



# APPLICATION for LAND USE PERMIT

## KWANLIN DÜN FIRST NATION

**WE ARE HERE TO HELP**

Staff at Heritage, Lands and Resources will assist and help guide citizens through the land application process. If you have questions or need help, please call Jimmy at 334-2746 or email [jimmy.kennedy@kdfn.net](mailto:jimmy.kennedy@kdfn.net)

Application Number: \_\_\_\_\_

Parcel Code Number: -----

Date / Time Rec'd: \_\_\_\_\_

(office use only)

### PART 1 – APPLICANT CONTACT INFORMATION

#### APPLICANT INFORMATION

Company/Organization:

Yukon Geological Survey – Energy, Mines & Resources, Yukon government

Last Name: Colpron	First Name: Maurice	Middle Name:
Are you a Kwanlin Dün First Nation Beneficiary and/or Citizen? <input type="checkbox"/> BENEFICIARY <input type="checkbox"/> CITIZEN <input checked="" type="checkbox"/> NO	Are you a COMPANY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Business Licence #: _____	Are you currently 19 years of age or older? <input checked="" type="checkbox"/> YES

Address:

PO Box 2703 (K14)

City/Town: Whitehorse	Territory/Province: Yukon	Postal Code: Y1A 2C6
Country: Canada	Phone No.: [REDACTED]	Business Phone No.:
Email: [REDACTED]	Preferred Method of Contact: email	

#### AGENT ACTING ON BEHALF OF APPLICANT(S) (if required)

Last Name:	First Name:	Middle Name:
Address:		
City/Town:	Territory/Province:	Postal Code:
Country:	Phone No.:	Business Phone No.:
Email:	Preferred Method of Contact:	

This is to confirm that the person named above may act as the agent on behalf of the applicant(s).

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ (applicant)

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ (co-applicant)

## PART 2 – PROJECT PROPOSAL & LOCATION

### PROJECT SUMMARY

**Describe briefly the activity or project you wish to undertake on settlement land:**

The Yukon Geological Survey initiated a gravity survey over part of the City of Whitehorse in October 2023 and is proposing to extend this work in April/May 2024. The gravity survey aims at evaluating the geothermal resource potential within the city. The area surveyed in Fall 2023 was approximately 10 x 8 km and the current proposal is to extend this grid to the south over an area of 10 x 5 km. The additional stations will be spaced every 500 m (approximately 190 stations) with 16 of the proposed survey sites located on KDFN settlement land parcels (see maps on the following pages).

The gravity method is a very low impact remote sensing technique that maps subsurface density contrasts in rock caused by geological structures (e.g., faults). These types of surveys provide ‘images’ of the subsurface and can delineate features such as thickness of overburden (e.g., glacial till), relationships between different rocks units, and the nature of fault structures.

This land survey requires two geophysicists who will traverse on foot with a small, transportable gravity meter that weighs approximately 8 kg and a GPS that can be carried in a backpack. The instruments are brought to the measurement station, placed on the ground surface, and leveled. Measurements are taken at equal distances (these can vary, but usually on the order of a few hundreds of metres) over a set grid. The gravity measurement takes a few minutes and then the instrument is picked up and transported to the next station. The instrument sits on the ground, causing little to no surface disturbance. Access to the survey area is by truck and/or ATV on well-established roads and trails.



Although it is preferable to maintain an even distribution of measurement sites, these can be moved to avoid disturbing local residents (i.e., no need to collect data in a someone’s backyard).

### PARCEL SIZE, LOCATION & SITE COORDINATES

Community, Local or Geographic Area: (eg Marsh Lake Area, Whitehorse) \_\_\_\_\_ **Whitehorse** \_\_\_\_\_

Settlement Land Parcel (R, C or S#):   C-41B (4 sites), C-57B (5), C-61B (2), C-112B (1), C-116B (3 sites), C-141B (1)  \_\_\_\_\_

Legal Description (Lot, Quad, CLSR, LTO): \_\_\_\_\_

What is the area (in hectares) of the extent of land being applied for?

AREA: \_\_\_\_\_ hectares

### SITE COORDINATES

The applicant must flag the limits of the proposed project area.

