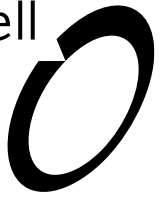


Boffa Miskell



# Operational Spray Plan

Kawarau River Aquatic Weed Management  
Prepared for Land Information New Zealand

4 April 2025



# Contents

1.0	Discharge Permit	2
2.0	Pre-Spray Monitoring and Proposed Control Sites	2
3.0	Herbicide Application	2
4.0	Notifications	3
4.1	Newspaper advertisements	3
4.2	Radio advertisements	3
4.3	Comprehensive stakeholder email list	3
5.0	Signage	3
6.0	Water Takes	4
7.0	Proposed Spray Areas	5

## 1.0 Discharge Permit

Land Information New Zealand holds a Discharge Permit (No. RM14.111.01), issued by the Otago Regional Council, for the discharge of diquat herbicide and Intracid Rhodamine WT liquid tracer dye throughout waterbodies in Otago for the purpose of aquatic plant pest control. The Discharge Permit expires on 20 May 2049.

## 2.0 Pre-Spray Monitoring and Proposed Control Sites

Surface-based aquatic weed delimitation survey was carried out on Monday 24 March 2025. The following sites were surveyed and were deemed fit for spraying:

- Upper Kawarau River to Shotover River confluence

## 3.0 Herbicide Application

Boat-based aquatic weed spraying is scheduled to take place over **one day** between **Wednesday 26 March 2025** and **Thursday 17 April 2025**, as weather, weed, and water conditions permit.

Treatment will not take place during weekends or on public holidays.

As a precautionary measure only, Land Information New Zealand advises users not to take water from Kawarau River to consume or for irrigation purposes from the vicinity of the treatment area until 24 hours after treatment has been completed.

Notices will be placed at [www.linz.govt.nz](http://www.linz.govt.nz) 24 hours prior to the planned spray dates. Warning signs will be placed at authorised public boat ramps prior to and during treatment and will be removed 24 hours after treatment. Changeable weather conditions may result in delays to weed spraying.

Please scan the QR code below to access the most up-to-date information on control timings.





The Hazard classification for diquat is 6.1C, 6.3A, 6.9A, 8.1A, 9.1A and 9.3C.

For more information on the herbicide diquat, please visit:

<https://niwa.co.nz/freshwater/diquat-use-submerged-weeds>

Reglone Diquat Herbicide Label:

<https://syngenta.my.salesforce.com/sfc/p/#24000000Yk1o/a/1o0000005A43/yCjCCVLyKhxx9ee7wmLCZxrNhS2Xtb7IJ9QtHsZtUDQ>

## 4.0 Notifications

### 4.1 Newspaper advertisements

Advertisements were placed in the **Otago Daily Times** on the following dates:

- Wednesday 19 March 2025
- Monday 24 March 2025

### 4.2 Radio advertisements

Three 30-second adverts were aired on Monday 24 March 2025 on radio stations within the Queenstown area advising listeners of the proposed herbicide treatment.

### 4.3 Comprehensive stakeholder email list

Emails are sent to the comprehensive stakeholder list at least one week in advance of proposed spray dates, the day before spraying, on the day(s) of spraying and at the conclusion of each day of spraying. Please email [biosecurity@boffamiskell.co.nz](mailto:biosecurity@boffamiskell.co.nz) if you would like to be added to the mailing list.

## 5.0 Signage

Warning signage is erected at each spray site prior to application and is removed once the 24-hour stand down period for swimming, fishing and taking water has elapsed (Figure 1).



Figure 1. An example warning sign that will be erected at each spray site.

## 6.0 Water Takes

Identification of consented water takes is undertaken using the Otago Regional Council's surface water take information data set (Figure 2). There is one consented water take proximate to the planned spraying within Kawarau River:

- RM16.213.01, Central Otago District, Surface Water Take Permit, to take and use surface water from Kawarau River for the purpose of irrigation, communal domestic supply, and wine processing.

