



DEPARTMENT OF  
GEOGRAPHY & PLANNING

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Karén Kharatyan  
Manager of Licensing  
Nunavut Water Board (NWB)  
P.O. Box 119, Gjoa Haven, NU X0B 1J0

March 6, 2026

**Re: Requesting approval for the use of waters and/or deposit of waste without a licence**

Dear Dr. Kharatyan,

I am requesting approval for the use of waters and/or the deposit of waste without a licence for the McGill Arctic Research Station (MARS) on Axel Heiberg Island, Nunavut. MARS is a seasonal research facility serving university faculty, graduate and undergraduate students, and federal scientists. It operates in April–May and June–July for a total of approximately 45 days per year, and typically accommodates 5–6 people at any one time.

Water is drawn from Colour Lake, a freshwater lake adjacent to MARS. The estimated water use is 0.5 m<sup>3</sup> per day, with no observed drawdown, erosion, disturbance, or sedimentation of the lake in previous years.

Approximately 0.25 m<sup>3</sup> per day of waste is managed either by discharge to a sump (grey water) or by incineration (sewage). Both waste-management activities occur more than 40 m from Colour Lake or any other water body.

Please do not hesitate to contact me with any questions or concerns.

Sincerely,

Christopher Omelon, PhD





P.O. Box 119  
GJOA HAVEN, NU X0B 1J0  
TEL: (867) 360-6338  
FAX: (867) 360-6369

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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYIT  
OFFICE DES EAUX DU NUNAVUT

**APPLICATION FOR APPROVAL FOR THE USE OF WATERS AND/OR DEPOSIT OF WASTE WITHOUT A LICENCE**

*Refer to Guide 9 - Approval for the Use of Waters and/or Deposit of Waste Without a Licence .*

<b>APPLICATION NO:</b> (for NWB use only)	
<b>1. APPLICANT CONTACT INFORMATION</b> (name, address)  Name: _____ Title: _____ Company: _____ Address: _____  Phone: _____ Fax: _____ e-mail: _____	<b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address)  Name: _____ Title: _____ Company: _____ Address: _____  Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter)
<b>3. OWNER OF THE LAND ASSOCIATED WITH THE WATERS TO BE USED AND/OR THE WASTE TO BE DEPOSITED</b>  <input type="checkbox"/> Inuit Owned <input type="checkbox"/> Crown <input type="checkbox"/> Commissioner's	
<b>4. NAME OF PROJECT</b> (consistent with the name of the project issued by other regulatory agencies)  _____	
<b>5. LOCATION OF UNDERTAKING</b>  <input type="checkbox"/> Kitikmeot <input type="checkbox"/> Kivalliq <input type="checkbox"/> Qikiqtani  <b>Project Extents</b>  NW:    Latitude: (   °   '   " N)      Longitude: (   °   '   " W) NE:    Latitude: (   °   '   " N)      Longitude: (   °   '   " W) SE:    Latitude: (   °   '   " N)      Longitude: (   °   '   " W) SW:    Latitude: (   °   '   " N)      Longitude: (   °   '   " W)	
<b>MAP</b> - Attach a topographical map, indicating the main components of the undertaking.  NTS Map Sheet No.: _____      Map Name: _____      Map Scale: _____	

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**Camp Location(s)**

Latitude: (   °   '   " N)      Longitude: (   °   '   " W)

**Name and number of the Water Management Area (Watershed) in which the Undertaking is located.**  
(Please see Appendix D of the Guide and Schedule 4 of the Regulations):

Name: \_\_\_\_\_ Number: \_\_\_\_\_

**6. Previous Approvals or Licences Associated with Undertaking** ("Type A", "Type B" or Approval Without a Licence; it should be noted that in accordance with Guide 9, the NWB cannot issue more than one authorization for the same undertaking)

**NA or**

Previous Licence/Approval Number: \_\_\_\_\_

*The Board reminds the Applicant that as stated in s. 46 of the NWNSRTA, the expiry or cancellation of any previous licence does not relieve the holder from any outstanding obligations imposed under the licence.*

**7. CLASSIFICATION OF UNDERTAKING** - Indicate the classification of undertaking by checking one of the following boxes.

