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NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

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SUPERVISOR'S USE ONLY

## Level 1 Geography, 2013

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

9.30 am Friday 22 November 2013

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 the questions 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 2–12 in the correct order and that none of these pages is blank.

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

**TOTAL**

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You are advised to spend 60 minutes answering the questions in the booklet.

### QUESTION ONE: MAP AND PHOTO INTERPRETATION

Refer to **Resources A–C** on pages 2 and 3 of the resource booklet, as well as **Resource G** on pages 6 and 7, when answering (a).

- (a) Write a geographic description of Stewart Island's location.

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Refer to **Resource D** on page 4 of the resource booklet when answering (b).

- (b) (i) What industry operated on Stewart Island between the 1860s and the 1930s?

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- (ii) How many people in total can be accommodated at the four DOC huts shown?

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- (iii) Give TWO examples from the map that indicate an attempt has been made to conserve resources in and around Paterson Inlet.

(1) 

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(2) 

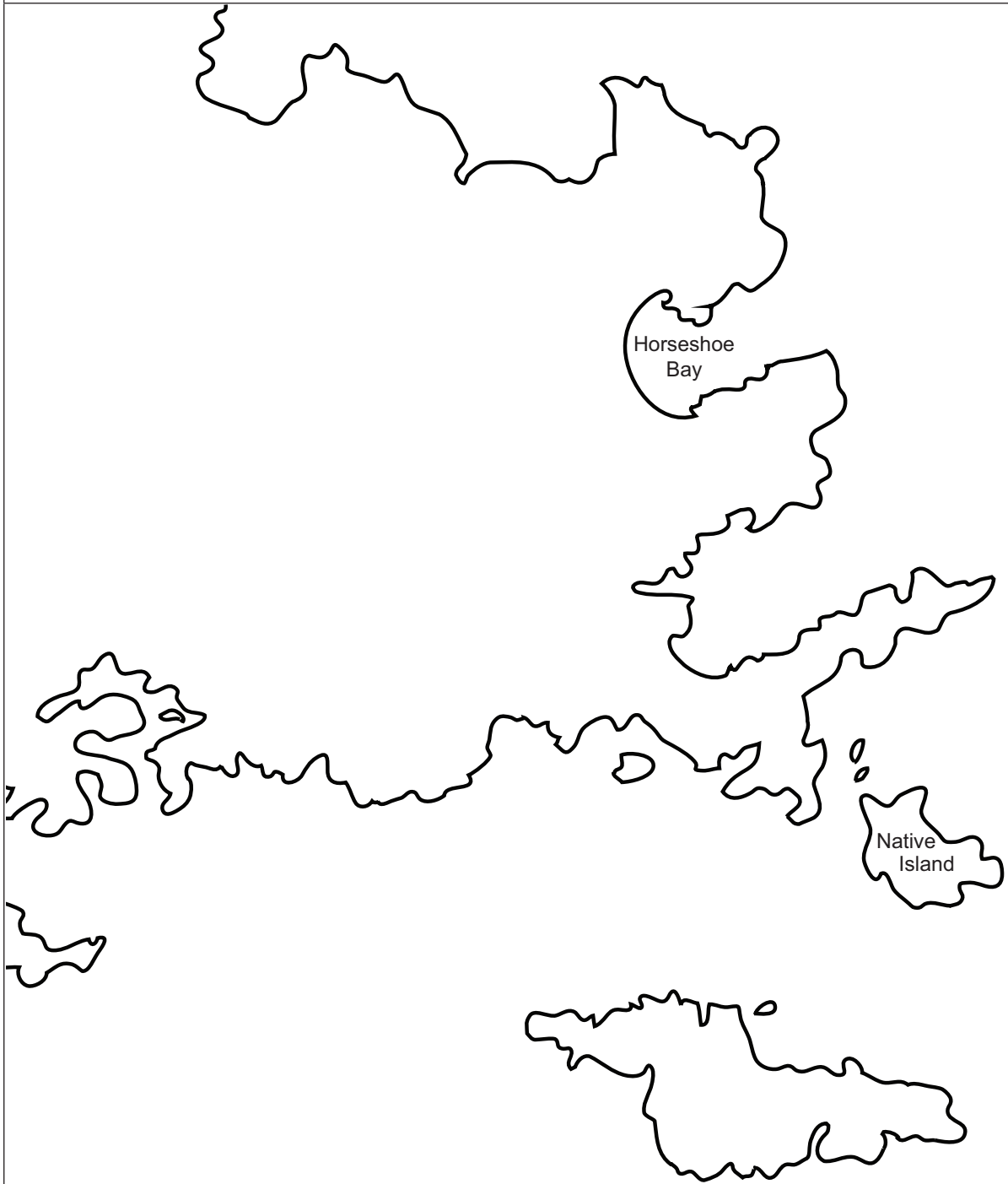
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Refer to **Resource G** on pages 6 and 7 of the resource booklet when answering (c) and (d).

