

Quarterly Oil and Gas BCOIL & Gas COMMISSION Water Management Summary

Second Quarter 2021 (Apr - Jun)





PURPOSE

This *Quarterly Oil and Gas Water Management Summary* presents short-term water use and water licence data from the Q2 April to June 2021 period.

Previous annual water use reports and quarterly water management summaries are available on the BC Oil and Gas Commission website at <u>www.bcogc.ca</u>.

TABLE OF CONTENTS

ROLE OF THE BC OIL AND GAS COMMISSION	
HOW WATER IS USED	
HOW WATER IS ACCESSED	
SHORT-TERM WATER APPROVAL AND USE	
TABLE 1 - SUMMARY OF SHORT-TERM APPROVAL AND USE FOR OIL AND GAS ACTIVITIES FROM JANUARY TO JUNE 2021	
LONG-TERM WATER LICENCES AND USE	
TABLE 2 - SUMMARY OF WATER LICENCE AND USE FOR OIL AND GAS ACTIVITIES FROM JANUARY TO JUNE 2021	
TABLE 3 - OIL AND GAS RELATED WATER LICENCES THAT WITHDREW WATER IN 2021	
TABLE 4: SUMMARY OF WATER ALLOCATION AND USE	
FOR OIL AND GAS ACTIVITIES IN 2021, ORGANIZED	
RY OGC WATER MANAGEMENT RASIN	

Role of the

BC OIL AND GAS COMMISSION

he <u>BC Oil and Gas Commission</u> (Commission) is the provincial regulatory agency with responsibilities for regulating oil, gas and geothermal activities in British Columbia, including exploration, development, pipeline transportation and reclamation. We protect public safety and safeguard the environment while balancing a broad range of environmental, economic, and social considerations.

The Commission is responsible for reviewing, assessing, and making decisions on water authorizations from both surface and subsurface water sources. The Commission has the expertise and tools to make informed water allocation decisions and protecting and maintaining environmental and community water needs are its first priorities.

From exploration through to final reclamation, we respect those affected by oil and gas activities, cooperating with partner agencies while working closely with communities, First Nations, and land owners, and confirming industry compliance with provincial legislation. We are committed to advancing reconciliation and establishing close working relationships with Indigenous peoples throughout the energy life cycle.



HOW WATER IS USED

Water is used for various purposes in the oil and gas industry.



The largest use of water for oil and gas activities is for hydraulic fracturing.

However, water is used for other purposes, such as:



Seismic or geophysical exploration

Drilling

Machine washing

Dust control

Water floods (to enhance oil recovery)

Ice road freezing

Hydrostatic testing of pipelines

HOW WATER IS ACCESSED

here 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. The Commission has staff designated as Regional Water Managers with authority for issuing and administering 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 Commission.
- Water source wells authorized by the Commission under the Oil and Gas Activities Act (OGAA). Water source wells are a specific type of well where the water withdrawn is intended for injection into an underground formation 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.

The oil and gas industry can access water by means outside of regulatory oversight:



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

SHORT-TERM WATER APPROVAL AND USE

During the second quarter of 2021, there were 341 short-term water use approvals in place, representing 934 withdrawal locations, held by 43 companies (Table 1).

The total water volume associated with short-term approvals active on the last day of the second quarter was 21,625,702 m³.

A total of 684,003 m³ was reported as withdrawn by oil and gas operators in the first half of 2021.

LONG-TERM WATER LICENCES AND USE

During the second quarter of 2021, there were 108 active oil and gas related water licences, representing 113 withdrawal locations, held by 30 companies (Table 2).

The total annual volume available for use for water licences was 33,310,740 m³.

A total of 1,843,310 m³ of licenced water was reported withdrawn in the first half of 2021. Companies with active withdrawals in Q2 are listed in Table 3.

TABLE 1 - SUMMARY OF SHORT-TERM APPROVAL AND USE FOR									
OIL AND (GAS ACTIVITIES FROM JANUARY TO JUNE 2021	Q1	Q2						
	Companies with Active Approvals	48	43						
SHORT- TERM	Active Approvals	300	341						
	Approved Withdrawal locations	974	934						
	Volume Available for Use (m ³)	20,621,144	21,625,702						
	Cumulative Volume Reported Withdrawn (m ³)	284,797	684,003						

A break-down of short-term water approval and use by OGC Water Management Basin is listed in Table 4.

