# Quarterly Oil and Gas Water Management Summary



Third Quarter 2019 (Jul - Sept)



### PURPOSE

This *Quarterly Oil and Gas Water Management Summary* presents short-term water use and water licence data from the Q3 July to September 2019 period.

Previous annual water use reports and quarterly water management summaries are available on the BC Oil and Gas Commission website at <a href="https://www.bcogc.ca">www.bcogc.ca</a>.

## TABLE OF CONTENTS

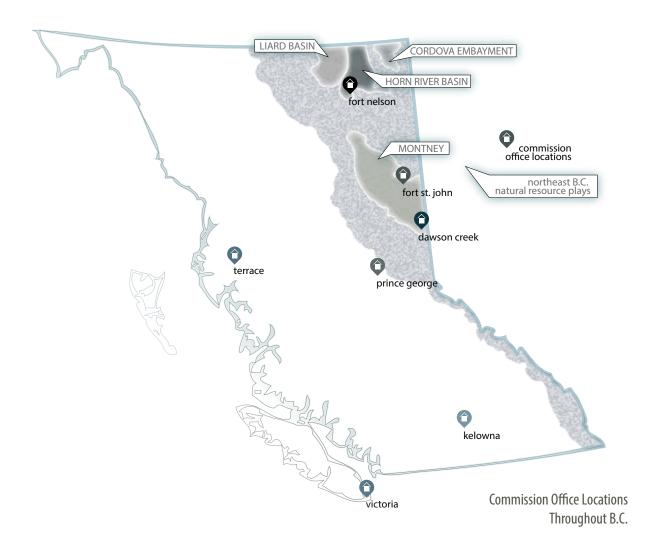
ROLE OF THE BC OIL AND GAS COMMISSION	4
HOW WATER IS USED 5	
HOW WATER IS ACCESSED5	
SHORT-TERM WATER APPROVAL AND USE6	6
TABLE 1 - SUMMARY OF SHORT-TERM APPROVAL AND USE FOR OIL AND GAS ACTIVITIES FROM JANUARY TO SEPTEMBER 2019 6	
LONG-TERM WATER LICENCES AND USE	б
TABLE 2 - SUMMARY OF WATER LICENCE AND USE FOR OIL AND GAS ACTIVITIES FROM JANUARY TO SEPTEMBER 20196	
TABLE 3 - OIL AND GAS RELATED WATER LICENCES THAT WITHDREW WATER IN  2019 - Q3	
TABLE 4: SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2019, ORGANIZED BY OGC WATER MANAGEMENT BASIN	1 0

## BC OIL AND GAS COMMISSION

he <u>BC Oil and Gas Commission</u> (Commission) is the provincial regulatory agency with responsibilities for regulating oil and gas activities in British Columbia, including exploration, development, pipeline transportation and reclamation.

The Commission's core services include reviewing and assessing applications for industry activity, consulting with First Nations, cooperating with partner agencies, and ensuring industry complies with provincial legislation and all regulatory requirements. The public interest is protected by ensuring public safety, respecting those affected by oil and gas activities, conserving the environment, and ensuring equitable participation in production.

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.



#### 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 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 July to September of 2019, there were a total of 267 short-term water use approvals in place, representing 571 withdrawal locations, held by 43 companies (Table 1).

The total water volume associated with short-term approvals active on the last day of the quarter was 12,458,574 m<sup>3</sup>.

A total of 1,109,121 m³ was reported as withdrawn by oil and gas operators during the first three quarters of 2019.

TABLE 1 - S	SUMMARY OF SHORT-TERM APPROVAL AND USE FO	R		
OIL AND GA	AS ACTIVITIES FROM JANUARY TO SEPTEMBER 2019	) Q1	Q2	Q3
	Companies with Active Approvals	46	*44	43
	Active Approvals	201	239	267
SHORT-	Approved Withdrawal locations	623	*575	571
TERM	Volume Available for Use (m³)	12,781,913	*12,270,357	12,458,574
	Cumulative Volume Reported Withdrawn (m³)	313,178	647,292	1,109,121

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

#### LONG-TERM WATER LICENCES AND USE

In the third quarter of 2019, there were 74 active oil and gas related water licences, representing 79 withdrawal locations, held by 19 companies (Table 2).

The total annual licenced water volume was 29,521,425 m<sup>3</sup>.

A total of 2,530,827 m<sup>3</sup> of licenced water was reported as withdrawn in the first three quarters of the year by 19 companies (Table 3).

