NIRB Application for Screening #125661

TTMG Project

Application Type:	New
Project Type:	Mineral Exploration
Application Date:	2/11/2022 3:59:04 PM
Period of operation:	from 0001-01-01 to 0001-01-01
Proposed Authorization:	from 0001-01-01 to 0001-01-01
Project Proponent:	Greg Bronson Bathurst Metals 700 - 1199 West Hastings Street Vancouver BC V6E 2T5 Canada Phone Number:: 6047858894, Fax Number::

DETAILS

Non-technical project proposal description

English: Bathurst Metals Corp (www.bathurstmetalscorp.com) is a Vancouver based junior mining company focused on exploring and developing mineral properties in Nunavut, Canada. Bathurst Metals Corp holds a 100% interest in the Turner Lake, TED, McAvoy Lake and Gela Lake mineral tenures ("claims" or "properties") which make up the TTMG Project. The TTMG Project ("TTMG" or the "Project") is located in the West Kitikmeot region of Nunavut. The claims are located on Inuit land parcel BB-38 and are administered by the Kitikmeot Inuit Association (KIA). The Project is located approximately 180 km south of Cambridge Bay and 60 km north northwest of Bathurst Inlet. Bathurst Metals Corp proposes a 5000m diamond drilling program that will focus on known gold occurrences located on the Turner Lake and Ted claims. This year's drill program will operate seasonally during July and August is expected to take eight weeks to complete. If our work proves successful, our exploration work could take from five to ten years to complete (seasonal), followed by ten to twenty years for mine development, operation, and closure (year-round).No field camp will be required as the project will be based out of Bathurst Inlet Lodge. BMV geologists, drilling contractor and helicopter crew will enjoy the accommodation and catering services provided by the lodge. Ownership of the lodge is split 50:50 between the Warner family of Yellowknife and the Kapolak family of Cambridge Bay, under their business arm, Kingaunmiut Ltd. Day to day operation of the lodge is provided by Sam and Allen Kapolak along with their wives Susie and Connie. In total there will be up to four Bathurst Metals staff on the project made up of three geologists and one geotechnical/safety/first-aid person. The drilling contractor staff will consist of two drillers and two helpers.The helicopter crew will consist of a pilot and a field maintenance engineer. Up to three additional staff may be required for the project. Staffing projections include two Inuit students to work as field assistants. Ideally these two positions would appeal to those interested in pursuing a career in mineral exploration as they will gain experience in the technical aspects of mineral exploration. A third worker may be required to assist with the day-to-day operations of Bathurst Inlet Lodge in supporting the project. Crews will helicopter daily to and from the lodge to the drill location. The drilling program will use one diamond drill. The drill will be moved into the field and between drill pad locations using a helicopter. The drill will be diesel powered. Other equipment used at the drill may include a portable gas powered generator and a gas powered water pump.