TABLE 2 - SUMMARY OF WATER LICENCE AND USE FOR OIL AND GASACTIVITIES FROM JANUARY TO JUNE 2021Q1Q2								
	Companies with Active Water Licences	29	30					
WATER LICENCE	Active Water Licences	103	108					
	Licenced Withdrawal Locations	108	113					
	Annual Volume Available for Use for Water Licences (m ³)	32,932,555	33,310,740					
	Cumulative Volume Reported Withdrawn (m ³)	462,012	1,843,310					

A break-down of water licence allocation and use by OGC Water Management Basin is listed in Table 4.

				OGC WATER	ANNUAL	2021 Q2
	LICENCE #	LICENCEE	SOURCE	MGMT BASIN	APPROVAL (m³/YR)	WATER USE (m ³)
	C112155	Whitecap Resources Inc.	Peace River	Lower Peace River	1,825,000	161,947
TABLE 3:	C132688	Canadian Natural Resources Limited (CNRL)	Charlie Lake	Lower Beatton River	394,000	548
OIL AND GAS	C133155	Pacific Canbriam Energy	Williston Lake	Peace Arm	3,650,000	11,599
RELATED WATER	C133805	Peace View Hutterian Brethren Church	Dawson Creek Aquifer	Lower Peace River	250,000	1,680
LICENCES THAT	C133853	Petronas Energy Canada	Barker Creek Tributary	Middle Sikanni Chief	7,264	1,738
	C134054	Tourmaline Oil Corp.	Beatton River Intake B	Upper Beatton River	780,000	45,091
WITHDREW	C134110	Petronas Energy Canada	Unnamed Stream	Cameron River	79,045	500
WATER FROM	C134112	CNRL	Pine River	Lower Pine River	650,000	112,764
APRIL TO JUNE	C134283	Ovintiv Canada ULC	Kiskatinaw River	Lower Kiskatinaw River	1,000,000	447,321
2021	C134447	Murphy Oil Company Ltd.	Kiskatinaw River	Middle Kiskatinaw Rive	r 600,000	207,302
	C500172	Secure Energy Services	Aquifer 634	Lower Peace River	36,500	3,220
	C500226	Veresen Energy Pipeline	Aquifer 621	Smoky River	5,500	902
	C500662	ARC Resources Ltd.	Kiskatinaw River	Lower Kiskatinaw	1,100,000	285,940
	C501076	Ovintiv Canada ULC	Bissette Ck/Dawson Ck	Pouce Coupe River	482,000	14,195
	C501120	Canlin Energy Corp.	FSJ Aquifer	Upper Beatton River	1,825	85
	C501398	Umbrella Oilfield Ltd.	Chrissy Creek/FSJ Aquifer	Cameron River	150,000	10,303
	C501578	Ovintiv Canada ULC	Aquifer 593	Lower Kiskatinaw River	120,000	53,957
	C501773	Tourmaline Oil Corp.	FSJ Aquifer	Upper Beatton River	19,710	1,290
	C501791	CNRL	Aquifer 931	Milligan Creek	36,500	1,437
	C501793	CNRL	Aquifer 931	Milligan Creek	36,500	3,657
	C501794	CNRL	Aquifer 931	Milligan Creek	51,100	3,762
	C501865	Boundry Lake Sand & Gravel Ltd.	FSJ Aquifer	Lower Peace River	10,950	646
	C502134	Petronas Energy Canada	FSJ Aquifer	Cameron River	4,015	533
	C502277	Peaceland Farm Ltd.	Aquifer 908	Lower Halfway River	360,000	1,203
	C502448	CNRL	Dawson Creek Bedrock	Murray River	5,475	92
	C502452	CNRL	FSJ Aquifer	Kahntah River	3,650	97
	C502455	CNRL	Dawson Creek Aquifer	Smoky River	1,095	228
	C502462	CNRL	FSJ Aquifer	Kahntah River	7,300	789
	C502467	CNRL	FSJ Aquifer	Upper Beatton River	3,650	79
	C502795	CNRL	Aquifer 451	Blueberry River	3,650	385
	C502884	Peaceland Oilfield Services Ltd.	FSJ Aquifer/2 unnamed streams	Cameron River	32,290	4,034
	C502900	Pineview Trucking & Excavating Ltd.	Unconsolidated Aquifer	Outside of NEBC	98,550	2,446
	C502957	Time Travel Services Ltd.	Aquifer 928	Upper Peace River	10,000	866
	C503048	Albright Flush Systems	Aquifer 451	Cache Creek	2,920	657
					Total Q	2 1,381,298

TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2020, ORGANIZED BY OGC WATER MANAGEMENT BASIN

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

OIL AND GAS RELATED WATER LICENCES - SECTION 9

ORGANIZED BY OGC WATER MANAGEMENT BASIN (Page 1 of 4)	NUMBER OF APPROVED		TOTAL VOLUME APPROVED as %	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN AS % OF MEAN	NUMBER OI LICENCED	TOTAL VOLUME	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 2021 (m ³)	ANNUAL RUNOFF	WITHDRAWA LOCATIONS	L LICENCED	ANNUAL RUNOFF	WITHDRAWN IN 2021 (m ³)	ANNUAL RUNOFF	RUNOFF (m ³)
BEATTON RIVER (sub-basin of Peace River)											
Upper Beatton River	19	835,410	0.167%	9,745	0.002%	19	2,355,519	0.472%	47,653	0.010%	499,408,440
Middle Beatton River	27	322,896	0.130%	32,171	0.013%	1	1,095	0.000%	0	0.000%	249,152,995
Middle Beatton Total (incl. Upper Beatton)	46	1,158,306	0.155%	41,916	0.006%	20	2,356,614	0.315%	47,653	0.006%	748,561,435
Milligan Creek	19	147,100	0.077%	742	0.000%	6	235,425	0.123%	9,127	0.005%	191,536,686
Blueberry River	41	1,004,506	0.343%	9,369	0.003%	4	198,925	0.068%	695	0.000%	293,278,540
Doig River	6	57,200	0.018%	669	0.000%	1	51,100	0.016%	0	0.000%	323,069,523
Lower Beatton River	20	597,888	0.432%	48,771	0.035%	2	414,730	0.300%	869	0.001%	138,262,629
BEATTON TOTAL	132	2,965,000	0.175%	101,467	0.006%	33	3,256,794	0.192%	58,344	0.003%	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%	97,939	0.012%	1	72,000	0.009%	0	0.000%	795,962,409
Upper Halfway Total (includes Chowade)	1	500,000	0.045%	97,939	0.009%	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	39	1,166,187	0.521%	96,704	0.043%	19	1,111,919	0.497%	138,601	0.062%	223,679,567
Lower Halfway River	5	16,595	0.011%	0	0.000%	9	5,448,688	3.596%	3,639	0.002%	151,526,991
HALFWAY TOTAL	46	1,685,182	0.071%	194,643	0.008%	29	6,632,607	0.281%	142,240	0.006%	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	1	39,000	0.005%	0	0.000%	0					737,930,022
Sukunka River	12	270,000	0.026%	6,753	0.001%	0					1,047,282,572
Sukunka River Total (includes Burnt)	13	309,000	0.017%	6,753	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	9	223,850	0.008%	12,908	0.000%	1	5,475	0.000%	123	0.000%	2,698,285,017
Lower Pine River	29	2,157,010	1.567%	5,932	0.004%	1	650,000	0.472%	112,765	0.082%	137,619,889
PINE TOTAL	52	2,707,860	0.044%	25,593	0.000%	2	655,475	0.011%	112,888	0.002%	6,088,001,535