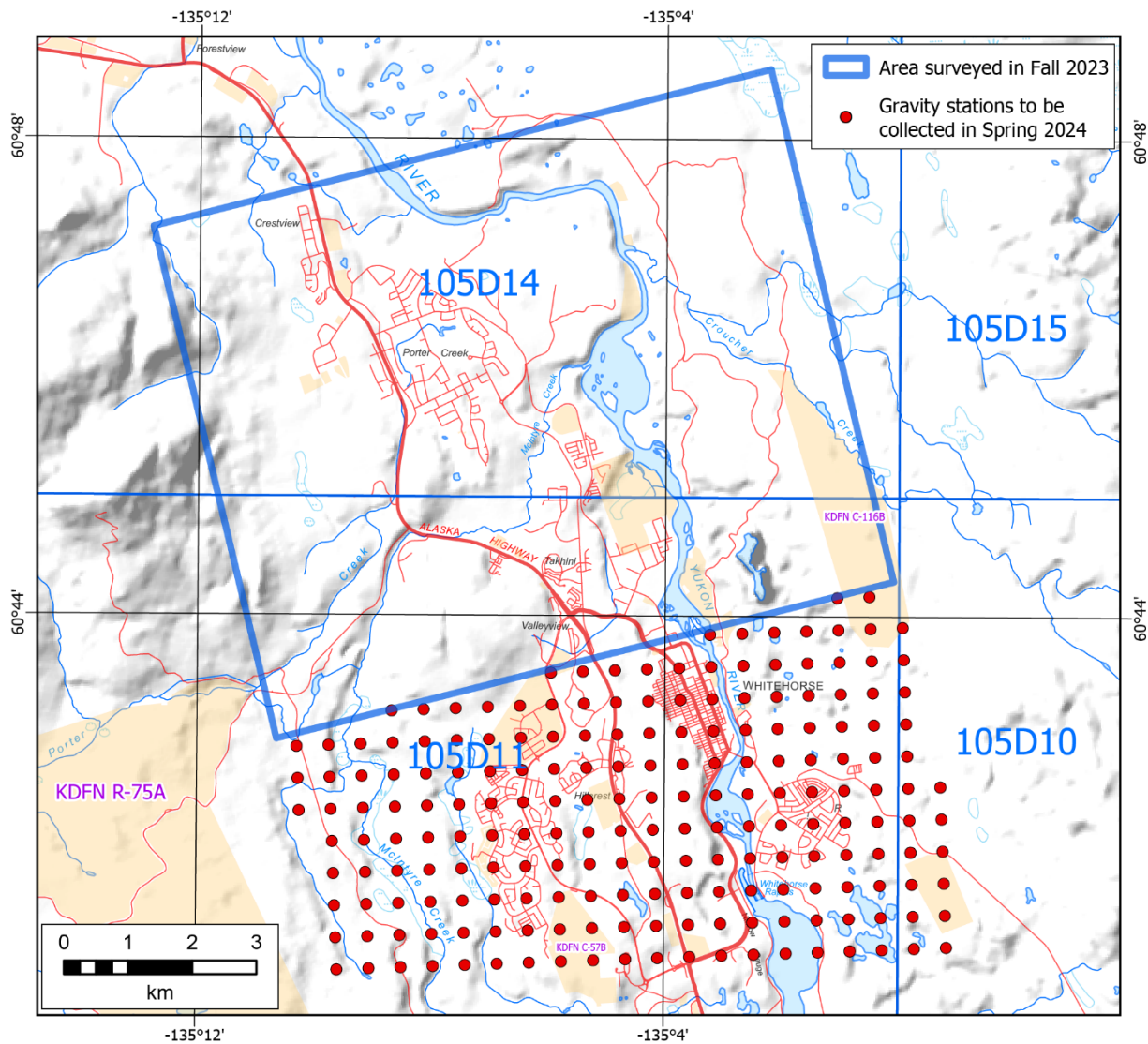
The applicant must arrange an in-person on site visit with the KDFN Lands Officer and verify the GPS coordinates in writing below prior to submitting this application for review. The corners of the application area are to be flagged/marked.

