

Oil and Gas Water Use Summary

Third Quarter 2013 (July-September)





The BC Oil and Gas Commission is the single-window 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.

For general information about the Commission, please visit www.bcogc.ca or phone 250-794-5200.

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This summary contains short-term water use data and water licence data from the January to September 2013 period.

Other resources on the Commission's website include:

[Oil and Gas Activities Act and Water Act](#)

[Short-term Use of Water Application Manual](#)

[Data files of all Active Section 8 Approvals](#)

[2012 Quarterly Updates](#)

[Northeast Water Tool](#)

For specific questions or enquiries regarding this data, please contact:

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Table 1: Summary of short-term water use approvals active Jan-Sept 2013

	Q1 Total Jan-Mar 2013	Q2 Total Apr-Jun 2013	Q3 Total Jul-Sept 2013
Number of active approvals in each quarter	246	251	253
Number of approvals issued in each quarter	90	34	64
Number of companies with active approvals	42	40	42
Total volume available for use for the 12-month period beginning with each quarter (m ³)	16,250,016	16,565,834	15,426,239
Total volume reported used in each quarter (m ³)	1,098,205	480,111	599,515
Cumulative total volume reported used in 2013	1,098,205	1,578,316	2,143,155

Table 3: Section 8 permits approved by the BC Oil and Gas Commission and water licensed by the Ministry of Forests, Lands and Natural Resource Operations.

Approved volumes for an annual period starting January 2013; actual withdrawals are for January-September 2013, and presented as a percentage of annual river discharge.

Major & Sub-Basin Name	Section 8 Water Use Approvals – BC Oil and Gas Commission					Water Licences – FLNRO			River Discharge and Runoff	
	Section 8 Approvals	Total Volume Approved (m ³)	Total Volume Approved as % of Mean Annual Runoff	Total Volume Withdrawn (m ³) (2013)	Total Volume Withdrawn as % of Mean Annual Runoff	# of Water Licenses	Total Volume Licensed (m ³)	Total Volume Licensed as % of Mean Annual Runoff	Mean Annual Discharge (m ³ /s)	Mean Annual Runoff (m ³)
Beatton River										
Upper Beatton River	14	520,680	0.104%	10,953	0.002%				15.8	499,408,440
Middle Beatton River	7	23,500	0.009%	0	0.000%				7.9	249,152,995
Milligan Creek	8	201,590	0.105%	0	0.000%				6.1	191,536,686
Blueberry River	11	225,598	0.077%	1,587	0.001%	16	231,853	0.079%	9.3	293,278,540
Doig River	2	64,200	0.020%	0	0.000%	9	3,350,772	1.037%	10.2	323,069,523
Lower Beatton River						41	7,822,425	5.658%	4.4	138,262,629
Beatton Total	42	1,035,568	0.061%	12,540	0.001%	66	11,405,050	0.673%	53.7	1,694,708,813
Halfway River										
Upper Halfway River	2	158,055	0.020%	8,857	0.001%	6	133,304	0.017%	25.2	795,962,409
Chowade River								0.000%	10.4	327,027,527
Graham River	4	1,294,900	0.150%	730	0.000%	1	3,319	0.000%	27.3	860,627,172
Cameron River	16	674,870	0.302%	144,706	0.065%	3	7,467	0.003%	7.1	223,679,567
Lower Halfway River	23	2,022,386	1.335%	27,555	0.018%	10	1,036,050	0.684%	4.8	151,526,991
Halfway Total	45	4,150,211	0.176%	181,848	0.008%	20	1,180,139	0.050%	74.7	2,358,823,666
Moberly River										
Moberly River						9	84,402	0.022%	12.41	391,714,995
Moberly Total	0	0	0.000%	0	0.000%	9	84,402	0.022%	12.41	391,714,995
Pine River										
Burnt River	0	0	0.000%	52	0.000%	3	37,996	0.005%	23.38	737,930,022

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Sukunka River	2	2,360	0.000%	1,864	0.000%	5	121,079	0.012%	33.19	1,047,282,572
Upper Pine River	1	1,200	0.000%	1	0.000%	13	2,454,627	0.167%	46.48	1,466,884,035
Murray River River	6	140,822	0.005%	22,585	0.001%	34	28,129,268	1.042%	85.5	2,698,285,017
Lower Pine River	10	636,590	0.463%	288,890	0.210%	28	5,576,477	4.052%	4.36	137,619,889
Pine Total	19	780,972	0.013%	313,392	0.005%	83	36,319,447	0.597%	192.91	6,088,001,535
Kiskatinaw River										
East Kiskatinaw River	7	1,943,750	1.843%	34,335	0.033%	7	6,189,820	5.870%	3.3	105,452,962
West Kiskatinaw River	3	124,000	0.106%	57,293					3.7	117,515,115
Middle Kiskatinaw River	4	125,536	0.223%	10,769	0.019%	9	401,059	0.712%	1.8	56,347,972
Lower Kiskatinaw River	4	130,459	0.146%	4,386	0.005%	20	1,646,620	1.837%	2.8	89,659,847
Kiskatinaw Total	18	2,323,745	0.630%	106,783	0.029%	36	8,237,499	2.233%	11.7	368,975,896
Peace River										
Lynx Creek	0	0	0.000%	0	0.000%	5	259,970	0.854%	0.96	30,436,635
Farrell Creek	2	10,000	0.011%	0	0.000%	2	7,466	0.008%	2.88	91,018,843
Cache Creek	2	2,250	0.003%	364	0.000%	8	1,978,540	2.652%	2.4	74,603,546
Pouce Coupe River						59	2,999,852	1.173%	8.1	255,686,202
Peace River Mainstem	1	450,000	0.001%	0	0.000%	79	129,434,061	0.383%	1070	33,766,632,000
Peace Total	139	9,301,433	0.021%	764,771	0.002%	367	191,906,426	0.425%	1430.0	45,127,368,000
Smoky River										
Smoky River	4	58,050	0.002%	2,920	0.000%	2	528,441	0.020%	84.59	2,669,506,123
Smoky Total	4	58,050	0.002%	2,920	0.000%	2	528,441	0.020%	84.59	2,669,506,123
Muskwa River (Sub-Basin of Fort Nelson River)										
Upper Muskwa River									54.67	1,725,201,511
Middle Muskwa River						1	830	0.000%	62.54	1,973,711,816
Lower Muskwa River						9	1,839,377	0.284%	20.5	646,841,560
Muskwa Total	0	0	0.000%	0	0.000%	10	1,840,207	0.042%	137.71	4,345,754,887

