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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

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.

Values

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).

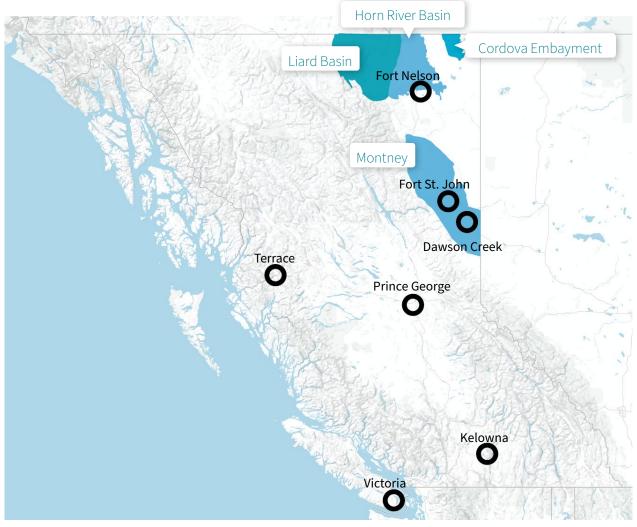
We regulate energy resources through the Energy Resource Activities Act (ERAA) and other associated laws related to heritage conservation, roads, land and water use, forestry, and other natural resources. We work closely with land owners, rights holders, local government, industry, academia and other 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.



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.

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 January to March there were 246 water use approvals in place, representing 653 withdrawal locations, held by 37 companies (Table 1).

The total water volume available for use by short-term approvals active on the last day of March was 29,753,303 m³.

A total of 670,298 m³ was reported as withdrawn during the first quarter of 2024.

| TABLE 1 - SHORT-TERM APPROVALS AND USE IN 2024 | End of Q1 |
|--|------------|
| Companies with Active Approvals | 37 |
| · | 9. |
| Active Approvals | 246 |
| Approved Withdrawal Locations | 653 |
| Volume Available for Use (m³) | 29,753,303 |

670.298

Cumulative Volume Reported Withdrawn (m³)

Long-Term Water Use

During January to March there were 115 active oil and gas related water licences, representing 131 withdrawal locations, held by 36 companies (Table 2).

The total annual volume available for use by water licences was 80,335,180 m³.

A total of 1,199,508 m³ was reported as withdrawn during the first quarter of 2024.

| TABLE 2 - LONG-TERM | | | | | |
|---|------------|--|--|--|--|
| WATER LICENCES AND USE IN 2024 | End of Q | | | | |
| Companies with Active Water Licences | 36 | | | | |
| Active Water Licences | 115 | | | | |
| Licenced Withdrawal Locations | 131 | | | | |
| Annual Volume Available for Use (m³) | 80,335,180 | | | | |
| Cumulative Volume Reported Withdrawn (m³) | 1,199,508 | | | | |

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

Total water volumes withdrawn outside of northeast B.C. were higher than average during Q1 due to construction activities associated with major projects. Additional withdrawal data is now included in Table 4; a new subtotal line provides volumes withdrawn outside of the northeast, followed by a province-wide total.

