



# ANGLO-CHINESE JUNIOR COLLEGE

## JC 2 Preliminary Examinations 2014

### GEOGRAPHY

### Higher 1

**8812/01**

**Time: 3 hours**

**29 August 2014 (Friday)**

#### READ THESE INSTRUCTIONS FIRST

Write your Centre number, index number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a soft pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

#### Section A

Answer **four** questions.

#### Section B

Answer **one** question in this section.

#### Section C

Answer **one** question in this section.

You are advised not to spend more than 1 hour 30 minutes on Section A.

The insert contains all the Figures, Tables, and Photographs referred to in the questions.

You should make reference to appropriate examples studied in the field or in the classroom, even where such examples are not specifically requested by the question.

Diagrams and sketch maps should be drawn whenever they serve to illustrate an answer.

The world outline map may be annotated and handed in with relevant answers.

You are reminded of the need for good English and clear presentation in your answers.

The number of the marks is given in brackets [ ] at the end of each question or part question.

On the **cover sheet** provided, include:

- Your name and index no.
- The question numbers of the question you have attempted in the boxes provided, and place the cover sheet as the top page over your answers.
- At the end of the examination, fasten all your work securely together as one bundle.

**This document consists of 5 printed pages, including this cover page.**

**Insert 1 consists of 9 printed pages.**



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**[Turn Over]**

### Section A

Answer **four** questions in this section.

Questions 1, 2 and 3 carry 12 marks and Question 4 carries 14 marks.

You should allocate your time accordingly.

#### Lithospheric Processes, Hazards and Management

- 1 Photographs A shows B show two types of limestone landforms.
- (a) Name the landforms found in Photographs A and B. [2]
  - (b) Draw an annotated sketch of Photograph A from section X to Y, describing the key physical features of the landform. [3]
  - (c) Account for the formation of landform 'Z' shown in Photograph B. [7]

#### The Globalisation of Economic Activity

- 2 Fig. 1A shows the global trade flows of dairy products.  
Fig. 1B shows the research and development network of Nestle.
- (a) (i) Name the technique used to represent the global trade of dairy products in Fig. 1A **and** give one advantage of the technique. [2]
  - (ii) State the European Union (EU's) predominant export. [1]
  - (b) With reference to Fig. 1B, suggest reasons for the location of Nestle's R&D centres. [3]
  - (c) Explain how technological advances have resulted in the global trade flows of dairy products depicted in Fig. 1A. [6]

#### Hydrologic Processes, Hazards and Management

- 3 **EITHER**  
Fig. 2 shows the path of the Mekong River.
- (a) Describe the physical characteristics of the river from source to mouth. [2]
  - (b) With reference to Fig. 2 **and** your own knowledge, suggest possible advantages and disadvantages if the proposed Xayaburi dam were to be completed. [6]
  - (c) Describe the possible impacts that existing dams can have on the hydrological cycle. [4]

## Urban Issues and Challenges

### 3 OR

Fig. 3 shows a land use map of an urban area in Pretoria, a city in South Africa (LDC).

- (a) To what extent is there evidence of social segregation in Fig. 3? [4]
- (b) Describe and account for the location of squatter settlements. [4]
- (c) Outline and assess **one** housing strategy to improve living conditions in squatter settlements. [4]

## Lithospheric and Hydrologic Processes, Hazards and Management

### 4 EITHER

Fig. 4A shows a volcanic hazard map in New Zealand.

Fig. 4B shows the tectonic setting of New Zealand.

- (a) Using Figs 4A and 4B, describe and account for any **one** type of volcanic hazard. [3]
- (b) If you were to produce an earthquake hazard map, what information would you need in order to produce such a map? [2]
- (c) With reference to Fig. 4B, name the landform found at 'X' and account for its formation. [4]
- (d) Explain the impacts of volcanic eruptions on river processes and water quality. [5]

## The Globalisation of Economic Activity and Urban Issues and Challenges

### 4 OR

Fig. 5A shows a world map and the location of megacities while Fig. 5B shows a cartoon depicting globalisation.

