



# Quarterly Oil and Gas Water Management Summary

Jan - Mar (Q1) 2025

**BCER**

BRITISH COLUMBIA ENERGY REGULATOR



This Quarterly Water Management Summary presents short-term water use and water licence data from the January to March 2025 period.

Previous annual water use reports and quarterly water management summaries are available at [bc-er.ca](http://bc-er.ca).

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Image: BCER and Doig River First Nation staff survey the water level during a trip to the Osborn River hydrometric monitoring station in northeast B.C.

## Our Role

The [British Columbia Energy Regulator](#) (BCER) oversees the full life cycle of energy resource activities in B.C., from site planning to final restoration. Our role includes the regulation of natural gas, oil, hydrogen, ammonia, methanol and renewable energy sources such as geothermal, solar and wind power.

Our authority is established by way of the [Energy Resource Activities Act](#) (ERAA) and additional legislation related to heritage conservation, roads, land and water use, forestry, and other natural resources. We work to ensure industry compliance with provincial legislation to protect public safety and the environment, support reconciliation with Indigenous peoples, conserve energy resources and foster a sound economy and social well-being.

Our employees work out of seven locations to ensure our presence near energy resource activities: Fort Nelson, Fort St. John, Dawson Creek, Terrace, Prince George, Kelowna and Victoria.

[We acknowledge and respect the many First Nations, each with unique cultures, languages, legal traditions and relationships to the land and water, on whose territories the BCER's work spans.](#)

## Vision



## 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.

# How Water is Used and Accessed

## Water Use

Water is used for various purposes in the oil and gas 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 recovery and for use in hydraulic fracturing of natural gas wells.
- **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 landowners 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 229 water use approvals in place, representing 522 withdrawal locations, held by 30 companies (Table 1).

The total water volume available for use by short-term approvals active on the last day of March was 37,419,698 m<sup>3</sup>.

A total of 90,741 m<sup>3</sup> was reported as withdrawn during the first quarter of 2025.

TABLE 1 - SHORT-TERM APPROVALS AND USE IN 2025

	End of Q1
Companies with Active Approvals	30
Active Approvals	229
Approved Withdrawal Locations	522
Volume Available for Use (m <sup>3</sup> )	37,419,698
Cumulative Volume Reported Withdrawn (m <sup>3</sup> )	90,741

**Retroactive correction:** After publication of [2024 Q4 data](#), short-term water use in the Cameron River Watershed (Halfway River Basin) was corrected to 108,829 m<sup>3</sup> (a decrease of 51,956 m<sup>3</sup>).

## Long-Term Water Use

During January to March 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 m<sup>3</sup>.

A total of 727,170 m<sup>3</sup> was reported as withdrawn during the first quarter of 2025.

TABLE 2 - LONG-TERM WATER LICENCES AND USE IN 2025

	End of Q1
Companies with Active Water Licences	39
Active Water Licences	119
Licensed Withdrawal Locations	135
Annual Volume Available for Use (m <sup>3</sup> )	80,591,300
Cumulative Volume Reported Withdrawn (m <sup>3</sup> )	727,170

A break down of short-term approvals and water licence use by BCER Water Management Basin is listed in Table 4 on page 8.

