

ENVIRONMENT AND SOCIO-ECONOMIC

Vegetation and Wildlife

Report: 33. Terrestrial Ecosystem Mapping of the Peace River Study Area
Baseline Inventory Surveys 2007

Prepared by: Keystone Wildlife Research Ltd.

Summary: This report describes the methods and summarizes the results of Terrestrial Ecosystem Mapping (TEM) completed at a 1:20,000 scale for the Peace River Corridor. Coverage includes 2km on either side of the Peace River between Hudson's Hope and the Alberta boarder and 500m on either side of the potential transmission line running between the potential Site C dam and the Peace Canyon dam switchyard. Three of the larger drainages (Cache Creek, Halfway River and Moberly River) were also mapped up to 10 km beyond their confluence with the Peace River.

TEM mapping provides quantitative information about the physical environment and vegetation characteristics of an area of interest, and can be used to assess potential impacts of various land management scenarios. TEM mapping can be used to link habitat within the mapped area with habitat characteristics required by wildlife species. The resultant habitat suitability maps can then be analysed to assess the potential effects of land management scenarios on particular wildlife species.