

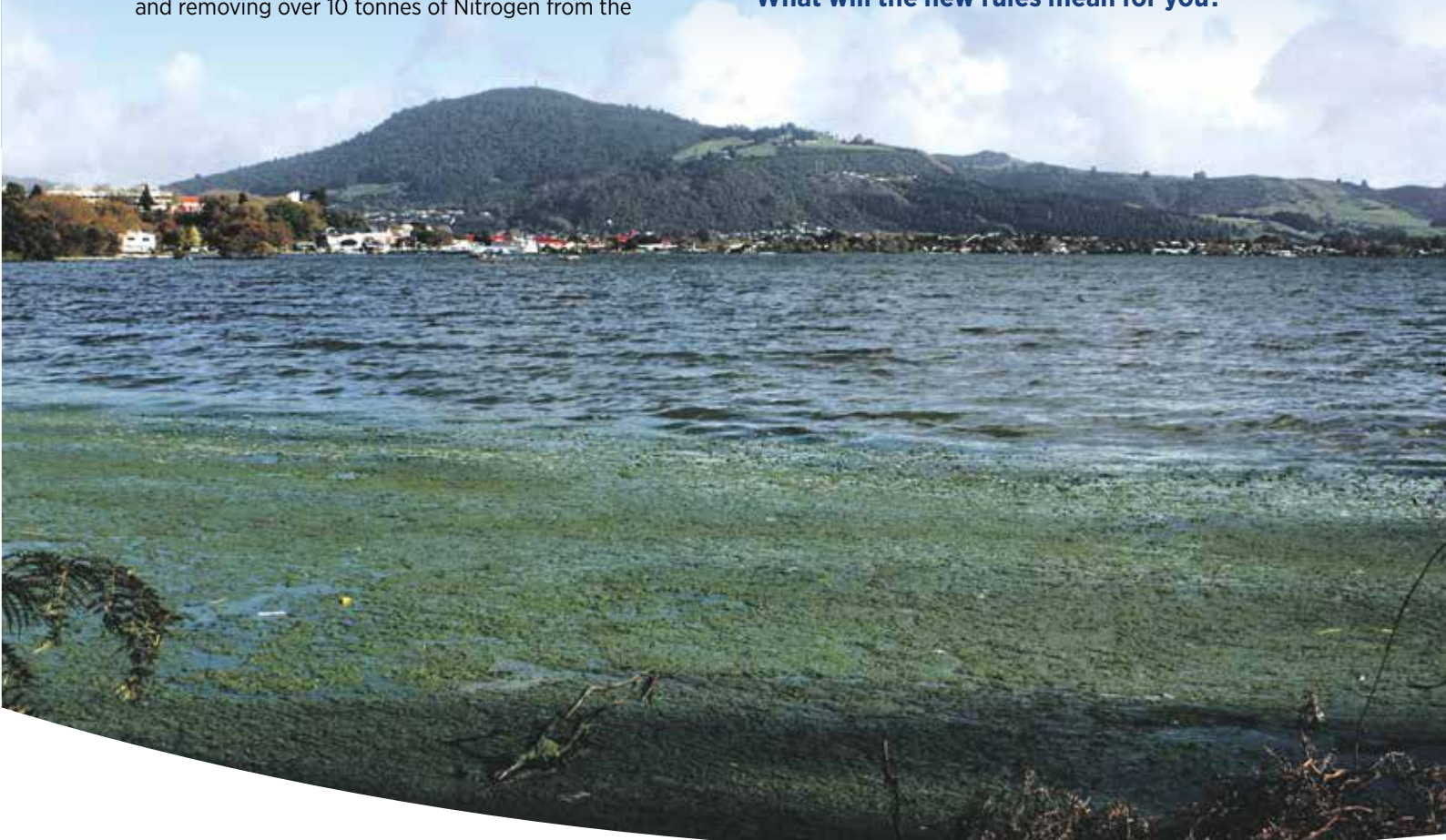
In the story of Lake Rotorua

What will our chapter say?

The story of Lake Rotorua has many chapters. There's the chapter on Gorse Conversion where we aim to stop 30 tonnes of Nitrogen from entering the lake that leaches from gorse, there's the chapter on the world's largest man-made floating wetland at Sulphur Bay to filter nitrogen, there's the chapter of lakeside communities connecting to sewage reticulation and removing over 10 tonnes of Nitrogen from the

catchment, there's the Incentives Programme chapter where the Incentives Board aim to buy 100 tonnes of Nitrogen from landowners by 2022. The rules to reduce nitrogen by changing the way we use the land is just one of the many chapters to enable Lake Rotorua to shine.

What will the new rules mean for you?