- (c) On the **précis map** of Stewart Island/Rakiura on page 3, **locate and label**:

- the shelter at Māori Beach (GR 256990)
- the road from GR 293956 to Lee Bay (ending at GR 284985)
- Ulva Island
- the sand and mud area to the north-west of Burial Island (GR 248941).

Précis Map of Stewart Island/Rakiura



Key:

	Shelter at Māori Beach
	Road to Lee Bay
	Ulva Island
	Sand and mud area to the north-west of Burial Island

- (d) Give the latitude for Native Island (in degrees and minutes) from the map.

Longitude 168° 09' E: Latitude \_\_\_\_\_ S

Refer to **Resource A** on page 2 of the resource booklet, as well as **Resource E** on pages 4 and 5, when answering (e).

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- (e) (i) Name TWO employment opportunities in Halfmoon Bay (Oban).
  - (1) \_\_\_\_\_
  - (2) \_\_\_\_\_
- (ii) Calculate the length of the Wharf Ferry Terminal in Halfmoon Bay.
  - \_\_\_\_\_

Read the following **geographic concepts** and refer to them, and **Resources A–E** on pages 2–5 of the resource booklet, as well as **Resource G** on pages 6 and 7, when answering (f).

**Geographic Concepts**  
**Location** or **distance** may be an advantage or a constraint.

- (f) Show your understanding of the geographic concepts of “location” and “distance” by describing in detail how living on Stewart Island could have **advantages** AND **disadvantages**.

Include evidence from the resources to support your answer.

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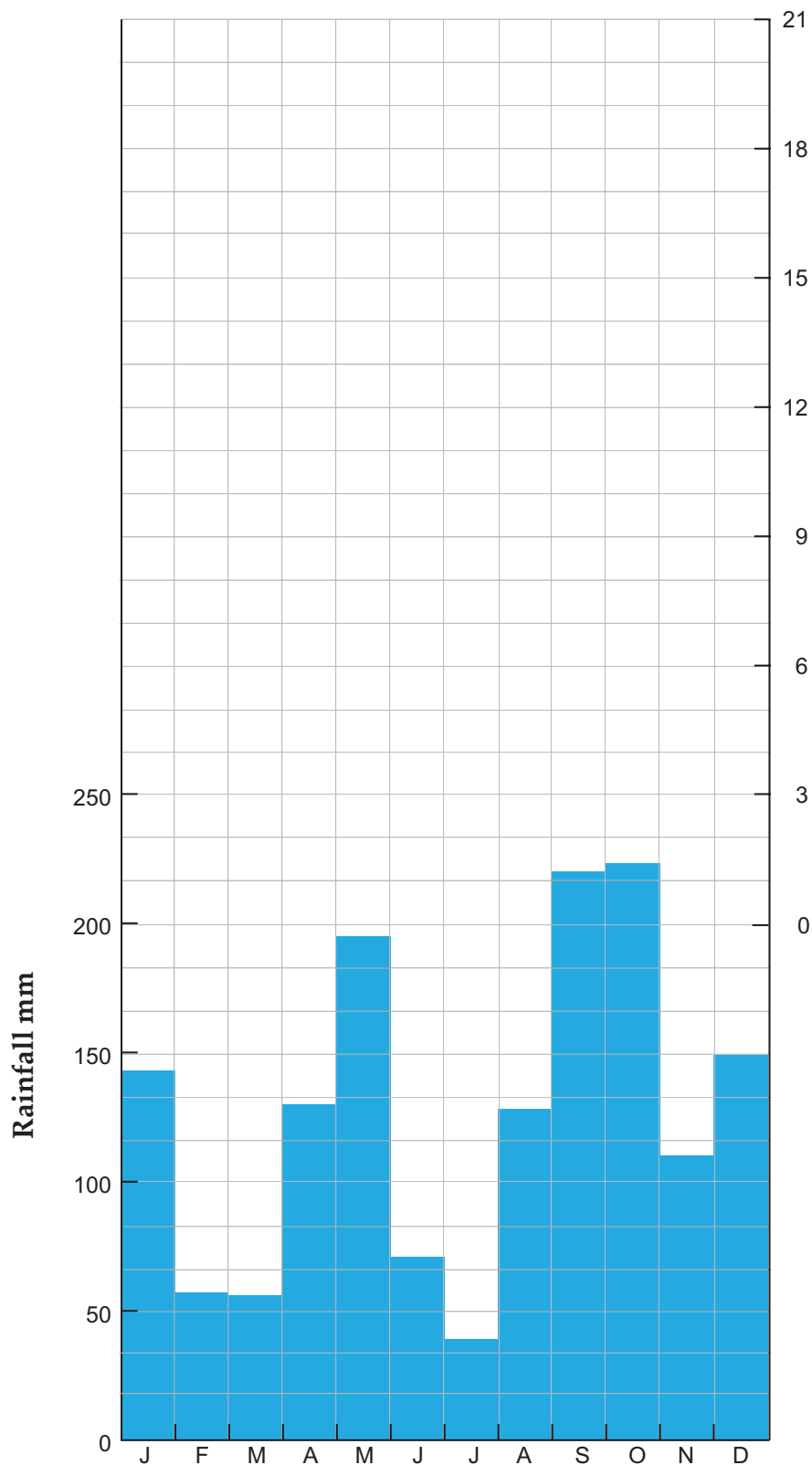
## QUESTION TWO: GRAPH, TABLES, AND STATISTICS

