

Carmacks to Stewart Crossing Power Transmission Line

ISSUES AND RECOMMENDED MITIGATION BY RENEWABLE RESOURCES

Note: Sections 1 to 4 are identifiers by Renewable Resources, Environmental Assessment and are not formal construction sections identified by the proponent.

Section 1 – Airport Power Line Crossing to Tatchun Lake Junction			
Issue	Location	Reviewer	Recommended Mitigation
Deer Winter Range	Tantalus Butte	Kirby Meister	<ul style="list-style-type: none"> Possible construction during July to October Locate high use areas for further research/reference Locate and review deer study by Manfred Hoefs
Peregrine falcon aerie	Tantalus Butte	Kirby Meister	<ul style="list-style-type: none"> Locate and reroute if possible Refer to Wildlife Habitat Protection Guidelines, Section 15
Aesthetic Viewing Visual impairment	Five Finger Rapids (34 ha recreation site)	Kirby Meister Afan Jones	<ul style="list-style-type: none"> Route RoW easterly, to the east side of the hill, east side of the highway, before the viewing lookout and passing to the east of Tatchun Campground.
Salmon / fish impacts Salmon spawning area	Tatchun Creek	Kirby Meister Susan Thompson	<ul style="list-style-type: none"> Fisheries and Oceans (DFO) guidelines. Route and Tatchun creek crossing 100m (?) east of Tatchun Creek Campground easterly boundary.
Aesthetic Viewing Visual impairment	Tatchun Creek Campground (1.2 ha, km 381)	Afan Jones Bruce Bennett	<ul style="list-style-type: none"> Route RoW to the east of the campground. Continue northward, up hill to intersect with Tatchun lake road, then back to Klondike highway RoW if required.
Bear Awareness	Entire Route	Morris George	<ul style="list-style-type: none"> No garbage disposal at construction site or camps. Haul garbage to designated landfill sites at Carmacks, Pelly Crossing and Stewart Crossing. Construct or rent temporary bear proof garbage containers behind camp kitchen for garbage storage before removal. Recommend garbage removal at least once every two days.
Wildlife Crossing General Aesthetics	Entire Project	Mark O'Donoghue John Russell	<ul style="list-style-type: none"> Where possible a treed buffer a minimum of 30m should be left between the highway and the line RoW to provide escape cover for wildlife crossing the RoW's and secondly, to provide a visual buffer for aesthetic purposes.

Section 2: Tatchun Lake Junction to Minto Hill			
Issue	Location	Reviewer	Recommended Mitigation
Deer Range High use habitat and fawning	West & south facing slopes from Carmacks to Minto	Kirby Meister Mark O'Donoghue Bruce Bennett Val Loewen	<ul style="list-style-type: none"> Locate and identify especially sensitive areas May require construction windows to avoid these areas during high use.
Spring Bear Use	West & South Facing Slopes	Bruce Bennett Kirby Meister Mark O'Donoghue	<ul style="list-style-type: none"> Awareness of bear presence. Responsible garbage and food management at construction camps.
Raptor Habitat	River Bluffs and nearby hills	Bruce Bennett	<ul style="list-style-type: none"> Avoid these areas to reduce collisions with nesting raptors and potential electrocution by raptors perching on poles.
Migrating Raptors	Highway RoW	Bruce Bennett	<ul style="list-style-type: none"> Awareness that spring brings migrating raptors such as the Northern Harrier searching for rodents along RoW's.
Rare Plants	Unforested areas & meadows, open poplar Cmks to McCabe Ck	Bruce Bennett	<ul style="list-style-type: none"> Route through spruce forest and during winter Winter construction should be cognizant of high deer areas. Review examples of low impact area on Campbell highway and high impact in Braeburn / Nordenskiold areas. Review pole placement locations for rare plant densities in high risk areas.

Section 3: Minto Hill to Pelly Airstrip			
Issue	Location	Reviewer	Recommended Mitigation
Wetland / Waterfowl Habitat - Designated Special Management Area Under Land Claims Settlement	Lhutsaw Lake Rock Island Lake	Val Loewen Bruce McLean Bruce Bennett	<ul style="list-style-type: none"> Route line on west side of Klondike highway to avoid wetland areas. No drainage of smaller lakes north of Rock Island lake.

Section 4: Pelly Airstrip to Stewart Crossing			
Issue	Location	Reviewer	Recommended Mitigation
Wetland / Waterfowl Habitat	Willow Creek Area West side of highway	Mark O'Donoghue Val Loewen	<ul style="list-style-type: none"> Route line along east side of Klondike highway from Pelly airstrip, northwards past Jackfish lake
Jackfish Lake Park Reserve (182 ha)	Jackfish lake km 500 (?)	Afan Jones	<ul style="list-style-type: none"> undeveloped park reserve on west side of highway route RoW on east side of highway or adjacent on west side