

## MONTHLY FIELD STUDIES SUMMARY

### November 2013

The Site C Clean Energy Project is currently undergoing a cooperative environmental assessment by the Canadian Environmental Assessment Agency (CEA Agency) and the B.C. Environmental Assessment Office (BCEAO), which includes a Joint Review Panel process.

BC Hydro filed its Environmental Impact Statement (EIS) in January 2013 and in August 2013, the CEA Agency and the BCEAO determined that BC Hydro's amended EIS was satisfactory. BC Hydro has now entered the Joint Review Panel Stage.

BC Hydro is continuing to conduct environmental and engineering field studies on and around the Peace River between the Williston Reservoir and the Alberta border to inform detailed mitigation planning, prepare project permits, and ensure information is gathered with respect to monitoring programs proposed in the EIS.

This notice provides a list of field work planned for November 2013. Helicopters may be required for some of this work.

Overview
<b>Wildlife Studies</b>
<ul style="list-style-type: none"> <li>Jackfish Lake Moose and Elk Monitoring Program</li> </ul>
<b>Physical Environment Studies</b>
<ul style="list-style-type: none"> <li>Turbidity Monitoring</li> <li>Climate and Air Quality Monitoring</li> </ul>

Current and previous field study activities are available at [bchydro.com/sitec](http://bchydro.com/sitec) and in the Community Consultation offices in Fort St. John and in the Pearkes Centre in Hudson's Hope.

Regular and ongoing BC Hydro work may also be taking place on the Peace River and tributaries related to BC Hydro's Peace River water licence requirements or other operations work.

For further information, please contact:  
**Kate O'Neil, Community Relations**  
 Office: 250-785-3415 Cell: 250-793-5416

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Study Name	Description	Timing
<p><b>Wildlife Studies – Jackfish Lake Moose and Elk Monitoring Program</b></p>	<p>BC Hydro is conducting a moose and elk monitoring study on the south bank of the Peace River, around the Jackfish Lake Road area, between the Peace River and Chetwynd, and in the area of the transmission corridor right-of-way.</p> <p>The first phase of the study took place between winter 2012 and spring 2013, and involved the capture and outfitting of 32 moose and elk with GPS collars.</p> <p>Phase II involves tracking collared animals for up to two years, and phase III, the final phase, will involve removing the collars from the study animals following the monitoring period.</p> <p>Weather dependent, capturing and collaring (by aerial net guns) for additional tracking will take place in late fall 2013.</p>	<p>December 2012 – April 2015</p> <p><i>Phase II, tracking collared animals, occurs between May 2013 and April 2015.</i></p> <p><i>Additional capturing and collaring will occur in late fall 2013, weather dependent.</i></p>
<p><b>Physical Environment Studies – Turbidity Monitoring</b></p>	<p>BC Hydro is collecting baseline turbidity data at four monitoring stations located on both sides of the river bank upstream and downstream of the proposed Site C dam site as well as upstream of the town of Taylor and at the Spectra gas plant water intake.</p> <p>Regular site visits will take place between May and December 2013 to collect data, check equipment and perform maintenance.</p> <p>Field crew access will be by boat and foot.</p>	<p>April – December 2013</p>
<p><b>Physical Environment Studies - Climate &amp; Air Quality Monitoring</b></p>	<p>BC Hydro is collecting climate and air quality data from monitoring stations on private and BC Hydro owned land between Hudson’s Hope and Old Fort, south of Fort St. John.</p> <p>Information on various climate parameters is being gathered, including: air temperature, humidity, wind speed and direction, fog frequency and density, snow depth and precipitation. Monitoring of particulate matter (mixture of solid particles and liquid droplets in the air) will be conducted at Old Fort, Halfway River and 85<sup>th</sup> Avenue.</p> <p>These data were used to establish baseline conditions that informed the effects assessment of</p>	<p>Ongoing monitoring from February 2009.</p>

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Study Name	Description	Timing
	<p>the Site C project on in-valley climate and air quality in the area. BC Hydro is continuing to collect the data to verify actual changes should the project be built and to forecast periods of high tributary inflows for construction planning.</p> <p>BC Hydro also monitors climate within the Peace River watershed in order to forecast periods of high tributary inflows for construction planning.</p> <p>Stations are visited regularly to retrieve data and for maintenance. Access to the monitoring stations is by vehicle, foot and helicopter.</p>	

*Note: Access to public and private land may be required in order to complete study work. BC Hydro will obtain permission from land owners and provide notification to BC Hydro leaseholders before entry onto private or leased lands.*