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Prophet River (Sub-Basin of Fort Nelson River)										
Upper Prophet River	4	64,940	0.004%	10,782	0.001%				46.59	1,470,271,289
Middle Prophet	1	4,650	0.001%	5,377	0.001%				19.69	621,428,680
Lower Prophet	3	14,000	0.005%	1,045	0.000%				8.63	272,262,427
Prophet Total	8	83,590	0.004%	17,204	0.001%	0	0	0.000%	74.91	2,363,962,396
Sikanni Chief River (Sub-Basin of Fort Nelson River)										
Upper Sikanni Chief River	2	1,894,100	0.234%	376,911	0.047%	2	64,488	0.008%	25.6	807,771,692
Middle Sikanni Chief River	11	82,570	0.009%	7,325	0.001%	2	5,808	0.001%	30.1	949,755,794
Lower Sikanni Chief River	3	51,844	0.006%	0	0.000%				27.75	875,678,142
Sikanni Chief Total	16	2,028,514	0.077%	384,236	0.015%	4	70,295	0.003%	83.45	2,633,205,628
Fort Nelson River										
Fontas River	3	30,200	0.005%	2,469	0.000%				18.7	591,531,903
Kahntah River	2	13,000	0.003%	7,801	0.002%				12.7	400,582,903
Kiwigana River	4	935,700	0.212%	4,449	0.001%	2	419,609	0.095%	14.0	441,657,543
Klua River	4	92,000	0.023%	2,894	0.001%				12.7	402,135,448
Sahtaneh River	12	391,600	0.082%	7,910	0.002%	1	329,865	0.069%	15.1	474,904,729
Snake River	3	12,000	0.004%	1,756	0.001%				9.9	310,763,522
Upper Fort Nelson River	27	2,172,114	0.050%	397,899	0.009%	4	70,295	0.002%	136	4,303,636,908
Middle Fort Nelson River	40	2,880,064	0.025%	1,143,097	0.010%	18	2,912,350	0.025%	365	11,528,703,092
Lower Fort Nelson River	60	4,278,089	0.034%	1,189,379	0.009%	19	3,242,215	0.026%	400	12,627,140,281
Fort Nelson Total	60	4,278,089	0.033%	1,189,379	0.009%	21	3,661,825	0.028%	414	13,068,797,824

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Liard River										
Capot-Blanc River	4	98,056	0.053%	0	0.000%				5.8	183,879,851
Dunedin River	1	9,950	0.001%	48	0.000%				26.0	820,464,167
Lower Toad River									13.3	419,472,722
Grayling River									20.0	630,833,914
Beaver River									344.2	10,862,659,426
Upper Liard River						2	2,489	0.000%	1049.69	33,125,817,465
Middle Liard River									14.69	463,652,312
Lower Liard River	7	289,000	0.023%	76,551	0.006%				39.19	1,236,634,664
Liard Total	12	397,006	0.001%	76,599	0.000%	2	2,489	0.000%	1512.9	47,743,414,521
Petitot River										
Lower Petitot River	1	95,000	0.011%	9,743	0.001%	1	137,026	0.015%	28.7	904,314,069
Middle Petitot River	5	51,550	0.007%	13,812	0.002%	1	116,404	0.017%	22.1	698,562,753
Sahdoanah River	3	595,094	0.236%	4,129	0.002%	1	830	0.000%	8.0	252,625,362
Tsea River	3	40,666	0.009%	29,771	0.007%	2	2,783,632	0.641%	13.8	434,062,484
Upper Petitot River	4	205,740	0.014%	7,588	0.001%				46.8	1,476,579,488
Petitot Total	16	988,050	0.026%	65,043	0.002%	5	3,037,892	0.081%	119.4	3,766,144,156
Kotcho River										
Kyklo River	1	71,400	0.049%	207	0.000%	1	5,808	0.004%	4.62	145,897,691
Lower Kotcho River	3	13,000	0.004%	441	0.000%				9.87	311,519,217
Shekilie River	1	5,000	0.001%	3,786	0.001%				14.28	450,747,494
Upper Kotcho River	3	25,200	0.008%	2,034	0.001%				9.87	311,519,217
Kotcho Total	8	114,600	0.008%	6,468	0.000%	1	5,808	0.000%	47.2	1,489,518,720

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Hay River										
Hay River	8	219,300	0.041%	37,954	0.007%				17.07	538,672,352
Hay Total	8	219,300	0.041%	37,954	0.007%	0	0	0.000%	17.1	538,672,352
Chinchaga River										
Chinchaga River	2	69,200	0.063%	0	0.000%				3.5	109,492,680
Chinchaga River Total	2	69,200	0.063%	0	0.000%	0	0	0.000%	3.5	109,492,680
Other	4	511		21						
Total	253	15,426,239		2,143,155		398	199,142,880			