

# Operational Spray Plan

Lake Dunstan Aquatic Weed Management Prepared for Land Information New Zealand

31 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 Tuesday 6<sup>th</sup> June 2023. The following sites were surveyed and were deemed fit for spraying:

- Bendigo Boat Ramp & Approaches
- Lowburn Boat Harbour

# 3.0 Herbicide Application

Boat based aquatic weed spraying is scheduled to begin from **Monday 29**<sup>th</sup> **May 2023 and may continue intermittently to Friday 30**<sup>th</sup> **June 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 Lake Dunstan 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/100000005A43/yCjCCVLyKhxx9ee 7wmLCZxrNhS2Xtb7IJ9QtHsZtUDQ

### 4.0 Notifications

### 4.1 Newspaper advertisements

#### The Otago Daily Times

**Publication Dates:** 

- Monday 24<sup>th</sup> May 2023
- Monday 29<sup>th</sup> May 2023

#### **Cromwell Bulletin**

**Publication Dates:** 

- Thursday 25<sup>th</sup> May 2023
- Thursday 1st June 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 24-hour stand down period for swimming, fishing and taking water has elapsed.



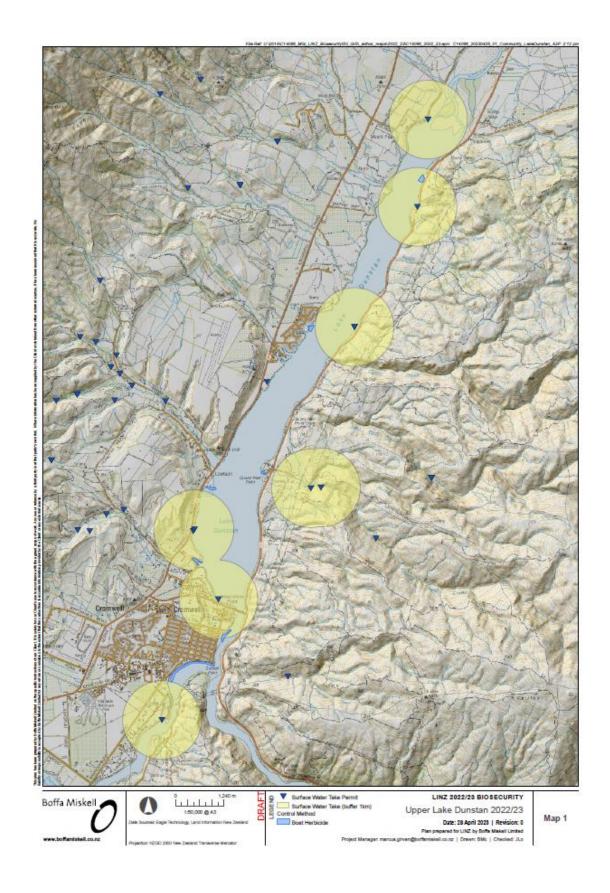
Figure 2. An example warning sign that will be erected at each spray site

### 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 Lake Dunstan for the purpose of irrigation, communal domestic supply, and wine processing.

These water takes have been mapped and are shown below.



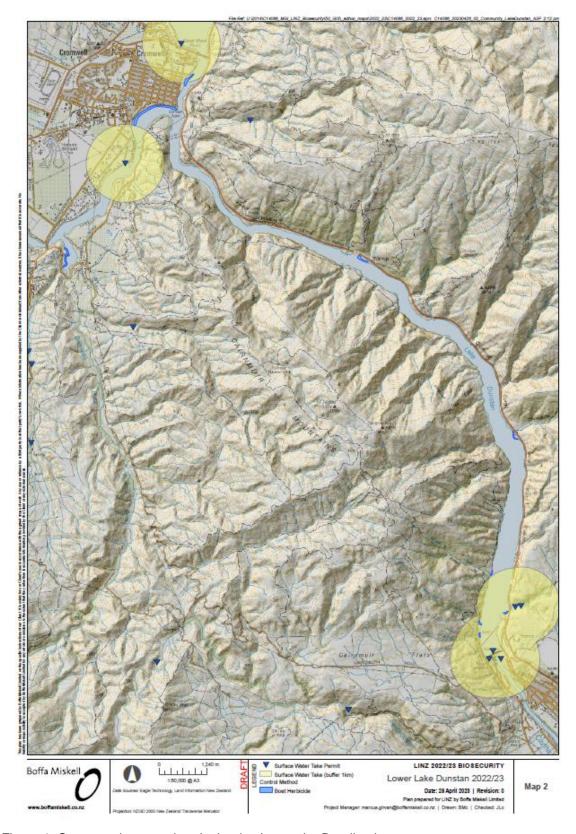


Figure 1. Consented water takes (point data) near the Bendigo boat ramp

# 7.0 Proposed Spray Areas

Figure 3. Proposed herbicide treatment areas



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