# Oil and Gas Related Water Licences

Table 3: Licences that Withdrew Water from January to March 2025

LICENCE #	LICENCEE	SOURCE	BCER WATER MGMT BASIN	ANNUAL APPROVAL (m <sup>3</sup> /YR)	WATER USE (m <sup>3</sup> )
C112155	Whitecap Resources Inc.	Peace River	Lower Peace River	1,825,000	104,602
C134112	Canadian Natural Resources Ltd. (CNRL)	Pine River	Lower Pine River	650,000	173,412
C134469	ConocoPhillips Canada	Halfway River	Lower Halfway River	3,650,000	171,973
C134471	Petronas Energy Canada Ltd.	Sikanni Chief River	Upper Sikanni Chief River	2,993,000	22,323
C500172	Secure Waste Infrastructure Corp.	Aquifer 634	Lower Peace River	36,500	2,268
C500226	Veresen Energy Pipeline Inc.	Aquifer 621	Smoky River	5,500	1,125
C500355	Ovintiv Canada ULC.	Dugout near Eight Mile Creek	Lower Peace River	90,000	27,062
C500453	Kelt Exploration (LNG) Ltd.	Aquifer 451	Cache Creek	160,235	10,399
C501076	Ovintiv Canada ULC.	Unconsolidated aquifer	Pouce Coupe River	482,000	7,827
C501120	Canlin Energy Corp.	FSJ Aquifer	Upper Beatton River	1,825	37
C501270	Black Swan Energy Ltd.	FSJ Aquifer	Upper Beatton River	6,570	2,537
C501477	TAQA North Ltd.	FSJ Aquifer	Middle Beatton River	1,095	45
C501766	T. Hartnell Enterprises Ltd.	Aquifer 633	Lower Kiskatinaw River	100,000	434
C501865	Boundry Lake Sand & Gravel	FSJ Aquifer	Lower Peace River	10,950	564
C502277	Peaceland Farm Ltd.	Aquifer 908	Lower Halfway River	360,000	2,540
C502448	CNRL	Dawson Creek Bedrock	Murray River	5,475	104
C502452	CNRL	FSJ Aquifer	Kahntah River	3,650	11
C502455	CNRL	Dawson Creek Aquifer	Smoky River	1,095	312
C502462	CNRL	FSJ Aquifer	Kahntah River	7,300	738
C502467	CNRL	FSJ Aquifer	Upper Beatton River	3,650	60
C502795	CNRL	Aquifer 451	Blueberry River	3,650	335
C502824	FortisBC Energy Inc.	Aquifer 399/Howe Snd Bedrock	Outside NEBC	584,000	6,018

Continued on next page.

At the end of March, water used by industry in northeast B.C. by way of licence was a fraction of a per cent (0.00045%) of the average runoff replenished annually in northeast B.C.

Image: Spring flow measurement at BCER Blueberry River hydrometric station.



LICENCE #	LICENCEE	SOURCE	BCER WATER MGMT BASIN	ANNUAL APPROVAL (m <sup>3</sup> /YR)	WATER USE (m <sup>3</sup> )
C502884	Peaceland Oilfield Services Ltd.	FSJ Aquifer/two unnamed streams	Cameron River	32,290	5,927
C502900	Pineview Trucking & Excavating Ltd.	Unconsolidated Aquifer	Outside NEBC	98,550	3,069
C502957	Time Travel Services Ltd.	Aquifer 928	Upper Peace River	10,000	3,908
C503023	Whitetail Dream Ranch	FSJ Aquifer/Bedrock	Blueberry River	231,410	1,413
C503048	Albright Flush Systems	Aquifer 451	Cache Creek	2,920	720
C503530	NorthRiver Midstream Energy Ltd.	Aquifer 850	Middle Kiskatinaw River	9,855	1,656
C503536	NorthRiver Midstream Energy Ltd.	Aquifer 622	Pouce Coupe	9,855	54
C504235	LNG Canada Development	Kitimat River	Outside NEBC	44,493,500	88,551
C505044	LNG Canada Development	Kitimat River	Outside NEBC	1,496,500	84,042
C505249	ConocoPhillips Canada	Aquifer 932	Cameron River	23,725	3,102