#love our lakes
rotorualakes.co.nz



Bay of Plenty Regional Council, Rotorua Lakes Council and Te Arawa Lakes Trust.
Working as one to protect our lakes with funding assistance from the Ministry for the Environment.

Guide to what the rules might look like

This is a guide for landowners in the Lake Rotorua groundwater catchment (see map on back page for boundary) to find out how the new rules **MIGHT** affect them. **The rules are still under review and changes may occur.**

If you have any queries please do not hesitate to call a Land Management Officer on 0800 884 880 or email info@rotorualakes.co.nz

KEY

NDA = Nitrogen Discharge Allowance (This is the maximum amount of nitrogen loss that is allowed to occur from a property after 2032)

NMP = Nitrogen Management Plan (an NMP will show a pathway that demonstrates managed reduction to achieve the 2032 NDA and targets along the way)

✘ = Not required

✔ = Is required

Permitted = Your land use activity is permitted and you do not require resource consent

Controlled = Your land use activity is controlled and you will require resource consent

Effective Area = The part of the property that is actively grazed and cultivated

Source of nitrogen loss	What is required from 1 July 2017 to 30 June 2022	What is required from 1 July 2022																
Bush/Scrub and Plantation Forestry	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✘</td> <td>✘</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✘	✘	✘	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✘</td> <td>✘</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✘	✘	✘
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Properties with less than 10 ha of effective area and that are low intensity Low intensity land use means meeting the stocking rate tables and not having commercial cropping or horticulture	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✘</td> <td>✘</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✘	✘	✘	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✘</td> <td>✘</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✘	✘	✘
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Properties between 10 hectares and 40 hectare of effective area	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✘</td> <td>✔</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✘	✔	✘	Controlled <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✔</td> <td>✔</td> <td>✔</td> <td>✔</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✔	✔	✔	✔
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Low Nitrogen intensity properties Regardless of property size that can demonstrate low Nitrogen loss	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✔</td> <td>✔</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✔	✔	✘	Permitted <table border="1"> <thead> <tr> <th>NDA</th> <th>Overseer / nitrogen budget</th> <th>Information reporting</th> <th>NMP</th> </tr> </thead> <tbody> <tr> <td>✘</td> <td>✔</td> <td>✔</td> <td>✘</td> </tr> </tbody> </table>	NDA	Overseer / nitrogen budget	Information reporting	NMP	✘	✔	✔	✘
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Any property that does not meet permitted or controlled requirements is a non-complying activity

DRAFT Permitted Activity Stocking Rates

This table shows how much stock can be on a property before a landowner will need to apply for a resource consent.

Please note that the stocking rates below are still under review and changes may occur. Once the rules are adopted a final version will be made available. Please use this draft version as a guide only.

Stock class	Animal/ha	Ha/animal
Pony	2.1	0.48
Pony broodmare w/ foal	1.6	0.64
Small hack	1.6	0.64
Small hack broodmare w/ foal	1.2	0.80
Large hack	1.0	0.96
Thoroughbred	1.0	0.96
Large hack broodmare w/ foal	0.9	1.12
Dairy bull	1.5	0.66
Dairy cow	0.9	1.15
Dairy heifer 1-2 years age	1.6	0.65
Dairy heifer calf (weaned)	3.5	0.29
Beef bull	1.5	0.68
Beef cow	1.3	0.79
Bull 1-2 years age	1.5	0.65
Steer 1-2 years age	1.8	0.56
Heifer 1-2 years age	1.7	0.58
Steer calf <1 year (weaned)	3.8	0.26
Bull calf < 1 year (weaned)	3.5	0.29
Heifer calf <1 year (weaned)	3.0	0.33
Ram	15.5	0.06
Adult ewe	15.0	0.07
Sheep 1-2 years age	14.2	0.07
Sheep <1 years of age (weaned)	25.9	0.04
Bucks & does < 1 year	24.9	0.04
Angora does	11.3	0.09
Feral does	13.8	0.07
Feral bucks & wethers	24.9	0.04
Stag	4.9	0.21
Breeding hind	5.0	0.20
Hind 1-2 year	9.9	0.10
Hind fawn (weaned)	15.0	0.07
Stag 1-2 years age	4.2	0.24
Stag fawn (weaned)	15.2	0.07
Alpaca	15.4	0.06
Llama	7.7	0.13

For animals not listed here specific calculations can be done using a standard method.

DRAFT Resource consent provisions

Nitrogen loss from land use will require a resource consent unless the activity is permitted under the rules.

All properties that need a consent will receive a Nitrogen Discharge Allowance. (This is the maximum amount of nitrogen loss that is allowed to occur from a property after 2032).