- Industrial
- Mining
- Municipal
- Power

- Agricultural
- Conservation
- Recreational
- Other: (describe)

See Appendix C of Guide 9 for descriptions of classifications of undertakings.

**8. DESCRIPTION OF UNDERTAKING AND EQUIPMENT USED** – Provide a brief description of the undertaking including a description of any equipment that will be used in using water or depositing waste.

**9. SCHEDULE** – Applicants are advised that approvals without a licence are issued for a one-year term.

Proposed Start Date: \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_  
(Day / Month / Year) (Day / Month / Year)

**10. TYPE OF USE OF WATERS WITHOUT A LICENCE PROPOSED** - Check the box that

applies to the type of water use proposed. If none of the water uses listed below applies to the proposed water use, an application for a water licence will be required. See the NWB's Guide 4 – Completing and Submitting a Water Licence Application for a New Licence.

- For an undertaking other than a Power undertaking and for a use of water related to the construction of a structure across a watercourse that is less than 5 metres wide at the ordinary high water mark at the point of construction.
- For an undertaking other than a Power undertaking and for a use of water related to the training of an intermittent watercourse.
- For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that is less than 5 metres wide at the ordinary high water mark at the point of training.
- For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves the infilling of the watercourse, if the watercourse has no inflow or outflow and a surface area of less than 0.5 hectares.
- For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves removal or placement of less than 100 m<sup>3</sup> of material.
- For an undertaking other than a Power undertaking and for a use of water related to the construction of a temporary structure in a watercourse for the purpose of flood control.
- For an undertaking other than a Power undertaking and for any use of water related to the storage of 2,500 m<sup>3</sup> or less.
- For an undertaking other than a Power undertaking and for any use of water less than 50 m<sup>3</sup> per day.

**11. QUANTITY OF WATER INVOLVED** - For each type of water use indicated in Block 10, provide the source of water, the estimated quantity to be used in cubic metres per day, and the periods during which water will be extracted.

Type of Water Use indicated in Block 10	Name of Water Source(s)	Estimated Water Quantity (m <sup>3</sup> / day)	Period(s) During which Water will be Extracted	Location of Water Source(s) (Crown/IOL)

**12. TYPE OF DEPOSIT OF WASTE PROPOSED** - Check the box that applies to the type of deposit of waste proposed. If none of the deposits of waste listed below apply to the proposed deposit of waste, an application for a water licence will be required. See the NWB's Guide 4 – Completing and Submitting a Water Licence Application for a New Licence.

For an Industrial undertaking, for an activity related to hydrostatic testing or cleaning of storage tanks and pipelines, and for any deposit of waste resulting from hydrostatic testing or cleaning of unused storage tanks or pipelines.

For an Industrial undertaking, for an activity related to quarrying and gravel washing, and for any deposit of waste that is not deposited to surface water and that results from quarrying or gravel washing above the ordinary high water mark.

For a Mining undertaking, for an activity related to exploratory work, any deposit of sewage to a sump.

For a Power undertaking, any deposit of sewage to a sump.

For an Agricultural undertaking, any deposit of sewage to a sump.

For a Recreation undertaking, any deposit of sewage to a sump.

For any Other type of undertaking not listed above, other than Municipal, any deposit of sewage to a sump.

**13. TYPE AND QUANTITY OF WASTE INVOLVED** – For each type of waste indicated in Block 12, describe the quantity in cubic metres/day, measures to avoid or mitigate adverse impacts, and periods of deposition.

Type of Waste indicated in Block 12	Quantity to be deposited in m <sup>3</sup> / day	Measures to avoid or mitigate any adverse impacts	Periods during which waste will be deposited

**14. SIGNATURE**

I, \_\_\_\_\_ (print name), certify that the information given on this form is, to the best of my knowledge, correct and complete.

Yes \_\_\_\_\_  No \_\_\_\_\_

**OR**

I, \_\_\_\_\_ (print name), as an authorized representative of the Applicant, \_\_\_\_\_, certify that the information given on this form is, to the best of my knowledge, correct and complete.

Yes

No

I certify that the Nunavut Planning Commission's land use planning requirements under Article 11 of the Nunavut Agreement have been met.

