

91243



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

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SUPERVISOR'S USE ONLY

Level 2 Geography

91243 Apply geography concepts and skills to demonstrate understanding of a given environment

Credits: Four

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

SAMPLE ASSESSMENT

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 91243R 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

INSTRUCTIONS

Refer to the resource booklet before answering the question in this booklet about the development of the proposed Ruataniwha Water Storage Scheme in the Central Hawke's Bay.

Parts (a) to (d) should enable you to gain an understanding of the Central Hawke's Bay environment, so that you can explain the sustainability of the proposed Ruataniwha Water Storage Scheme in part (e).

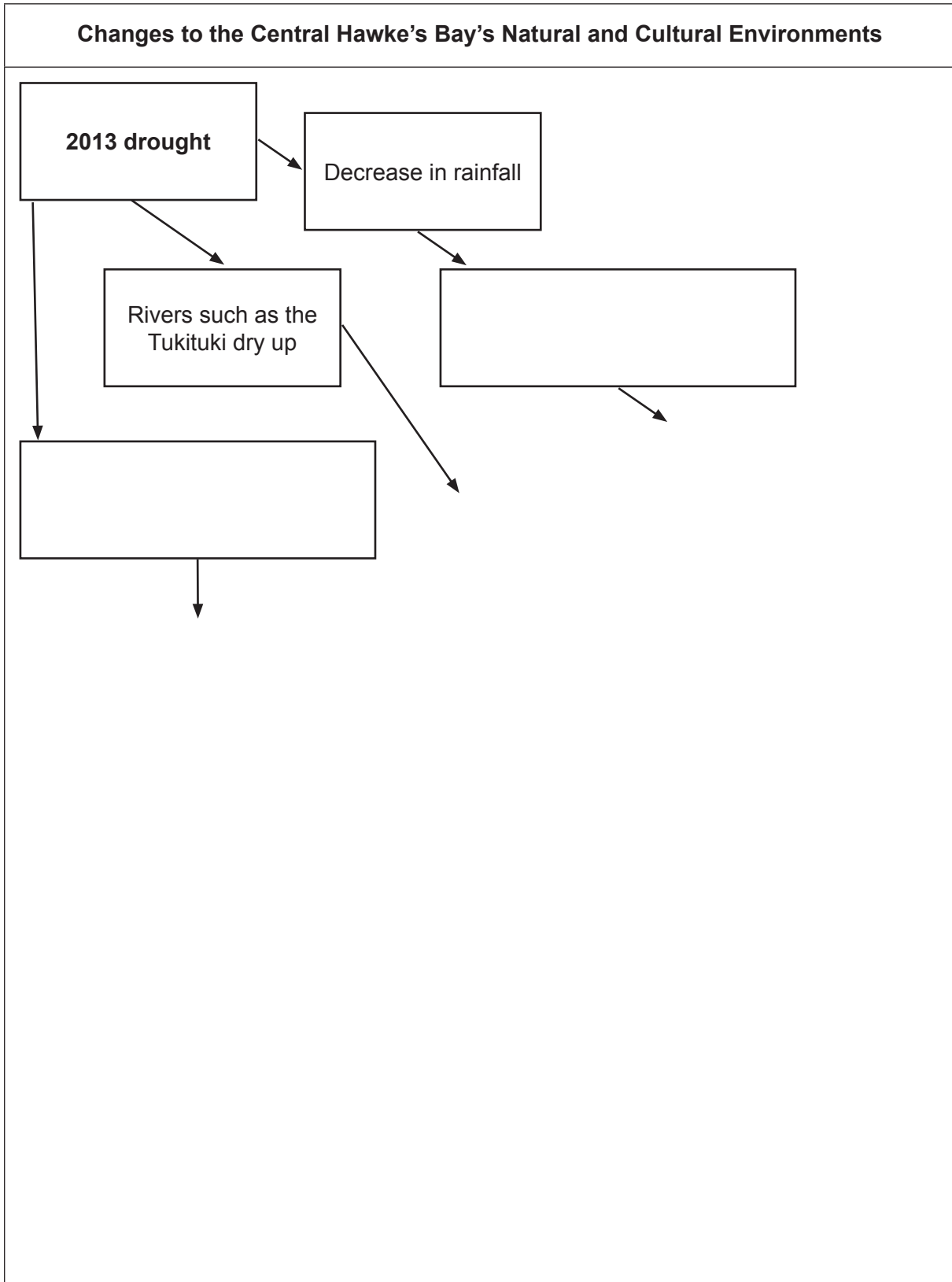
Space is provided on page 8 to help you plan your answer to (e).

QUESTION: THE RUATANIWHA WATER STORAGE SCHEME

(a) The effects of the 2013 drought on the Central Hawke's Bay environment

Refer to the geographic concept of change on page 2 of the resource booklet, and **Resource B** on page 4, when answering (a).

