

# Operational Plan and Communications Plan for Rotorua Lakes Aquatic Weed Management

## Resource Consents

- 68367-AP (Bay of Plenty Regional Council, Land Information New Zealand)
- RM16-0520-AP (Bay of Plenty Regional Council)

Pre-Spray Monitoring of lakes: 18-22 March

Aquatic Pests Coordination Group Meeting: Wednesday 27 March

Rotorua Lakes Herbicide Control - Autumn 2019									
Location	Site	Herbicide	Target Species	Proposed Treatment Area (Ha)	Application Method	Treatment area as a % of the enclosed bay	Treatment area as a % of the lake	Water Takes Affected?	Proposed Treatment Dates
Lake Rotorua	Kawaha Point	Diquat	CD, ED, LM	15	Boat		0.00188	No	8-18 April 2019
Lake Rotoiti	Gisborne Point	Diquat	CD, ED, LM	1	Boat		0.00029	No	8-18 April 2019
Lake Rotoiti	Teal Bay	Diquat	CD, ED, LM	1	Boat	7.042253521	0.00029	No	8-18 April 2019
Lake Rotoiti	Wairau Bay	Diquat	ED, CD	1	Boat	2.040816327	0.00029	No	8-18 April 2019
Lake Rotoiti	Okawa Bay	Diquat	CD, LM	2.4	Boat	5	0.00070	No	8-18 April 2019
Lake Rotoiti	Te Ruato Bay	Diquat	CD, LM	1	Boat	1.923076923	0.00029	No	8-18 April 2019
Lake Rotoiti	Te Ti Bay	Diquat	CD	1	Boat	9.794319295	0.00029	No	8-18 April 2019
Lake Rotoiti	Hauparu Bay	Diquat	ED, CD	1	Boat	5	0.00029	No	8-18 April 2019
Lake Rotoiti	Te Weta Bay	Diquat	CD, LM	0.7	Boat	5	0.00020	No	8-18 April 2019
Lake Tararua	Otumutu Lagoon (Humphries Bay)	Diquat	CD	2	Boat	9.523809524	0.00049	No	8-18 April 2019
Lake Tararua	Boatshed Bay	Diquat	CD, ED, LM	0.5	Boat	4.081632653	0.00012	No	8-18 April 2019
Lake Tararua	Hot Water Beach	Diquat	CD, ED, LM	2	Boat	0.43956044	0.00049	No	8-18 April 2019
Lake Rotomā	Otumarokura Bay	Endothall	LM	1	Boat	0.434782609	0.00089	No	29 April 2019 - 3 May 2019
Lake Okataina	South-West Corner	Endothall	LM, ED	1	Boat	0.917431193	0.00093	No	29 April 2019 - 3 May 2019
Lake Rotoiti	Okere Inlet	Endothall	CD, ED, LM	1	Boat	2	0.00029	No	29 April 2019 - 3 May 2019
			Total Ha:	29.6					

Key:

CD	Ceratophyllum demersum (hornwort)
ED	Egeria densa
LM	Lagarosiphon major

## Rotorua Lakes Treatment Areas

See appendix one.

## Identification of water takes, areas of native nesting bird roosting or breeding, and sites of significance to tangata whenua (including areas where uses and activities are currently

undertaken) identified in the Cultural Monitoring Plan that may be affected, and details of how these will be managed:

- No water takes affected
- No native nesting bird roosting or breeding sites at this time of year
- Cultural Monitoring Plan not yet complete

Any specific matters or changes as a result of cultural, water quality or ecological monitoring undertaken;

- N/A

See appendix two for communications plan.

# Appendix One

## Control Sites



1. Okawa Bay, Lake Rotoiti (Diquat)





2. Te Ruato Bay, Lake Rotoiti (Diquat)



3. Te ti Bay, Lake Rotoiti (Diquat)



4. Te Weta Bay, Lake Rotoiti (Diquat)



5. Teal Bay, Lake Rotoiti (Diquat)





6. Wairau Bay, Lake Rotoiti (Diquat)



7. Boatshed Bay, Lake Tarawera (Diquat)





8. Humphries Bay, Lake Tarawera (Diquat)



9. Hot Water Beach, Lake Tarawera (Diquat)



10. Gisborne Point, Lake Rotoiti (Diquat)



11. Kawaha Point, Lake Rotorua (Diquat)





12. Hauparu Bay, Lake Rotoiti (Diquat)





13. Okere Inlet, Lake Rotoiti. (Endohall)



14. Otumarokura Bay, Lake Rotomā. (Endohall)



15. Lake Ōkataina, Southern end. (Endothall)



## Appendix Two

# Communications Plan

The purpose of this communications plan is to give effect to both consent RM16-0520 and 68367 for the lake weed spraying of Endothall and Diquat in the Rotorua Lakes.

