

91010



Draw a cross through the box (X) if you have NOT written in this booklet

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Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 1 Geography 2023

91010 Apply concepts and basic geographic skills to demonstrate understanding of a given environment

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	Apply concepts and basic geographic skills to demonstrate in-depth understanding of a given environment.	Apply concepts and basic geographic skills to demonstrate comprehensive understanding of a given environment.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL parts of the question in this booklet.

Pull out Resource Booklet 91010R from the centre of this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–11 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (DO NOT WRITE). This area will be cut off when the booklet is marked.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

**This page has been deliberately left blank.
The assessment begins on the following page.**

QUESTION

Use Resource A to answer (a) and (b).

Location refers to the position of something on the earth's surface and can be given in relation to other objects.

- (a) Describe, in detail, the location of Yellowknife.

- (b) What was the main reason Yellowknife first became an economic centre, and why does it remain one today?

Use Resource B to answer (c) to (e).

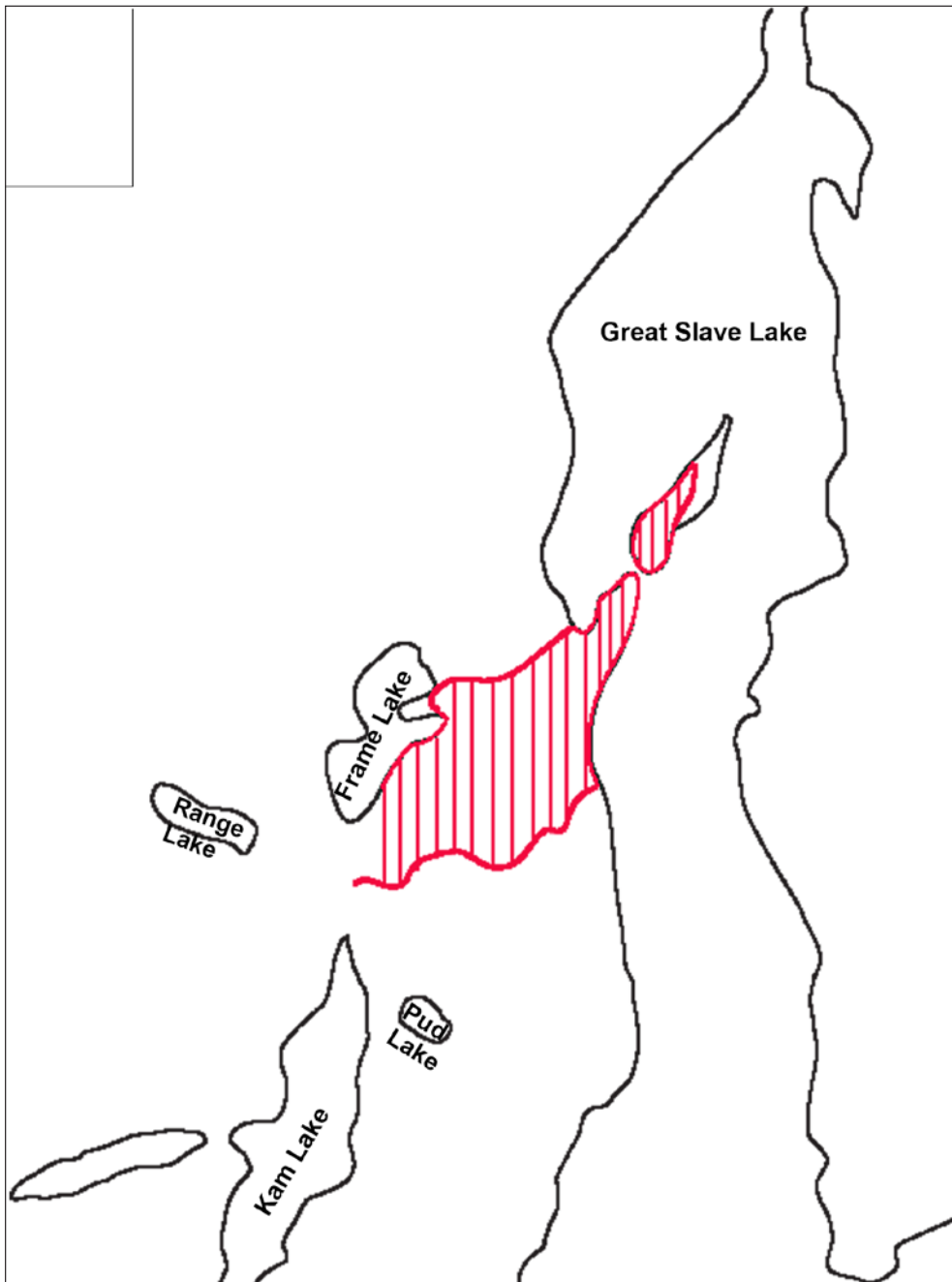
(c) Complete the précis map to identify the following features in the Yellowknife area:

- Yellowknife city (part of it has been drawn for you)
- The **areas** of waste found at Con Mine
- The Giant Mine waste pond in AR 3270.