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND	OIL A	ND GAS RELATED SI	HORT-TERM WATER	USE APPROVAI	S - SECTION 10	OIL AND GAS RELATED WATER LICENCES - SECTION 9						
GAS ACTIVITIES IN 2020, ORGANIZED BY OGC WATER MANAGEMENT BASIN (Page 2 of 4)	NUMBER OF Approved		TOTAL VOLUME APPROVED as %	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN AS % OF MEAN	NUMBER (LICENCE		TOTAL VOLUM LICENCED as % of MEAN	E TOTAL VOLUME	TOTAL VOLUM WITHDRAWN as % of MEAI	MEAN	
MAJOR and Sub-Basin Name	WITHDRAWAL	TOTAL VOLUME	of MEAN ANNUAL RUNOFF	WITHDRAWN IN 2021 (m ³)	ANNUAL RUNOFF	WITHDRAW	AL LICENCED	ANNUAL RUNOFF	WITHDRAWN IN 2021 (m ³)	ANNUAL RUNOFF	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	97,946	0.174%	12,745	0.023%	1	600,000	1.065%	207,302	0.368%	56,347,972	
Middle Kiskatinaw Total (incl. West & East)	8	97,946	0.035%	12,745	0.005%	1	600,000	0.215%	207,302	0.074%	279,316,049	
Lower Kiskatinaw River	38	1,662,936	1.855%	72,445	0.081%	10	3,198,317	3.567%	862,657	0.962%	89,659,847	
KISKATINAW TOTAL	46	1,760,882	0.477%	85,190	0.023%	11	3,798,317	1.029%	1,069,959	0.290%	368,975,896	
PEACE RIVER												
Peace Arm	0					3	9,125,000	N/A	75,687	N/A	N/A	
Upper Peace River	1	510,000	0.001%	77,006	0.000%	1	10,000		886		36,423,413,429	
Lynx Creek	0					0					30,436,635	
Farrell Creek	5	314,412	0.345%	0	0.000%	0					91,018,843	
Cache Creek	3	11,120	0.015%	0	0.000%	8	677,605	0.908%	1,342	0.002%	74,603,546	
Pouce Coupe River	16	330,760	0.129%	0	0.000%	4	1,650,200	0.645%	14,195	0.006%	255,686,202	
Lower Peace River	17	782,296	0.683%	3,866	0.003%	8	4,204,919	3.673%	328,624	0.287%	114,470,012	
PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton)	318	11,067,512	0.023%	487,765	0.001%	99	30,010,917	0.063%	1,804,145	0.004%	47,891,853,572	
SMOKY RIVER												
Smoky River	3	27,000	0.001%	0	0.000%	2	6,595	0.000%	2,388	0.000%	2,669,506,123	
SMOKY TOTAL	3	27,000	0.001%	0	0.000%	2	6,595	0.000%	2,388	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	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%	0	0.000%	1,470,271,289	
Middle Prophet River	5	61,400	0.010%	150	0.000%	0					621,428,680	
Middle Prophet Total (incl. Upper Prophet)	5	61,400	0.003%	150	0.000%	1	36,593	0.002%	0	0.000%	2,091,699,969	
Lower Prophet River	1	7,800	0.003%	0	0.000%	0					272,262,427	
PROPHET TOTAL	6	69,200	0.003%	150	0.000%	1	36,593	0.002%	0	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 2020, ORGANIZED BY OGC 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 (m ³)	of MEAN ANNUAL RUNOFF	WITHDRAWN IN 2021 (m³)	ANNUAL RUNOFF	WITHDRAW LOCATION		ANNUAL RUNOFF	WITHDRAWN IN 2021 (m³)	ANNUAL RUNOFF	RUNOFF (m ³)		
SIKANNI CHIEF RIVER (sub-basin of Fort Nelson River)													
Upper Sikanni Chief River	4	50,000	0.006%	0	0.000%	3	3,117,689	0.386%	26,173	0.003%	807,771,692		
Middle Sikanni Chief River	26	348,488	0.037%	22,284	0.002%	4	29,203	0.003%	1,738	0.000%	949,755,794		
Middle Sikanni Chief Total (incl. Upper Sikanni)	30	398,488	0.023%	22,284	0.001%	7	3,146,892	0.179%	27,911	0.002%	1,757,527,486		
Lower Sikanni Chief	24	212,544	0.024%	2,216	0.000%	0					875,678,142		
SIKANNI CHIEF TOTAL	54	611,032	0.023%	24,500	0.001%	7	3,146,892	0.120%	27,911	0.001%	2,633,205,628		
FORT NELSON RIVER													
Kahntah River	31	172,648	0.043%	0	0.000%	2	10,950	0.003%	1,737	0.000%	400,582,903		
Fontas River	4	27,200	0.005%	0	0.000%	0					591,531,903		
Fontas Total (includes Kahntah)	35	199,848	0.020%	0	0.000%	2	10,950	0.001%	1,737	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	l, 89	810,880	0.019%	24,500	0.001%	9	3,157,842	0.073%	29,648	0.001%	4,303,636,908		
Kahntah, Fontas, Klua)													
Snake River	0					0					310,763,522		
Sahtaneh River	9	30,500	0.006%	552	0.000%	0					474,904,729		
Middle Fort Nelson River	11	103,630	0.020%	2,515	0.000%	0					515,348,901		
Middle Ft Nelson Total (incl. Upper Ft. Nelson total,	116	1,036,210	0.008%	27,717	0.000%	10	3,194,435	0.026%	29,648	0.000%	12,314,371,343		
Muskwa Total, Prophet Total, Snake, Sahtaneh)													
Kiwigana River	6	60,000	0.014%	0	0.000%	0					441,657,543		
Lower Fort Nelson River	0					0					312,768,938		
FORT NELSON TOTAL	122	1,096,210	0.008%	27,717	0.000%	10	3,194,435	0.024%	29,648	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					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		