Yes

No

I certify that the Nunavut Impact Review Board's development impact review requirements under Article 12 of the Nunavut Agreement have been met.

Yes

No

I certify that the proposed water use is of a type set out in column 2 of Schedule 2 of the Regulations that is further specified by column 3, in respect of an undertaking set out in column 1. See list in Block 10.

Yes

NA

No

I certify that the proposed deposit of waste is an activity that is set out and then further specified in columns 2 and 3 of Schedule 3 of the Regulations, in respect of an undertaking that is set out in column 1 of Schedule 3. See list in Block 12.

Yes

NA

No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of the watercourse whose waters are used.

Yes

No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Lands.

Yes

No

I certify that the proposed water use or deposit of waste will not affect the use of waters by a person who would be entitled to compensation under sections 58 or 60 of the *Nunavut Waters Nunavut Surface Rights Tribunal Act* (Act) if their use of these waters were to be adversely affected by an applicant for a licence.

Yes

No

I certify that a licence is not required for another use of water, or deposit of waste in respect of the proposed undertaking.

Yes

No

I have read and agree to comply with the following conditions outlined in sections 4(3), 5(4), 5(5) and 6 of the *Nunavut Waters Regulations*:

1. In the case of an applicant who has a mineral right and who intends to use waters or deposit waste in relation to that right, the applicant shall respect the priority conferred on Inuit by section 62 of the

Act as if that applicant had a licence for the use or deposit.

2. Measures must be taken prior to using water to minimize any alteration to the bed or banks of a watercourse whose waters are to be used, and the measures shall be maintained during the operation of the undertaking.
3. No waste is to be deposited to surface water or within 31 metres of the ordinary high water mark of any body of water.
4. The waste shall not contain more than 15 milligrams per litre of petroleum or petroleum product and must not have a visible hydrocarbon sheen.
5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of water or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the use of waters and/or the deposit of waste.<sup>a</sup>
6. An applicant who is authorized under the Regulations to use waters or deposit waste without a licence shall:
  - a. maintain accurate and detailed books and records of:
    - i. the quantity of water, in cubic metres, used each day,
    - ii. the quantity, in cubic metres, of waste deposited each day,
    - iii. the type of waste deposited each day,
    - iv. where the waste is deposited,
    - v. the concentration of the substance, or substances, in the deposited solid or liquid that has the effect of making the deposit waste,
    - vi. the methodology used to calculate or determine the information referred to in items (i) to (iv), and
    - vii. the measures that were taken to avoid or mitigate any adverse impacts of the deposit of waste.
  - b. keep the books and records on the site of the undertaking during the period of its operation and make them available during that period to an inspector on request;
  - c. submit to the Board a report containing a summary description and supporting photographs of the restoration of the site of the undertaking within 30 days after the earliest of (i) the day on which the undertaking is closed or abandoned, and (ii) the last day of the period authorized for the use or deposit without a licence;<sup>b</sup> and
  - d. keep the books and records for two years after submitting the report describing the restoration of the site of the undertaking.

**Notes:**


<sup>a</sup> A site need not be restored prior to the end of the period authorized for the water use and/or deposit of waste without a licence, as required by Item 5, if the Board issues a licence for the use of water or deposit of waste on that site prior to the end of that period.

<sup>b</sup> An applicant need not submit the report referred to in Item 6 (c), to the Board if the applicant obtains the Board's approval for a use of water or deposit of waste without a licence, or a licence for a use of water or deposit of waste, on the same site within thirty (30) days after the last day of the period authorized for the use or deposit.

