

See back cover for an English translation of this cover

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91007M



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

SUPERVISOR'S USE ONLY

Matawhenua, Kaupae 1, 2012

91007M Te whakaatu māramatanga matawhenua ki ngā taiao kua auahatia e te (ngā) tūponotanga ā-taiao taikaha

9.30 i te ata Rāmere 22 Whiringa-ā-rangi 2012
Whiwhinga: Whā

Paetae	Paetae Kaiaka	Paetae Kairangi
Te whakaatu māramatanga matawhenua ki ngā taiao kua auahatia e te (ngā) tūponotanga ā-taiao taikaha.	Te whakaatu māramatanga matawhenua hōhonu ki ngā taiao kua auahatia e te (ngā) tūponotanga taiao taikaha.	Te whakaatu māramatanga matawhenua matawhānui ki ngā taiao kua auahatia e te (ngā) tūponotanga taiao taikaha.

Tirohia mehemea e ōrite ana te Tau Ākonga ā-Motu (NSN) kei tō pepa whakauru ki te tau kei runga ake nei.

Me whakautu e koe ngā wāhanga KATOA o ngā pātai KATOA kei roto i te pukapuka nei.

Ki te hiahia koe ki ētahi atu wāhi hei tuhituhi whakautu, whakamahia ngā whārangi kei muri i te pukapuka nei.

Tirohia mehemea kei roto nei ngā whārangi 2–19 e raupapa tika ana, ā, kāore hoki he whārangi wātea.

HOATU TE PUKAPUKA NEI KI TE KAIWHAKAHAERE HEI TE MUTUNGA O TE WHAKAMĀTAUTAU.

TAPEKE

MĀ TE KAIMĀKA ANAKE

Kia 60 meneti hei whakautu i ngā pātai o tēnei pukaiti.

Ki te pouaka o raro nei, tuhia te ingoa o TĒTAHI momo **tūponotanga ā-taiao taikaha**¹ me **(t)ētahi mātai tūāhua** ka whakamahia e koe ki te whakautu i ngā Pātai Tuatahi, Tuarua, Tuatoru hoki.

Te momo tūponotanga ā-taiao taikaha:

Te ingoa o te (ngā) mātai tūāhua:

PĀTAI TUATAHI: NGĀ ĀHUATANGA O TE TAI AO

Pānuitia ngā **Huatau Matawhenua** e whai ake nei. Whakaurua he kōrero tāuwhāiti ki aua huatau, ki te **tūponotanga ā-taiao taikaha** hoki me te **taiao** o te (ngā) mātai tūāhua kua whakaingoatia e koe i runga, hei tautoko i ō whakautu ki tēnei pātai.

Ngā Huatau Matawhenua

He raupapa mahi whai pānga **ngā tukanga** ka auaha, ka whakarerekē hoki i te taiao.

He tūturu pea **ngā taiao**. He tūāhua, he āhuatanga hoki ō ēnei ko ngā tukanga tūturu pea te pūtake.

- (a) Tātuhia (t)ētahi hoahoa whai whakamāramatanga (whai tapa) ki te pouaka kei te whārangi 3, hei whakaatu i ngā āhuatanga **tūturu**², **ahurea** HOKI e noho whakaraerae ai te taiao o (t)ō mātai tūāhua ki tō tūponotanga ā-taiao taikaha.

¹ pāpono aotū hautupua

² māori

Ingoa Matua:

MĀ TE
KAIMĀKA
ANAKE

Kī:

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

In the box below, name ONE type of **extreme natural event**, and a **case study (studies)** that you will use to answer Questions One, Two, and Three.

Type of extreme natural event:

Name of case study (studies):

QUESTION ONE: CHARACTERISTICS OF THE ENVIRONMENT

Read the following **Geographic Concepts**. Include specific references to them, as well as to the **extreme natural event** and to the **environment** of the case study (studies) you have named above, to support your answers to this question.

Geographic Concepts

Processes are sequences of related actions that shape and change environments.

Environments may be natural. They have particular characteristics and features, which can be the result of natural processes.

- (a) Draw a fully annotated (labelled) diagram(s) in the box on page 5, to show the **natural AND cultural characteristics** that make the environment of your case study (studies) vulnerable to your named extreme natural event.

Title:

Large empty rectangular box for drawing or content.

Key:

**ASSESSOR'S
USE ONLY**



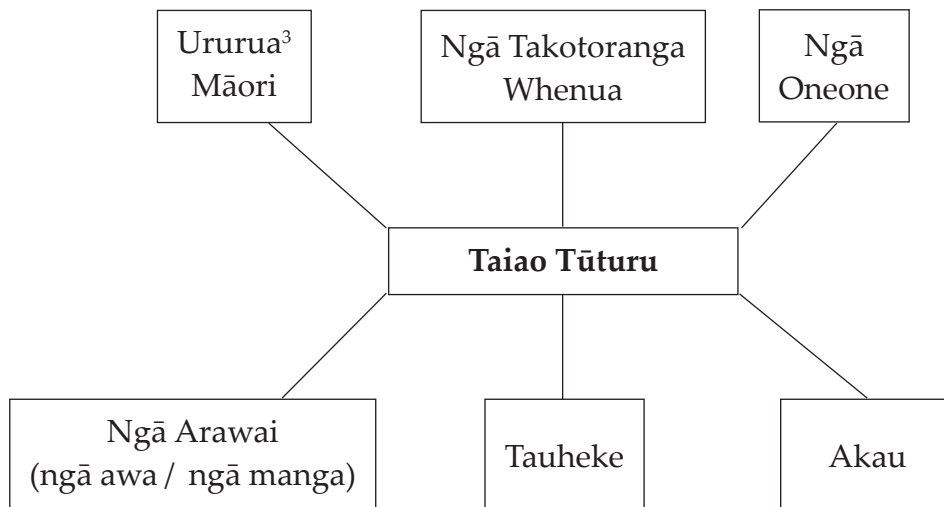
PĀTAI TUARUA: NGĀ PĀNGA KI TE TAI AO TŪTURU

