

91010



910100



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

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SUPERVISOR'S USE ONLY

Level 1 Geography, 2014

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

9.30 am Monday 17 November 2014

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

ASSESSOR'S USE ONLY

Note: The place names, 'Wanganui' and 'Whanganui', were both recognised as official names of the city following an amendment passed in parliament in 2012, and as such, both spellings have been listed throughout this exam booklet. (The river name remains Whanganui).

QUESTION ONE: MAP AND RESOURCE INTERPRETATION

Refer to **Resources A–D** on pages 3 and 4 of the resource booklet, as well as **Resource F** on pages 6 and 7, when answering (a).

- (a) Write a geographic description to show the relationship between the City of Wanganui/Whanganui and the Whanganui River.

Include specific evidence from Resources A–D and Resource F to support your answer.

Refer to **Resource F** on pages 6 and 7 of the resource booklet when answering (b)–(d).

- (b) (i) Calculate the length of the main runway at Wanganui/Whanganui Airport.

- (ii) Name the compass directions of the main airport runway.

From: _____ to: _____

- (iii) Provide the numbers of the two state highways that meet at the roundabout at GR 752759.

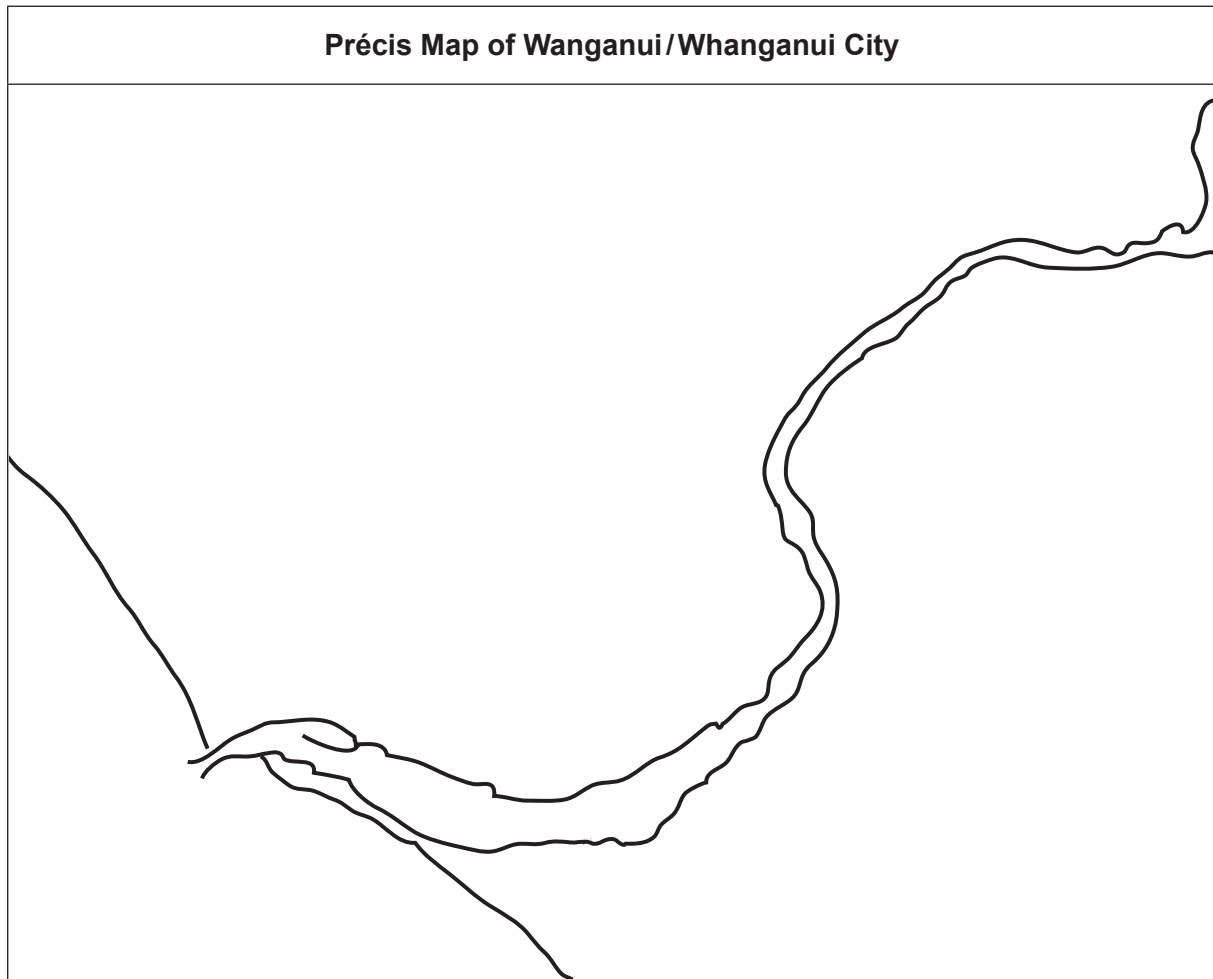
State Highways: _____ and: _____

- (c) Give the area reference (AR) for the suburb of Springvale (north-west of the Racecourse) from the map.

