

ENVIRONMENT AND SOCIO-ECONOMIC

Vegetation and Wildlife

Report: 32. Peace River Site C Hydro Project - Stage 2 Baseline Vegetation and Wildlife Report

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Summary: This report summarizes baseline vegetation and wildlife data collected over three years (2005, 2006 and 2008) within the potential Site C project area. The report provides detailed results of the 2008 program components and a review of other data available within the project area and region. The scope of the project was to collect baseline data including wildlife species presence, distribution and abundance. Taxa identified in the scope of study that required surveys include raptor and heron nest sites, amphibians, owls, breeding birds, butterflies, dragonflies, vascular plants, bats, waterfowl, ungulates and rare ecosystems.

The wildlife study area extended from Hudson's Hope to the Alberta border, encompassing the Peace River corridor (63,965 hectares) and the transmission line corridor. The river corridor encompassed the entire river valley including the floodplain and ascending slopes, extending approximately 2 kilometres on either side of the Peace River. The transmission line corridor extended 500 metres on either side of the existing transmission line between Hudson's Hope and the location of the potential Site C project. A table summarizing study results can be found in the *Stage 2 Report: Consultation and Technical Review*.

Added July 2010

Baseline Vegetation and Wildlife Report Addendum #1

This addendum to the Stage 2 Baseline Vegetation and Wildlife Report provides a summary of the baseline data collected in 2008 and 2009 for fisher, ungulates and Stone's sheep and provides a review of furbearer presence within the project area and region.

Added July 2010

Baseline Vegetation and Wildlife Report Addendum #2

This addendum to the Stage 2 Baseline Vegetation and Wildlife Report provides a summary of the baseline data collected in 2009 on the northern myotis bat occurrence and habitat use within the project area and within the region, and the assessment of bat habitat availability at a regional scale.