peace Arm	3,650,000	71,511
C133847	Petronas Energy Canada	Unnamed Stream	Cameron River	7,374	618
C133853	Petronas Energy Canada	Barker Creek Tributary	Middle Sikanni Chief River	7,264	350
C133934	Petronas Energy Canada	Caribou Creek	Upper Beatton River	15,076	1,262
C134093	Petronas Energy Canada	Grewatsch Creek Tributary	Upper Beatton River	54,368	2,932
C134104	Petronas Energy Canada	Unnamed Stream	Lower Halfway River	50,235	140
C134107	Petronas Energy Canada	Unnamed Stream	Cameron River	57,582	1,250
C134111	Petronas Energy Canada	Unnamed Stream	Upper Beatton River	49,588	3,850
C134112	Canadian Natural Resources Ltd. (CNRL)	Pine River	Lower Pine River	650,000	44,118
					327,004
C134283	Ovintiv Canada ULC	Kiskatinaw River	Lower Kiskatinaw River	1,000,000	41,891
C134469	ConocoPhillips Canada	Halfway River	Lower Halfway River	3,650,000	226,236
C134471	Petronas Energy Canada	Sikanni Chief River	Upper Sikanni Chief	2,993,000	32,434
C500172	Secure Energy Services	Aquifer 634	Lower Peace River	36,500	2,102
C500226	Veresen Energy Pipeline Inc.	Aquifer 621	Smoky River	5,500	1,179
C500345	Ovintiv Canada ULC	Unnamed Stream	Lower Kiskatinaw River	102,100	822
C500662	ARC Resources Ltd.	Kiskatinaw River	Lower Kiskatinaw River	1,100,000	89,258
C501028	Ovintiv Canada ULC	Dawson Creek Aquifer	Pouce Coupe River	168,200	62,478
C501076	Ovintiv Canada ULC	Bissette/Dawson Ck Aquifer	Pouce Coupe River	482,000	170
C501120	Canlin Energy Corp.	FSJ Aquifer	Upper Beatton River	1,825	131
C501270	Black Swan Energy Ltd.	FSJ Aquifer	Upper Beatton River	6,570	353
C501398	Umbrella Oilfield Ltd.	Chrissy Creek & FSJ Aquifer	Cameron River	150,000	46,346
C501477	TAQA North Ltd.	FSJ Aquifer	Middle Beatton River	1,095	46
C501507	Ovintiv Canada ULC	Aquifer 622	Pouce Coupe River	200,000	45,081
C501682	Todd Energy Canada Ltd.	FSJ Aquifer	Blueberry River	146,000	3,436

Continued on next page.

LICENCE #	LICENCEE	SOURCE	BCER WATER MGMT BASIN	ANNUAL APPROVAL (m ³ /YR)	WATER USE (m ³)
C501766	T. Hartnell Enterprises Ltd.	Aquifer 633	Lower Kiskatinaw River	100,000	53,749
C501804	T. Hartnell Enterprises Ltd.	Aquifer 633	Lower Kiskatinaw River	250,000	13,996
C501865	Boundry Lake Sand & Gravel	FSJ Aquifer	Lower Peace River	10,950	188
C502277	Peaceland Farm Ltd.	Aquifer 908	Lower Halfway River	360,000	158
C502299	ARC Resources Ltd.	Halfway River	Lower Halfway River	1,250,000	299,909
C502448	CNRL	Dawson Creek Bedrock	Murray River	5,475	103
C502452	CNRL	FSJ Aquifer	Kahntah River	3,650	39
C502455	CNRL	Dawson Creek Aquifer	Smoky River	1,095	348
C502462	CNRL	FSJ Aquifer	Kahntah River	7,300	775
C502467	CNRL	FSJ Aquifer	Upper Beatton River	3,650	49
C502795	CNRL	Aquifer 451	Blueberry River	3,650	308
C502824	FortisBC Energy Inc.	Aquifer 399/Howe Snd Bedrock	Outside NEBC	584,000	9,176
C502884	Peaceland Oilfield Services	FSJ Aquifer/2 Unnamed Streams	Cameron River	32,290	1,605
C502900	Pineview Trucking & Excavating Ltd.	Unconsolidated Aquifer	Outside NEBC	98,550	5,665
C502957	Time Travel Services Ltd.	Aquifer 928	Upper Peace River	10,000	1,060
C503023	Whitetail Dream Ranch	FSJ Aquifer	Blueberry River	231,410	511
C503048	Albright Flush Systems	Aquifer 451	Cache Creek	2,920	736
C503088	Inga Water Source Ltd.	FSJ Bedrock	Cache Creek	21,170	390
C503155	Inga Water Source Ltd.	FSJ Bedrock	Cache Creek	76,285	11,828
C503530	NorthRiver Midstream Energy	Aquifer 850	Middle Kiskatinaw River	9,855	434
C503536	NorthRiver Midstream Energy	Aquifer 622	Pouce Coupe River	9,855	267
C504235	LNG Canada Development	Kitimat River	Outside NEBC	44,493,500	40,144
C504748	Todd Energy Canada Ltd.	Sandstone/Dunvegan Formation	Blueberry River	628,165	14,961
C505044	LNG Canada Development	Kitimat River	Outside NEBC	1,496,500	95,858
C505065	Paden Sheldon	FSJ Bedrock	Blueberry River	120,000	25,000
C505249	ConocoPhillips Canada	Aquifer 932	Cameron River	23,725	3,565
C500355	Ovintiv Canada ULC	Dugout nr Eight Mile Creek	Lower Peace River	90,000	810