AR: _____

(d) On the **précis map** below, **locate and label**:

- the golf course (AR 7277)
- an area showing a 'grid street pattern'
- the railway bridge (GR 757803)
- Corliss Island (GR 738753).



Key:

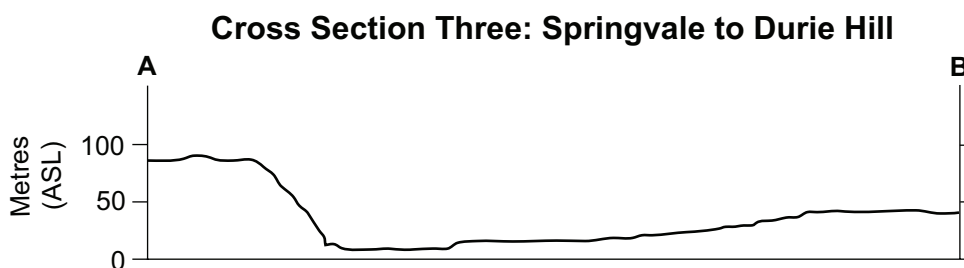
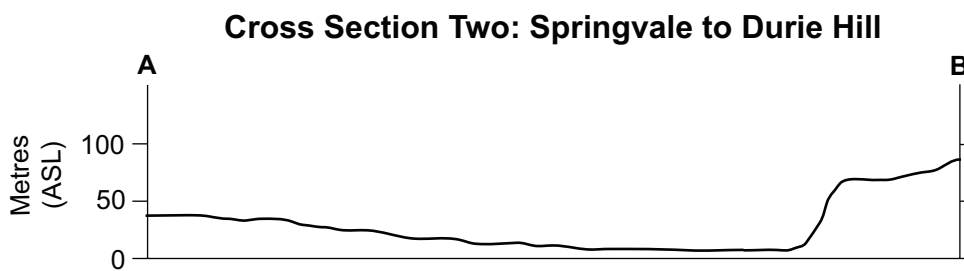
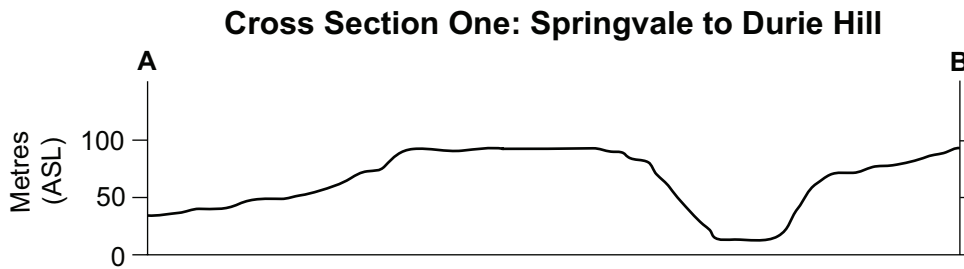
	The golf course (AR 7277)
	An area showing a 'grid street pattern'
	The railway bridge (GR 757803)
	Corliss Island (GR 738753)

Refer to the line marked **A–B** in **Resource F** on pages 6 and 7 of the resource booklet when answering (e).

(e) Study the three cross sections of the Whanganui River below.

Note: Only one of the cross sections is drawn correctly.

- (i) Circle the title of the correct cross section.
- (ii) On the correct cross section, mark the location of the Whanganui River appropriately.



QUESTION TWO: GRAPHS AND STATISTICS

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

- (a) Use the information about opening hours to calculate the number of hours the Durie Hill Elevator is open during the weekend.

_____ hours

Refer to **Resources G–J** on page 8 of the resource booklet when answering (b)–(d).

- (b) The statistics shown in Resources G–J can each be represented on one of the following four different types of graphs:

- (1) A line graph
- (2) A percentage bar graph
- (3) A histogram
- (4) A scatter graph.

Complete the table below by matching the statistics in Resources G–J with the **correct** graph type from the list above.