Latitude/Northing				
Longitude/Easting				
Latitude/Northing				
Longitude/Easting				
NTS Map Sheet No. 105D/10 and 11	Community or Local Area: Whitehorse			

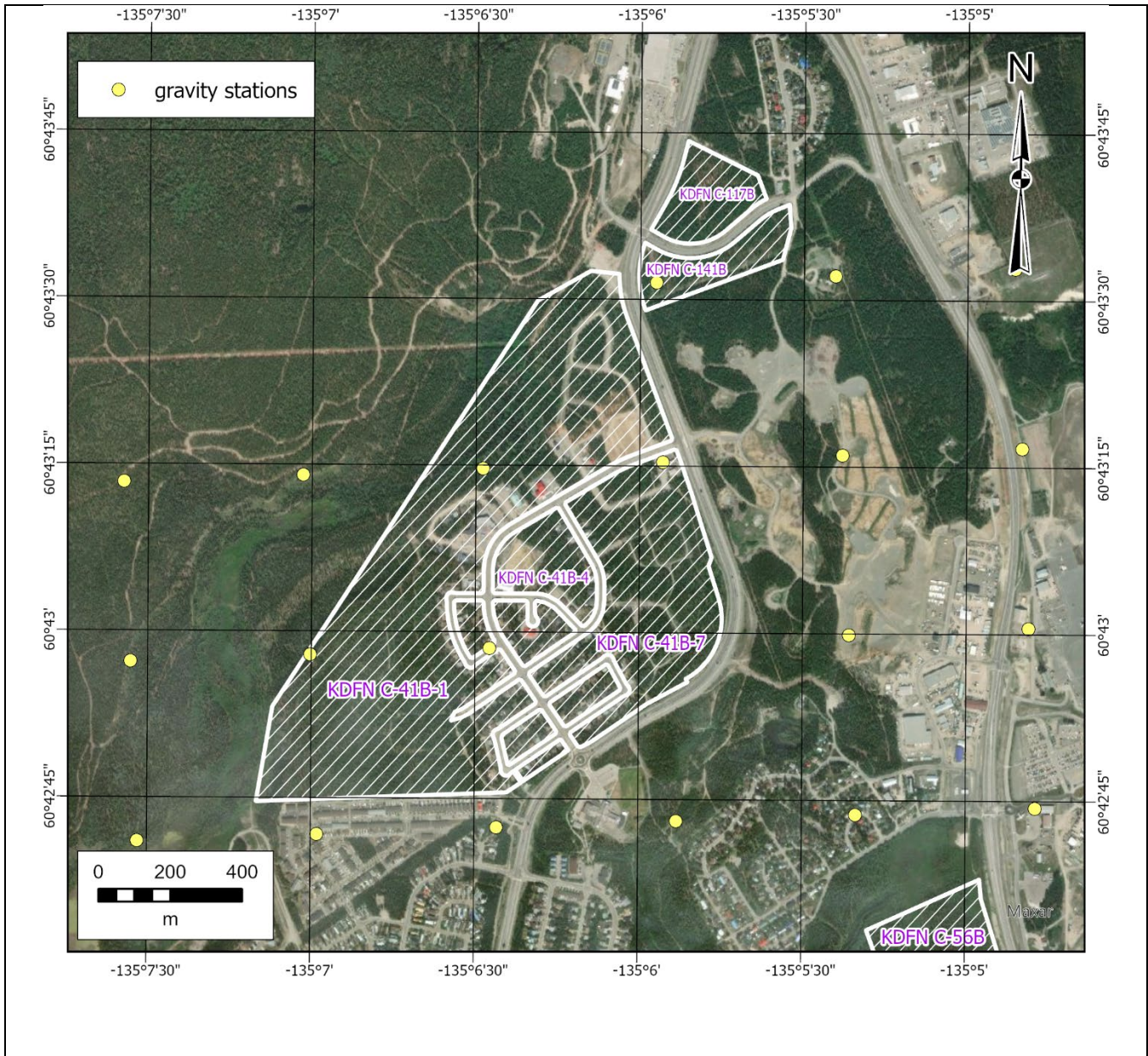
## APPLICATION SKETCH

A detailed, legible, and drawn-to-scale sketch must be provided outlining the applied for area and including:

- The boundary and configuration of the proposed parcel,
- The dimensions (in metres) of all proposed parcel boundaries,
- The area (in hectares) of the proposed parcel,
- Any existing, surveyed properties or Road rights-of-way that are adjacent or near the parcel,
- Any existing roads, trails or pathways within or near the proposed parcel,
- Any road, trail or driveway that is proposed to be constructed to connect the parcel to a public road, street, or highway,
- All waterbodies and drainage courses within or near the proposed property,
- Any existing or proposed buildings or other improvements on or near the proposed property,
- An arrow indicating north,
- The scale at which the sketch is drawn,
- (Any other specific information as may be required by HLRD.)