If you need to redo this task, use the map on page 9.

Include all appropriate geographic conventions.

Title: _____



Key:

Scale:



- (d) Identify the highway that provides access to Giant Mine from Yellowknife.

- (e) (i) Choose (✓) the statement below that best describes the relief of the Yellowknife area shown in the topographical map.

☐

Very flat

☐

Generally flat with some undulation

☐

Steep

- (ii) Give a reason for your choice.

Use Resource C to answer (f).

Change involves any alteration to the natural or cultural environment. Change can be spatial and / or temporal. Change is a normal process in both natural and cultural environments. It occurs at varying rates, at different times, and in different places. Some changes are predictable, while others are unpredictable. Change can bring about further change.

- (f) Explain the positive and/or negative changes that gold mining has brought to the natural and cultural environment of Yellowknife. Give evidence to support your answer.

Change to the natural environment: _____

Change to the cultural environment: _____

Use Resource D to answer (g) and (h).

(g) Fill in the statements below to describe diamond production at Diavik Mine.

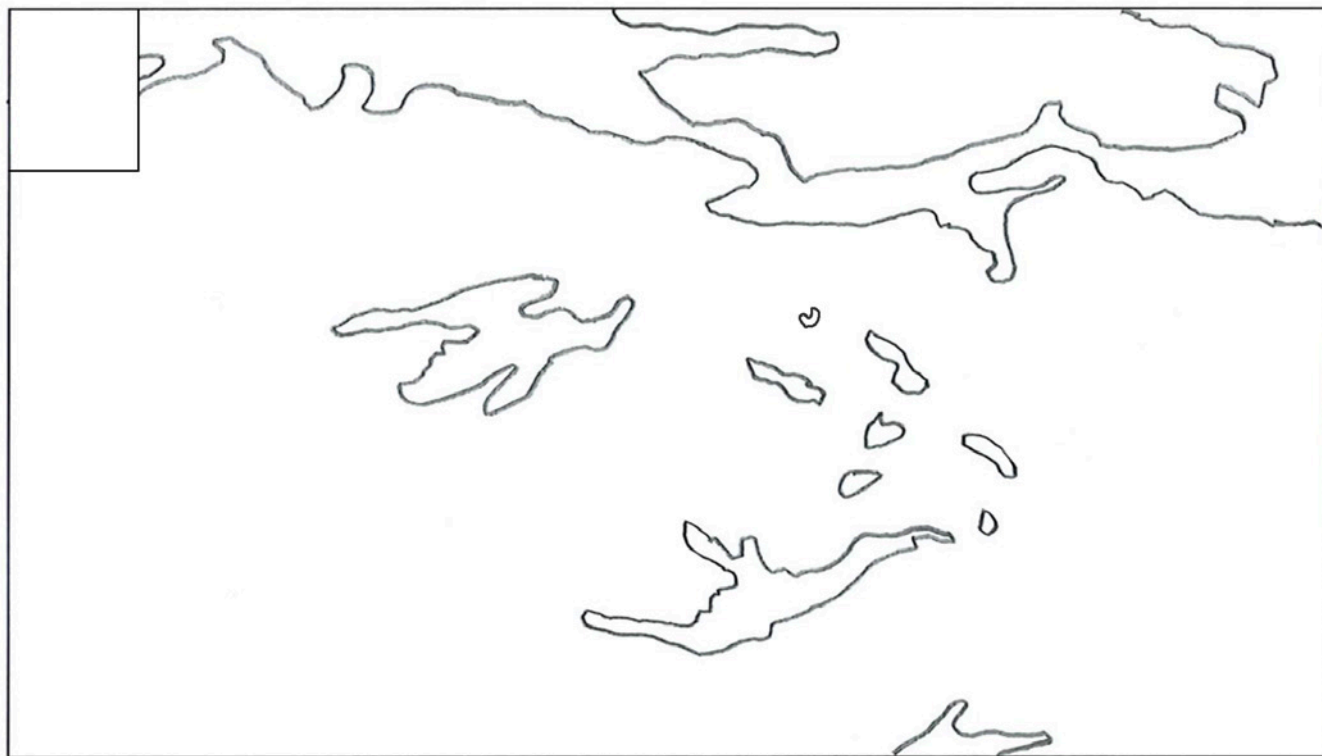
- (i) Diamond production peaked in the year _____.
- (ii) Diamond production plateaued between the years of _____ and _____.
- (iii) In 2020, diamond production was _____ kg.