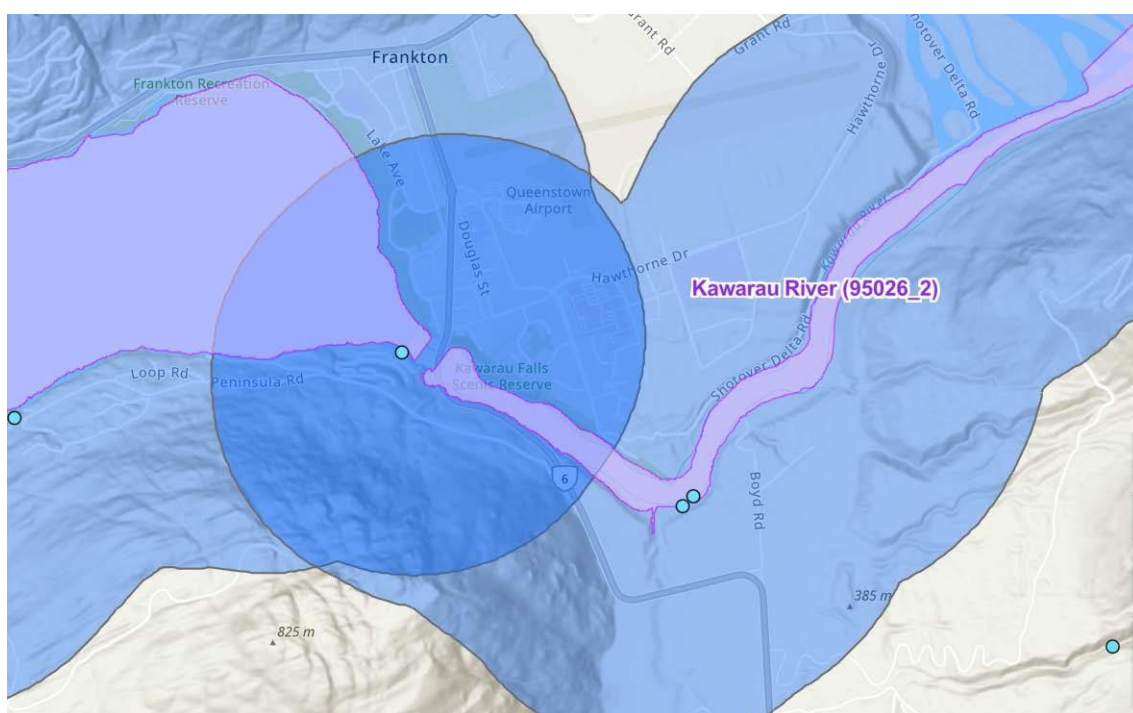
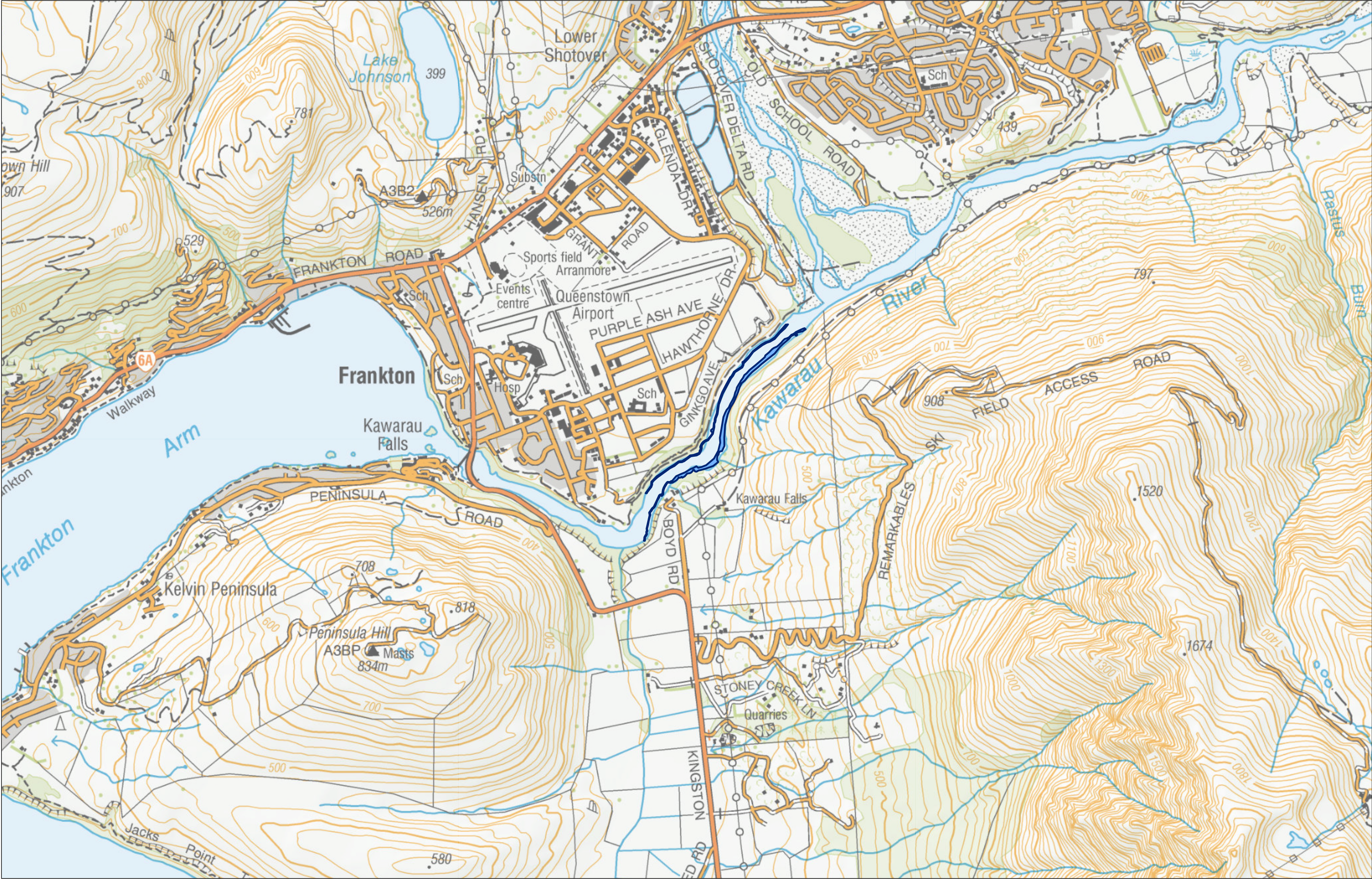


Figure 2. Consented water takes (point data).

## 7.0 Proposed Spray Areas



Approximately 8 hectares of boat-based spraying is proposed for Kawarau River in April 2025. A map of the proposed herbicide treatment areas is shown below.





DRAFT

LEGEND

-  Boat Herbicide
-  LINZ site