Draw further boxes and arrows to explain the changes to the natural and cultural environments of Central Hawke's Bay that resulted from the 2013 drought.

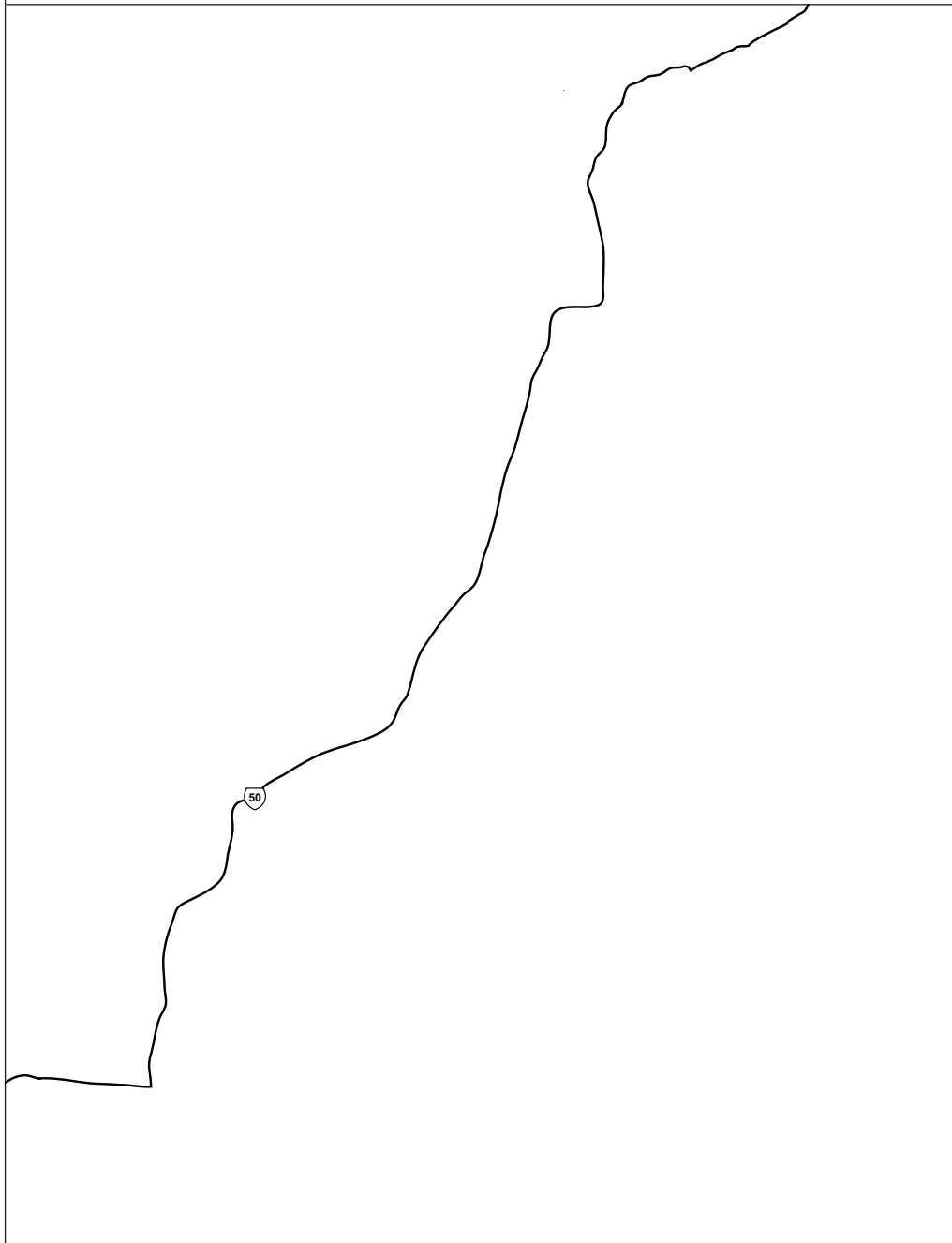


(b) **The location and features of the proposed Ruataniwha Water Storage Dam**

Note: A frame has been drawn on Resource D to indicate the précis map area for (b).

- (i) Refer to **Resource D** on pages 6 and 7 of the resource booklet to locate and label on the précis map:
- the settlements of Waipukurau and Waipawa
 - State Highway 2
 - the site of the proposed water storage dam at GR 882589.
- (ii) Refer to **Resource C** on page 5 of the resource booklet to locate and label on the précis map the approximate areas of land that are proposed for irrigation.

