ietre rly	Current Conditions Location	Reservoir Conditions and Preliminary Impact Lines Related Proposed Reservoir
''y	This map sheet covers Moberly River, and extends approximately 2 kilometres to 10 kilometres upstream from the confluence with Peace River.	Within this map sheet, the proposed Site C reservoir would have metres.
	Geology and Topography The north and south side of Moberly River generally comprises high bedrock slopes overlain by interbedded sand, silt and clay. The upper slopes tend to be steep while the lower slopes tend to be shallower and covered by colluvium (landslide debris).	Preliminary Impact Lines Most of the slopes immediately above the proposed Maximum N Consequently the flood impact line would be located close to th filled. The exception is at the upstream end of the proposed rese further upstream on the low-lying Moberly River floodplain.
		The shoreline materials typically comprise shale bedrock overlai will erode through the colluvium and form a narrow beach or fore
		The erosion impact line is typically located between 50 and 15 depends on the estimated thickness of the colluvium and the ste
		The stability impact line along both sides of the river is located high bank slopes.
	Agriculture Assessment Improved (irrigated and/or drained) agricultural land capability ratings are provided for the Site C project component areas where additional soil survey work has been undertaken as part of the Agriculture Assessment. For remaining lands outside the Site C project component areas, including the Peace River valley downstream of the Site C dam, unimproved agricultural land capability ratings are provided. The unimproved ratings reflect published agricultural capability maps from the 1970s, based on an assumed low climatic moisture deficit (CMD) during the growing season in the range of 34 mm. However, subsequent climate studies have confirmed much drier conditions in the Peace River valley, with a CMD in the range of 148 mm, which results in a Class 3 unimproved climatic capability rating. With irrigation, it is likely that Peace River valley soils downstream of the Site C dam historically rated as Class 2 or Class 3 with aridity or soil water holding capacity limitations, which would now be rated as unimproved Class 3 due to climatic limitations, would improve to Class 2 or Class 1 with irrigation.	 Land Use Within Preliminary Impact Lines BC Hydro has developed an approach to land use on private profocuses on public safety, maximizing flexibility for land owners, a project. BC Hydro's approach would be as follows: BC Hydro would purchase land between the current rivel reservoir, up to the Maximum Normal Reservoir Level (4. No new residential structures would be permitted within it Non-residential structures could remain, pending site speet. Within the Stability Impact Line, existing residential struct owner's request and provided a site-specific geotechnication. Within the Flood, Erosion or Landslide-Generated Wave not be permitted to remain, to protect public safety. Other activities such as agriculture, grazing and trapping. The establishment of reservoir impact lines is intended to ensure flexibility, and to minimize the amount of land required by the provided a solution of the impact lines. Where impacts and implications or be avoided, BC Hydro will identify and evaluate options for mitig BC Hydro is meeting directly with property owners whose land minterests.

BC Hydro defined the Peace River Valley as a spatial area, reflecting the Peace River mainstem from the Peace Canyon Dam to the B.C.–Alberta border. The upper edge of the Peace River Valley is defined as the crest of the top of high bank slopes, typically between El. 620 and 850m. The purpose of spatially defining the valley was to provide a consistent area for use where relevant in the Environmental Impact Statement.

Map 17 of 26 – Moberly River

March 2013 ed to the Proposed Site C Reservoir

ve a width typically ranging from 250 to 450

Normal Reservoir Level are moderately steep. the reservoir shoreline when the reservoir is first eservoir where the flood impact line would extend

lain by colluvium. Over time, wind-generated waves oreshore area.

150 metres of the shoreline, and this distance steepness of the natural slope.

ed at the top of the valley above the crest of the

property within the impact lines. The approach , and minimizing the amount of land required by the

ver shoreline and the area required for the proposed (461.8 metres above sea level) n impact lines

pecific geotechnical assessment

uctures could remain for a period of time, at the cal assessment determines that it is safe to do so e Impact Line, existing residential structures would

ng could continue within the impact lines

ure public safety while maximizing land use project. BC Hydro will purchase the property rights on zoning, land use and property acquisition cannot tigation.

I may be impacted to discuss their specific property