- (a) Define the term *megacity* and explain one reason for its growth. [3]
- (b) Using evidence from Fig. 5B, suggest the various effects of outsourcing. [6]
- (c) Outline how a pedestrian count could be conducted in the urban area that you live in. [5]

**Section B Physical Geography**  
Answer **one** question in this section.

**Lithospheric Processes, Hazards and Management**

- 5 Either**
- (a)** With the aid of diagrams, account for the formation of land forms associated with divergent boundaries. **[9]**
  - (b)** To what extent can hard engineering measures mitigate the hazardous effects of volcanic eruptions? **[16]**
- 5 Or**
- (a)** Compare the characteristics of igneous and sedimentary rocks. **[9]**
  - (b)** Assess the view that geology and climate are the main factors that determine the type and rate of weathering. **[16]**

**Hydrologic Processes, Hazards and Management**

- 6 Either**
- (a)** Compare the differences between Hortonian/Infiltration Excess Flow and Saturation Overland Flow. **[9]**
  - (b)** Assess the view that the effective mitigation of floods needs to be considered from a variety of measures. **[16]**
- 6 Or**
- (a)** Explain the natural and anthropogenic causes of river flooding. **[9]**
  - (b)** To what extent can conflict of interests that arise from the management of drainage basins be said to be mainly environmental? **[16]**

**Section C Human Geography**  
Answer **one** question in this section.

**The Globalisation of Economic Activity**

- 7 Either**
- (a) Describe the impacts of Export Processing Zones (EPZs) and Science Parks on the economies of Less Developed Countries (LDCs) and Developed Countries (DCs). [9]
- (b) 'The impacts of Transnational Corporations (TNCs) on LDCs and DCs are said to be mainly economic in nature.'
- Discuss the validity of this statement. [16]
- 7 Or**
- (a) Explain the following terms: *de-industrialisation* and *re-industrialisation*. [9]
- (b) Evaluate the role of supranational bodies and their impacts on national and regional economies. [16]

**Urban Issues and Challenges**

- 8 Either**
- (a) Explain the factors which have encouraged urban processes of suburbanisation and counter-urbanisation. [9]
- (b) To what extent is road pricing an effective means of alleviating traffic congestion and pollution in urban cities? [16]
- 8 Or**
- (a) Explain how variations in the economic value of land can lead to its functional zoning. [9]
- (b) How far can it be said that *reimaging* has been the main strategy used by governments to rejuvenate the central area of cities? [16]

[End]



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## Insert 1

This insert contains all the Photographs, Table & Figures referred to in the question paper.

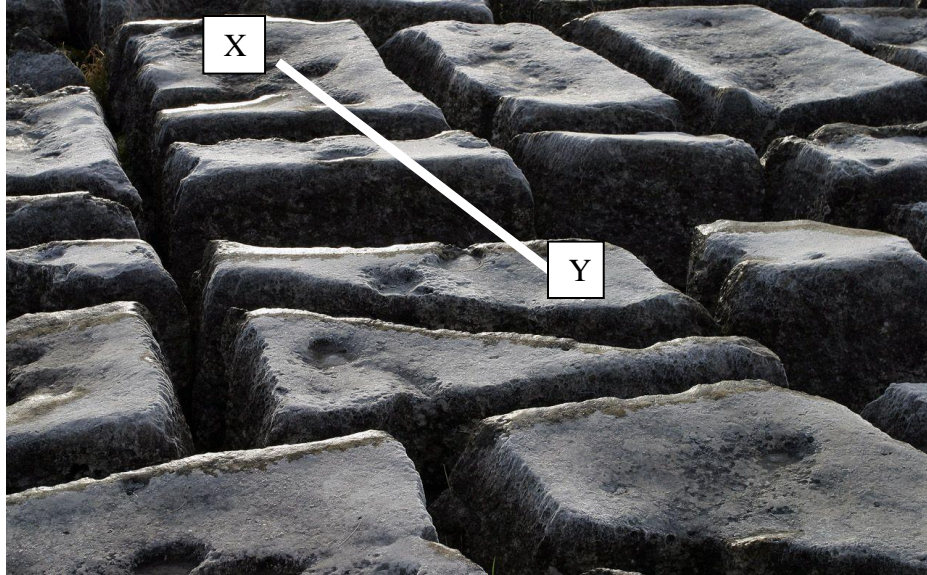
This document consists of 9 printed pages, including this cover page.