Précis Map of the Central Hawke's Bay and proposed storage dam



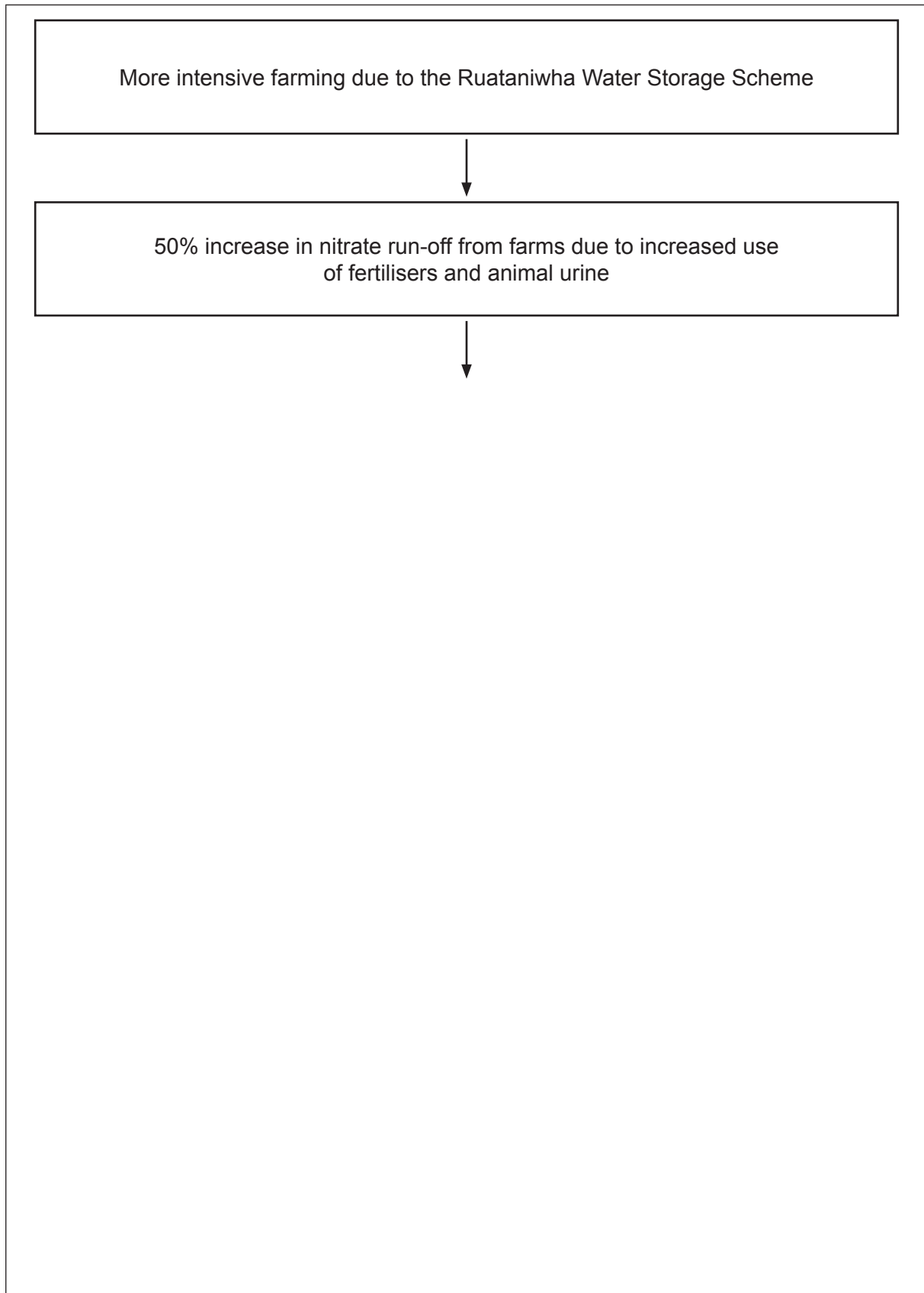
Key

	Settlements (Waipukurau and Waipawa)
	State Highway 2
	Location of the proposed water storage dam
	Areas of land proposed for irrigation

(c) **The effect of nitrate run-off on the Central Hawke's Bay environment**

Refer to the geographic concept of processes on page 2 of the resource booklet, and **Resource E** on page 8, when answering (c).

Draw further boxes and arrows to explain how the process of nitrate run-off from more intensive farming, could change the Central Hawke's Bay environment.



(e) **The sustainability of the proposed Ruataniwha Water Storage Scheme**

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Fully explain the sustainability of the proposed Ruataniwha Water Storage Scheme for the natural and cultural environments of Central Hawke's Bay.

In your answer, you should refer to:

- the geographic concepts of sustainability and kaitiakitanga on page 2 of the resource booklet
- Resources A to I, as appropriate
- specific information from your answers in (a) to (d) relating to the Central Hawke's Bay environment.

PLANNING (optional)

