

Scheduled herbicide control operations

Below is a list of scheduled spraying operations. This list will be updated regularly so please check this page for updates. Click here for past spraying operations.

Date	Location	Control type	Herbicide	Map number/s	Target pest plants
9 - 30 July 2019	Waikato River Delta	Helicopter	Metsulfuron	1, 3	Alligator weed
9 - 3 <mark>0 July</mark> 2019	Waikato River from Rangiriri downriver to the Elbow	Gun & Hose, Mistblower	Metsulfuron	3, 4, 5A, 5B, 9	Alligator weed



HAZARD CLASSIFICATIONS

Classifications 6.3B, 6.4A, 9.1A, 9.2A





APPROVED HANDLER - This product must be under the care of an approved handler when it is applied in a wide dispersive manner, used by a commercial contractor or applied into or onto water.

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details

TOXICITY

Warning -

May cause eye irritation and mild skin irritation.

Avoid contact with eyes and skin.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. This substance may only be applied onto or into water by, or under the direct supervision of, an approved handler who has undergone specialised training in the application of pesticides to water and if permission has been obtained under section 95A of the Hazardous Substances and New organisms Act 1996.

Very toxic to the soil environment.

HANDLING PRECAUTIONS

Keep out of reach of children.



1	-	.1	-	-	
2	14 - 18 April 2019	Waikato River - Port Waikato to Mercer	Helicopter	Metsulfuron	Alligator Weed
3	10 - 30 June 2019	Waikato River - Port Waikato to Mercer	Helicopter	Metsulfuron	Alligator weed
4	10 - 30 June 2019	Waikato River - Port Waikato to Ngaruawahia	Gun and hose from boat	Metsufuron	Alligator weed
5	26 Feb - 17 Mar 2019	Waikato River - Port Waikato to Ngaruawahia	Gun & Hose, Mistblower	Metsulfuron	Alligator weed
6	12 Feb - 04 Mar 2019	Waikato River Delta	Helicopter	Haloxyfop	Pampas, Glyceria
7	03 - 23 January 2019	Waikato River, Hampton Downs to Port Waikato	Gun and Hose, Mistblower	Metsulfuron	Alligator Weed
8	12 Feb - 04 Mar 2019	Waikato River, Mercer to Waikato Delta	Helicopter	Metsulfuron	Alligator Weed
9	14 Jan - 03 Feb 2019	Waikato River, Port to Hampton Downs	Gun & Hose, Mistblower	Metsulfuron	Alligator Weed
10	18 Mar - 08 Apr 2019	Waikato River, Port Waikato to Ngaruawahia	Gun & Hose, Mistblower	Metsulfuron	Alligator weed
11	04 - 25 February 2019	Waikato River, Port Waikato to Ngaruawahia	Gun & Hose, Mistblower	Metsulfuron	Alligator Weed
12	26 November - 14 December	Waikato River Tuakau Bridge to Ngaruawahia	Gun & Hose/Mistblower	Metsulfuron	Alligator weed
13	26 November - 14 December	Waikato River Tuakau Bridge to Delta	Gun & Hose/Mistblower	Metsulfuron	Alligator weed
14	26 - 30 November 2018	Waikato River - Narrows	Mistblower	Metsulfuron	Alligator weed
15	11 - 18 November 2018	Waikato River - Whangape Stream/Rangiriri area	Helicopter	Metsulfuron	Alligator weed
16	16 October - 5 November 20	Waikato River - Port Waikato to Tuakau Bridge	Gun & hose	Metsulfuron	Alligator weed
17	15 October - 5 November 20	Waikato River - Tuakau Bridge to Hampton Downs, Whar	Helicopter - Boom spray	Metsulfuron	Alligator weed
18	8 October - 29 October 2018	Waikato River - Narrows to Hamilton	Gun & hose or mist-blower	Metsulfuron	Alligator weed
19	17 September - 29 October	Waikato River, Port Waikato to Ngaruawahia	Gun & hose and Mist Blower	Metsulfuron	Alligator weed
20	28 August - 17 September	Waikato River, Port Waikato to Ngaruawahia	Gun & hose and Mist Blower	Metsulfuron	Alligator weed
21	2 August - 23 August	Waikato River from Tuakau Bridge to Port Waikato	Gun & hose	Metsulfuron	Alligator weed
22	9 July - 30 July 2018	Waikato River from Tuakau Bridge to Port Waikato	Gun & hose	Metsulfuron	Alligator weed
23	5 June - 26 June 2018	Waikato River delta area	Gun & hose	Metsulfuron	Alligator weed
24	9 - 20 April 2018	Waikato River delta area	Helicopter	Metsulfuron	Alligator weed
25	22 March - 13 April 2018	Waikato River downstream from Narrows	Gun & hose	Metsulfuron	Alligator weed