French: Bathurst Metals Corp (www.bathurstmetalscorp.com) est une petite société minière basée à Vancouver qui se concentre sur l'exploration et le développement de propriétés minières au Nunavut, au Canada.Bathurst Metals Corp détient une participation de 100 % dans les titres miniers de Turner Lake, TED, McAvoy Lake et Gela Lake (« claims » ou « propriétés ») qui composent le projet TTMG. Le projet TTMG (« TTMG » ou le « projet ») est situé dans la région de West Kitikmeot au Nunavut. Les claims sont situés sur la parcelle de terre inuite BB-38 et sont administrés par la Kitikmeot Inuit Association (KIA). Le projet est situé à environ 180 km au sud de Cambridge Bay et à 60 km au nord-ouest de Bathurst Inlet.Bathurst Metals Corp propose un programme de forage au diamant de 5 000 m qui se concentrera sur les indices aurifères connus situés sur les concessions Turner Lake et Ted. Le programme de forage de cette année se déroulera de façon saisonnière en juillet et en août et devrait durer huit semaines. Si nos travaux s'avèrent fructueux, nos travaux d'exploration pourraient prendre de cinq à dix ans (saisonniers), suivis de dix à vingt ans pour le développement, l'exploitation et la fermeture de la mine (toute l'année).Aucun campement ne sera nécessaire car le projet sera basé à Bathurst Inlet Lodge. Les géologues du BMV, l'entrepreneur en forage et l'équipage de l'hélicoptère apprécieront les services d'hébergement et de restauration fournis par le lodge. La propriété du lodge est partagée à 50:50 entre la famille Warner de Yellowknife et la famille Kapolak de Cambridge Bay, sous leur branche commerciale, Kingaunmiut Ltd. L'exploitation quotidienne du lodge est assurée par Sam et Allen Kapolak avec leurs épouses Susie et Conni.Au total, il y aura jusqu'à quatre employés de Bathurst Metals sur le projet, composés de trois géologues et d'un géotechnicien/sécurité/premiers soins.Le personnel de l'entrepreneur en forage sera composé de deux foreurs et de deux assistants.L'équipage de l'hélicoptère sera composé d'un pilote et d'un technicien de maintenance sur le terrain.Jusqu'à trois employés supplémentaires peuvent être nécessaires pour le projet. Les prévisions de dotation comprennent deux étudiants inuits qui travailleront comme assistants de terrain. Idéalement, ces deux postes plairont aux personnes intéressées à poursuivre une carrière dans l'exploration minérale, car elles acquerront de l'expérience dans les aspects techniques de l'exploration minérale. Un troisième travailleur peut être requis pour aider aux opérations quotidiennes de Bathurst Inlet Lodge en soutenant le projet.Les équipages se rendront quotidiennement par hélicoptère vers et depuis le lodge jusqu'au lieu de forage.Le programme de forage utilisera une foreuse au diamant. La foreuse sera déplacée sur le terrain et entre les sites de forage à l'aide d'un hélicoptère. La foreuse sera alimentée au diesel. Les autres équipements utilisés lors de la foreuse peuvent comprendre un générateur à essence portatif et une pompe à eau à essence.

Inuktitut:

Inuinnaqtun: Bathurst Metals Corp (www.bathurstmetalscorp.com) Vancouver-guyuq pijutiqaqtuq