The following methods will be used in order to comply with the conditions listed above:

### Medical Officer of Health Notification

- An email notification shall be sent to the MOH at least 14 days prior to the application of Endothall only

### Stakeholder Email

- An email shall be issued to key stakeholders 7 days prior to herbicide application and throughout the operation to advise stakeholders:
  - The proposed dates and times for treatment
  - The proposed sites, herbicide to be used, and any withholding periods that may apply for swimming, taking of fish / gathering food, taking water
  - A link to the LINZ website to access up-to-date information
  - A free-phone 0800 number
- For Endothall only, the email shall also advise (at least 5 working days in advance of treatment):
  - Name of the approved handler(s) undertaking the application, maps of the location of the proposed treatment sites shall be included shall be provided to the following parties:
    - a. Every person taking water for domestic supply within one kilometre downstream of the proposed discharge
    - b. Every holder of a resource consent for the taking of water for water supply purposes downstream of the discharge
    - c. Any school located within 250 metres of the channel to which the herbicide is applied
    - d. The relevant local iwi/Runanga representatives
    - e. The relevant district council
    - f. Department of Conservation
    - g. Fish and Game

h. The Medical Officer of Health

### **LINZ Website**

- Maintain the LINZ website up to date with the sites proposed for treatment and their current status including what herbicide has been used, when treatment is proposed to commence, when treatment was completed and when it is safe to take water, gather food and swim at that site.

### **Newspaper Notifications and Radio Announcements**

- Newspaper notifications shall be placed in the Rotorua Daily Post and radio announcements aired on local radio stations 7 days prior to treatment, and on the proposed first day of treatment.

### **Site Signage**

- Erect signage at the following locations 2 days prior to application (see appendix for maps).
  - Taheke Motor Camp, Ōkere Falls
  - Whangamarino Boat Ramp, SH33
  - Otaramarae Boat Ramp
  - Gisborne Point Boat Ramps (x2)
  - Okawa Bay boat ramp
  - Lake Rotorua lake front boat ramp
  - Lake Tarawera, Boatshed bay boat ramp
  - Lake Tarawera, Otumutu Lagoon boat ramp (Humphries Bay)
- Signage is to be specific to the herbicide being applied
- Signage shall be removed once withholding restrictions are removed for each site

### **Social Media**

- Notifications may be placed on social media (Te Arawa Lakes Programme page) with a link to the LINZ website.

### **Letter Drop**

- For endothall only, all households within 1km downstream of the treatment sites are to be communicated with via a letter from the Bay of Plenty Regional Council, which shall include the following information:
  - Name of aquatic herbicide being used
  - Location of herbicide application



- Contact details of BOPRC staff member to speak with if a domestic water take is on their property
- Description of restrictions in place following the application

