

December 22, 2017

Appendix B

ENVIRONMENTAL ATTRIBUTES OF THE ROW FOR THE MODERNIZATION OF ELECTRICAL INFRASTRUCTURE NEAR NEGUAC, NEW BRUNSWICK

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGISTRATION FOR THE MODERNIZATION OF ELECTRICAL TRANSMISSION INFRASTRUCTURE NEAR NEGUAC, NEW BRUNSWICK

December 22, 2017

	Line Phase I	PDA Phase I	Line Phase II E-W	PDA Phase II E-W	Line Phase II N-S	PDA Phase II N-S
Total Length/Area	22.98 km	70.5 ha	23.3 km	70.9 ha	29.2 km	89.6 ha
Length Following Existing Corridors	21.88 km	-	23.3 km	-	29.2 km	-
Required New Corridor	1.1 km	-	-	-	-	-
Watercourses, Wetlands and Waterbodies						
Watercourse Crossings (< 30m wide)	9		8		14	
Watercourse Crossings (> 30m wide)	-		-		-	
GeoNB Mapped Wetlands	1.1 km	3.3 ha	1.1 km	3.3 ha	0.1 km	0.4 ha
NBHN Wetlands	1.1 km	3.3 ha	1.1 km	3.2 ha	0.1 km	0.4 ha
Provincially Significant Wetlands	-	-	-	-	-	-
30 m Buffer of Watercourses, Wetlands and Waterbodies	5.2 km	15.0 ha	3.7 km	13.4 ha	1.7 km	5.4 ha
Field identified wetlands	4.3 km	13.5 ha	5.7 km	15.1 ha	0.2 km Not Complete	0.8 ha Not Complete
Potentially Wet Areas (UNB)	6.4 km	19.3 ha	7.2 km	21.6 ha	7.2 km	21.8 ha
Waterbodies	0.01 km North Branch Burnt Church River	0.03 ha North Branch Burnt Church River	0.02 km North Branch Burnt Church River	0.03 ha North Branch Burnt Church River	0.04 m 1 pond and 2 Rivers: Big Eskedelloc River, Tabusintac River	0.2 ha: 2 ponds and 2 Rivers: Big Eskedelloc River, Tabusintac River
Designated Lands/Public vs. Private Lands						
Crown Land	14.5 km	44.3 ha	14.4 km	43.9 ha	14.4 km	44.0 ha
Private Land	7.5 km	23.4 ha	7.8 km	24.1 ha	14.4 km	44.4 ha
Freehold Land	-	-	-	-	0.4 km	1.2 ha
Number of Crown Land Properties	1	2	1	1	3	3
Number of Private Properties	53	57	54	59	96	128
First Nations Lands: Property not located on Reserve	0.9 km	2.8 ha	1.0 km	2.9 ha	-	-
Military Base	-	-	-	-	-	-
Municipal Areas	1.7 km Village of Neguac	5.7 ha Village of Neguac	2.1 km Village of Neguac	6.6 ha Village of Neguac	-	-
Existing Mining Claims	-	-	-	-	-	-
Mining Agreements	-	-	-	-	9.6 km Right No. 2004-443 XSTRATA Canada Corporation	29.1 ha Right No. 2004-443 XSTRATA Canada Corporation

	Line Phase I	PDA Phase I	Line Phase II E-W	PDA Phase II E-W	Line Phase II N-S	PDA Phase II N-S
Protected Areas						
Protected Natural Areas	-	-	-	-	-	-
Candidate/Proposed Protected Natural Areas	-	-	-	-	-	-
Provincial Parks	-	-	-	-	-	-
Federal Protected Areas	-	-	-	-	-	-
Protected Wellfields	-	-	-	-	-	-
Wildlife Refuges and Management Areas	-	-	-	-	-	-
Deer Wintering Areas	-	-	-	-	-	-
Formerly Designated Deer Wintering Areas	-	-	-	-	-	-
Old Forest Communities and Old Forest Wildlife Habitats	0.3 km	0.5 ha	-	2.1 ha	-	0.6 ha
Formerly Designated Old Forest Communities and Old Forest Wildlife Habitats	-	-	-	-	-	-
Protected Watersheds	-	-	-	-	-	-
Infrastructure						
Pipeline Crossings	-	-	-	-	-	-
Number of Road Crossings	4	-	3	-	7	-
Number of Railway Crossings	-	-	-	-	-	-
Number of Trail Crossings: trail often follows transmission line corridor	1.2 km	-	19.6 km	-	0.9 km	-
Sensitive Areas/Species at Risk						
ACCDC Managed Areas	-	-	-	-	ACCDC data not ordered for this line	
Environmentally Significant Areas	-	-	-	-	2 ESAs near line: Bartibog/Greystone Brook (280m) and Highway 8 Road-Cut (120 m)	
Fish Hatcheries	-	-	-	-	-	-
ACCDC Fish Habitat *streams within Tabusintac River included in this dataset, which crosses only the N-S Phase II line*	-	-	-	-	Atlantic Salmon - Gaspé - Southern Gulf of St Lawrence pop.	
Rare Species (Species at Risk or Species of Conservation Concern)	-	-	-	-	ACCDC data not ordered for this line	
Socioeconomic						
Pits/Quarries/Mines	-	-	-	-	-	-
Educational Building	-	-	-	-	-	-
Cemeteries	-	-	-	-	-	-
Religious Building	-	-	-	-	-	-
Buildings	-	-	-	-	-	-

	Line Phase I	PDA Phase I	Line Phase II E-W	PDA Phase II E-W	Line Phase II N-S	PDA Phase II N-S
Land Reserved for Residential Purposes	-	0.05 ha	0.1 km	0.5 ha	-	0.04 ha
Towers	-	-	-	-	-	-
Landfills	-	-	-	-	-	-
Historic Sites	-	-	-	-	-	-
Industrial Sites	-	-	-	-	-	-
Land Reserved for Industrial Purposes	0.1 km	0.4 ha	0.1 km	0.4 ha	-	-
Recreational Sites	-	-	-	-	-	-
Land Reserved for Recreational Purposes	-	-	-	-	-	-
Transformer Stations	-	-	1	1	-	-
Land Reserved for Transportation, Communication and/or Utilities	13.0 km	29.3 ha	16.6 km	41.2 ha	28.6 km	83.6 ha
Agriculture	0.04 km	0.1 ha	0.5 km	1.6 ha	-	0.1 ha
Forest	5.2 km	26.2 ha	0.01 km	11.4 ha	-	3.9 ha
Shrubland	-	-	-	-	-	-
Blueberry Fields	0.2 km	0.7 ha	0.1 km	0.4 ha	0.2 km	0.7 ha
Physical						
Steep Slopes (> 25 %) Based on 50 m Elevation Model	-	-	-	-	-	-
Archaeology						
Palaeo Shoreline	Class 2: 3.2 km Class 3: 7.4 km	Class 2: 9.6 ha Class 3: 22.4 ha	Class 2: 3.1 km Class 3: 7.4 km	Class 2: 9.6 ha Class 3: 22.4 ha	ASU data not ordered for this Area	
Registered Sites	-	-	-	-		
High Potential	1.0 km	3.1 ha	0.7 km	2.2 ha		
Medium Potential	1.6 km	5.0 ha	1.4 km	4.2 ha		
Watercourse Confluence	0.3 km	1.0 ha	0.1 km	0.2 ha		
Waterbody Confluence	-	-	-	-		

No Sugaries