	UMMARY OF WATER LICENCE AND USE FOR OIL AND G FROM JANUARY TO SEPTEMBER 2019	AS Q1	Q2	Q3
WATER LICENCE	Companies with Active Water Licences Active Water Licences Licenced Withdrawal Locations Annual Volume Available for Use for Water Licences (m³) Cumulative Volume Reported Withdrawn (m³)	15 57 60 26,822,997 464,272	18 72 77 29,326,444 1,759,139	19 74 79 29,521,425 2,530,827

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

<sup>\*</sup>Updated (retroactive data entry).

TABLE 3: OIL AND GAS RELATED WATER LICENCES THAT WITHDREW WATER FROM JULY TO SEPTEMBER 2019

LICENCE#	LICENCEE	SOURCE	OGC WATER MGMT BASIN	ANNUAL APPROVAL (m³/YR)	2019 WATER USE (m³/YR)
C112155	Whitecap Resources Inc.	Peace River	Lower Peace River	1,825,000	144,390
C132688	Canadian Natural Resources Limited (CNRL)	Charlie Lake	Lower Beatton River	394,000	415
C133155	Pacific Canbriam Energy	Williston Lake	Peace Arm	3,650,000	4,517
C133847	Petronas Energy Canada	Unnamed Stream	Cameron River	7,374	650
C133853	Petronas Energy Canada	Unnamed Tributary	Middle Sikanni Chief	7,264	172
C134054	Black Swan Energy	Beatton River Intake B	Upper Beatton River	780,000	138,638
C134093	Petronas Energy Canada	Grewatsch Tributary	Upper Beatton River	54,368	996
C134111	Petronas Energy Canada	Unnamed Stream	Upper Beatton River	49,588	1,705
C134469	ConocoPhillips Canada	Halfway River	Lower Halfway River	3,650,000	303,965
C500226	Veresen Energy Pipeline	Aquifer 621	Smoky River	5,500	825
C500341	Petronas Energy Canada	FSJ Aquifer	Cameron River	2,253	620
C500349	Petronas Energy Canada	FSJ Aquifer	Lower Halfway River	10,463	358
C500449	Kelt Exploration Ltd.	Aquifer 451	Cache Creek	146,000	24,474
C500453	Kelt Exploration Ltd.	Aquifer 451	Cache Creek	160,235	31,654
C500662	ARC Resources Ltd.	Kiskatinaw River	Lower Kiskatinaw River	1,100,000	97,640
C500678	Todd Energy Canada Ltd.	FSJ Aquifer	Blueberry River	146,000	5,575
C500794	Petronas Energy Canada	FSJ Aquifer	Upper Beatton River	6,924	60
C501073	Petronas Energy Canada	FSJ Aquifer	Cameron River	6,240	68
C501076	Encana Corporation	Bissette/Dawson Ck Aquifer	Pouce Coupe River	482,000	13,488
C501120	Canlin Energy Corp.	FSJ Aquifer	Upper Beatton River	1,825	50
C501135	CNRL	Aquifer 451	Blueberry River	1,825	298
C501206	CNRL	Dawson Creek Bedrock	Murray River	730	163
C501207	CNRL	FSJ Aquifer	Kahntah River	2,555	552
C501210	CNRL	FSJ Aquifer	Kahntah River	365	55
C501211	CNRL	FSJ Aquifer	Upper Beatton River	730	165
C501212	CNRL	Dawson Creek Aquifer	Smoky River	1,095	184
C501270	Black Swan Energy Ltd.	FSJ Aquifer	Upper Beatton River	6,570	4