Yes

No

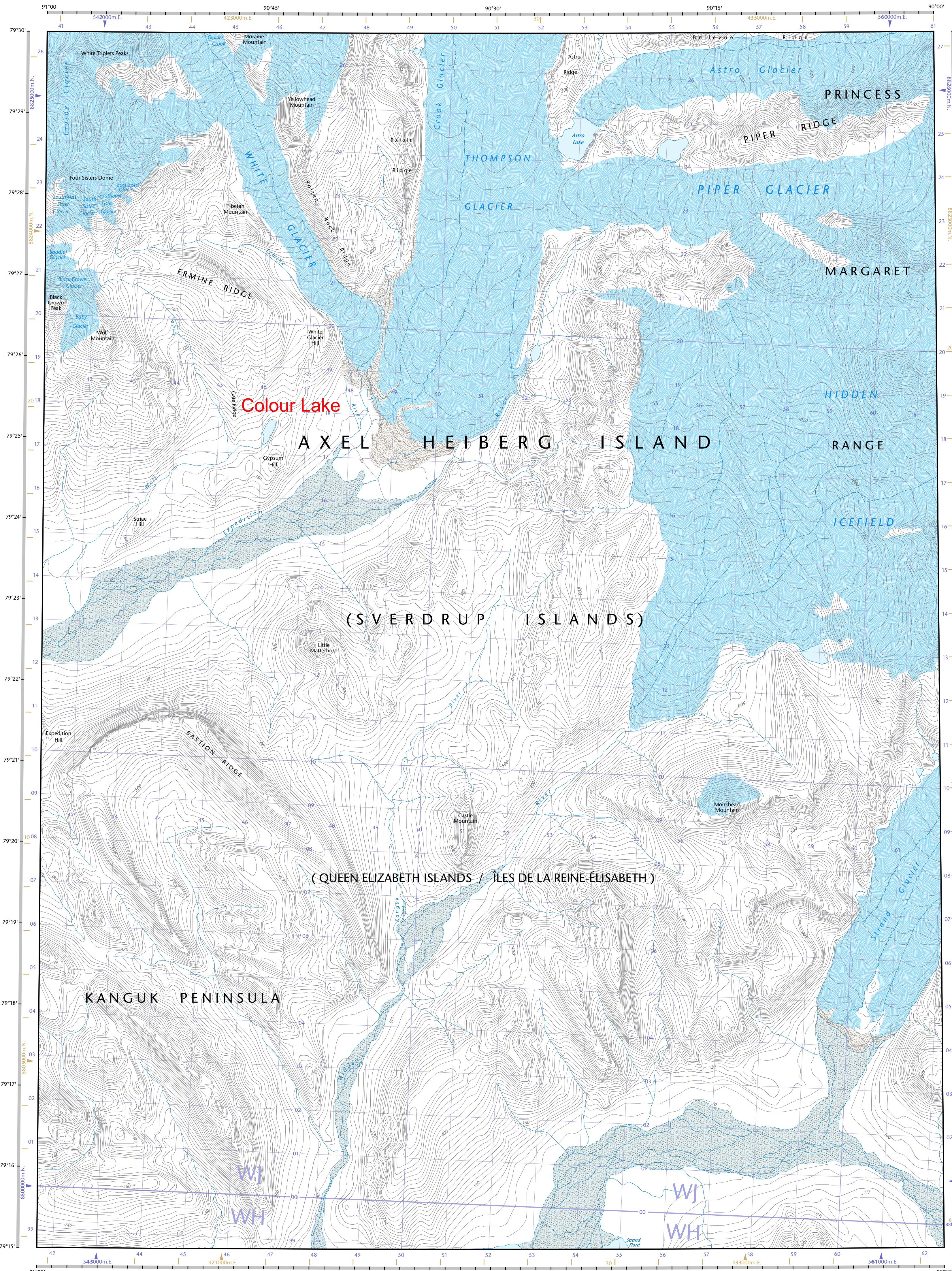
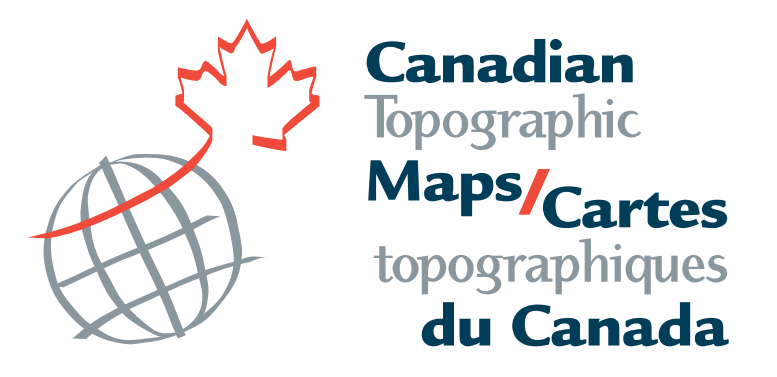
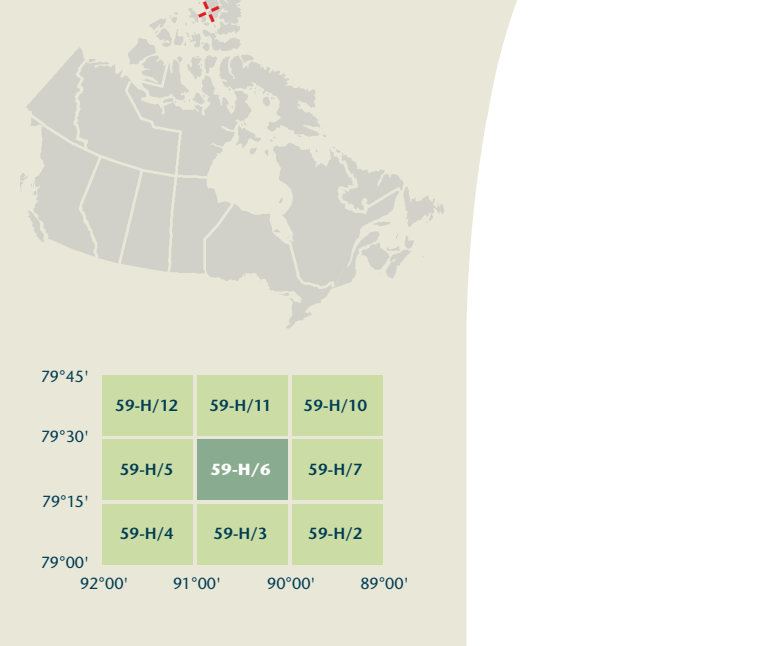
I understand that any approval granted by the Board for the use of water or deposit of waste without a licence will be authorized for a period of one year after the day on which the Board approves the Application. The use or deposit is not authorized until the Board approves the Application and it is only valid as long as the applicant is in compliance with the conditions set out in the declaration above.