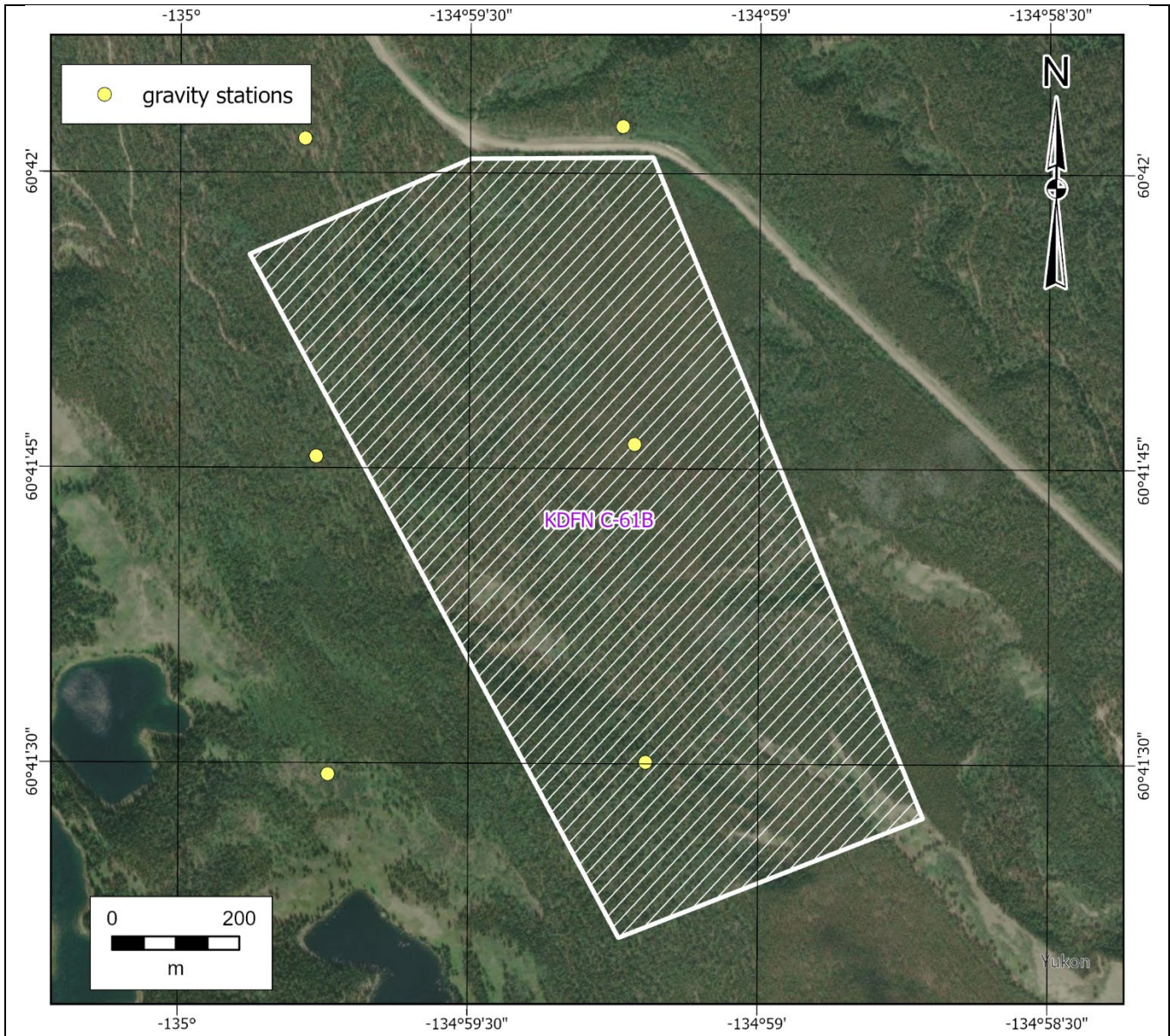




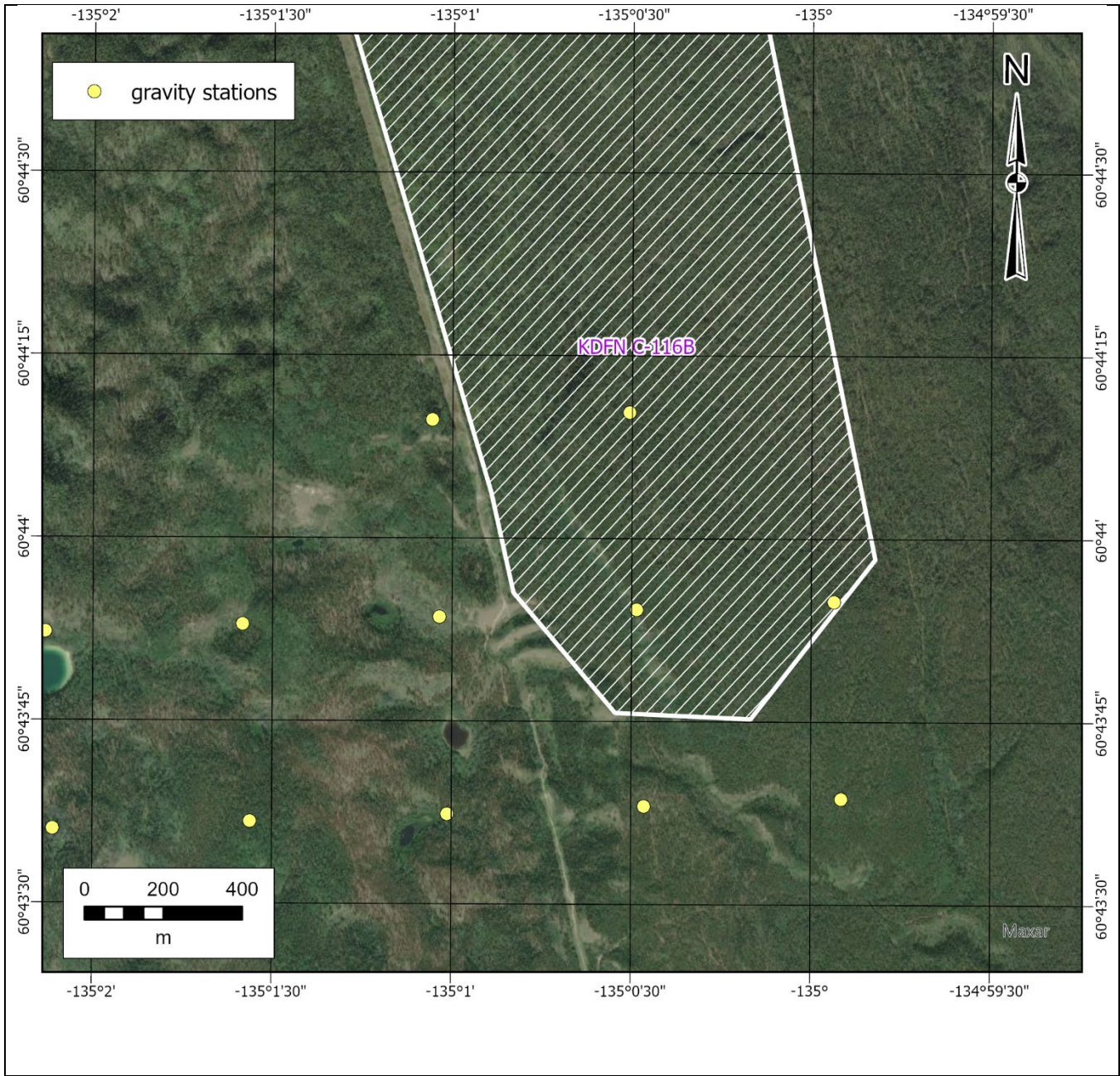


















### PART 3 – SITE CHARACTERISTICS AND INFORMATION

#### PLANNING and ZONING

Applicable Land Use Plans or Community Plan in effect for the proposed project area: \_\_\_\_\_

Current Planning / OCP designation of the proposed project area: \_\_\_\_\_

Current zoning bylaw or zoning regulation designation for the proposed project area: \_\_\_\_\_

#### SITE CHARACTERISTICS

**Describe the Site Characteristics (topography, soil conditions, landscape features, vegetation coverage etc):**

Gravity measurements will be collected across the Yukon River valley in the City of Whitehorse – from the bottom of Two Mile Hill south to the junction of Robert Service Way and the Alaska Highway. The area contains a mix of boreal forest and urban landscape.

**Describe any adjacent or nearby creeks, rivers, lakes or other bodies of water?**

Gravity measurement will be collected along the Yukon River and the north end of Schwatka Lake, and along the shores of Hidden Lakes. Gravity measurement will have no impact on these bodies of water.