The NDA for each property will be calculated based on benchmarking information. OVERSEER® 6.2.0 will be used as the basis for allocation. NDAs are based on two sectors: Dairy and Drystock.

Controlled Activities

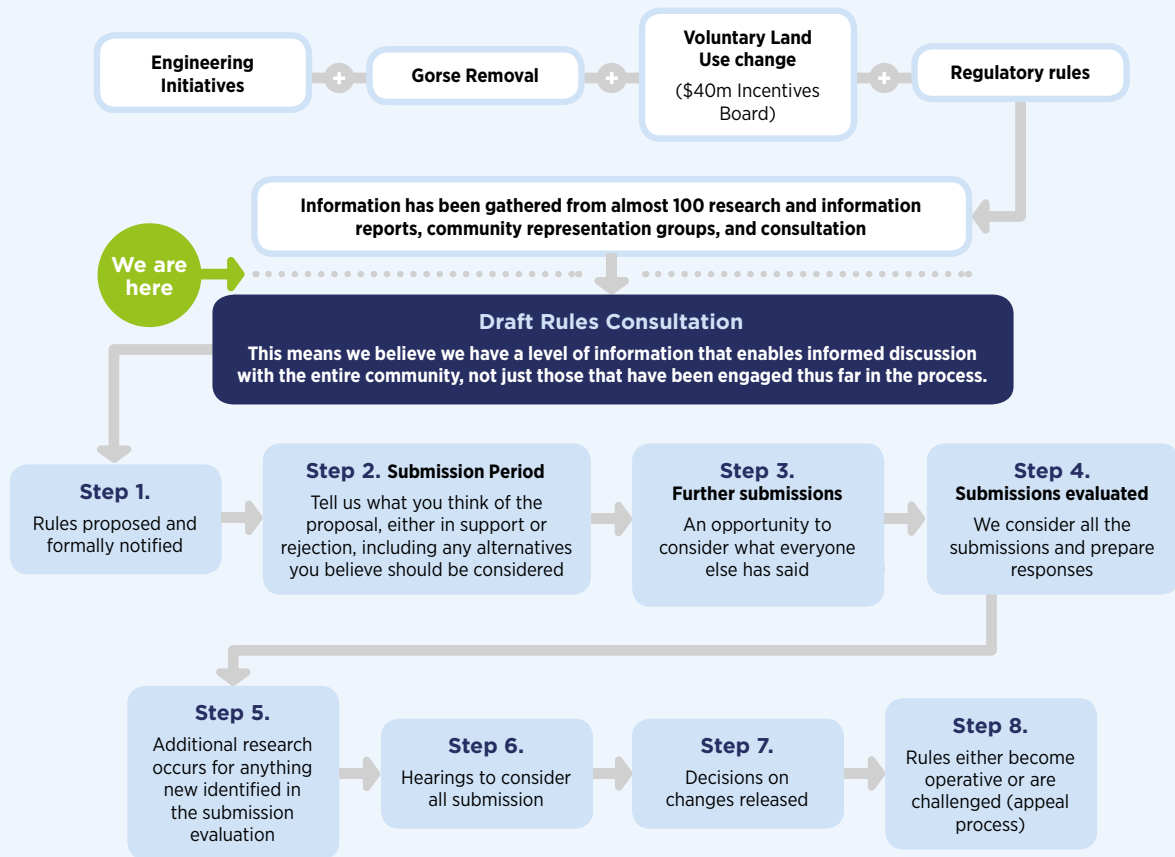
Controlled activity consents must be granted if the relevant conditions are met. The resource consent requirements for the Lake Rotorua groundwater catchment are staged:

- From 1 July 2017, nitrogen loss from properties over 40 hectares in effective area.
- From 1 July 2022, nitrogen loss from properties between 10 and 40 hectares in effective area
- From 1 July 2022, nitrogen loss from properties less than 10 hectares in area that do not meet the definition of low intensity land use.
- From 1 July 2022, properties in the Lake Rotorua groundwater catchment not previously managed by Rules 11 and greater than 10 hectares.

All controlled activity applications must submit a Nitrogen Management Plan showing a pathway that demonstrates managed reduction to achieve the 2032 Nitrogen Discharge Allowance (and targets along the way). This must include a schedule of mitigation actions to reduce nitrogen loss. Under certain circumstances the Nitrogen Management Plan may need to be reviewed.

The Process we are following to enable Lake Rotorua to shine

Specific dates for the next steps in this process are yet to be determined.



DRAFT Rotorua Groundwater Boundary



For more information

Bay of Plenty Regional Council
1125 Arawa Street, Rotorua

Visit www.rotorualakes.co.nz
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