

# 3

91532



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

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

SUPERVISOR'S USE ONLY

## Level 3 Agricultural and Horticultural Science, 2018

### 91532 Analyse a New Zealand primary production environmental issue

2.00 p.m. Tuesday 27 November 2018  
Credits: Five

Achievement	Achievement with Merit	Achievement with Excellence
Analyse a New Zealand primary production environmental issue.	Critically analyse a New Zealand primary production environmental issue.	Comprehensively analyse a New Zealand primary production environmental issue.

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 task 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 2–8 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

This assessment consists of ONE task, in TWO parts, which requires you to discuss the impact of the production of a specified agricultural or horticultural product on freshwater. Your answer should include the management practices that a producer of the selected product could implement to mitigate any negative impacts on freshwater.

Name of your selected agricultural/horticultural product: \_\_\_\_\_

## RESOURCE A

### **Fixing freshwater issues is an “enormous challenge”**

A report by New Zealand’s top scientist has urged politicians to address



the vision New Zealanders have for their freshwaters,” said Gluckman.



Text source (adapted): <http://www.stuff.co.nz/environment/91418638/Top-scientist-Fixing-freshwater-issues-an-enormous-challenge>.

Image source: <https://pxhere.com/en/photo/1026654>.





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The examination continues on the following page.**

## RESOURCE B

**Farming leaders pledge to make all New Zealand rivers swimmable**

Farming leaders representing 80 per cent of the industry have pledged to

always been right, the group said the vow was “simply the right thing to do”.

Text source (adapted): <https://www.stuff.co.nz/business/farming/96026220/farming-leaders-pledge-to-make-all-nz-rivers-swimmable>.

Image source: <http://www.shersonwillis.com/wp-content/uploads/2017/08/Farming-leaders-have-pledged-to-help-make-New-Zealand%E2%80%99s-rivers-swimmable-for-future-generations.jpg>.

**PART B**

Evaluate at least TWO courses of action that a primary producer of your selected product could implement to minimise negative effects on water quality, and justify which course of action you believe would be the most viable towards the pledge to make all New Zealand rivers swimmable.

In your answer:

- discuss the conflicts or challenges that may currently exist between increasing production and the commitment to make all New Zealand rivers swimmable in the future (*Note: conflicts or challenges could be economic, cultural, social, technological, or environmental*)
- use data and evidence to support your claim.

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