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[Turn Over]

**Photograph A for Question 1**

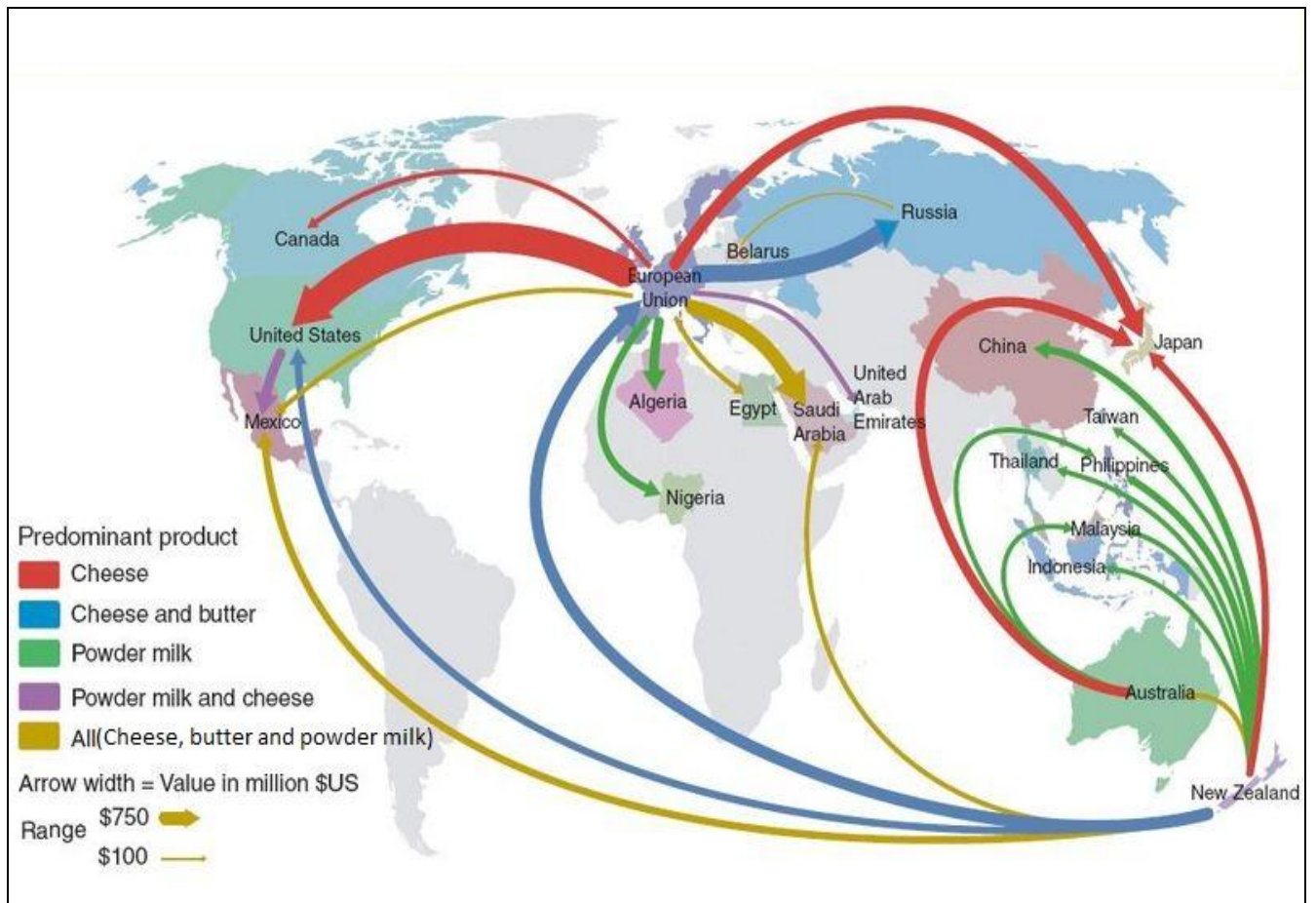