## TABLE 4 - SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2019.

#### SHORT-TERM WATER USE APPROVALS - BC OIL AND GAS COMMISSION

#### OIL AND GAS RELATED WATER LICENCES

ORGANIZED BY OGC WATER MANAGEMENT BASIN (Page 1 of 4)  MAJOR and Sub-Basin Name	NUMBER OF APPROVED WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m³) FOR LOCATIONS ACTIVE ON 9/30/2019	TOTAL VOLUME APPROVED as % of MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2019 (m³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER O LICENCED WITHDRAW. LOCATION:	VOLUME AL LICENCED	TOTAL VOLUME LICENCED as % of MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2019 (m³)	TOTAL VOLUME WITHDRAWN as % of MEAN ANNUAL RUNOFF	MEAN ANNUAL RUNOFF (m³)
BEATTON RIVER (sub-basin of Peace River)											
Upper Beatton River	12	235,480	0.047%	22,852	0.005%	18	2,089,459	0.418%	144,233	0.029%	499,408,440
Middle Beatton River	1	18,000	0.007%	0	0.000%	0					249,152,995
Middle Beatton Total (incl. Upper Beatton)	13	253,480	0.034%	22,852	0.003%	18	2,089,459	0.279%	144,233	0.019%	748,561,435
Milligan Creek	5	42,000	0.022%	375	0.000%	0					191,536,686
Blueberry River	41	1,464,722	0.499%	142,238	0.048%	4	197,100	0.000%	6,209	0.000%	293,278,540
Doig River	6	46,000	0.014%	0	0.000%	0					323,069,523
Lower Beatton River	32	391,425	0.283%	36,504	0.026%	1	394,000	0.285%	12,797	0.009%	138,262,629
BEATTON TOTAL	97	2,197,627	0.130%	201,969	0.012%	23	2,680,559	0.158%	163,239	0.010%	1,694,708,813
HALFWAY RIVER (sub-basin of Peace River)											
Chowade River	0					0					327,027,527
Upper Halfway River	0					0					795,962,409
Upper Halfway Total (includes Chowade)	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	1,122,989,936
Graham River	2	3,450	0.000%	0	0.000%	0					860,627,172
Cameron River	31	1,604,530	0.476%	117,250	0.052%	12	667,894	0.299%	3,609	0.002%	223,679,567
Lower Halfway River	17	1,041,399	0.687%	97,697	0.064%	7	3,838,688	2.533%	1,181,068	0.779%	151,526,991
HALFWAY TOTAL	50	2,109,379	0.089%	214,947	0.009%	19	4,506,582	0.191% 1	,184,677	0.050%	2,358,823,666
MOBERLY RIVER (sub-basin of Peace River)											
Moberly River	5	55,631	0.014%	19,249	0.005%	0					391,714,995
MOBERLY TOTAL	5	55,631	0.000%	19,249	0.005%	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	0					0					1,047,282,572
Sukunka River Total (includes Burnt)	0	0	0.000%	0	0.000%	0	0	0.000%	0	0.000%	1,785,212,594
Upper Pine River	1	10,000	0.001%	2,650	0.000%	0					1,466,884,035
Murray River	3	20,850	0.001%	0	0.000%	1	730	0.000%	328	0.000%	2,698,285,017
Lower Pine River	34	563,908	0.410%	77,105	0.056%	1	650,000	0.472%	0	0.000%	137,619,889
PINE TOTAL	38	594,758	0.019%	79,755	0.001%	2	650,730	0.011%	328	0.000%	6,088,001,535

