



For Supervisor's use only



93401



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

New Zealand Scholarship

Geography, 2004

9.30 am Monday 22 November 2004

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

Read the instructions on page 3 and refer to the separate Resource Booklet 93401R.

You should answer BOTH the questions in this Booklet. Start Question One on page 6 and Question Two on page 12. Number any extra pages used carefully.

Check that this booklet has pages 2–24 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.

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|--|----------------------------|
| <i>For assessor's use only</i> | Outcome Description |
| The student will critically analyse a geographic context and transfer and apply geographic ideas and understanding. | |
| Scholarship Criteria | |
| The student will, within a geographic context: <ul style="list-style-type: none">• communicate a critical analysis of a particular setting by:<ul style="list-style-type: none">– interpreting the geographic nature of the context– evaluating geographic perspectives• apply the critical analysis to another setting. | <input type="checkbox"/> |
| Scholarship with Outstanding Performance Criteria | |
| In addition to meeting the criteria for Scholarship, the student will demonstrate within the critical analysis: <ul style="list-style-type: none">• a high level of integration and abstraction• insight• sophisticated communication. | <input type="checkbox"/> |
| Overall Level of Performance | <input type="checkbox"/> |

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You are advised to spend three hours answering the questions in this booklet.

INSTRUCTIONS

You should:

- read the material below. This will provide you with an introduction and an overview of the geographical context
- read the questions carefully
- study Resource Booklet 93401R and make notes in this Question and Answer Booklet on planning pages 4 and 5 that will help you write your final answers
- write your answers in this booklet. Space for your answer to Question One begins on page 6 and for Question Two on page 12.

The context – Electric Blue – an overview

The context: On March 29th this year (2004) it was announced that Project Aqua was being abandoned. Project Aqua was a proposed large Hydro Electric Power (HEP) scheme on the lower Waitaki River in the South Island. The abandonment of Aqua brought the issue of electricity supply and demand within New Zealand into sharp focus.

Increasing worldwide consumption of electricity was a feature of the 20th century. This increase in consumption was associated with technological advances, population growth, lifestyle change and economic development. Electricity demand is predicted to continue to increase during the 21st century. Meeting electricity needs has become an issue locally, nationally and globally. Electricity shortages are becoming apparent in particular places and at particular times. This scholarship geography exam focuses on the merits or otherwise of HEP, of meeting electricity needs from a global perspective and how the future supply of electricity can best be addressed in New Zealand.

The resource booklet contains information about:

- A** – Global electricity production and consumption
- B** – Project Aqua
- C** – Hydro Electric Power schemes – a case study from Canada.
- D** – Electricity in New Zealand – where to next?

Write illustrated essay answers to these two questions:

- *In both answers, include reference to, and discussion of, geographic ideas and perspectives.*
- *Use visuals such as maps, graphs, diagrams and tables to support your answers.*

Question One

Identify and discuss the reasons why people have such varied views about the merits or otherwise of hydro-electric power projects. Refer to both case studies presented in the Resource Booklet (Project Aqua and James Bay, Canada) in your answer.

Question Two

Critically evaluate the view that ‘the use of renewable energy resources is the best way to meet the electricity needs of New Zealand in the future’. (*Critically evaluate* requires you to weigh up evidence, assess validity and make informed judgements.)

Planning page for Question One**Question One**

Identify and discuss the reasons why people have such varied views about the merits or otherwise of hydro-electric power projects. Refer to both case studies presented in the Resource Booklet (Project Aqua and James Bay, Canada) in your answer.

Planning
Page

Planning page for Question Two**Question Two**

Critically evaluate the view that 'the use of renewable energy resources is the best way to meet the electricity needs of New Zealand in the future'. (*Critically evaluate* requires you to weigh up evidence, assess validity and make informed judgements.)

Planning
Page

Identify and discuss the reasons why people have such varied views about the merits or otherwise of hydro-electric power projects. Refer to both case studies presented in the Resource Booklet (Project Aqua and James Bay, Canada) in your answer.

[illegible]

Critically evaluate the view that ‘the use of renewable energy resources is the best way to meet the electricity needs of New Zealand in the future’. (*Critically evaluate* requires you to weigh up evidence, assess validity and make informed judgements.)
(*Include reference to, and discussion of, geographic ideas and perspectives in the answer and use visuals such as maps, graphs, diagrams and tables to support the answer.*)

[illegible]

Question number

[illegible]

Question number

[illegible]

**Extra paper for continuation of answers if required.
Clearly number the question.**

Assessor's
use only

Question number

[illegible]

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