Jul-Sept (Q3) Total Licenced Water Use: 1,319,234

TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2024, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 1 of 4)

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

OIL AND GAS RELATED WATER LICENCES - SECTION 9

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 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m ³)	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m ³)
BEATTON RIVER (sub-basin of Peace River)											
Upper Beatton River	15	715,148	0.143%	141,838	0.028%	19	2,355,519	0.472%	183,018	0.037%	499,408,440
Middle Beatton River	25	383,996	0.154%	483	0.000%	1	1,095	0.000%	137	0.000%	249,152,995
Middle Beatton Total (incl. Upper Beatton)	40	1,099,144	0.147%	142,321	0.019%	20	2,356,614	0.315%	183,155	0.024%	748,561,435
Milligan Creek	7	43,000	0.022%	0	0.000%	6	235,425	0.123%	0	0.000%	191,536,686
Blueberry River	26	948,134	0.323%	4,050	0.001%	9	1,418,500	0.484%	91,128	0.031%	293,278,540
Doig River	10	56,550	0.018%	0	0.000%	1	51,100	0.016%	0	0.000%	323,069,523
Lower Beatton River	16	788,680	0.570%	172,784	0.125%	2	414,730	0.300%	0	0.000%	138,262,629
BEATTON TOTAL	99	2,935,508	0.173%	319,155	0.019%	38	4,476,369	0.264%	274,283	0.016%	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	1	6,000	0.001%			0					860,627,172
Cameron River	13	788,447	0.352%	108,829	0.049%	30	1,354,194	0.605%	198,518	0.089%	223,679,567
Lower Halfway River	6	2,523,002	1.665%	122,676	0.081%	9	5,448,688	3.596%	1,109,970	0.733%	151,526,991
HALFWAY TOTAL	21	3,817,449	0.162%	231,505	0.010%	40	6,874,882	0.291%	1,308,488	0.055%	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	0					0					737,930,022
Sukunka River	4	90,000	0.009%	0	0.000%	0					1,047,282,572
Sukunka River Total (includes Burnt)	4	90,000	0.005%	0	0.000%	0	0	0.000%	0	0.000%	1,785,212,594
Upper Pine River	1	18,000	0.001%	0	0.000%	0					1,466,884,035
Murray River	5	130,700	0.005%	0	0.000%	1	5,475	0.000%	275	0.000%	2,698,285,017
Lower Pine River	26	2,360,818	1.715%	56,394	0.041%	1	650,000	0.472%	371,122	0.270%	137,619,889
PINE TOTAL	36	2,599,518	0.043%	56,394	0.001%	2	655,475	0.011%	371,397	0.006%	6,088,001,535