#### SHORT-TERM WATER USE APPROVALS - BC OIL AND GAS COMMISSION

#### OIL AND GAS RELATED WATER LICENCES

							0.2 0.2 1.2 1 1 1						
GAS ACTIVITIES IN 2019, ORGANIZED BY OGC WATER MANAGEMENT BASIN (Page 2 of 4)  MAJOR and Sub-Basin Name	NUMBER OF APPROVED WITHDRAWAL LOCATIONS	TOTAL VOLUME APPROVED (m³) FOR LOCATIONS ACTIVE ON 9/30/2019	TOTAL VOLUME APPROVED as % of MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2019 (m³)	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL RUNOFF	NUMBER ( LICENCEE WITHDRAW LOCATION	D VOLUME VAL LICENCED	TOTAL VOLUMI LICENCED as % of MEAN ANNUAL RUNOFF	TOTAL VOLUME WITHDRAWN IN 2019 (m³)	TOTAL VOLUM WITHDRAWN as % of MEAN 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	6	98,296	0.174%	404	0.001%	1	600,000	0.000%	105,612	0.000%	56,347,972		
Middle Kiskatinaw Total (incl. West & East)	6	98,296	0.035%	404	0.000%	1	600,000	0.215%	105,612	0.038%	279,316,049		
Lower Kiskatinaw River	23	1,017,538	1.135%	65,256	0.073%	6	2,618,100	2.920%	405,564	0.452%	89,659,847		
KISKATINAW TOTAL	29	1,115,834	0.302%	65,660	0.018%	7	3,218,100	0.872%	511,266	0.139%	368,975,896		
PEACE RIVER													
Peace Arm	0					3	9,125,000	0.000%	7,629	0.000%	N/A		
Upper Peace River	5	859,313	0.002%	42,496	0.000%	0					36,423,413,429		
Lynx Creek	3	43,996	0.145%	0	0.000%	0					30,436,635		
Farrell Creek	7	271,644	0.298%	20,310	0.022%	0					91,018,843		
Cache Creek	6	107,000	0.143%	52,567	0.070%	3	491,235	0.658%	182,935	0.245%	74,603,546		
Pouce Coupe River	23	1,161,866	0.454%	175,567	0.069%	4	1,650,200	0.645%	14,970	0.006%	255,686,202		
Lower Peace River	17	1,451,912	1.268%	112,809	0.099%	5	3,907,469	3.414%	461,100	0.403%	114,470,012		
PEACE TOTAL (incl. Kisk/Pine/Moberly/Half/Beatton)	280	9,968,960	0.021%	985,329	0.002%	66	26,229,875	0.055%	2,526,144	0.005%	47,891,853,572		
SMOKY RIVER													
Smoky River	3	9,000	0.000%	0	0.000%	2	6,595	0.000%	3,172	0.000%	2,669,506,123		
SMOKY TOTAL	3	9,000	0.000%	0	0.000%	2	6,595	0.000%	3,172	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	50	0.000%	522	0.000%	0					646,841,560		
MUSKWA TOTAL	1	50	0.000%	522	0.000%	0	0	0.000%	0	0.000%	4,345,754,887		
PROPHET RIVER (sub-basin of Fort Nelson River)													
Upper Prophet River	1	1,500	0.000%	60	0.000%	1	36,593	0.002%	0	0.000%	1,470,271,289		
Middle Prophet River	5	30,700	0.005%	63	0.000%	0					621,428,680		
Middle Prophet Total (incl. Upper Prophet)	6	32,200	0.002%	123	0.000%	1	36,593	0.002%	0	0.000%	2,091,699,969		
Lower Prophet River	1	3,900	0.001%	4,080	0.001%	0					272,262,427		
PROPHET TOTAL	7	36,100	0.002%	4,203	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	SHORT-TERM WATER USE APPROVALS - BC OIL AND GAS COMMISSION						OIL AND GAS RELATED WATER LICENCES						
GAS ACTIVITIES IN 2019, ORGANIZED BY OGC WATER MANAGEMENT BASIN (Page 3 of 4)	NUMBER OF APPROVED	TOTAL VOLUME APPROVED (m³) FOR LOCATIONS	TOTAL VOLUME APPROVED as %	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN AS % OF MEAN	NUMBER O 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	ACTIVE ON 9/30/2019	of MEAN ANNUAL RUNOFF	WITHDRAWN IN 2019 (m³)	ANNUAL RUNOFF	WITHDRAW. LOCATIONS		ANNUAL RUNOFF	WITHDRAWN IN 2019 (m³)	ANNUAL RUNOFF	RUNOFF (m³)		
SIKANNI CHIEF RIVER (sub-basin of Fort Nelson River)													
Upper Sikanni Chief River	0					3	3,117,689	0.386%	0	0.000%	807,771,692		
Middle Sikanni Chief River	30	270,583	0.028%	66,544	0.007%	4	29,203	0.003%	302	0.000%	949,755,794		
Middle Sikanni Chief Total (incl. Upper Sikanni)	30	270,583	0.015%	66,544	0.004%	7	3,146,892	0.179%	302	0.000%	1,757,527,486		
Lower Sikanni Chief	10	54,136	0.006%	7,685	0.001%	0					875,678,142		
SIKANNI CHIEF TOTAL	40	324,719	0.012%	74,229	0.003%	7	3,146,892	0.120%	302	0.000%	2,633,205,628		
FORT NELSON RIVER													
Kahntah River	30	168,248	0.000%	0	0.000%	2	2,920	0.000%	1,208	0.000%	400,582,903		
Fontas River	5	41,700	0.007%	0	0.000%	0					591,531,903		
Fontas Total (includes Kahntah)	35	209,948	0.021%	0	0.000%	2	2,920	0.000%	1,208	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 Total	l, 75	534,667	0.012%	74,229	0.002%	9	3,149,812	0.073%	1,510	0.000%	4,303,636,908		
Kahntah, Fontas, Klua)													
Snake River	1	4,200	0.001%	195	0.000%	0					310,763,522		
Sahtaneh River	12	56,156	0.012%	595	0.000%	0					474,904,729		
Middle Fort Nelson River	6	15,000	0.003%	4,207	0.001%	0					515,348,901		
Middle Ft Nelson Total (incl. Upper Ft. Nelson total,	102	646,173	0.005%	83,951	0.001%	10	3,186,405	0.026%	1,510	0.000%	12,314,371,343		
Muskwa Total, Prophet Total, Snake, Sahtaneh)													
Kiwigana River	8	45,000	0.010%	0	0.000%	0					441,657,543		
Lower Fort Nelson River	0					0					312,768,938		
FORT NELSON TOTAL	110	691,173	0.005%	83,951	0.001%	10	3,186,405	0.024%	1,510	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		