### PART 4 – PROJECT DETAILS

A clear, concise description of proposed development activity will help determine whether the development activity will require assessment under the YESAA. If an assessment is required, the applicant will be required to complete and submit a YESAA Form 1 application to the YESAB designated office. [When filling out the sections below, if the space provided is insufficient, please attach any additional pages you may need to fully explain any activity.](#)

**DETAILED PROJECT DESCRIPTION:** Please describe the details, scale, scope and nature of the proposed activity or project:

The gravity survey consists only of collecting surface measurements and is not associated with any proposed development project.

**TIMEFRAME:** Provide an estimated schedule and overall timeframe from project commencement through to completion of development and potential restoration on the site.

Site surveys will occur during April and May 2024; total survey estimates in 14 days (non-consecutive). Survey at each site generally takes 20-30 minutes. Some sites may be revisited for repeat measurements.

**FUEL STORAGE AND CONTAINMENT:** Please provide detailed information regarding the delivery, type, volume capacity and storage of fuel to be used on site. Also provide a fuel spill contingency plan.

N/A

**EQUIPMENT:** Please describe or list any equipment (heavy equipment, drills, pumps etc) intended to be used):

Gravimeter and GPS

**SITE PREPARATION:** Describe all site preparation activities that will occur. Activities such as clearing, grubbing, stripping, drilling, burning of debris, construction of buildings or structures, and any earthworks. Include the use and type of any heavy machinery planned to be used in these activities.

No site preparation should be necessary. Exact survey sites will be located on relatively flat, open ground, and clearing of vegetation should not be necessary. The gravimeter must sit on the ground, so snow clearing is possible if there is still snow at some sites.

**ACCESS:** Explain how you will access the site, and if you plan to construct a new road or upgrade an existing access. Also confirm if or how others may be affected by your access plans.

Access to the survey area is by truck and/or ATV on well-established roads and trails. The crew will walk to exact survey sites from access roads and trails.

**SERVICES & DISPOSAL:** Describe provisions or requirements for:

**Supply of Water (for drinking or other purposes):**

N/A

**Garbage Disposal:**

N/A

**Sewage (sanitary or grey water):**

N/A

**Overburden Disposal (organic soil and waste):**

N/A

**Brush and Tree Disposal:**

N/A

**PROPOSED RESTORATION:** Please describe how the site will be restored or reclaimed upon completion or decommissioning of the activity or project:

Gravity measurements should have no impact on the site. Therefore, no site restoration should be required.



## APPLICANT CONSENT

I/we have read all of the information contained in this application or have had it explained by a third party and fully understand it.

I/we certify that all submitted information is true and correct to the best of my knowledge and belief.

I/we understand that any misrepresentation in this application may invalidate this application and may result in the revocation of any land interest resulting from this misinformation.

I/we hereby acknowledge and confirm that the submission of this application does not grant me/us any rights to occupy or use the land for which I/we applied for prior to the approval and completion of all conditions attached to this land authorization, should this application be approved.

I/we have read all of the relevant regulations and policies and believe to the best of my knowledge that my/our application is in compliance with all requirements.

The information contained in or attached to this application is being collected under the authority of the Kwanlin Dün First Nation Lands Act (2020). This information may be shared with other persons or agencies for the purpose of reviewing the request for land. Care will be taken to protect your personal information.

SIGNATURE: 

Applicant:  
Maurice Colpron

Date:  
April 12, 2024

Co-applicant:

Date:

PLEASE RETAIN A PHOTOCOPY OF THIS APPLICATION FOR YOUR PERSONAL RECORDS

## CHECKLIST

The checklist is to help you complete all applicable sections of this application and to ensure that all additional information is attached. Incomplete applications will not be accepted and will be returned to the applicant for completion.

All Land Use Applicants must provide:

- Fully Completed Application
- Detailed Site Sketch
- GPS coordinates verified by the KDFN Lands Officer
- Site flagged consistent with the GPS coordinates
- Other documents, permits, authorizations or approvals as may be required on a case by case or use-specific basis.

In addition, Commercial/Industrial Applications must also include:

- Business Plan or Project Plan
- Detailed Site Plan
- Copy of Business Licence
- For quarries and industrial applications, an operations plan and a decommissioning/rehabilitation plan
- Fee with the application