Jan-Mar (Q1) Total Licenced Water Use: 727,170 m<sup>3</sup>

TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2025, 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 <sup>3</sup> )	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m <sup>3</sup> )	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m <sup>3</sup> )
<b>BEATTON RIVER</b> (sub-basin of Peace River)											
Upper Beatton River	12	649,028	0.130%	114	0.000%	19	2,355,519	0.472%	2,634	0.001%	499,408,440
Middle Beatton River	19	321,980	0.129%	0	0.000%	1	1,095	0.000%	45	0.000%	249,152,995
<b>Middle Beatton Total (incl. Upper Beatton)</b>	<b>31</b>	<b>971,008</b>	<b>0.130%</b>	<b>114</b>	<b>0.000%</b>	<b>20</b>	<b>2,356,614</b>	<b>0.315%</b>	<b>2,679</b>	<b>0.000%</b>	<b>748,561,435</b>
Milligan Creek	8	52,000	0.027%	0	0.000%	6	235,425	0.123%	0	0.000%	191,536,686
Blueberry River	26	948,134	0.323%	445	0.000%	9	1,418,500	0.484%	1,748	0.001%	293,278,540
Doig River	1	6,000	0.002%	0	0.000%	1	51,100	0.016%	0	0.000%	323,069,523
Lower Beatton River	21	837,780	0.606%	0	0.000%	2	414,730	0.300%	0	0.000%	138,262,629
<b>BEATTON TOTAL</b>	<b>87</b>	<b>2,814,922</b>	<b>0.166%</b>	<b>559</b>	<b>0.000%</b>	<b>38</b>	<b>4,476,369</b>	<b>0.264%</b>	<b>4,427</b>	<b>0.000%</b>	<b>1,694,708,813</b>
<b>HALFWAY RIVER</b> (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
<b>Upper Halfway Total (includes Chowade)</b>	<b>1</b>	<b>500,000</b>	<b>0.045%</b>	<b>0</b>	<b>0.000%</b>	<b>1</b>	<b>72,000</b>	<b>0.006%</b>	<b>0</b>	<b>0.000%</b>	<b>1,122,989,936</b>
Graham River	2	8,400	0.001%			0					860,627,172
Cameron River	14	998,447	0.446%	0	0.000%	30	1,354,194	0.605%	9,029	0.004%	223,679,567
Lower Halfway River	8	2,526,552	1.667%	1,204	0.001%	9	5,448,688	3.596%	174,513	0.115%	151,526,991
<b>HALFWAY TOTAL</b>	<b>25</b>	<b>4,033,399</b>	<b>0.171%</b>	<b>1,204</b>	<b>0.000%</b>	<b>40</b>	<b>6,874,882</b>	<b>0.291%</b>	<b>183,542</b>	<b>0.008%</b>	<b>2,358,823,666</b>
<b>MOBERLY RIVER</b> (sub-basin of Peace River)											
Moberly River	0					0					391,714,995
<b>MOBERLY TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>391,714,995</b>
<b>PINE RIVER</b> (sub-basin of Peace River)											
Burnt River	0					0					737,930,022
Sukunka River	0					0					1,047,282,572
<b>Sukunka River Total (includes Burnt)</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>1,785,212,594</b>
Upper Pine River	1	18,000	0.001%	0	0.000%	0					1,466,884,035
Murray River	3	41,700	0.002%	0	0.000%	1	5,475	0.000%	104	0.000%	2,698,285,017
Lower Pine River	24	1,250,818	0.909%	183	0.000%	1	650,000	0.472%	173,412	0.126%	137,619,889
<b>PINE TOTAL</b>	<b>28</b>	<b>1,310,518</b>	<b>0.022%</b>	<b>183</b>	<b>0.000%</b>	<b>2</b>	<b>655,475</b>	<b>0.011%</b>	<b>173,516</b>	<b>0.003%</b>	<b>6,088,001,535</b>