Oil and Gas Related Water Licences

Table 3: Licences that Withdrew Water from January to March 2024

| LICENCE # | LICENCEE | SOURCE | BCER WATER MGMT BASIN | ANNUAL APPROVAL (m³/YR) | WATER USE (m³) |
|-----------|------------------------------|----------------------------|--------------------------|----------------------------|-------------------|
| C112155 | Whitecap Resources Inc. | Peace River | Lower Peace River | 1,825,000 | 141,077 |
| C133847 | Petronas Energy Canada | Unnamed Stream | Cameron River | 7,374 | 120 |
| C133955 | Ovintiv Canada ULC | Peace River | Lower Peace River | 750,000 | 226,037 |
| C134110 | Petronas Energy Canada | Unnamed Stream | Cameron River | 79,045 | 1,688 |
| C134469 | ConocoPhillips Canada | Halfway River | Lower Halfway River | 3,650,000 | 179,832 |
| C134471 | Petronas Energy Canada | Sikanni Chief River | Upper Sikanni Chief | 2,993,000 | 245,955 |
| C500172 | Secure Energy Services | Aquifer 634 | Lower Peace River | 36,500 | 3,990 |
| C500226 | Veresen Energy Pipeline Inc. | Aquifer 621 | Smoky River | 5,500 | 1,028 |
| C500335 | Petronas Energy Canada | FSJ Aquifer | Upper Beatton River | 13,670 | 496 |
| C500345 | Ovintiv Canada ULC | Unnamed Stream | Lower Kiskatinaw River | 102,100 | 51,140 |
| C500355 | Ovintiv Canada ULC | Dugout nr Eight Mile Creek | Lower Peace River | 90,000 | 51,531 |
| C500453 | Kelt Exploration | Aquifer 451 | Cache Creek | 160,235 | 17,791 |
| C500530 | Petronas Energy Canada | FSJ Aquifer | Upper Beatton River | 83,950 | 446 |
| C500794 | Petronas Energy Canada | FSJ Aquifer | Upper Beatton River | 6,924 | 1,190 |
| C501028 | Ovintiv Canada ULC | Dawson Creek Aquifer | Pouce Coupe River | 168,200 | 717 |
| C501120 | Canlin Energy Corp. | FSJ Aquifer | Upper Beatton River | 1,825 | 4 |
| C501477 | TAQA North Ltd. | FSJ Aquifer | Middle Beatton River | 1,095 | 45 |
| C501507 | Ovintiv Canada ULC | Aquifer 622 | Pouce Coupe River | 200,000 | 205 |
| C501766 | T. Hartnell Enterprises Ltd. | Aquifer 633 | Lower Kiskatinaw River | 100,000 | 20,965 |
| C501865 | Boundry Lake Sand & Gravel | FSJ Aquifer | Lower Peace River | 10,950 | 188 |
| C502249 | Canadian Natural Resources | FSJ Aquifer | Cameron River | 170,000 | 56,018 |
| C502299 | ARC Resources Ltd. | Halfway River | Lower Halfway River | 1,250,000 | 73,770 |

Continued on next page.



| LICENCE # | LICENCEE | SOURCE | BCER WATER MGMT BASIN | ANNUAL APPROVAL (m³/YR) | WATER USE (m³) |
|-----------|----------------------------|------------------------|--------------------------|----------------------------|-------------------|
| C502448 | Canadian Natural Resources | Dawson Creek Bedrock | Murray River | 5,475 | 87 |
| C502455 | Canadian Natural Resources | Dawson Creek Aquifer | Smoky River | 1,095 | 304 |
| C502462 | Canadian Natural Resources | FSJ Aquifer | Kahntah River | 7,300 | 625 |
| C502467 | Canadian Natural Resources | FSJ Aquifer | Upper Beatton River | 3,650 | 54 |
| C502795 | Canadian Natural Resources | Aquifer 451 | Blueberry River | 3,650 | 327 |
| C502900 | Pineview Trucking & | Unconsolidated Aquifer | Outside NEBC | 98,550 | 388 |
| | Excavating Ltd. | | | | |
| C502957 | Time Travel Services Ltd. | Aquifer 928 | Upper Peace River | 10,000 | 4,409 |
| C503048 | Albright Flush Systems | Aquifer 451 | Cache Creek | 2,920 | 728 |
| C503088 | Inga Water Source Ltd. | Aquifer 451 | Cache Creek | 21,170 | 1,254 |
| C503155 | Inga Water Source Ltd. | Aquifer 451 | Cache Creek | 76,285 | 18,311 |
| C503608 | 734554 Alberta Ltd. | Loewen Creek | Cameron River | 21,855 | 13,547 |
| C505044 | LNG Canada Development | Kitimat River | Outside NEBC | 1,496,500 | 81,997 |
| C505249 | ConocoPhillips Canada | Aquifer 932 | Cameron River | 23,725 | 3,237 |