SUMMARY OF WATER ALLOCATION AND USE FOR OIL AND GAS ACTIVITIES IN 2019, ORGANIZED BY OGC WATER

#### SHORT-TERM WATER USE APPROVALS - BC OIL AND GAS COMMISSION

OIL AND GAS RELATED WATER LICENCES

GAS ACTIVITIES IN 2019, ORGANIZED BY OGC WATER	SHORT TERM WATER OSE AT HOVAES DE OIE ARD GAS COMMISSION											
MANAGEMENT BASIN (Page 4 of 4)	NUMBER OF APPROVED	TOTAL VOLUME APPROVED (m³) FOR LOCATIONS ACTIVE ON	TOTAL VOLUME	TOTAL VOLUME WITHDRAWN	TOTAL VOLUME WITHDRAWN AS % OF MEAN ANNUAL	NUMBER OF LICENCED WITHDRAWAI	VOLUME	TOTAL VOLUME LICENCED as % of MEAN ANNUAL	TOTAL VOLUME WITHDRAWN	TOTAL VOLUME WITHDRAWN as % of MEAN ANNUAL	MEAN	
Sub-Basin Name	WITHDRAWAL LOCATIONS	9/30/2019	OF MEAN ANNUAL RUNOFF	WITHDRAWN IN 2019 (m <sup>3</sup> )	RUNOFF	LOCATIONS		RUNOFF	WITHDRAWN IN 2019 (m <sup>3</sup> )	RUNOFF	KUNUFF (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	0					0					183,879,851	
Dunedin River	0					0					820,464,167	
Lower Liard River	0					0					1,236,634,664	
LIARD TOTAL (incl. Fort Nelson)	110	691,173	0.001%	83,951	0.000%	10	3,186,405	0.005%	1,510	0.000%	64,373,155,962	
PETITOT RIVER												
Sahdoanah River	11	39,800	0.016%	3,014	0.001%	0					252,625,362	
Upper Petitot River	38	108,200	0.007%	0	0.000%	0					1,476,579,488	
Tsea River	29	187,734	0.043%	13,568	0.003%	0					434,062,484	
Middle Petitot River	16	61,300	0.009%	0	0.000%	0					698,562,753	
Middle Petitot Total (incl. Sahdoanah,	94	397,034	0.014%	16,582	0.001%	0	0	0.000%	0	0.000%	2,861,830,087	
Upper Petitot, Tsea)												
Lower Petitot River	11	140,000	0.015%	0	0.000%	0					904,314,069	
PETITOT TOTAL	105	537,034	0.014%	16,582	0.000%	0	0	0.000%	0	0.000%	3,766,144,156	
HAY RIVER												
Upper Kotcho River	1	20,000	0.006%	162	0.000%	0					311,519,217	
Kyklo River	4	20,600	0.014%	0	0.000%	0					145,897,691	
Shekilie River	27	158,940	0.035%	0	0.000%	0					450,747,494	
Lower Kotcho River	1	3,000	0.001%	2,378	0.001%	0					311,519,217	
Lower Kotcho Total (includes Upper Kotcho,	33	202,540	0.017%	2,540	0.000%	0	0	0.000%	0	0.000%	1,219,683,619	
Kyklo, Shekilie)												
Hay River	4	40,000	0.007%	1,837	0.000%	0					538,672,352	
HAY TOTAL	37	242,540	0.014%	4,377	0.000%	0	0	0.000%	0	0.000%	1,758,355,971	
CHINCHAGA RIVER												
Chinchaga River	2	1,000	0.001%	0	0.000%	0					109,492,680	
CHINCHAGA TOTAL	2	1,000	0.001%	0	0.000%	0	0	0.000%	0	0.000%	109,492,680	
OTHER (outside Northeast B.C.)	30	920,780	0.000%	18,882	0.000%	1	98,550		0		N/A	
GRAND TOTAL	567	12,370,487	0.010%	1,109,121	0.001%		29,521,425	0.024%			120,568,508,464	



Previous annual water reports and quarterly updates are available on the Commission's website at: <a href="http://www.bcogc.ca/public-zone/water-information">http://www.bcogc.ca/public-zone/water-information</a>

For specific questions or enquiries regarding this data, please contact: OGC.Communications@bcogc.ca