## Signage Locations

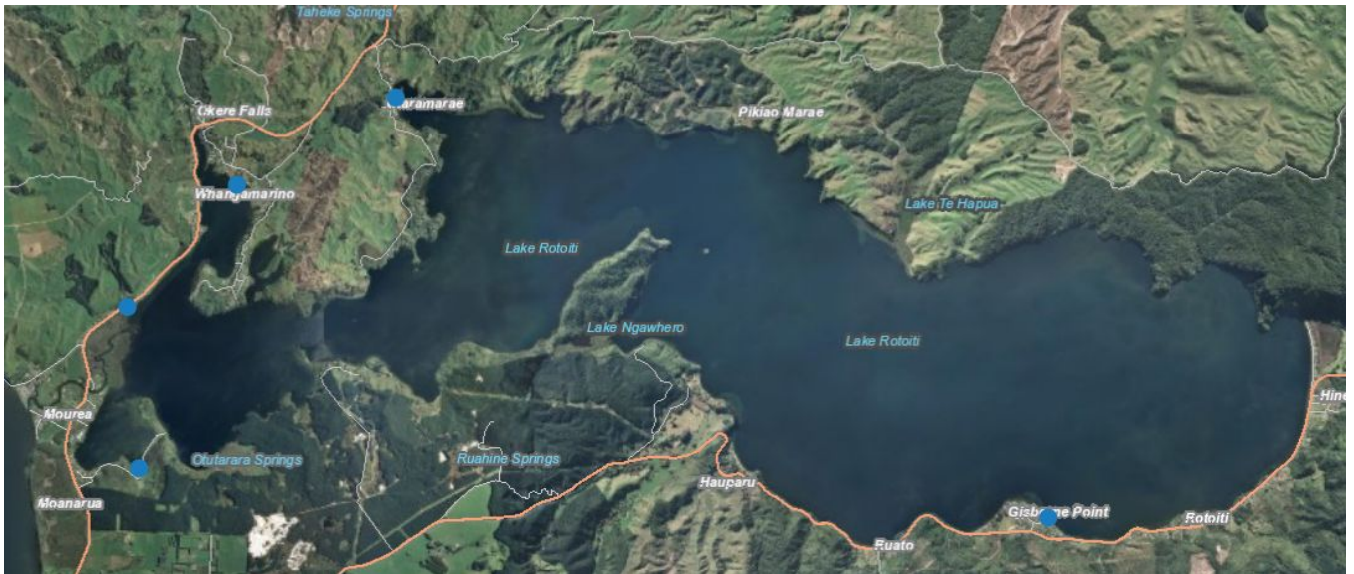


Fig 1. Lake Rotoiti signage locations (blue dots)

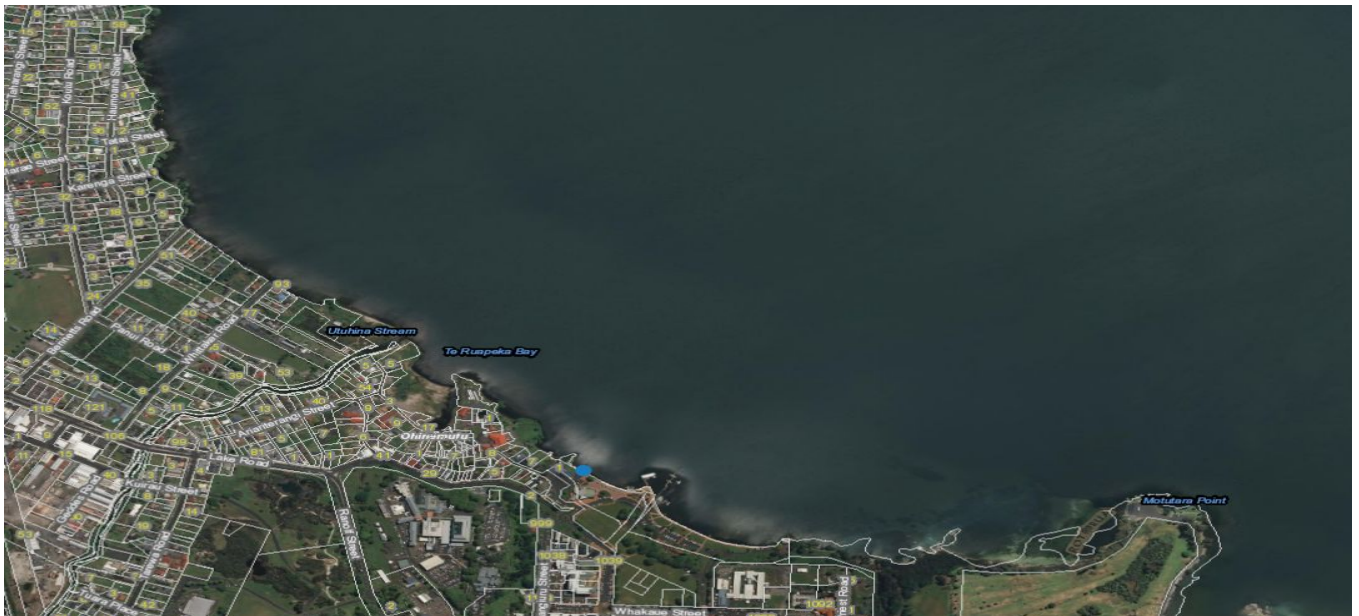


Fig 2. Lake Rotorua signage locations (blue dot)



Fig 3. Lake Tarawera signage locations (blue dots)





Fig 4. Lake Ōkataina signage location (blue dot)



**Fig 5. Lake Rotomā signage location (blue dots)**