<input type="checkbox"/> Yes <input type="checkbox"/> No			
I understand that if I have answered "No" to any of the above statements a water licence is required from the Nunavut Water Board prior to the use of water or deposit of waste.			
<input type="checkbox"/> Yes <input type="checkbox"/> No			
 			
_____ <b>Name (Print)</b>	_____ <b>Title (Print)</b>	_____ <b>Signature</b>	_____ <b>Date</b>

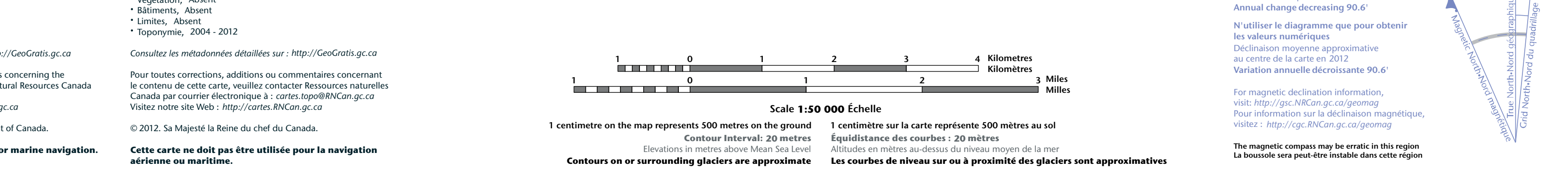
- Road: hard surface, more than 2 lanes, service centre
- Road: revêtement dur, plus de 2 voies, centre de service
- Road: hard surface, 2 lanes, less than 2 lanes, snowplow
- Road: revêtement dur, 2 voies, moins de 2 voies, parapluie
- Road: hard surface, one-way or stabilised surface, sewer, conduit bridge
- Road: revêtement dur, rue, de graver, aggloméré, rue: pont de canalisation
- Road: loose surface, dry weather, vehicle track or winter road, trail, portage
- Road: boisé ou stabilisé surface, toutes saisons, 2 lanes or more, less than 2 lanes
- Road: de graver, aggloméré, route saison, 2 voies ou plus, moins de 2 voies
- Road: boisé surface, dry weather, vehicle track or winter road, trail, portage
- Road: de graver, temps sec, chemin de terre ou d'hiver, sentier, portage
- Highway interchange, highway route number, built-up area
- Echangeur routier, numéro de route, agglomération
- Railway, single track, railway station, trestle, multiple tracks, turntable
- Chemin de fer, voie unique, gare, chariot, voies multiples, plaque tournante
- Railway, abandoned, railway yard
- Chemin de fer, abandonné: gare de triage
- Rapid transit: rail, road, footbridge
- Transport rapide: voie ferrée, route, passerelle
- Causeway: covered bridge, tunnel, bridge, movable bridge
- Chaussée: pont couvert, tunnel, pont, pont mobile
- Boundary: international
- Limite: internationale
- Boundary: provincial or territorial
- Limite: provinciale ou territoriale
- Boundary: unsurveyed provincial or territorial, area outline
- Limite: provinciale ou territoriale non arpentée; surface délimitée
- Boundary: administrative, recreation
- Limite: administrative, récréative
- Boundary: geographic, unsurveyed geographic
- Limite: géographique, géographique non arpentée
- Fort, wall, fence
- Fort, mur, clôture
- Power transmission line, multiple lines, submarine cable
- Ligne de transport d'énergie; lignes multiples; câble sous-marin
- Pipeline: oil, natural gas
- Pipeline: pétrole; gaz naturel
- Pipeline: multi-use, control valve, multiple lines
- Pipeline: utilisation multiple; valve de contrôle; lignes multiples
- Pipeline: underground: oil, natural gas, multi-use
- Pipeline souterrain: pétrole; gaz naturel; utilisation multiple
- Mine: pit, sand, gravel, clay, quarry
- Mine: sablier, gravier, glaise, carrière
- Airport or airfield, runway, hard surface, loose surface, heliport
- Aéroport ou terrain d'aviation; piste d'envol; revêtement dur; de graver; hélicoptère
- Chimney: industrial, farm stack, tower, height, lightning rod
- Chimée: industrielle, torche, bruleur, hauteur; par: à bois déblais
- Tank: water tank, radiator antenna, radio telescope
- Citerne: citerne d'eau, antenne radar, radiotélescope
