



Coppermine Project Baseline Data

Physical Environment

The Coppermine River Project is situated approximately 7km southwest of the Hamlet of Kugluktuk. The Property lies outside any federally or territorially designated Protected Areas. The Kugluk Territorial Park is surrounded by 4 mineral claims owned by Tundra Copper Corp. in the eastern portion of the Property. The Coppermine River crosses through the eastern portion of the Property and through the Kugluk Territorial Park. The nearest protected areas to the Property are: the Lamberta Channel Migratory Bird Habitat - 80km northeast, the Tuktu Nogait National Park (NWT) - 200 km northwest, the Thelon Wildlife Sanctuary - 520km southeast, and the Queen Maud Gulf Migratory Bird Sanctuary - 467km southeast. According to the DNLUP, portions of the Property are situated within Caribou Summer and Late Summer Areas, Caribou Migration Corridors, Char Areas of Abundance, and the Kugluktuk community drinking water supply. The non-contiguous single claim of the Property where the camp is proposed to be is within the Caribou Rutting Areas. The nearest Caribou Water Crossing is 4km north of the central portion of the property.

There are no known archaeological/paleontological sites on the Property that Tundra Copper Corp. is aware of. If any artifacts or sites are discovered, work will stop immediately and the NU Department of Culture and Heritage, CIRNAC, and the Kitikmeot Inuit Association (KIA) will be notified. Nothing will be removed, disturbed, or displaced at any archaeological/paleontological site. A 2015 archaeological assessment by Points West Heritage Consulting was completed on the Property for the 2015 drill program which reviewed 28 proposed drill sites: 25 had low and three had moderate archaeological potential, with no high-potential areas identified. No sites were found at two moderate-potential locations, and at the third, observed features were over 100 m from the drill site and protected by natural topography.

Tundra Copper Corp. is not aware of any recreational, sport, or commercial fishing areas; other breeding, spawning, or nursery habitats; other protected wildlife or other protected areas; ground or slope instability; seismic activity; thermokarsts; or ice lenses within the Property boundary. The Kugluk Territorial Park is bordered by four mineral claims owned by Tundra Copper Corp. in the eastern part of the Property. The territorial park is a public recreational, sport, and commercial fishing area with varying number of visitors year-round. Work will not be conducted within a **1km buffer** around the park due to its potential to host public persons and activities. The Coppermine River passes through the eastern portion of the Property and through the Kugluk Territorial Park. Although the river has been nominated,



but has not yet been fully designated, as a Canadian Heritage River, Tundra Copper Corp. will not conduct any work within 1 km of the bank on either side.

Exploration programs in northern regions are typically small-scale and conducted seasonally, primarily due to weather constraints. Given the brief duration of these programs, their low-impact nature, and the remote setting of the property, significant impacts on air and noise quality are not expected. Potential impacts on air and noise quality resulting from activities at the Coppermine River Property for the 2026/2027 program (and subsequent programs) are from usage of helicopters, emissions from generators, emissions from incineration, drilling operations, and diesel generators.

The Property is situated within the Coronation Hills ecoregion (southern Arctic ecozone) with low arctic ecoclimate. Mean annual temperatures are recorded at -11°C where the summers' mean temperature are recorded at 5°C and the winters' mean temperature at -26°C . Precipitation is minimal with a mean annual precipitation of approximately 300mm but the soils are often waterlogged or frozen. The ecoregion features broad, rounded low hills and lowlands made up of Paleozoic carbonates and layered, faulted, and folded Proterozoic sediments. Elevations across the area range from about 200 to 600 m above sea level.

Permafrost occurs continuously throughout the Southern Arctic Ecozone lying sometimes just a few centimetres below the surface. The ecoregion is composed of large, rounded, low hills and lowlands consisting of Palaeozoic carbonates and stratified, down-faulted, and folded Proterozoic sediments

Bedrock Geology comprises of easterly-trending copper-bearing belt of Meso-Proterozoic continental flood basalts and associated marine sedimentary rocks of Neo-Proterozoic age.

Biological Environment

Vegetation on the Property is mainly shrub tundra, dominated by dwarf birch, willow, northern Labrador tea, Dryas species, and sedge tussocks. Taller dwarf birch, willow, and alder grow in warmer areas, while wetter sites are dominated by willow and sedge. The landscape also includes patches of tundra vegetation mixed with open, dwarf coniferous forest. Other plant species that grow in the Southern Arctic include heath, lichen, sphagnum moss, cottongrass, ericaceous shrubs, Vaccinium, fragrant shield fern, shrub birch, crowberry, bearberry, moss campion, blueberry, mountain cranberry, cloudberry, and alpine club moss.



Characteristic wildlife in the Coronation Hills ecoregion includes caribou, moose, grizzly bear, snowshoe hare, fox, wolf, coyote, raptors, seabirds, and waterfowl. Marine species include walrus, seal, polar bear, and whale.

Species of concern in the Property (under SARA) include Caribou (Barren-ground, Dolphin and Union, and Peary), Grizzly Bear, Polar Bear, Wolverine, Eskimo Curlew, Harris' Sparrow, Peregrine Falcon, Red-necked Phalarope, Rusty Blackbird, and Short-eared owl. Tundra Copper Corp. acknowledges that project activities may pose potential risks to wildlife, particularly species at risk. While all wildlife will be respected and protected during operations, special attention will be given to the species identified above. Wildlife observations will be documented and included in Annual Reports submitted to NIRB, CIRNAC, and the NWB, and any human-wildlife interactions will be reported immediately.

Socio-economic Environment

The Coppermine River Project is situated approximately 7km southwest of the Hamlet of Kugluktuk. The Property lies outside any federally or territorially designated Protected Areas. The Kugluk Territorial Park is surrounded by four mineral claims owned by Tundra Copper Corp. in the eastern portion of the Property. The Coppermine River crosses through the eastern portion of the Property and through the Kugluk Territorial Park. A huge portion of the Property is recognized as "Areas with Evidence for Mineral Potential" according to the DNLUP.

There are no known archaeological, paleontological, or culturally significant sites on the Property and its adjacent area. A 2015 archaeological assessment by Points West Heritage Consulting was completed on the Property for the 2015 drill program which reviewed 28 proposed drill sites: 25 had low and three had moderate archaeological potential, with no high-potential areas identified. No sites were found at two moderate-potential locations, and at the third, observed features were over 100 m from the drill site and protected by natural topography.

Considering its remote location and the limited access (only by helicopter or float plane), there are no known harvesting, touring, trapping, and guiding operations in the property. Local and regional traffic patterns are very infrequent due to the Property's limited access – the only traffic made are due to exploration programs by Tundra Copper Corp. The property is not inhabited by locals therefore human health (i.e. state of wellbeing including physical, social, psychological, and spiritual aspects) are not applicable to the project proposal. All exploration activities will be planned with consideration for potential impacts on cultural values, including subsistence harvesting and water quality. The project is not expected to



affect local or regional traffic patterns or local human health due to its remoteness. The Kugluk Territorial Park is bordered by four mineral claims owned by Tundra Copper Corp. in the eastern part of the Property. The territorial park is a public recreational, sport, and commercial fishing area with varying number of visitors year-round. Work will not be conducted within a 1km buffer around the park due to its potential to host public persons and activities. The Coppermine River passes through the eastern portion of the Property and through the Kugluk Territorial Park. Although the river has been nominated, but has not yet been fully designated, as a Canadian Heritage River, Tundra Copper Corp. will not conduct any work within 1 km of the bank on either side.