Refer to **Resource F** on page 5 of the resource booklet when answering (a)–(d).

- (a) Use the climate graph outline below to draw a graph showing the **monthly average temperature** for Halfmoon Bay (Stewart Island/Rakiura).

Include a title for your graph and a label for your temperature axis.

**Title:** \_\_\_\_\_



(b) (i) Which month has the highest rainfall on Stewart Island/Rakiura?

\_\_\_\_\_

(ii) What is the highest monthly rainfall in Wellington in millimetres?

\_\_\_\_\_

(iii) Name the TWO months that have the lowest rainfall on Stewart Island/Rakiura.

(1) \_\_\_\_\_

(2) \_\_\_\_\_

(c) With reference to the monthly rainfall and monthly temperature statistics in Resource F, name which month tourists would prefer to visit Stewart Island/Rakiura.

Give a reason for your choice.

Month: \_\_\_\_\_

Reason: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(d) Compare the climate of Stewart Island/Rakiura and Wellington.

Include specific information from **Resource F** in your answer, and refer to BOTH rainfall and temperature in your comparison.

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Refer to **Resource H** on pages 8–9 when answering (e).

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(e) (i) What is the height in metres of the highest point on the Rakiura Track?

\_\_\_\_\_

(ii) Give the distance between the shelters at Māori Beach and North Arm in kilometres.

\_\_\_\_\_

(iii) The Rakiura Track is designed as a three-day track for independent walkers. Each section of the track is quite different.

Fully explain how the Lee Bay to Port William Hut section of the track **differs** from the Port William Hut to North Arm Hut section.

Include specific information from **Resource H** in your answer, and refer to:

- elevation
- track direction
- vegetation
- distance
- historical features.

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**QUESTION THREE: APPLICATION OF GEOGRAPHIC CONCEPTS**

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Refer to **Resources A–G** on pages 2–7 of the resource booklet, when answering this question.

(a) Fully explain **natural resource use** on Stewart Island/Rakiura.

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(b) Fully explain **cultural resource use** on Stewart Island/Rakiura.

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**Part (b) continues on the next page**

- (c) Fully explain how the concept of **kaitiakitanga** is applied on Stewart Island/Rakiura.

Note: "kaitiakitanga" means the care of the land and its resources.



