

91007



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

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## Level 1 Geography, 2014

### 91007 Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)

9.30 am Monday 17 November 2014

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s).	Demonstrate in-depth geographic understanding of environments that have been shaped by extreme natural event(s).	Demonstrate comprehensive geographic understanding of environments that have been shaped by extreme natural event(s).

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.**

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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### INSTRUCTIONS

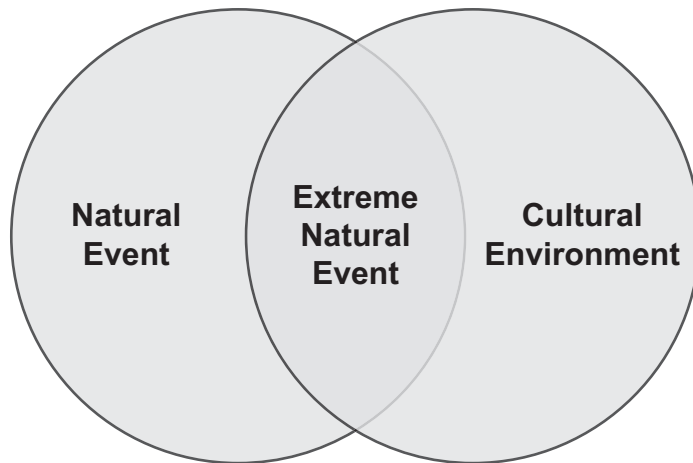
In the box below, name ONE type of **extreme natural event**, and an environment **case study (studies)**.

Type of extreme natural event: <hr/>
Name of case study (studies): <hr/> <hr/> <hr/> <hr/>

Refer to these when answering ALL of the questions in this booklet.

### QUESTION ONE: Natural Processes

Refer to the diagram below about extreme natural events affecting people and the environment, when answering (a).



(a) Explain what you understand by the term 'extreme natural event'.

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Read the geographic concept below.

**Geographic Concept**

**Processes** are sequences of actions, natural and/or cultural, that shape and change environments, places, and societies.

Processes are studied by geographers to help explain features of our world. These processes may occur below, on, or above the earth’s surface.

(b) Fully explain the natural processes that produced the named event in your case study (studies) on page 2.

In your answer, include specific, relevant evidence from:

- the geographic concept above
- your extreme natural event case study (studies).

You may include a combination of notes, maps, and annotated diagrams to support your answer.

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**QUESTION TWO: Effects on the Natural and Cultural Environment**

Read the geographic concept below.

**Geographic Concept**

**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, recurrent, or cyclic, while others are unpredictable or erratic.

During an extreme natural event, change can be unpredictable or erratic, and can occur quickly or over a period of time.

Natural Features	Cultural Features
Landforms	Shops and factories
Soils	Churches and other buildings
Slopes	Infrastructure
Coastline	Social activities
Rivers	Employment
Vegetation	Economic activities

Fully explain the effects of your named extreme natural event on one natural feature AND one cultural feature from the table above.

In your answer, include specific, relevant evidence from:

- the geographic concept above
- your extreme natural event case study (studies).

You may include a combination of notes, maps, and annotated diagrams to support your answer.

Natural feature: \_\_\_\_\_

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Cultural feature: \_\_\_\_\_

**QUESTION THREE: Cultural Characteristics of the Environment and Human Response to the Extreme Natural Event**

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- (a) Name ONE cultural characteristic of your named environment case study (studies), and fully explain how it has made the environment **more** vulnerable to your named extreme natural event.

In your answer, include specific, relevant evidence from your extreme natural event case study (studies).

You may include a combination of notes, maps, and annotated diagrams to support your answer.

Cultural characteristic: \_\_\_\_\_

Explanation: \_\_\_\_\_

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When an extreme natural event occurs, people respond to it in various stages. Refer to the diagram below, summarising some of the human responses at each stage, when answering (b).



Source (adapted): L. Anderson, *Nature's Fury, Extreme Natural Events NCEA Level 1* (North Shore: Pearson Education New Zealand, 2012).

(b) Choose ONE human response from the diagram above.

Explain your chosen human response below.

In your answer, include specific, relevant evidence from:

- the diagram above
- your extreme natural event case study (studies).

Stage chosen: \_\_\_\_\_

Human response: \_\_\_\_\_

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