**Photograph B for Question 1**





Fig. 1A for Question 2





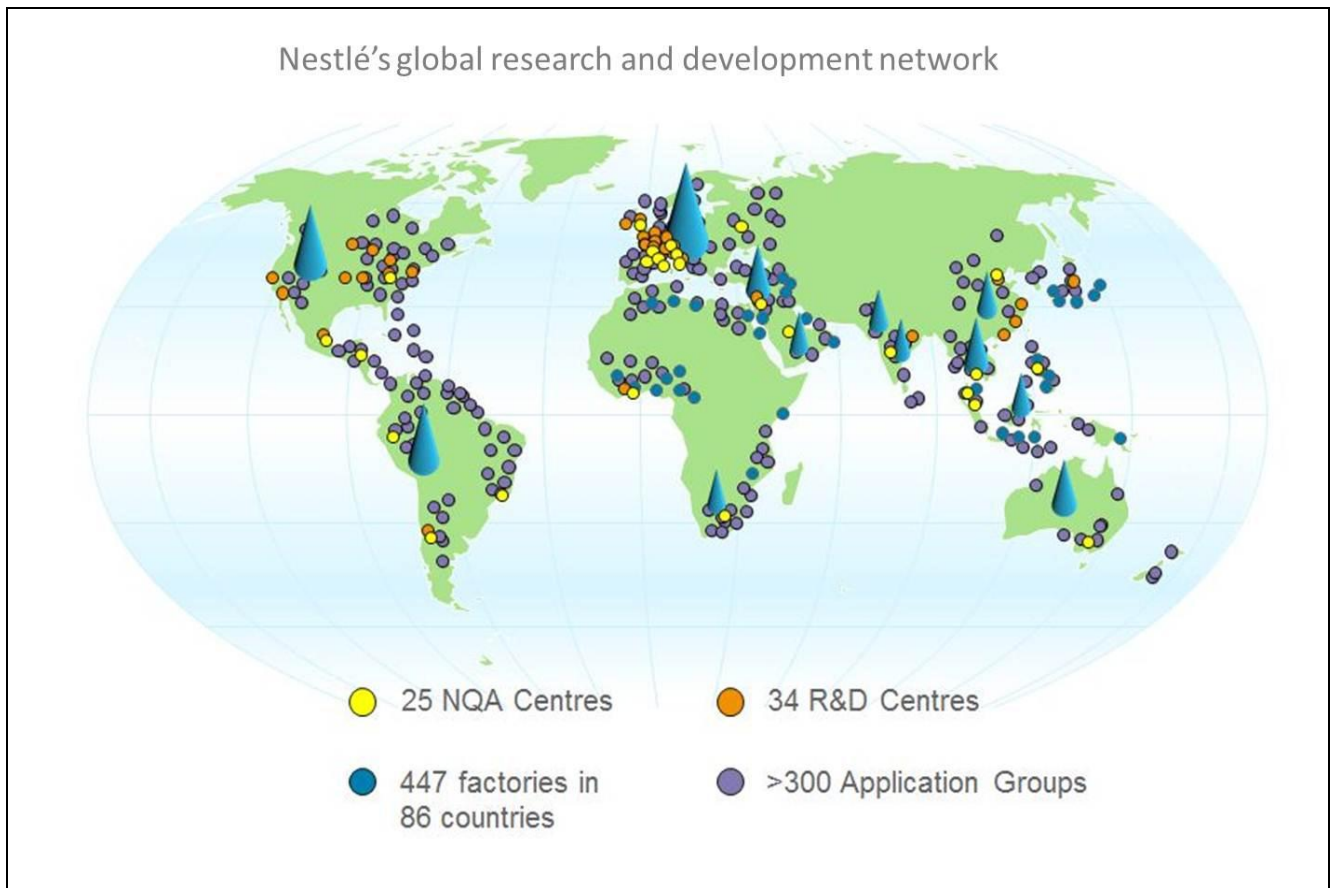
**Fig. 1B for Question 2**

Fig. 2 for Question 3 EITHER



Fig. 3 for Question 3 OR