Pānuitia te **Huatau Matawhenua** e whai ake nei. Whakaurua he kōrero tauwhāiti mō tēnei mea, tae atu ki te **tūponotanga ā-taiao taikaha** me te **taiao** o te (ngā) mātai tūāhua kua whakaingoatia e koe i te whārangi 2, hei tautoko i ō whakautu ki tēnei pātai.

Huatau Matawhenua

Ka whai wāhi ki te **panoni** tētahi, ētahi whakarerekētanga hoki ki te taiao tūturu, te taiao ahurea hoki. He tukanga noa te panoni i roto i te taiao tūturu. Ka tūpono i ngā auau rerekē, i ngā wā rerekē, i ngā wāhi rerekē hoki.

Tērā pea kei roto i ngā **āhuatanga tūturu**:



Whakamārama katoatia te **āhua** i pāngia ai te taiao tūturu e tō tūponotanga ā-taiao taikaha.

Whakaurua he kōwhiringa o ngā tuhipoka me (tētahi) ētahi hoahoa hei tautoko i tō whakautu. Ka taea te whakamahi te wāhi kei raro mō tō (ō) hoahoa.

³ Otaota

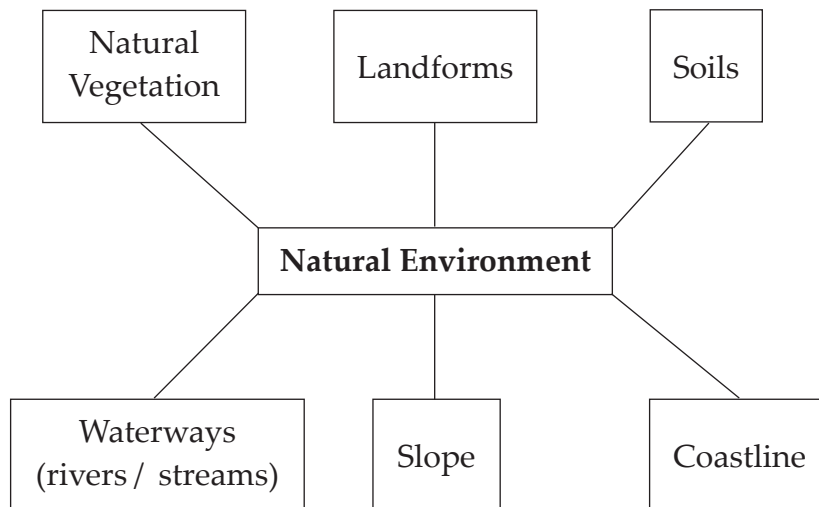
QUESTION TWO: IMPACTS ON THE NATURAL ENVIRONMENT

Read the following **Geographic Concept**. Include specific references to it, as well as to the **extreme natural event** and to the **environment** of the case study (studies) you have named on page 4, to support your answers to this question.

Geographic Concept

Change involves any alteration to the natural or cultural environment. Change is a normal process in a natural environment. It occurs at varying rates, at different times, and in different places.

The **natural features** of an environment may include:



Fully explain **how** your named extreme natural event has affected the natural environment.

Include a combination of notes and diagram(s) to support your answer. You may use the space below for your diagram(s).

QUESTION THREE: HUMAN RESPONSES

Read the following **Geographic Concept**. Include specific references to it, as well as to the **extreme natural event** and to the **environment** of the case study (studies) you have named on page 4, to support your answers to this question.

Geographic Concept

Perspectives may influence how people interact with environments and the decisions and responses that they make. People’s perspectives are shaped by their background, their experiences, and their involvement with a particular natural environment.

When an extreme natural event occurs, individuals, groups, or organisations, respond in different ways. These responses may occur immediately after the event, or they may be long-term responses.

Name TWO individuals, groups, or organisations, AND **fully explain** how EACH has responded to the effects of your named extreme natural event at a selected time period.

Note: This may be the **same** time period for each group, or it may be **different**.

Individual, group, or organisation (1): _____

Circle a time period:

Immediately after the event

Long-term

Tangata takitahi, rōpū, whakahaere rānei (2): _____

Porowhitatia tētahi houanga:

I muri tonu i te tūponotanga

Wā roa

Individual, group, or organisation (2): _____

Circle a time period:

Immediately after the event

Long-term

English translation of the wording on the front cover

Level 1 Geography, 2012

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

9.30 am Friday 23 November 2012
Credits: Four

91007M

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 parts of ALL 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 2–19 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.