**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 WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m <sup>3</sup> )	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m <sup>3</sup> )	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m <sup>3</sup> )
<b>KISKATINAW RIVER</b> (sub-basin of Peace River)											
West Kiskatinaw River	0					0					117,515,115
East Kiskatinaw River	0					0					105,452,962
Middle Kiskatinaw River	11	202,642	0.360%	616	0.001%	2	609,855	1.082%	1,656	0.003%	56,347,972
<b>Middle Kiskatinaw Total (incl. West &amp; East)</b>	<b>11</b>	<b>202,642</b>	<b>0.073%</b>	<b>616</b>	<b>0.000%</b>	<b>2</b>	<b>609,855</b>	<b>0.218%</b>	<b>1,656</b>	<b>0.001%</b>	<b>279,316,049</b>
Lower Kiskatinaw River	31	6,270,302	6.993%	19,968	0.022%	12	3,223,317	3.595%	434	0.000%	89,659,847
<b>KISKATINAW TOTAL</b>	<b>42</b>	<b>6,472,944</b>	<b>1.754%</b>	<b>20,584</b>	<b>0.006%</b>	<b>14</b>	<b>3,833,172</b>	<b>1.039%</b>	<b>2,090</b>	<b>0.001%</b>	<b>368,975,896</b>
<b>PEACE RIVER</b>											
Peace Arm	0					3	9,125,000	N/A	0	N/A	N/A
Upper Peace River	1	590,000	0.002%	0	0.000%	1	10,000	0.000%	3,908	0.000%	36,423,413,429
Lynx Creek	0					0					30,436,635
Farrell Creek	1	79,600	0.087%	0	0.000%	0					91,018,843
Cache Creek	0					8	677,605	0.908%	11,119	0.015%	74,603,546
Pouce Coupe River	14	451,556	0.177%	1,405	0.001%	4	860,055	0.336%	7,881	0.003%	255,686,202
Lower Peace River	21	9,118,096	7.965%	4,711	0.004%	8	4,204,919	3.673%	134,497	0.117%	114,470,012
<b>PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton)</b>	<b>219</b>	<b>24,871,035</b>	<b>0.052%</b>	<b>28,646</b>	<b>0.000%</b>	<b>118</b>	<b>30,717,477</b>	<b>0.064%</b>	<b>520,980</b>	<b>0.001%</b>	<b>47,891,853,572</b>
<b>SMOKY RIVER</b>											
Smoky River	3	27,000	0.001%			2	6,595	0.000%	1,437	0.000%	2,669,506,123
<b>SMOKY TOTAL</b>	<b>3</b>	<b>27,000</b>	<b>0.001%</b>	<b>0</b>	<b>0.000%</b>	<b>2</b>	<b>6,595</b>	<b>0.000%</b>	<b>1,437</b>	<b>0.000%</b>	<b>2,669,506,123</b>
<b>MUSKWA RIVER</b> (sub-basin of Fort Nelson River)											
Upper Muskwa River	0					0					1,725,201,511
Middle Muskwa River	0					0					1,973,711,816
<b>Middle Muskwa Total (incl. Upper Muskwa)</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>3,698,913,327</b>
Lower Muskwa River	0					0					646,841,560
<b>MUSKWA TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>4,345,754,887</b>
<b>PROPHET RIVER</b> (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	1	2,000	0.000%	419	0.000%	0					621,428,680
<b>Middle Prophet Total (incl. Upper Prophet)</b>	<b>1</b>	<b>2,000</b>	<b>0.000%</b>	<b>419</b>	<b>0.000%</b>	<b>1</b>	<b>36,593</b>	<b>0.002%</b>	<b>0</b>	<b>0.000%</b>	<b>2,091,699,969</b>
Lower Prophet River	0					0					272,262,427
<b>PROPHET TOTAL</b>	<b>1</b>	<b>2,000</b>	<b>0.000%</b>	<b>419</b>	<b>0.000%</b>	<b>1</b>	<b>36,593</b>	<b>0.002%</b>	<b>0</b>	<b>0.000%</b>	<b>2,363,962,396</b>