Jan-Mar (Q1) Total Licenced Water Use: 1,199,508

TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2024,

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) | NUMBER OF APPROVED | | TOTAL VOLUME APPROVED AS % | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | NUMBER OF LICENCED | VOLUME | TOTAL VOLUME LICENCED AS % OF MEAN | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | MEAN ANNUAL |
|--|-------------------------|-------------------------------|-------------------------------|---------------------------|---|------------------------|-----------------|--|---------------------------|---|----------------|
| MAJOR and Sub-Basin Name | WITHDRAWAL LOCATIONS | TOTAL VOLUME APPROVED (m³) | OF MEAN ANNUAL RUNOFF | WITHDRAWN IN 2024 (m³) | ANNUAL RUNOFF | WITHDRAWA LOCATIONS | L LICENCED (m³) | ANNUAL RUNOFF | WITHDRAWN IN 2024 (m³) | ANNUAL RUNOFF | RUNOFF (m³) |
| BEATTON RIVER (sub-basin of Peace River) | | | | | | | | | | | |
| Upper Beatton River | 20 | 761,008 | 0.152% | 2,850 | 0.001% | 19 | 2,355,519 | 0.472% | 2,191 | 0.000% | 499,408,440 |
| Middle Beatton River | 26 | 385,996 | 0.155% | 483 | 0.000% | 1 | 1,095 | 0.000% | 46 | 0.000% | 249,152,995 |
| Middle Beatton Total (incl. Upper Beatton) | 46 | 1,147,004 | 0.153% | 3,333 | 0.000% | 20 | 2,356,614 | 0.315% | 2,237 | 0.000% | 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 | 19 | 653,112 | 0.223% | 3,190 | 0.001% | 8 | 1,187,090 | 0.405% | 327 | 0.000% | 293,278,540 |
| Doig River | 13 | 80,550 | 0.025% | 0 | 0.000% | 1 | 51,100 | 0.016% | 0 | 0.000% | 323,069,523 |
| Lower Beatton River | 16 | 788,680 | 0.570% | 3,420 | 0.002% | 2 | 414,730 | 0.300% | 0 | 0.000% | 138,262,629 |
| BEATTON TOTAL | 101 | 2,712,346 | 0.160% | 9,943 | 0.001% | 37 | 4,244,959 | 0.250% | 2,564 | 0.000% | 1,694,708,813 |
| HALFWAY RIVER (sub-basin of Peace River) | | | | | | | | | | | |
| Chowade River | 0 | | | | | 0 | | | | | 327,027,527 |
| Upper Halfway River | 0 | | | | | 1 | 72,000 | 0.009% | 0 | 0.000% | 795,962,409 |
| Upper Halfway Total (includes Chowade) | 0 | 0 | 0.000% | 0 | 0.000% | 1 | 72,000 | 0.006% | 0 | 0.000% | 1,122,989,936 |
| Graham River | 1 | 2,400 | 0.000% | 0 | 0.000% | 0 | | | | | 860,627,172 |
| Cameron River | 6 | 747,258 | 0.334% | 0 | 0.000% | 30 | 1,354,194 | 0.605% | 74,611 | 0.033% | 223,679,567 |
| Lower Halfway River | 6 | 2,527,042 | 1.668% | 0 | 0.000% | 9 | 5,448,688 | 3.596% | 253,602 | 0.167% | 151,526,991 |
| HALFWAY TOTAL | 13 | 3,276,700 | 0.139% | 0 | 0.000% | 40 | 6,874,882 | 0.291% | 328,213 | 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 | 2 | 69,001 | 0.009% | 0 | 0.000% | 0 | | | | | 737,930,022 |
| Sukunka River | 7 | 210,000 | 0.020% | 0 | 0.000% | 0 | | | | | 1,047,282,572 |
| Sukunka River Total (includes Burnt) | 9 | 279,001 | 0.016% | 0 | 0.000% | 0 | 0 | 0.000% | 0 | 0.000% | 1,785,212,594 |
| Upper Pine River | 0 | | | | | 0 | | | | | 1,466,884,035 |
| Murray River | 9 | 218,052 | 0.008% | 0 | 0.000% | 1 | 5,475 | 0.000% | 87 | 0.000% | 2,698,285,017 |
| Lower Pine River | 26 | 2,360,818 | 1.715% | 2,220 | 0.002% | 1 | 650,000 | 0.472% | 0 | 0.000% | 137,619,889 |
| PINE TOTAL | 44 | 2,857,871 | 0.047% | 2,220 | 0.000% | 2 | 655,475 | 0.011% | 87 | 0.000% | 6,088,001,535 |

| SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND | OIL AND GAS RELATED SHORT |
|---|---------------------------|
| GAS ACTIVITIES IN 2024, ORGANIZED BY BCER WATER | |