Note: Use each type of graph only once.

Statistics	Graph Type
Population of Wanganui/Whanganui	
Getting to Wanganui/Whanganui (time and distance)	
Average rainfall statistics for the Wanganui/Whanganui area	
Referendum results on the spelling of Wanganui vs Whanganui	

- (c) (i) Which season in 2012 had the most rainfall?

- (ii) What is the total rainfall for the season you have named in (c) (i)?

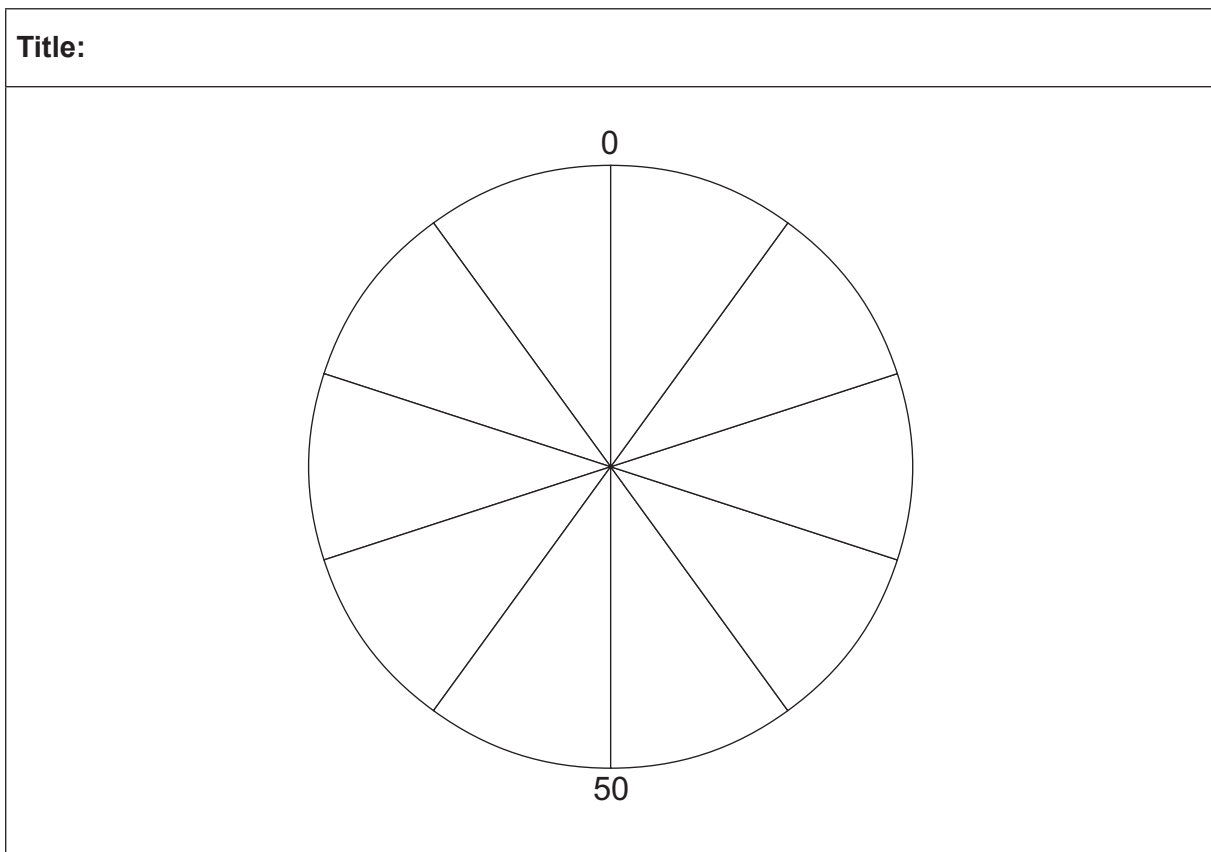
_____ mm

Visitor Activities on the Whanganui River

Rowing and sculling events have been held on the Whanganui River since the late 1800s. The river is important for attracting tourists and is used for canoeing, jet boat rides to the "Bridge to Nowhere", and paddle steamer rides, as shown in the table below:

Activity	Percentage
Canoeing	45
Jet boat rides	25
Paddle steamer rides	15
Rowing or sculling	4
Private boating activities	11

- (e) Use the 'Visitor Activities on the Whanganui River' figures from the table above to complete the pie graph below.



Key:

	Canoeing
	Jet boat rides
	Paddle steamer rides
	Rowing or sculling
	Private boating activities