nukaqhiit uyarakhiuqtit havakviuyuq ihumagiyaqaqluaqtut qiniqhiayaagani pivalianiganiklu uyaraktaakhanik piqutinik Nunavumi, Kanatami. Kingaukmi Havigalik Kuapurisitkut pihimayuq 100%-mik piyumayamingnik talvani Turner Tahiq, TED, McAvoy Tahiq, Gela Lake-lu uyaraktaqviit (piyumayait uvaluniit nanminiuyut) una TTMG-guyuq Havaaq. Tamna TTMG Havaakhaq (TTMG unaluuniit Project) talvaniittuq Uataani Kitikmeoni Nunavunmi. Tamna uuktuqtunik piutikharnik nayugaqaqtuq talvani Inuit nunaani havagviani BB-38mi titiqiqidjutiliqivakhimayutlu talvanga Kitikmeot Inuit Katidjutiqatigiingit (KIA). Tamna Havaaqhaq nayugaqaqtuq taima 180nik kilaamitanik hivugaani Iqaluktuutiami 60nik kilaamitanik tunungani uataani Qingaukmi. Kingaukmi Havigalik Kuapulisitkut tukhiqtut 5000m diamondmik ikuutaqtut pinahuarutit tapkua turaaqhimayut ilihimayauyut goldmik pidjutauyut uvani Turner Lakemi uvalu Ted utirutit. Uvani ukiumi ikuutangnikkut pinahuarutit aulaniaqtut ukiutigut atuqtilugu Taaqhivaliavia unalu Niqiliqivik niriuktauyuq iinik havainirnik iniqtiriangani. Havaavut itquumakpata, qiniqhianikkut havaavut piyaaqtut talimanin qulinun ukiunik iniqtiriangani (ukiuq), malikhugit qulit ukiut 20nik ukiunik uyarakhiurnikkut pivalliadjutinun, auladjutinun, umiktirutaanunlu (ukiumi-tamaat).Maniqamiivikhaittuq haniqpani tangmarviit piyariaqangittut havaakhaq naunaiqtauhunguyut QingaukMi Lodge-mi. BMV-kut nunaliqiyit, ikuutaqtut katraqaqtut halikaaptakkutlu havaktit aliaginiaqtait hiniktarviit ukualu catering-nik ikayuutinik pipkagauyut lodge-kunit. Nanminiqaqtuq lodge aviktuqtauyuq 50:50 qitqani Warner ilagiit Yalunaimi uvalu Kapolak ilagiit Ikaluktutiami, ataani inmi nanminiqaqtut taliit, Kingaunmiut Ltd ublua ublunun auladjutainun lodge tuniyauyut Sam unalu Allen Kapolak unalu tes Susie unalu Connie. Attautimun hitamanik Qingaukmik Havigaliknik havaktunik havaaghatigut havaktauhimayut pingahunik nunaliqiyinik uvalu attauhiq nunamik/qayangnautikkut/qayangnautikkut/aaniqtiqnikkut inuk. Tamna ikuutarnikkut kaantulaaktit havaktiit piqarniaqtun malrungnik ayuiqhautikharnik malrungniklu ikayuutikharnik.Tamna halikaaptakkut havaktingit piqarniaqtun hivulliqpaamik uvalu maniqami ihuaqhaiyinik ihuaqhaiyinik. Pingahunut aadlat havaktit ihariagiyauniaqtut havauhikhamut. Havaktikhaqhiurnikkut itqurniarutait ilaujut malruk Inuinnait ilihaqtut havagiamingni ikajuqtiuplutik. Ihumagilugit ukuak malruuk havaak uuktufaarniaqtut ukuniga piyumayunik havaamik uyaraktaakhanik qiniqhiajutinik pivagiagani nutauniqhanik pijutauyunik uyaraktaakhanik qiniqhiajutinik. Pingahuat havakti ikayuqtaugiaqaqtuq ubluq tamaat auladjutikharnik Qingauk Lodgemi ikayuutikharnik havaaqharnik. Havaktiit halikaaptakkut ubluq tamaat talvunga talvangalu ikuutarnikkut nayugaanun. Tamna ikuutarniq ilihairutikhaq aturniaqtuq atauhirmik diamondnik ayuiqhautikharnik. Tamna ikuutarniq nuuniaqtuq maniqami qitqanilu ikuutarnikkut pad nayugait aturlutik halikaptakkut. Tamna ikuutaqhimayuq uqhuqyuaqtuqtauniaqtuq. Aalat tamayat atuqtauyut ikuutaqniqmi ilauyut nuutiqtaaqtut kaasit igniqutiqaqtut igniqutiqaqvik uvalu kaasiliit aulayut imap papiutit.

Personnel

Personnel on site: 17
Days on site: 50
Total Person days: 850
Operations Phase: from 2021-06-21 to 2023-09-20
Operations Phase: from 2022-06-25 to 2027-09-24
Closure Phase: from 2021-06-21 to 2027-09-20
Post-Closure Phase: from 2021-06-21 to 2021-07-20

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Turner Property drill location. This property has been drilled sporadically since the 1980's. The last drill activity was in 2008. There are core boxes stored on the property at the location used for past core logging activities. There are no other obvious signs of past work on the property.	Drilling	Inuit Owned Surface Lands	Historical diamond drilling and surface sampling conducted between 1986 and 1989 by Chevron Minerals and Silver Hart Mines. Diamond drilling and surface sampling last conducted by Rockgate Capital Corp. in 2008 and 2010.	No known archeological or paleontological sites are known to exist on the property.	The Project is located approximately 180 km south of Cambridge Bay and 60 km north northwest of Bathurst Inlet.
Ted Property drill location. This property was last drilled in 1986. There is a single stack of core boxes located at the historical camp location. No other indications of past activity are evident.	Drilling	Inuit Owned Surface Lands	This site has seen very limited surface sampling and diamond drilling. Gold mineralization was discovered in 1984-1986 during the last known systematic exploration conducted by Echo Bay mines.	No known archeological or paleontological sites are known to exist on the property.	The Project is located approximately 180 km south of Cambridge Bay and 60 km north northwest of Bathurst Inlet.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Cambridge Bay	Sam Kapolak	Kingaunmiut Ltd.	2021-08-21
Cambridge Bay	Connie Kapolak	Kingaunmiut Ltd.	2021-08-21
Cambridge Bay	Allen Kapolak	Kingaunmiut Ltd.	2021-08-21
Cambridge Bay	Susie Kapolak	Kingaunmiut Ltd.	2021-08-21
Cambridge Bay	Student Workers 1 & 2	Bathurst Metals Crop	2022-06-01
Cambridge Bay	Camp Worker	Bathurst Metals Corp	2022-06-01