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

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|--------|-----------|-------------|------------|-----------|
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| GAS ACTIVITIES IN 2024, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 2 of 4) | NUMBER OF APPROVED | | TOTAL VOLUME APPROVED AS % | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | NUMBER OF LICENCED | TOTAL VOLUME | TOTAL VOLUME LICENCED AS % OF MEAN | TOTAL VOLUME | TOTAL VOLUM WITHDRAWN AS % of MEA | l MEAN |
|--|-------------------------|--------------|-------------------------------|--|---|------------------------|-----------------|--|--|---|----------------|
| MAJOR and Sub-Basin Name | WITHDRAWAL LOCATIONS | TOTAL VOLUME | OF MEAN ANNUAL RUNOFF | WITHDRAWN IN 2024 (m ³) | ANNUAL RUNOFF | WITHDRAWA LOCATIONS | L LICENCED | ANNUAL RUNOFF | WITHDRAWN IN 2024 (m ³) | ANNUAL RUNOFF | RUNOFF (m³) |
| 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 | 7 | 139,892 | 0.248% | 0 | 0.000% | 1 | 600,000 | 1.065% | 0 | 0.000% | 56,347,972 |
| Middle Kiskatinaw Total (incl. West & East) | 7 | 139,892 | 0.050% | 0 | 0.000% | 1 | 600,000 | 0.215% | 0 | 0.000% | 279,316,049 |
| Lower Kiskatinaw River | 35 | 1,239,931 | 1.383% | 17,219 | 0.019% | 11 | 3,218,317 | 3.589% | 72,105 | 0.080% | 89,659,847 |
| KISKATINAW TOTAL | 42 | 1,379,823 | 0.374% | 17,219 | 0.005% | 12 | 3,818,317 | 1.035% | 72,105 | 0.020% | 368,975,896 |
| PEACE RIVER | | | | | | | | | | | |
| 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% | 4,409 | 0.000% | 36,423,413,429 |
| Lynx Creek | 0 | | | | | 0 | | | | | 30,436,635 |
| Farrell Creek | 1 | 79,600 | 0.087% | 4,070 | 0.004% | 0 | | | | | 91,018,843 |
| Cache Creek | 0 | | | | | 8 | 677,605 | 0.908% | 38,085 | 0.051% | 74,603,546 |
| Pouce Coupe River | 14 | 416,016 | 0.163% | 18,100 | 0.007% | 3 | 850,200 | 0.333% | 922 | 0.000% | 255,686,202 |
| Lower Peace River | 19 | 2,554,396 | 2.231% | 11,538 | 0.010% | 8 | 4,204,919 | 3.673% | 422,823 | 0.369% | 114,470,012 |
| PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton) | 235 | 13,866,752 | 0.029% | 63,090 | 0.000% | 114 | 30,461,357 | 0.064% | 869,208 | 0.002% | 47,891,853,572 |
| SMOKY RIVER | | | | | | | | | | | ' |
| Smoky River | 0 | | | | | 2 | 6,595 | 0.000% | 1,333 | 0.000% | 2,669,506,123 |
| SMOKY TOTAL | 0 | 0 | 0.000% | 0 | 0.000% | 2 | 6,595 | 0.000% | 1,333 | 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 | 3 | 1,600 | 0.000% | 255 | 0.000% | 0 | | | | | 621,428,680 |
| Middle Prophet Total (incl. Upper Prophet) | 3 | 1,600 | 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 | 4 | 11,600 | 0.000% | 255 | 0.000% | 1 | 36,593 | 0.002% | 0 | 0.000% | 2,363,962,396 |

Table: pg 2 of 4

| 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 2024, 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 (LICENCEI |) VOLUME | TOTAL VOLUME LICENCED AS % OF MEAN | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | MEAN ANNUAL | | |
| MAJOR and Sub-Basin Name | WITHDRAWAL LOCATIONS | TOTAL VOLUME APPROVED (m³) | OF MEAN ANNUAL RUNOFF | WITHDRAWN IN 2024 (m³) | ANNUAL RUNOFF | WITHDRAW LOCATION | | ANNUAL RUNOFF | WITHDRAWN IN 2024 (m³) | ANNUAL RUNOFF | RUNOFF (m³) | | |
| 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% | 245,956 | 0.030% | 807,771,692 | | |
| Middle Sikanni Chief River | 23 | 334,628 | 0.035% | 4,281 | 0.000% | 4 | 29,203 | 0.003% | 0 | 0.000% | 949,755,794 | | |
| Middle Sikanni Chief Total (incl. Upper Sikanni) | 28 | 396,628 | 0.023% | 4,281 | 0.000% | 7 | 3,146,892 | 0.179% | 245,956 | 0.014% | 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% | 4,281 | 0.000% | 7 | 3,146,892 | 0.120% | 245,956 | 0.009% | 2,633,205,628 | | |
| FORT NELSON RIVER | | | | | | | | | | | | | |
| Kahntah River | 16 | 95,800 | 0.024% | 0 | 0.000% | 2 | 10,950 | 0.003% | 626 | 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% | 626 | 0.000% | 992,114,806 | | |
| Klua Creek | 0 | | | | | 0 | | | | | 402,135,448 | | |
| Upper Fort Nelson River | 1 | 4,000 | 0.001% | 0 | 000.0% | 0 | | | | | 276,181,026 | | |
| Upper Fort Nelson Total (incl. Sikanni Chief Tota | l, 70 | 735,620 | 0.017% | 4,281 | 0.000% | 9 | 3,157,842 | 0.073% | 246,582 | 0.006% | 4,303,636,908 | | |
| Kahntah, Fontas, Klua) | | | | | | | | | | | | | |
| 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, | 85 | 784,822 | 0.006% | 4,884 | 0.000% | 10 | 3,194,435 | 0.026% | 246,582 | 0.002% | 12,314,371,343 | | |
| Muskwa Total, Prophet Total, Snake, Sahtaneh) | | | | | | | | | | | | | |
| Kiwigana River | 10 | 721,150 | 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 | 97 | 1,545,970 | 0.012% | 5,638 | 0.000% | 10 | 3,194,435 | 0.024% | 246,582 | 0.000% | 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 | | | | | U | | | | | 10,862,659,426 | | |
| Middle Liard River | 0 | | | | | U | | | | | 463,652,312 | | |