**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 <sup>3</sup> )	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m <sup>3</sup> )	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m <sup>3</sup> )
<b>SIKANNI CHIEF RIVER</b> (sub-basin of Fort Nelson River)											
Upper Sikanni Chief River	5	62,000	0.008%	0	0.000%	3	3,117,689	0.386%	22,323	0.003%	807,771,692
Middle Sikanni Chief River	24	335,128	0.035%	4,903	0.001%	4	29,203	0.003%	0	0.000%	949,755,794
<b>Middle Sikanni Chief Total (incl. Upper Sikanni)</b>	<b>29</b>	<b>397,128</b>	<b>0.023%</b>	<b>4,903</b>	<b>0.001%</b>	<b>7</b>	<b>3,146,892</b>	<b>0.179%</b>	<b>22,323</b>	<b>0.001%</b>	<b>1,757,527,486</b>
Lower Sikanni Chief	18	193,268	0.022%	0	0.000%	0					875,678,142
<b>SIKANNI CHIEF TOTAL</b>	<b>47</b>	<b>590,396</b>	<b>0.022%</b>	<b>4,903</b>	<b>0.000%</b>	<b>7</b>	<b>3,146,892</b>	<b>0.120%</b>	<b>22,323</b>	<b>0.001%</b>	<b>2,633,205,628</b>
<b>FORT NELSON RIVER</b>											
Kahntah River	16	95,800	0.024%	0	0.000%	2	10,950	0.003%	749	0.000%	400,582,903
Fontas River	0	0	0.000%	0	0.000%	0					591,531,903
<b>Fontas Total (includes Kahntah)</b>	<b>16</b>	<b>95,800</b>	<b>0.010%</b>	<b>0</b>	<b>0.000%</b>	<b>2</b>	<b>10,950</b>	<b>0.001%</b>	<b>749</b>	<b>0.000%</b>	<b>992,114,806</b>
Klua Creek	4	20,000	0.005%	970		0					402,135,448
Upper Fort Nelson River	1	4,000	0.001%	0	0.000%	0					276,181,026
<b>Upper Fort Nelson Total (incl. Sikanni Chief Total, Kahntah, Fontas, Klua)</b>	<b>68</b>	<b>710,196</b>	<b>0.017%</b>	<b>5,873</b>	<b>0.000%</b>	<b>9</b>	<b>3,157,842</b>	<b>0.073%</b>	<b>23,072</b>	<b>0.001%</b>	<b>4,303,636,908</b>
Snake River	1	4,000	0.001%	0	0.000%	0					310,763,522
Sahtaneh River	5	24,500	0.005%	926	0.000%	0					474,904,729
Middle Fort Nelson River	0					0					515,348,901
<b>Middle Ft Nelson Total (incl. Upper Ft. Nelson total, Muskwa Total, Prophet Total, Snake, Sahtaneh)</b>	<b>75</b>	<b>740,696</b>	<b>0.006%</b>	<b>7,218</b>	<b>0.000%</b>	<b>10</b>	<b>3,194,435</b>	<b>0.026%</b>	<b>23,072</b>	<b>0.000%</b>	<b>12,314,371,343</b>
Kiwigana River	5	24,300	0.006%	1,677	0.000%	0					441,657,543
Lower Fort Nelson River	7	82,000	0.026%	0	0.000%	0					312,768,938
<b>FORT NELSON TOTAL</b>	<b>87</b>	<b>846,996</b>	<b>0.006%</b>	<b>8,895</b>	<b>0.000%</b>	<b>10</b>	<b>3,194,435</b>	<b>0.024%</b>	<b>23,072</b>	<b>0.000%</b>	<b>13,068,797,824</b>
<b>LIARD RIVER</b>											
Muncho River	0					0					551,551,360
Upper Liard River	0					0					33,125,817,465
<b>Upper Liard Total (incl. Muncho)</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>33,677,368,825</b>
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