Authorizations

Indicate the areas in which the project is located:

Kitikmeot

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Kitikmeot Inuit Association	License No. KTL 121B003	Active	2021-07-27	2023-07-26

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Fixed wing transport to and from Bathurst Inlet Lodge. Helicopter transport from Bathurst Inlet Lodge to drill locations on Turner and Ted claims.	

Project accomodation types

Community

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Helicopter	1	5m X 5m	Transportation to/from mineral claims from Bathurst Inlet Lodge
Portable Generator	2	0.5m X 0.5m	Gas powered portable generators to provide AC power for electrical devices and lighting at the drill location and at the core logging station
Portable Water Pump	1	0.5 X 0.5m	To provide water for the drill rig from local surface water sources
Drilling Rig	1	5m X 5m	Drill rig to collect core rock samples from the subsurface. Maximum weight of drill rig is no greater than 5500kg

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Lysol	hazardous	6	1	6	Liters	Disinfectant
Purell	hazardous	6	1	6	Liters	Hand Sanitizer
Waste Oil	hazardous	2	20	40	Liters	Waste oil from Helicopter maintenance
Aviation fuel	fuel	60	205	12300	Liters	Helicopter Fuel
Gasoline	fuel	5	205	1025	Liters	Fuel for portable generators and portable water pump
Diesel	fuel	50	205	10250	Liters	Fuel for drill rig
Propane	fuel	10	100	1000	Liters	Fuel for heating at drill rig and core logging tent
Waste Oil	hazardous	5	20	100	Liters	Waste oil from drill rig maintenance

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
30	A gas powered pump will be used to retrieve water	Small water bodies next to the drill location will be used to provide water for the drill.

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Drilling	Combustible wastes	100kg	Combustible wastes will be transported to Bathurst Inlet Lodge and incinerated at the Lodges waste management site	Material not combusted during the incineration process will be collected and transported to a licensed landfill.
Drilling	Hazardous waste	50kg	Hazardous waste will be collected and transported for recycling or disposal at an off-site registered facility.	
Drilling	Non-Combustible wastes	100kg	Non-combustible wastes will be collected and transported for recycling or disposal at an off-site registered facility.	
Drilling	Sewage (human waste)	50kg	A pit toilet will be dug and used for human waste while conducting drilling operations. The pit will be backfilled upon completion of the drilling activity for the season.	

Environmental Impacts:

Fuels - See Fuel Management Plan and Spill Prevention and Response Plan - the main storage area on titled land and will be managed with modern fuel management protocols according to our fuel management plan. The plan also covers how fuel is managed in the field. A limited amount of fuel will be held in the field at any given time (5bbls). BMV has a spill response plan in place. Spill kits at BIL fuel storage area and at drill location. Waste - managed appropriately according to type of waste. We endeavor to minimize waste generation. Use will use only environmentally friendly drill products. Consider and protect the environment when dealing with drill cuttings and waste drill water. Grey water not allowed to migrate into water drainage pathways. Drill water and drill cuttings will be contained on the drill pad location. Noise - wildlife disturbance. Maintain minimum safe flying distances away from wildlife. Bathurst Metals has wildlife contact mitigation protocols in place. No Camp - minimize new impacts on the environment, use existing infrastructure at Bathurst Inlet Lodge. Vegetation - some minor disturbance of vegetation may occur at the drill locations. Efforts will be made to minimize long term degradation of vegetation at the drill pad locations through use of timbers under the rig to isolate the ground surface from heat and other deleterious effects of the rigs operation. Permafrost - Efforts will be made to minimize long term degradation of permafrost at the drill pad locations through use of timbers under the rig to isolate the ground surface from heat and other deleterious effects of the rigs operation.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

The drill program is focused on delineating known Gold occurrences on the Turner Lake and Ted claims.