(h) Complete the précis map below to show how diamond mining and caribou migration interact in Northwest Territories.

Include all appropriate geographic conventions.

*If you need to
redo this task, use
the map on
page 10.*

Title: _____



Key: _____

(i) By how much is the average temperature in Yellowknife projected to change between 2020 and 2080?

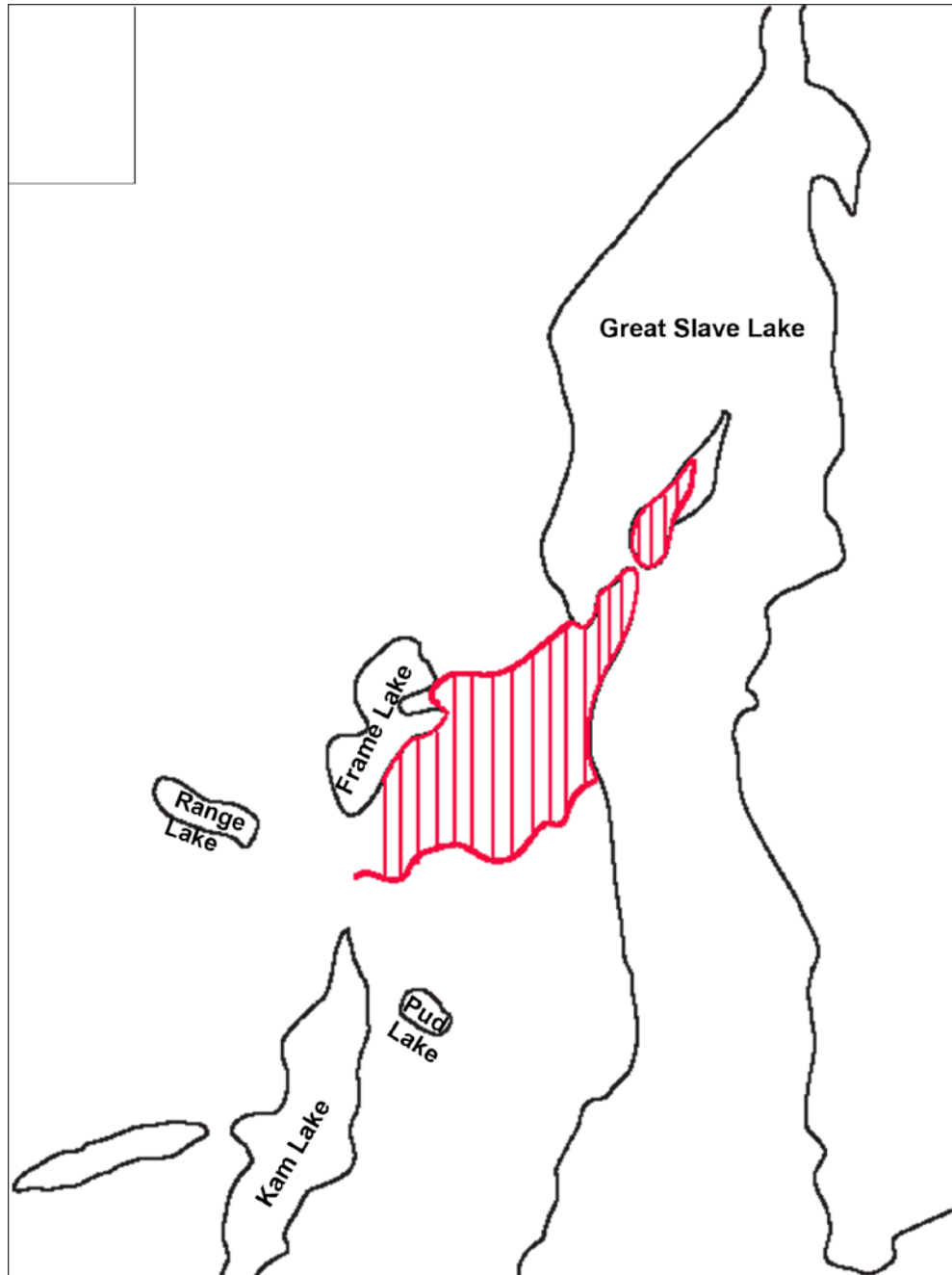
Sustainability involves adopting ways of thinking and behaving that allow people to meet their needs and aspirations without preventing future generations from meeting theirs. It may be achieved by preventing, limiting, minimising, or correcting environmental damage to water, air, and soil, as well as considering problems related to waste, noise, and visual pollution.