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2021, ORGANIZED BY OGC 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

MANAGEMENT BASIN (Page 4 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 2021 (m³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER O LICENCED WITHDRAW LOCATION	D VOLUME /AL LICENCED	TOTAL VOLUME LICENCED as % of MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2021 (m ³)	TOTAL VOLUME WITHDRAWN as % of MEAN ANNUAL RUNOFF	MEAN
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	0					0					183,879,851
Dunedin River	0					0					820,464,167
Lower Liard River	1	20,000	0.002%	21,255	0.002%	0					1,236,634,664
LIARD TOTAL (incl. Fort Nelson)	123	1,116,210	0.002%	48,972	0.000%	10	3,194,435	0.005%	29,648	0.000%	64,373,155,962
PETITOT RIVER											
Sahdoanah River	22	55,000	0.022%	3,949	0.002%	0					252,625,362
Upper Petitot River	47	165,400	0.011%	1,214	0.000%	0					1,476,579,488
Tsea River	33	133,810	0.031%	245	0.000%	0					434,062,484
Middle Petitot River	13	62,600	0.009%	285	0.000%	0					698,562,753
Middle Petitot Total (incl. Sahdoanah,	115	416,810	0.015%	5,693	0.000%	0	0	0.000%	0	0.000%	2,861,830,087
Upper Petitot, Tsea)											
Lower Petitot River	14	214,000	0.024%	1,430	0.000%	0					904,314,069
PETITOT TOTAL	129	630,810	0.017%	7,123	0.000%	0	0	0.000%	0	0.000%	3,766,144,156
HAY RIVER											
Upper Kotcho River	0					0					311,519,217
Kyklo River	2	26,720	0.018%	0	0.000%	0					145,897,691
Shekilie River	33	342,800	0.076%	112	0.000%	0					450,747,494
Lower Kotcho River	3	14,400	0.005%	0	0.000%	0					311,519,217
Lower Kotcho Total (includes Upper Kotcho,	38	383,920	0.031%	112	0.000%	0	0	0.000%	0	0.000%	1,219,683,619
Kyklo, Shekilie)											
Hay River	28	212,300	0.039%	2,158	0.000%	0					538,672,352
HAY TOTAL	66	596,220	0.034%	2,270	0.000%	0	0	0.000%	0	0.000%	1,758,355,971
CHINCHAGA RIVER											
Chinchaga River	41	279,100	0.255%	1,104	0.001%	0					109,492,680
CHINCHAGA TOTAL	41	279,100	0.255%	1,104	0.001%	0	0	0.000%	0	0.000%	109,492,680
OTHER (outside Northeast B.C.)	254	7,908,850	N/A	136,769	N/A	2	98,793	N/A	7,129	N/A	N/A
GRAND TOTAL	934	21,625,702	0.018%	684,003	0.001%	113	33,310,740	0.028%	1,843,310	0.002%	120,568,508,464



PREVIOUS REPORTS

Previous annual water reports and quarterly updates are available on the Commission's website at: <u>https://www.bcogc.ca/data-reports</u>.

For questions regarding this report, please contact: <u>OGC.Communications@bcogc.ca</u>