SECTION B2: Exploration Activity

Exploration drilling

SECTION B3: Geosciences

Bathurst Metals proposes to conduct further surface mapping and sampling on the mineral claims during the summer months when the ground is snow cover free. Bathurst Metals is currently licensed for this type of activity.

SECTION B4: Drilling

A 5000m drill program is proposed. It is estimated that the Turner Lake claim will require up to 20 drill holes of up to 200m depth with two to three drill holes per drill pad The Ted claim will require up to 10 drill holes of up to 100m depth with two to three drill holes per drill pad. All drilling additives/products/materials used will be environmentally friendly. Products may include drill string lubricants and lost circulation materials. All drill additives will be selected to eliminate environmental impacts. Drill cuttings will be left in shallow depressions adjacent to the drill location. The cuttings are non-hazardous, inert and non-toxic. Used drill water will be contained in shallow depressions adjacent the drill location.Upon completion, drill holes will be backfilled with a bentonite clay suspension in order to seal the drill hole from any water ingress from the surface and also prevent subsurface mixing of different ground water sources. All drill equipment will be mobilized to and from the drill locations using a helicopter.

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

The Turner Lake and Ted claims are on Inuit owned surface rights land. No known protected areas are on or anywhere near the claims location. There are no known parks, heritage sites, sensitive areas, recreational areas, fishing areas or breeding, spawning and nursery areas on or adjacent the claims. Data found online dating from the 1990's shows our claims are north and east of the main Caribou migration pathways. The claims are landlocked and are at least 15km from tide water. No eskers or other unique landscapes occur on the claims. The ground surface on both claims consists of outcrops of bedrock along hillsides and felsemeer (block fields) in less steep terrain. The topography of the Turner Lake property is moderately hilly with moderate to steep relief up to 200m. The area of interest for drilling on the Turner Lake claim sits in the Turner Lake drainage basin. Small rivulets and watercourses cross the area of interest and eventually drain into Turner Lake. Turner Lake drains in to Arctic Sound. The Ted property exhibits low relief with small hills up to 75m in elevation. The Ted property is generally low lying with several small water bodies dotting the surface. Surface water eventually drains into Arctic Sound. No evidence of thermokarsts or ice lenses have been noted on the claims. Permafrost is present on both claims however, the depth, stability, thickness and continuity of the permafrost is unknown.

Description of Existing Environment: Biological Environment

Both properties have tundra vegetation. Muskox and Caribou have been observed on the Turner Lake property however, the main Caribou migration route is thought to be further to the north and east from the properties. Lake trout are known to inhabit Turner Lake.

Description of Existing Environment: Socio-economic Environment

The closest community to the properties is Cambridge Bay which is 180km to the north east. The seasonal community of Bathurst Inlet lies 60km to the south east from the properties. The properties have seen minimal subsistence harvesting and guiding operations however, the properties are generally not used for those purposes.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Wildlife will likely not be affected by the type of exploration work proposed for the TTMG project. However, the noise from use of a helicopter for crew transport can impact wildlife. The pilot and crews will be instructed to remain vigilant regarding wildlife while flying on approaches to landing sites. In the event wildlife is observed in the vicinity of the landing area, an alternate landing site will be chosen to minimize impact to wildlife. And conversely, when a rendezvous site is occupied by wildlife, the pilot or crew will radio for an alternate pick-up spot away from wildlife. Minimum safe distance will be set a 500m from the closest animal.