| 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 2024, ORGANIZED BY BCER WATER MANAGEMENT BASIN (Page 4 of 4) | NUMBER OF APPROVED | | TOTAL VOLUME APPROVED AS % | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | NUMBER LICENCE | | TOTAL VOLUME LICENCED AS % OF MEAN | TOTAL VOLUME | TOTAL VOLUME WITHDRAWN AS % OF MEAN | MEAN | |
| MAJOR and Sub-Basin Name | WITHDRAWAL LOCATIONS | TOTAL VOLUME APPROVED (m³) | OF MEAN ANNUAL RUNOFF | WITHDRAWN IN 2024 (m ³) | ANNUAL RUNOFF | WITHDRA' LOCATIO | WAL LICENCED | ANNUAL RUNOFF | WITHDRAWN IN 2024 (m ³) | ANNUAL RUNOFF | RUNOFF (m³) | |
| LIARD RIVER con't | | | | | | | | | | | | |
| 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 | |
| Upper Toad, Racing, Lower Toad, Beaver) | | | | | | | | | | | | |
| Capot-Blanc Creek | 1 | 15,544 | 0.008% | 0 | 0.000% | 0 | | | | | 183,879,851 | |
| Dunedin River | 0 | 0 | 0.001% | 0 | 0.000% | 0 | | | | | 820,464,167 | |
| Lower Liard River | 4 | 44,220 | 0.004% | 0 | 0.000% | 0 | | | | | 1,236,634,664 | |
| LIARD TOTAL (incl. Fort Nelson) | 102 | 1,605,734 | 0.002% | 5,638 | 0.000% | 10 | 3,194,435 | 0.005% | 246,582 | 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 | 26 | 120,000 | 0.008% | 5,156 | 0.000% | 0 | | | | | 1,476,579,488 | |
| Tsea River | 11 | 114,310 | 0.026% | 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, | 52 | 313,910 | 0.011% | 13,724 | 0.000% | 0 | 0 | 0.000% | 0 | 0.000% | 2,861,830,087 | |
| Upper Petitot, Tsea) | | | | | | | | | | | | |
| Lower Petitot River | 1 | 500 | 0.000% | 322 | 0.000% | 0 | | | | | 904,314,069 | |
| PETITOT TOTAL | 53 | 314,410 | 0.008% | 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 | 4 | 54,300 | 0.010% | 3,510 | 0.001% | 0 | | | | | 538,672,352 | |
| HAY TOTAL | 41 | 414,479 | 0.024% | 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 | 450 | 16,341,575 | 0.014% | 92,839 | 0.000% | 126 | 33,662,387 | 0.028% | 1,117,123 | 0.001% | 120,568,508,464 | |
| Outside Northeast B.C. | 203 | 13,411,728 | N/A | 577,459 | N/A | 5 | 46,672,793 | N/A | 82,385 | N/A | N/A | |
| B.C. TOTAL | 653 | 29,753,303 | N/A | 670,298 | N/A | 131 | 80,335,180 | N/A | 1,199,508 | N/A | N/A | |



PREVIOUS REPORTS

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 <u>Communications@bc-er.ca</u>.



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