Boffa Miskell Operational Spray Plan

Kawarau River Aquatic Weed Management Prepared for Land Information New Zealand

5 May 2023

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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 and Dates

Surface-based aquatic weed delimitation survey was carried out on Wednesday 19th April 2023. The following sites were surveyed and were deemed fit for spraying:

- Kawarau Falls Bridge to the Shotover River confluence

3.0 Herbicide Application

Boat based aquatic weed spraying is scheduled to begin from **Monday 1st May 2023 and may continue intermittently to Wednesday 31st May 2023**, 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 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.

Diquat factsheet prepared by NIWA.

https://niwa.co.nz/sites/niwa.co.nz/files/Diquat%20FAQ%20Download.pdf

Reglone Diquat Herbicide Label.

https://syngenta.my.salesforce.com/sfc/p/#24000000Yk1o/a/1o0000005A43/yCjCCVLyKhxx9ee 7wmLCZxrNhS2Xtb7IJ9QtHsZtUDQ

4.0 Notifications

4.1 Newspaper advertisements

The Otago Daily Times

Publication Dates:

- Monday 24th April 2023
- Monday 1st May 2023

4.2 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 spraying. Please email **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 24hour stand down period for swimming, fishing and taking water has elapsed.



Figure 2. 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.

• 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.

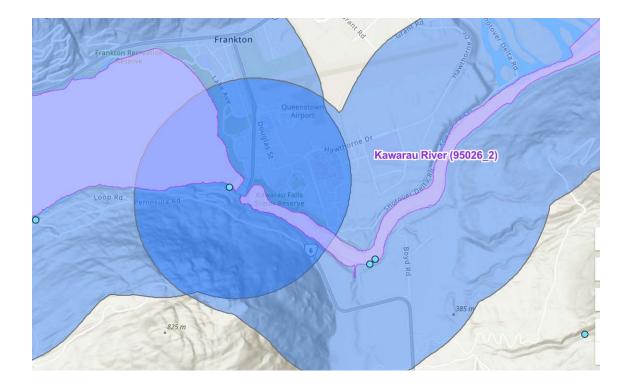


Figure 1. Consented water takes (point data)

7.0 Proposed Spray Areas

Figure 3. Proposed herbicide treatment areas

