

# Field Studies Information Sheet

## PEACE RIVER SITE C HYDRO PROJECT

### November - December 2008 Field Study Overview

BC Hydro continues to conduct environmental and engineering field studies on and around the Peace River, between the Williston Reservoir and the B.C.-Alberta border, as part of the Stage 2 evaluation of the potential Site C project. Below is an overview of studies that will be taking place in November and December. Additional study activities may occur; notice of these studies will be posted at [www.bchydro.com/sitec](http://www.bchydro.com/sitec).

#### November/December 2008 Overview:

Field Study (additional details are attached)	Timing
Peace River Angler & River-Based Recreational Use Survey	Nov– Dec
Water Temperature Monitoring in Peace River Tributaries	Nov– Dec
Wildlife studies in Peace River region	Nov– Dec
Climate Monitoring in Peace River region	Nov– Dec
Geotechnical Investigations in Peace River region	Nov– Dec
Reading of Slope Monitoring Instrumentation	Nov– Dec

Because much of the information currently known about the potential Site C project is almost 25 years old, information from new field studies is required to update engineering, environmental studies, and other technical work.

No decision has been made to build Site C. BC Hydro is taking a stage-by-stage approach to the evaluation of the potential project and is currently in Stage 2 – Project Definition and Consultation.

Field study updates are available on the website at [www.bchydro.com/sitec](http://www.bchydro.com/sitec) and in the Community Consultation Office: 9948 100th Avenue, Fort St. John.

#### SITE C FIELD STUDIES NOVEMBER/DECEMBER 2008

- Some field studies may require access to public and private land. BC Hydro will obtain permission before accessing private property.
- Ongoing, regular BC Hydro operations work may also be taking place on the Peace River and tributaries. This work is in addition to the Site C field study activities outlined here.

For further information, please contact:  
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FOR GENERATIONS

[www.bchydro.com/sitec](http://www.bchydro.com/sitec)

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Study Name	Description, location and access needed	Timing
<b>Peace River Angler and River- Based Recreational Use Survey</b>	<p>BC Hydro is conducting a monthly angler and river-based recreation use survey along the Peace River and tributaries between Peace Canyon Dam and the B.C.–Alberta border.</p> <p>This study will result in a detailed survey of current angler and recreational use and valid estimates of total angler effort and catch each year. Estimates of angler effort will be made using flyovers of the study area in fixed-wing aircraft.</p> <p>The average catch will be estimated from shore-based interviews at boat landing or fishing sites. Flyovers and interviews will be conducted on a monthly basis through 2008 and into 2009.</p>	<p>Commenced May 2008</p> <p><i>Surveys will run monthly through 2008 and into 2009</i></p>
<b>Water Temperature Monitoring in the Peace River Tributaries</b>	<p>BC Hydro is monitoring water temperatures in the Peace River tributaries using digital temperatures loggers.</p> <p>These loggers remain in the same position throughout the year and are held in place with blocks and cables. Access is needed twice a year to ensure that the loggers are working properly and to download stored data.</p> <p>Temperature loggers will be accessed in the following tributaries:</p> <ul style="list-style-type: none"> <li>• Wilder Creek/Cache Creek/Halfway Creek/Farrell Creek/Lynx Creek/Maurice Creek</li> </ul> <p>Researchers will access sites by vehicles, ATV or foot.</p>	November - December 2008
<b>Wildlife Studies in the Peace River region</b>	<p>BC Hydro is conducting wildlife surveys in the Peace River area from Hudson's Hope to the B.C.-Alberta border.</p> <p>Surveys will include :</p> <ul style="list-style-type: none"> <li>• Waterfowl Surveys</li> <li>• Fisher Surveys</li> </ul> <p>Fisher hair snagging boxes are set-up within a 10.9 square kilometre (4.2 square mile) grid between the Peace Canyon Dam and the potential Site C dam location. Visits to the sites to place bait and collect hair samples will occur monthly during winter 2008-2009</p> <p>Access to the survey areas will be by vehicle, boat and/or helicopter.</p>	November-December 2008

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<p><b>Climate Monitoring in the Peace River region</b></p>	<p>BC Hydro is initiating collection of wind data to assist in the engineering evaluations for the potential Site C project. Five temporary wind monitoring stations will be installed on private and BC Hydro owned land between Hudson's Hope and the potential Site C dam location.</p> <p>Permission from land owners will be obtained prior to access or installation. There will be no subsurface ground disturbance associated with the placement of these temporary stations.</p> <p>Access to the sites of the wind monitoring stations will be by vehicle.</p>	<p>November-December 2008</p>
<p><b>Geotechnical Investigations</b></p>	<p>BC Hydro is drilling and conducting foundation investigations on the north and south banks of the Peace River in the area of the potential Site C dam.</p> <p>This work involves drilling, sampling and installing instrumentation to monitor and assess foundation conditions at the site of the potential dam.</p> <p>North bank access will be by vehicle via the north bank access road.</p> <p>South bank access will be by road via Chetwynd and boat from the north bank.</p>	<p>November - December 2008</p>
<p><b>Reading of Slope Monitoring Instrumentation</b></p>	<p>BC Hydro is performing a program to read slope monitoring instruments and to confirm and document surface geology at various sites along the north and south banks of the Peace River, upstream from the potential Site C dam area, and at various sites along the Highway 29 corridor.</p> <p>There will be no drilling or construction machinery use. Work will include surveying and running probes down boreholes to existing instrumentation to take readings where possible.</p> <p>Crews of 2-5 people will access sites by vehicle and foot. Helicopters may be used where vehicle access is not possible.</p>	<p>November - December 2008</p>