- Silo: grain elevator, clearance tower
- Silo: élévateur à grains; tour de dégagement
- Electric facility: oil or natural gas facility, wind-powered device
- Installation électrique; installation pétrolière ou gazière; éolienne
- Tower: communication, fire, control
- Tour: communication; incendie; contrôle
- Domestic waste: liquid waste, industrial solid deposit
- Déchet domestique; déchet liquide; dépôt de solide industriel
- Lookout, historic site, ruin, zoo
- Bélier; lieu historique; ruine; zoo
- Golf course, campground, ski area, sports field
- Terrain de golf; terrain de camping; station de ski; centre sportif
- Aerial railway, ski lift, sports track, arena
- Élévateur aérien; remontée-pente; piste de course; arène
- Building: unroofed building, religious, educational, cabin
- Bâtiment; bâtiments non identifiés; religieux; éducatif; cabine
- Hospital, medical centre, senior citizens home, lodging
- Hôpital; centre médical; résidence pour personnes âgées; gîte
- City hall, municipal hall, community centre
- Hôtel de ville; salle municipale; centre communautaire
- Customs post, ranger or warden station, cemetery
- Poste de douane; poste de garde forestier ou poste de garde de parc; cimetière
- Court house, correctional institute
- Palais de justice; établissement correctionnel
- Fire station, police station, armory
- Casernes de pompiers; poste de police; manège militaire
- Wardrobe or shelter; watercourse, disappearing stream
- Planche d'abri; cabane ou planche de pont abandonnée; gîte
- Navigation light, ferry route, navigation beacon
- Feu de navigation; traversée; balise de navigation
- Coast Guard station, vegetable anchorage, marina
- Station de la garde côtière; mouillage d'hydravions; marina
- Fish ladder, dam, weir, large; carrying head
- Échelle à poissons; barrage; petit; grand; portant une route
- Dyke or seawall, wharf, breakwater
- Digue ou mur de protection; quai; brise-lames
- Ramp, pier or dock
- Rampe de mise à l'eau; jetée
- Drydock, slip, crib or abandoned bridge pier, ford
- Cale sèche; cale; caisson ou pier de pont abandonné; gué
- Conduit, lock, spring
- Canalisation; éclusé; source
- Reservoir, underground reservoir, fish pond
- Réservoir; réservoir souterrain; viviers dans l'eau
- Dry river bed, sand in water, freshwater lake, intermittent lake, slough
- Lit de rivière à sec; sable dans l'eau; étang; lac intermittent; bourbier
- Rapids, falls
- Rapides; chutes
- Rocky ledge, rocky reef, rocks in water, exposed shipwreck
- Banc rocheux; récif rochers dans l'eau; épave émerge
- Mosses; glacial debris, permanent snow and ice
- Mousse; débris glaciaire; neige et glace permanentes
- Wetlands: marsh, muskeg, swamp, marsh in water, string bog
- Terres humides: marais, muskeg; marécage; marais dans l'eau; tourbière étouffée
- Tundra ponds, tundra polygons, peat bog
- Étang de tourbière; polygones de tourbière; tourbière à peat
- Sand, esker, pingo, wooded area
- Sable; esker; pingo; région boisée
- Contour index, intermediate; approximate
- Courbe de niveau: intermédiaire; approximative
- Depression contour, spot elevation, cave
- Courbe de creux; point cote; caverne