**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 <sup>3</sup> )	TOTAL VOLUME APPROVED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER OF LICENCED WITHDRAWAL LOCATIONS	TOTAL VOLUME LICENCED (m <sup>3</sup> )	TOTAL VOLUME LICENCED AS % OF MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2025 (m <sup>3</sup> )	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m <sup>3</sup> )
<b>LIARD RIVER</b> con't											
<b>Middle Liard Total (incl. Upper Liard Total, Grayling, Upper Toad, Racing, Lower Toad, Beaver)</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>49,063,379,456</b>
Capot-Blanc Creek	5	44,000	0.024%	0	0.000%	0					183,879,851
Dunedin River	0					0					820,464,167
Lower Liard River	12	189,000	0.015%	1,596	0.000%	0					1,236,634,664
<b>LIARD TOTAL (incl. Fort Nelson)</b>	<b>104</b>	<b>1,079,996</b>	<b>0.002%</b>	<b>10,491</b>	<b>0.000%</b>	<b>10</b>	<b>3,194,435</b>	<b>0.005%</b>	<b>23,072</b>	<b>0.000%</b>	<b>64,373,155,962</b>
<b>PETITOT RIVER</b>											
Sahdoanah River	8	24,000	0.010%	1,058	0.000%	0					252,625,362
Upper Petitot River	24	96,000	0.007%	1,821	0.000%	0					1,476,579,488
Tsea River	9	73,810	0.017%	472	0.000%	0					434,062,484
Middle Petitot River	7	55,600	0.008%	884	0.000%	0					698,562,753
<b>Middle Petitot Total (incl. Sahdoanah, Upper Petitot, Tsea)</b>	<b>48</b>	<b>249,410</b>	<b>0.009%</b>	<b>4,235</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>2,861,830,087</b>
Lower Petitot River	7	67,500	0.007%	228	0.000%	0					904,314,069
<b>PETITOT TOTAL</b>	<b>55</b>	<b>316,910</b>	<b>0.008%</b>	<b>4,463</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>3,766,144,156</b>
<b>HAY RIVER</b>											
Upper Kotcho River	4	20,000	0.006%	0	0.000%	0					311,519,217
Kyklo River	0					0					145,897,691
Shekilie River	22	292,400	0.065%	189	0.000%	0					450,747,494
Lower Kotcho River	0					0					311,519,217
<b>Lower Kotcho Total (includes Upper Kotcho, Kyklo, Shekilie)</b>	<b>26</b>	<b>312,400</b>	<b>0.026%</b>	<b>189</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>1,219,683,619</b>
Hay River	25	178,150	0.033%	9,466	0.002%	0					538,672,352
<b>HAY TOTAL</b>	<b>51</b>	<b>490,550</b>	<b>0.028%</b>	<b>9,655</b>	<b>0.001%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>1,758,355,971</b>
<b>CHINCHAGA RIVER</b>											
Chinchaga River	0					0					109,492,680
<b>CHINCHAGA TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0</b>	<b>0.000%</b>	<b>0</b>	<b>0.000%</b>	<b>109,492,680</b>
<b>NORTHEAST B.C. TOTAL</b>	<b>432</b>	<b>26,785,491</b>	<b>0.022%</b>	<b>53,255</b>	<b>0.000%</b>	<b>130</b>	<b>33,918,507</b>	<b>0.028%</b>	<b>545,489</b>	<b>0.000%</b>	<b>120,568,508,464</b>
Outside Northeast B.C.	90	10,634,207	N/A	37,486	N/A	5	46,672,793	N/A	181,680	N/A	N/A
<b>B.C. TOTAL</b>	<b>522</b>	<b>37,419,698</b>	<b>N/A</b>	<b>90,741</b>	<b>N/A</b>	<b>135</b>	<b>80,591,300</b>	<b>N/A</b>	<b>727,170</b>	<b>N/A</b>	<b>N/A</b>



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Annual water reports and quarterly updates are available on the BCER website at [bc-er.ca/data-reports](http://bc-er.ca/data-reports).

For questions regarding this report or for digital data files, please contact [Communications@bc-er.ca](mailto:Communications@bc-er.ca).



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