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

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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 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m ³)	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m ³)
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	8	151,092	0.268%	3,883	0.007%	2	609,855	1.082%	92,957	0.165%	56,347,972
Middle Kiskatinaw Total (incl. West & East)	8	151,092	0.054%	3,883	0.001%	2	609,855	0.218%	92,957	0.033%	279,316,049
Lower Kiskatinaw River	31	1,073,288	1.197%	43,031	0.048%	12	3,223,317	3.595%	1,226,400	1.368%	89,659,847
KISKATINAW TOTAL	39	1,224,380	0.332%	46,914	0.013%	14	3,833,172	1.039%	1,319,357	0.358%	368,975,896
PEACE RIVER											
Peace Arm	0					3	9,125,000	N/A	232,697	N/A	N/A
Upper Peace River	1	590,000	0.002%	0	0.000%	1	10,000	0.000%	8,819	0.000%	36,423,413,429
Lynx Creek	0					0					30,436,635
Farrell Creek	1	79,600	0.087%	24,567	0.027%	0					91,018,843
Cache Creek	0					8	677,605	0.908%	67,988	0.091%	74,603,546
Pouce Coupe River	15	435,872	0.170%	62,037	0.024%	4	860,055	0.336%	122,144	0.048%	255,686,202
Lower Peace River	21	3,743,016	3.270%	298,625	0.261%	8	4,204,919	3.673%	701,721	0.613%	114,470,012
PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton)	233	15,425,343	0.032%	1,039,197	0.002%	118	30,717,477	0.064%	4,406,894	0.009%	47,891,853,572
SMOKY RIVER											
Smoky River	0					2	6,595	0.000%	4,424	0.000%	2,669,506,123
SMOKY TOTAL	0	0	0.000%	0	0.000%	2	6,595	0.000%	4,424	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	0.000%	0	0.000%	0	0	0.000%	0	0.000%	3,698,913,327
Lower Muskwa River	0					0					646,841,560
MUSKWA TOTAL	0	0	0.000%	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%	0	0.000%	1,470,271,289
Middle Prophet River	0	0	0.000%	255	0.000%	0					621,428,680
Middle Prophet Total (incl. Upper Prophet)	0	0	0.000%	255	0.000%	1	36,593	0.002%	0	0.000%	2,091,699,969
Lower Prophet River	1	10,000	0.004%	0	0.000%	0					272,262,427
PROPHET TOTAL	1	10,000	0.000%	255	0.000%	1	36,593	0.002%	0	0.000%	2,363,962,396

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SIKANNI CHIEF RIVER (sub-basin of Fort Nelson River)											
Upper Sikanni Chief River	5	62,000	0.008%	0	0.000%	3	3,117,689	0.386%	641,144	0.079%	807,771,692
Middle Sikanni Chief River	23	334,628	0.035%	4,596	0.000%	4	29,203	0.003%	1,116	0.000%	949,755,794
Middle Sikanni Chief Total (incl. Upper Sikanni)	28	396,628	0.023%	4,596	0.000%	7	3,146,892	0.179%	642,260	0.037%	1,757,527,486
Lower Sikanni Chief	24	229,192	0.026%	0	0.000%	0					875,678,142
SIKANNI CHIEF TOTAL	52	625,820	0.024%	4,596	0.000%	7	3,146,892	0.120%	642,260	0.024%	2,633,205,628
FORT NELSON RIVER											
Kahntah River	16	95,800	0.024%	0	0.000%	2	10,950	0.003%	2,051	0.000%	400,582,903
Fontas River	1	10,000	0.002%	0	0.000%	0					591,531,903
Fontas Total (includes Kahntah)	17	105,800	0.011%	0	0.000%	2	10,950	0.001%	2,051	0.000%	992,114,806
Klua Creek	4	20,000	0.005%	0		0					402,135,448
Upper Fort Nelson River	1	4,000	0.001%	0	0.000%	0					276,181,026
Upper Fort Nelson Total (incl. Sikanni Chief Total, Kahntah, Fontas, Klua)	74	755,620	0.018%	4,596	0.000%	9	3,157,842	0.073%	644,311	0.015%	4,303,636,908
Snake River	1	4,000	0.001%	0	0.000%	0					310,763,522
Sahtaneh River	10	33,600	0.007%	348	0.000%	0					474,904,729
Middle Fort Nelson River	0					0					515,348,901
Middle Ft Nelson Total (incl. Upper Ft. Nelson total, Muskwa Total, Prophet Total, Snake, Sahtaneh)	86	803,220	0.007%	5,199	0.000%	10	3,194,435	0.026%	644,311	0.005%	12,314,371,343
Kiwigana River	8	718,000	0.163%	754	0.000%	0					441,657,543
Lower Fort Nelson River	2	40,000	0.013%	0	0.000%	0					312,768,938
FORT NELSON TOTAL	96	1,561,220	0.012%	5,953	0.000%	10	3,194,435	0.024%	644,311	0.005%	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