MONKHEAD MOUNTAIN

Nunavut



MONKHEAD MOUNTAIN Nunavut



Produced on February 23, 2012, by the Centre for Topographic Information, Natural Resources Canada.  
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**Map content validity dates**  
 • Road network, Absent  
 • Hydrographic network, 2008  
 • Vegetation, Absent  
 • Buildings, Absent  
 • Boundaries, Absent  
 • Toponymy, 2004 - 2012  
 Detailed metadata can be found at: <http://GeoGratis.gc.ca>  
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**Dates de validité du contenu de la carte**  
 • Réseau routier, Absent  
 • Réseau hydrographique, 2008  
 • Végétation, Absent  
 • Bâtiments, Absent  
 • Limites, Absent  
 • Toponymie, 2004 - 2012  
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**1 centimètre sur la carte représente 500 mètres sur le sol**  
 Élévations en mètres au-dessus du niveau moyen de la mer  
 Altitudes en mètres au-dessus du niveau moyen de la mer  
 Les courbes de niveau sur ou à proximité des glaciers sont approximatives

**1 centimètre sur la carte représente 500 mètres au sol**  
 Équivalance des courbes : 200 mètres  
 Altitudes en mètres au-dessus du niveau moyen de la mer  
 Les courbes de niveau sur ou à proximité des glaciers sont approximatives

Use diagram only to obtain numeric values  
 Approximate Mean Declination 2012  
 for centre of map  
 Annual change decreasing 90.6°  
 N'utilisez le diagramme que pour obtenir les valeurs numériques  
 Déclinaison moyenne approximative au centre de la carte en 2012  
 Variation annuelle décroissante 90.6°  
 For magnetic declination information, visit: <http://geo.nrcan.gc.ca/geomag>  
 Pour l'information sur la déclinaison magnétique, visitez: <http://geo.nrcan.gc.ca/geomag>

100 000 metre Square Identification  
 Identification du carré de 100 000 mètres  
 WJ  
 WH  
 Brown numbered ticks indicate the 1000 meter grid.  
 Les tirets numérotés en brun indiquent la grille UTM.  
 A full set of 1000 metre grid can be found at: <http://maps.NRCan.gc.ca/topo100>  
 Consultez le full set de 1000 mètres à partir de la grille UTM sur: <http://cartes.NRCan.gc.ca/topo100>

Transverse Mercator Projection  
 Projection transverse de Mercator  
 North American Datum 1983  
 Système de référence nord-américain 1983  
 1000 metre Universal Transverse Mercator Grid  
 Grille Zone 16  
 15 S  
 Quadrillage universel transverse de Mercator de 1000 mètres  
 Désignation de la zone de quadrillage

91°00' 91°15' 91°30' 91°45'  
 79°15' 79°30' 79°45' 79°00'