

APPENDIX C
ENVIRONMENTAL IMPACT SUMMARY

APPENDIX C: ENVIRONMENTAL IMPACT SUMMARY TABLE

The following table summarizes the identified impacts associated with the site investigation activities at the DND DEW Line sites and the required mitigative actions.

Description	Significance	Monitoring/ Mitigation Requirements
Degradation of permafrost due to test pit excavation activities	Potentially significant in excavations in ice rich ground	<ul style="list-style-type: none"> • Backfill excavations as soon as practical • Replace vegetation cover or topsoil as soon as possible after excavation
Potential risks to soils, terrestrial and aquatic habitat and human safety from accidental events, such as fuel spills	Potentially significant in the case of spillage	<ul style="list-style-type: none"> • Development of a contingency plan outlining procedures to follow in the event of an accidental spill, such as secondary containment • Training and education of personnel in emergency procedures • Proper fuel handling and storage techniques (particularly when refuelling equipment)
Disruption of heritage sites from test pit excavation activities and activities of on-site personnel	Potentially significant (prior to mitigation) in areas of high archaeological resources	<ul style="list-style-type: none"> • Report and record any features of potential interest, ensure areas are clearly marked • Monitor during excavation for additional features • All personnel to be discouraged from visiting archaeological and other heritage sites • Removal or disturbance of artefacts prohibited
Effect of site investigation activities and/or personnel (e.g. disturbance) on habitats and vegetation	Potentially significant on previously undisturbed areas	<ul style="list-style-type: none"> • Use of ATVs and other vehicles to be restricted to existing roadways (where possible)
Effect of site investigation activities on wildlife (i.e. noise or disturbances)	Potentially significant on sites where wildlife was noted	<ul style="list-style-type: none"> • Avoid fish or wildlife interaction during site activities • Activities in undisturbed tundra to be minimized
Effect of camp operations on habitats, vegetation, wildlife and heritage resources	Potentially significant in previously undisturbed areas and areas where wildlife was noted	<ul style="list-style-type: none"> • Site camp will be housed in an existing DEW Line facility away from the undisturbed tundra. • Camp storage areas will be located on previously disturbed areas and at least 30 m from the nearest water body or drainage course. • Store camp waste (i.e. kitchen) in animal proof containers to prevent scavenging by wildlife • Dispose of domestic garbage and sewage in such a manner that waste is removed from contact with the environment
Use of local services and northern support staff during implementation of site investigation activities	Positive impact on northern socio-economic development	<ul style="list-style-type: none"> • Maximize employment and business opportunities in the North