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OIL AND GAS RELATED WATER LICENCES - SECTION 9

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 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m ³)	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2024 (m ³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m ³)
LIARD RIVER con't											
Middle Liard Total (incl. Upper Liard Total, Grayling, Upper Toad, Racing, Lower Toad, Beaver)	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	49,063,379,456
Capot-Blanc Creek	1	15,544	0.008%	0	0.000%	0					183,879,851
Dunedin River	0					0					820,464,167
Lower Liard River	5	47,220	0.004%	888	0.000%	0					1,236,634,664
LIARD TOTAL (incl. Fort Nelson)	102	1,623,984	0.003%	6,841	0.000%	10	3,194,435	0.005%	644,311	0.001%	64,373,155,962
PETITOT RIVER											
Sahdoanah River	8	24,000	0.010%	6,637	0.003%	0					252,625,362
Upper Petitot River	24	96,000	0.007%	5,156	0.000%	0					1,476,579,488
Tsea River	9	73,810	0.017%	1,451	0.000%	0					434,062,484
Middle Petitot River	7	55,600	0.008%	480	0.000%	0					698,562,753
Middle Petitot Total (incl. Sahdoanah, Upper Petitot, Tsea)	48	249,410	0.009%	13,724	0.000%	0	0	0.000%	0	0.000%	2,861,830,087
Lower Petitot River	0	0	0.000%	322	0.000%	0					904,314,069
PETITOT TOTAL	48	249,410	0.007%	14,046	0.000%	0	0	0.000%	0	0.000%	3,766,144,156
HAY RIVER											
Upper Kotcho River	4	20,000	0.006%	0	0.000%	0					311,519,217
Kyklo River	10	41,779	0.029%	420	0.000%	0					145,897,691
Shekilie River	22	292,400	0.065%	1,532	0.000%	0					450,747,494
Lower Kotcho River	1	6,000	0.002%	0	0.000%	0					311,519,217
Lower Kotcho Total (includes Upper Kotcho, Kyklo, Shekilie)	37	360,179	0.030%	1,952	0.000%	0	0	0.000%	0	0.000%	1,219,683,619
Hay River	6	82,150	0.015%	3,510	0.001%	0					538,672,352
HAY TOTAL	43	442,329	0.025%	5,462	0.000%	0	0	0.000%	0	0.000%	1,758,355,971
CHINCHAGA RIVER											
Chinchaga River	19	140,200	0.128%	4,603	0.004%	0					109,492,680
CHINCHAGA TOTAL	19	140,200	0.128%	4,603	0.004%	0	0	0.000%	0	0.000%	109,492,680
NORTHEAST B.C. TOTAL	445	17,881,266	0.015%	1,070,149	0.001%	130	33,918,507	0.028%	5,055,629	0.004%	120,568,508,464
Outside Northeast B.C.	170	12,485,965	N/A	1,143,806	N/A	5	46,672,793	N/A	336,270	N/A	N/A
B.C. TOTAL	615	30,367,231	N/A	2,213,955	N/A	135	80,591,300	N/A	5,391,899	N/A	N/A



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



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Image: High flow measurement and water level surveying on Blueberry River

Cover image: BCER Hydrologist conducting streamflow measurement on Doig River