(j) What sustainability issues are the Dene people facing in relation to the harvest of caribou, both now and in the future? Give evidence to support your answer.

SPARE MAP

If you need to redo (c) use the map below. Make sure it is clear which answer you want marked.

Title: _____



Key:

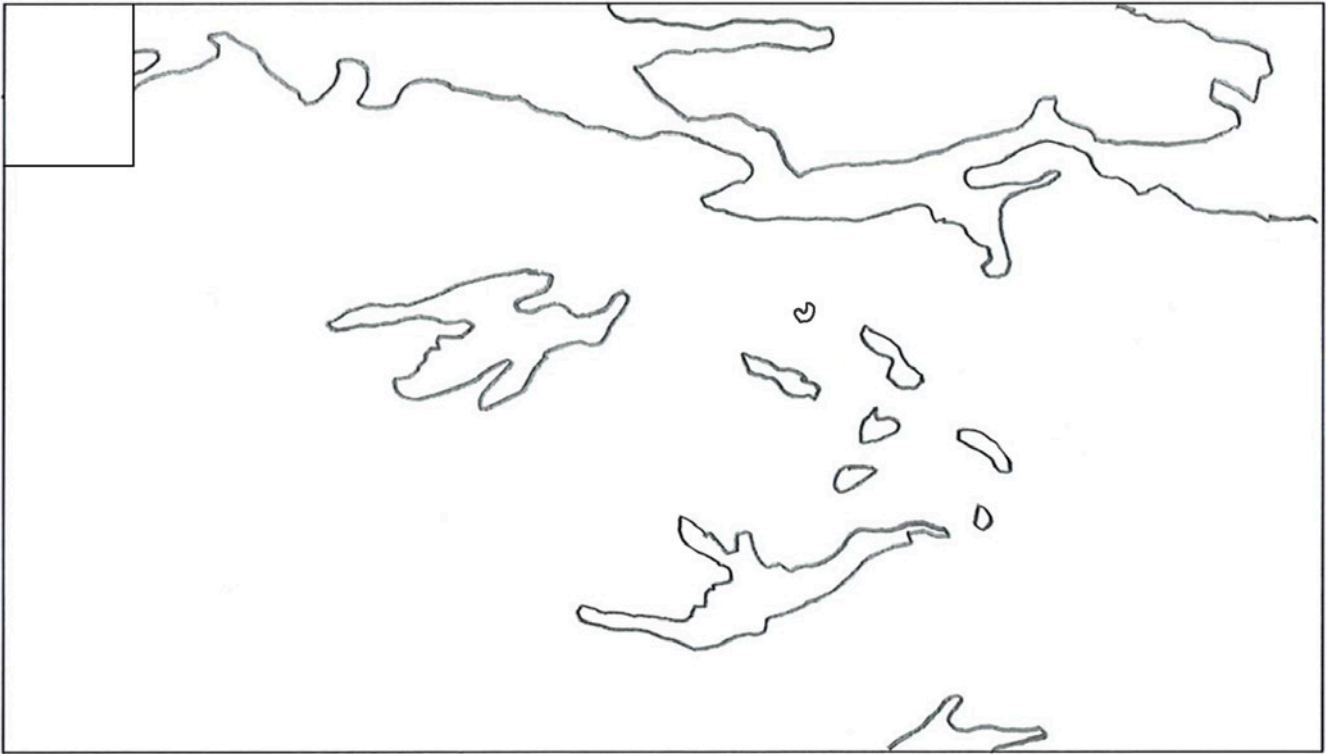
Scale:



SPARE MAP

If you need to redo (h) use the map below. Make sure it is clear which answer you want marked.

Title: _____



Key: _____

Extra space if required.
Write the question number(s) if applicable.

QUESTION
NUMBER