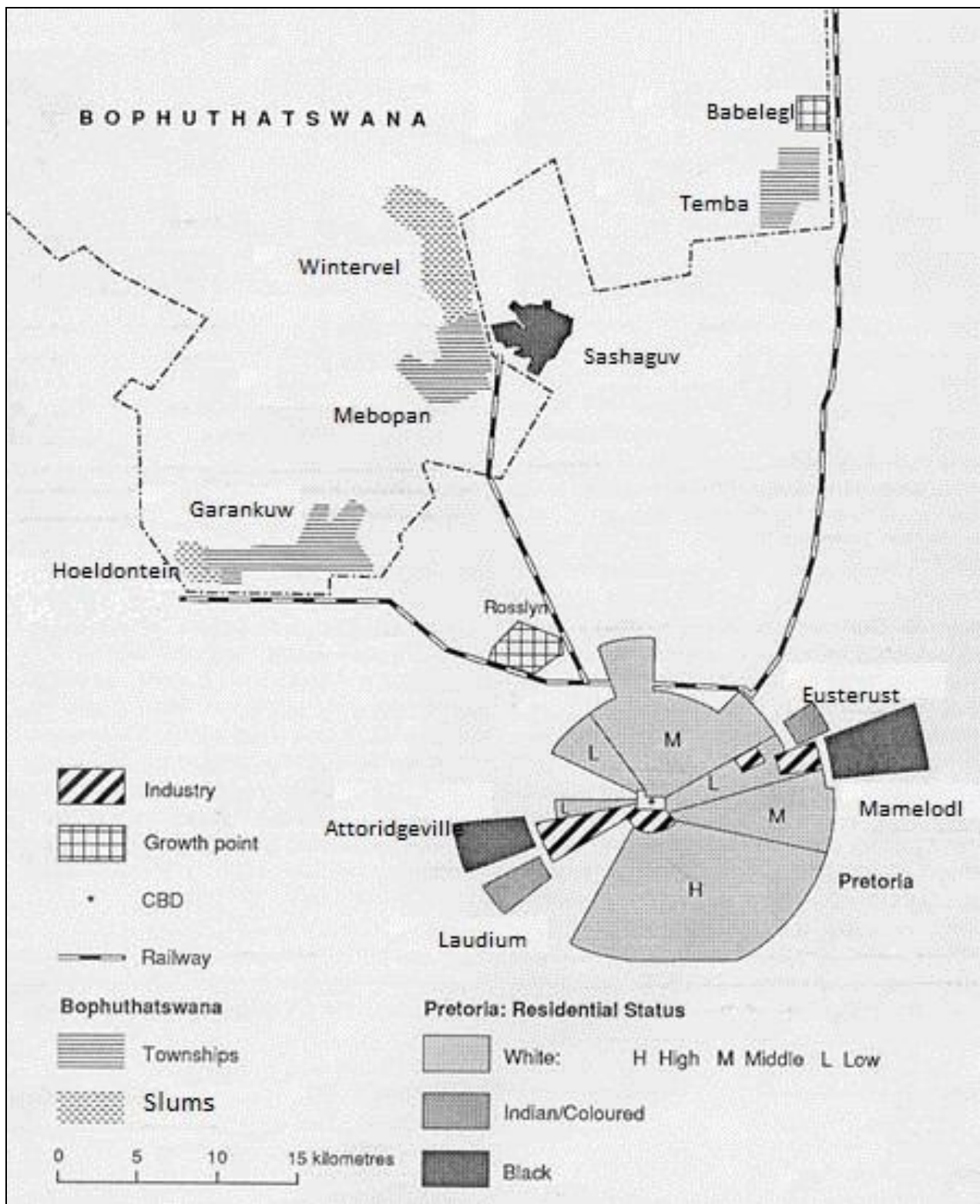




Fig. 4A for Question 4 EITHER

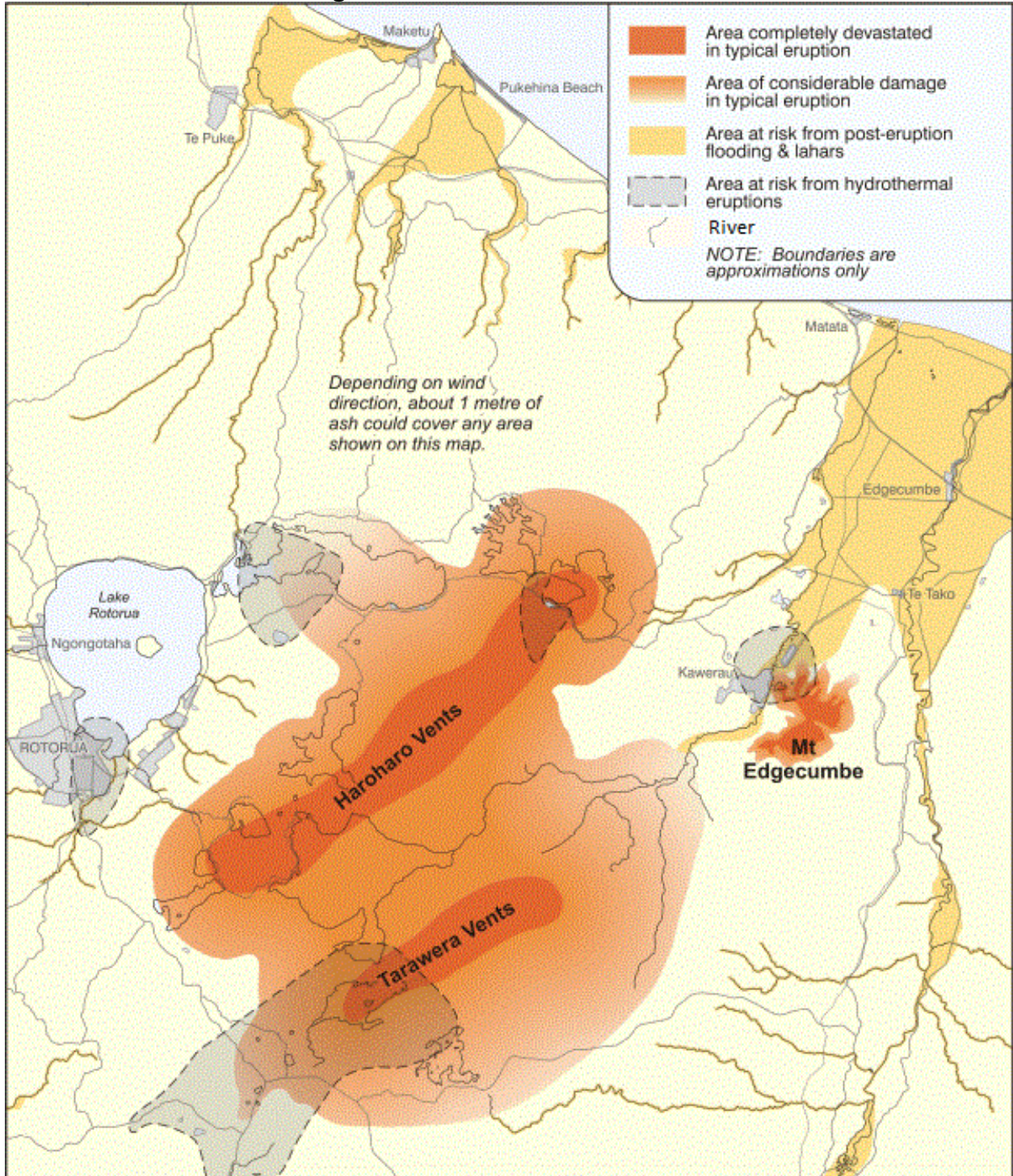


Fig. 4B for Question EITHER



Figure 1: Detailed plate tectonic setting of New Zealand

Fig. 5A for Question 4 OR



*The numbers represent millions of people*



Fig. 5B for Question 4 OR