Cumulative Effects

Impacts

Identification of Environmental Impacts

	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Construction																									
Drilling		-	-	N	-	-	-	-	-	-	-	-	N		-	-	-	-	-		-	-	-	-	-
Operation																									
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Decommissioning																									
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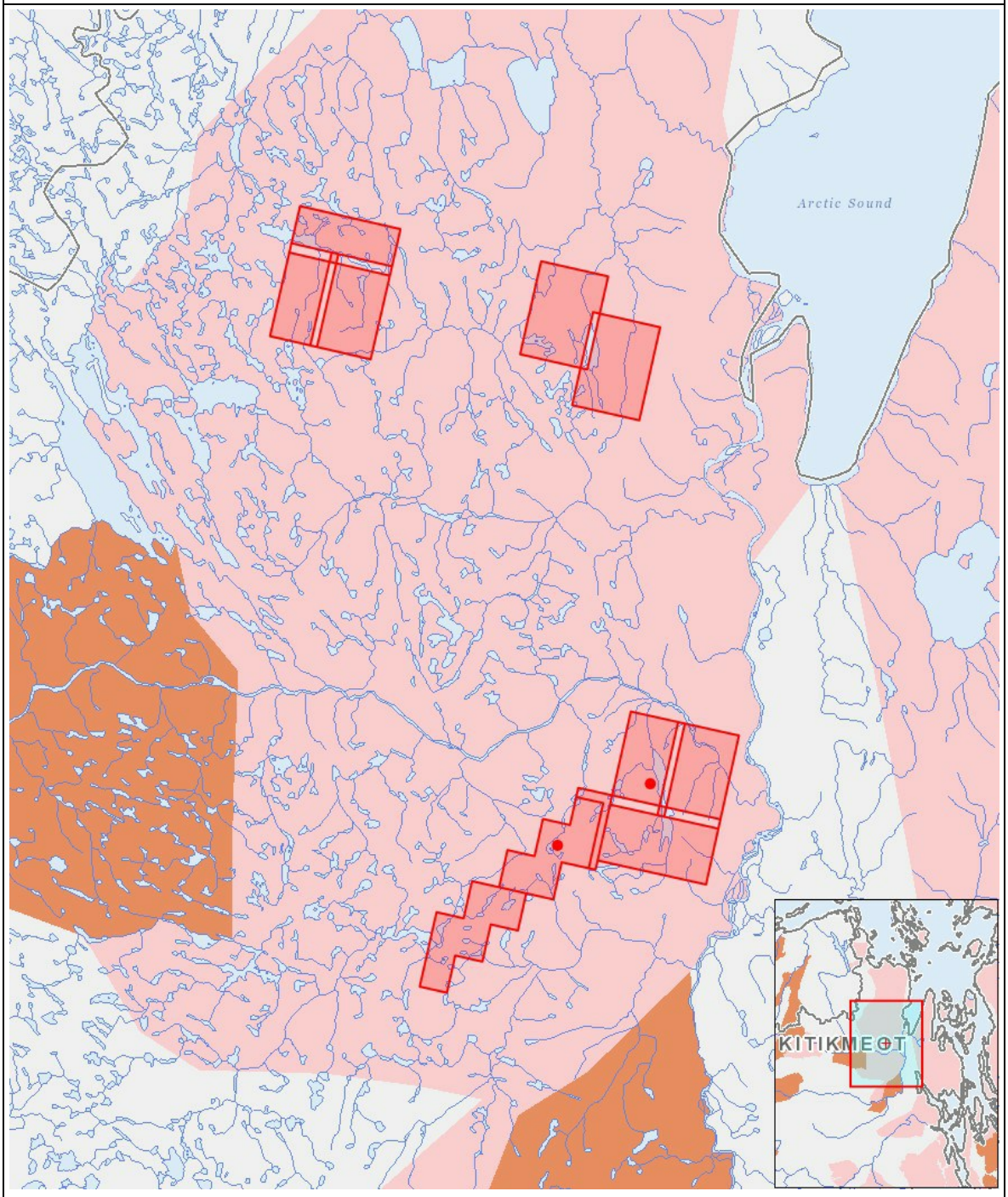
(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polygon	102507
2	point	Turner Property drill location. This property has been drilled sporadically since the 1980's. The last drill activity was in 2008. There are core boxes stored on the property at the location used for past core logging activities. There are no other obvious signs of past work on the property.
3	point	Ted Property drill location. This property was last drilled in 1986. There is a single stack of core boxes located at the historical camp location. No other indications of past activity are evident.