

## MONTHLY FIELD STUDIES SUMMARY

### January 2013

The Site C Clean Energy Project (Site C) is now in Stage 3, the environmental and regulatory review phase, which includes an independent environmental assessment. Stage 3 work includes conducting environmental and engineering field studies on and around the Peace River between the Williston Reservoir and the Alberta border.

An overview of studies that will be taking place in January 2013 is below. Additional study activities may occur; notice of these studies will be posted at [www.bchydro.com/sitec](http://www.bchydro.com/sitec).

Overview
<b>Wildlife Studies</b>
♦ Jackfish Lake Moose and Elk Monitoring Program
<b>Physical Environment Studies</b>
♦ Climate and Air Quality Monitoring

Some field studies may require access to public and private land. BC Hydro will obtain permission before accessing private property and will notify property owners who may be directly impacted by helicopters. Ongoing regular BC Hydro work, in addition to the Site C field study activities outlined here, may be taking place on the Peace River and tributaries. This work is related to BC Hydro's Peace River water license requirements program or other operations work.

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

For further information, please contact:

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**Community Consultation Offices:**

November and December 2012

Study Name	Description	Timing
<p><b>Wildlife Studies – Jackfish Lake Moose and Elk Monitoring Program</b></p>	<p>BC Hydro is initiating a moose and elk monitoring study on the south bank of the Peace River, around the Jackfish Lake Road area, and in the area of the transmission corridor right-of-way.</p> <p>The first phase of the study will take place between winter 2012 and spring 2013, and will involve the capture and outfitting of 32 moose and elk with GPS collars.</p> <p>Aerial net gun capture will be used to capture animals for collaring.</p> <p>Phase II will involve 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>December 2012 – April 2015</p> <p><i>Phase I, capturing and collaring, will occur between December 2012 and March 2013</i></p> <p><i>Capture and collaring of study animals will not commence until a permit has been issued.</i></p>
<p><b>Physical Environment Studies - Climate &amp; Air Quality Monitoring in the Peace River Valley</b></p>	<p>BC Hydro is collecting climate and air quality data from eight monitoring stations on private and BC Hydro owned land between Hudson’s Hope and Old Fort, south of Fort St. John. Up to seven new climate monitoring stations are planned to be installed in August and/or September in the Peace River watershed.</p> <p>Information on various climate parameters will be 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 and Halfway River.</p> <p>These data will be used to establish baseline conditions and to inform the effects assessment of the Site C project on in-valley climate and air quality in the area. Stations in the watershed will also be used 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>	<p>Ongoing monitoring from February 2009.</p>

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*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.*