

[Sustainable Wai](#) [1]

Sustainable Wai

Te Mana o te Wai

Exploring Taupō Freshwater Fishery



Welcome to the ***Sustainable Wai*** field trip for Term 4. This trip is supported by the [Ministry of Education/Te Tāhuhu o te Mātauranga](#) [2] and [Taupō for Tomorrow](#) [3]. The field trip is from 30 October to 1 November 2018. [Enrol now](#) [4].

Introduction

Water quality has been in the news recently, or rather the decline in quality of our rivers and streams. Clean, fresh water is essential to life. On this trip you will see how quality freshwater drives a significant part of the Lake Taupō local economy. We'll take you whitewater rafting and fly-fishing to find out!

Fresh water is highly valued by the local community here, and these values are reflected in the district plan which specifies how water and land are used. During this trip you'll discover how the needs of industry that rely on the river are balanced with the needs of ecology. You will see how DOC works with the local hydro-electricity industry to ensure pristine freshwater environments are not adversely affected. You will also join scientists and rangers as they go about their daily work, measuring and recording water quality.

This trip fits really well with big ideas like sustainability, water, communities, food webs, environments, bugs, land use, rivers and lakes, recreation and special places.

[sustainable-wai-introduction.mp4](#) [5] from [LEARNZ](#) [6] on [Vimeo](#) [7].

Sustainable Wai

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- [Meet Andrew](#) [8] - LEARNZ field trip teacher



[9]

Location

You are travelling to Tūrangi 'trout fishing capital of the world', in the central North Island, on the southern shores of Lake Taupō. Here are some of the country's most pristine freshwater environments. You will explore the Tongariro National Trout Centre near Tūrangi which plays an important role in raising awareness of the importance of freshwater conservation and the need to create a sustainable fishery resource. The Centre has a freshwater aquarium, where you will see native fish and crustaceans, together with trout and pest fish.

The Tongariro River flows off Mt Ruapehu past the Centre and into Lake Taupō. It is New Zealand's most fished river and is regarded as one of the best trout fishing rivers in the world.

Field Trip Plan

- **Planning Sequence:** an example of how primary schools can make use of all field trip components for a 3-day virtual field trip - [Word](#) [10] (2.7Mb) | [PDF](#) [11] (178k) | [Google Doc](#) [12].

Monday 29 October



Travel day: Join Andrew and the ambassadors as they travel from Kerikeri to Tūrangi. During the journey, Andrew takes the chance to photograph and talk about some of the interesting features of the trip.

- [Read today's travel diary](#) [13] about the journey from Kerikeri to Tūrangi.
- [Check Egbert's update](#) [14] from today's travel day.

Tuesday 30 October

Day 1: The Secret Life of Wai.



- [Read today's diary](#) [15] about white-water rafting and who spotting on the Tongariro River. You also discover some of the little critters you may not have known were living in a stream or river near you.
- [Watch the videos](#) [16] for Tuesday.
- [Check Egbert's page](#) [14] for his latest update.
- [Today's web conference](#) [17] is now available as a recording. [15]

Wednesday 31 October



Day 2: Taupō Fisheries.

- [18][Read today's diary](#) [18] about some of the monitoring DOC fishery scientists do for the trout fishery.
- [Watch the videos](#) [16] for Wednesday.
- [Check Egbert's page](#) [14] for his latest update.
- [Today's web conference](#) [17] is now available as a recording. [15]

Thursday 1 November



Day 3: Striking the Balance.

- [19][Read today's diary](#) [19] about the final day of the field trip.
- [Watch the videos](#) [16] for Thursday.
- [Check Egbert's page](#) [14] for his final update.
- [Today's web conference](#) [17] is now available as a recording. [15]

What's New

4 October 2018

The LEARNZ Team think that joining the [NZASE](#) [20] and staying connected through the [NZ Science Teacher](#) [21] will

3 December 2018

help you become a better teacher of science.

Newsletter #5 has been sent



[2]



[3]

Source URL: <http://www.learnz.org.nz/freshwaterecology184>

Links

[1] <http://www.learnz.org.nz/freshwaterecology184>

[2] <http://www.education.govt.nz/>

[3] <https://www.taupofortomorrow.co.nz/>

[4] <http://www.mylearnz.org.nz/account/enrol>

[5] <https://vimeo.com/294699705>

[6] <https://vimeo.com/learnz>

[7] <https://vimeo.com>

[8] <http://www.learnz.org.nz/freshwaterecology184/andrew-learnz-field-trip-teacher>

[9] <http://www.learnz.org.nz/redvale181/andrew-learnz-field-trip-teacher>

[10]

http://www.learnz.org.nz/sites/learnz.org.nz/files/andrews-planning-sequence_1.doc

[11]

http://www.learnz.org.nz/sites/learnz.org.nz/files/andrews-planning-sequence_1.pdf

[12] https://docs.google.com/document/d/1fj2hWReFEY6yQLHA6svalsNwX39Ed-rsI6o_4ZBr9MI/edithttps://docs.google.com/document/d/1fj2hWReFEY6yQLHA6svalsNwX39Ed-rsI6o_4ZBr9MI/edit?usp=sharing

[13] <http://www.learnz.org.nz/freshwaterecology184/diary-1>

[14]

<http://www.learnz.org.nz/freshwaterecology184/ambassador/ambassador-egbert>

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- [15] <http://www.learnz.org.nz/freshwaterecology184/diary-2>
- [16] <http://www.learnz.org.nz/freshwaterecology184/videos>
- [17] <http://www.learnz.org.nz/freshwaterecology184/webconferences>
- [18] <http://www.learnz.org.nz/freshwaterecology184/diary-3>
- [19] <http://www.learnz.org.nz/freshwaterecology184/diary-4>
- [20] <https://nzase.org.nz/>
- [21] <http://nzscienceteacher.co.nz/>