26	19 March - 9 April 2018	Waikato River from Meremere to Tuakau, Lake Waikare,	Helicopter	Metsulfuron	Alligator weed
27	9 - 30 March 2018	Waikato River from Ngaruawahia to Waikato delta, Lake '	Gun & hose	Metsulfuron	Alligator weed
28	5 - 26 February 2018	Waikato River from Ngaruawahia to Waikato delta, Lake '	Gun & hose	Metsulfuron	Alligator weed
29	7-27 January 2018	Waikato River from Port Waikato to Tuakau bridge	Helicopter and gun and hose spraying	metsulfuron	Alligator weed
30	5-25 January 2018	Waikato River from Ngaruawahia to Tuakua Bridge, plus	Gun and hose spraying from boat	metsulfuron	Alligator weed
31	12 - 22 December 2017	Waikato River - Port Waikato to Tuakau bridge	Gun & hose	metsulfuron	Alligator weed
32	5 - 22 December 2017	Waikato River Narrows to Hamilton	Mistblower	metsulfuron	Alligator weed
33	27-Nov-17	Waikato River, Ngaawapura Rapids to Waiotapu Stream	Knapsack	metsulfuron	Yellow flag iris
34		Waikato River – Narrows to Hamilton	Knapsack	metsulfuron	Alligator weed
35	26 October to 15 November	Waikato River from Ngaruawahia to Waikato delta	Gun and hose from boat	metsulfuron	Alligator weed
	4 - 18 October 2017	Waikato River between Narrows and Hamilton	Knapsack	metsulfuron	Alligator weed
37	18 September to 9 October 2	Waikato River from Ngaruawahia to Waikato delta	Gun and hose from boat	metsulfuron	Alligator weed
38	9 – 30 August 2017	Waikato River from Horotiu Bridge to Waikato delta includ	Helicopter and gun & hose from boat	metsulfuron	Alligator weed
39	9 – 30 August 2017	Waikato River from Narrows to Hamilton City boundary	Gun & hose from boat	metsulfuron	Alligator weed
40	19 July to 8 August 2017	Waikato River from Horotiu Bridge to Waikato delta includ	Helicopter and gun & hose from boat	metsulfuron	Alligator weed
	6 - 30 June 2017	Waikato River from Tuakau to Horotiu Bridge, including La	Helicopter and gun and hose	metsulfuron	Alligator weed
	18 April – 5 May 2017	Waikato River from Port Waikato to Ngaruawahia, includi	Helicopter and gun and hose	metsulfuron	Alligator weed
	17 March - 6 April 2017	Waikato River from Port Waikato to Tuakau Bridge	Helicopter and airboat	metsulfuron	Alligator weed
		Waikato River from Port Waikato to Ngaruawahia	Helicopter or gun and hose	metsulfuron	Alligator weed
45	17 January - 6 February 201	Waikato River from Port Waikato to Huntly, and Lake Wha	Helicopter and gun and hose spraying	metsulfuron	Alligator weed
		Waikato River from Port Waikato to Huntly, and Lake Wha		metsulfuron	Alligator weed
		Waikato River fromHuntly to Waikato Delta, Lake Whang		metsulfuron	Alligator weed
48	22 November - 13 December	Waikato River from Port Waikato to Tuakau Bridge,	Gun and hose from boat	metsulfuron	Alligator weed
49		Waikato River from Whangape Stream to Ngaruawahia			
		Waikato River from Port Waikato to Tuakau Bridge	Gun and hose from boat	metsulfuron	Alligator weed
51	1 - 15 October 2016	Waikato River from Port Waikato to Tuakau Bridge	Gun and hose from boat	metsulfuron	Alligator weed
52	14 - 30 September 2016	Waikato River from Ngaruawahia to Tauranganui,	Gun and hose from boat	metsulfuron	Alligator weed
53					





MENU CONTACT US CAREERS A-Z

COUNCIL

COMMUNITY

SERVICES

ENVIRONMENT

ECONOMY

TOHA

Search Waikato Regional Council

Services » Regional Services » Plant and animal pests » Plant pest spraying operations

Data Catalogue

Maps

Publications

Regional Services

Consents and compliance

Environmental education

Regional hazards and emergency management

Investigation and enforcement

IWI

Maritime services

Pest plant control over water

Operations under Resource Consent 124871

Every year Walkato Regional Council carries out targeted spray operations to control invasive pest plants growing in our rivers, lakes and wetlands.

This work is important to protect the environment – and in particular agricultural production – from the impacts of these pest plants, as well as to improve biodiversity.

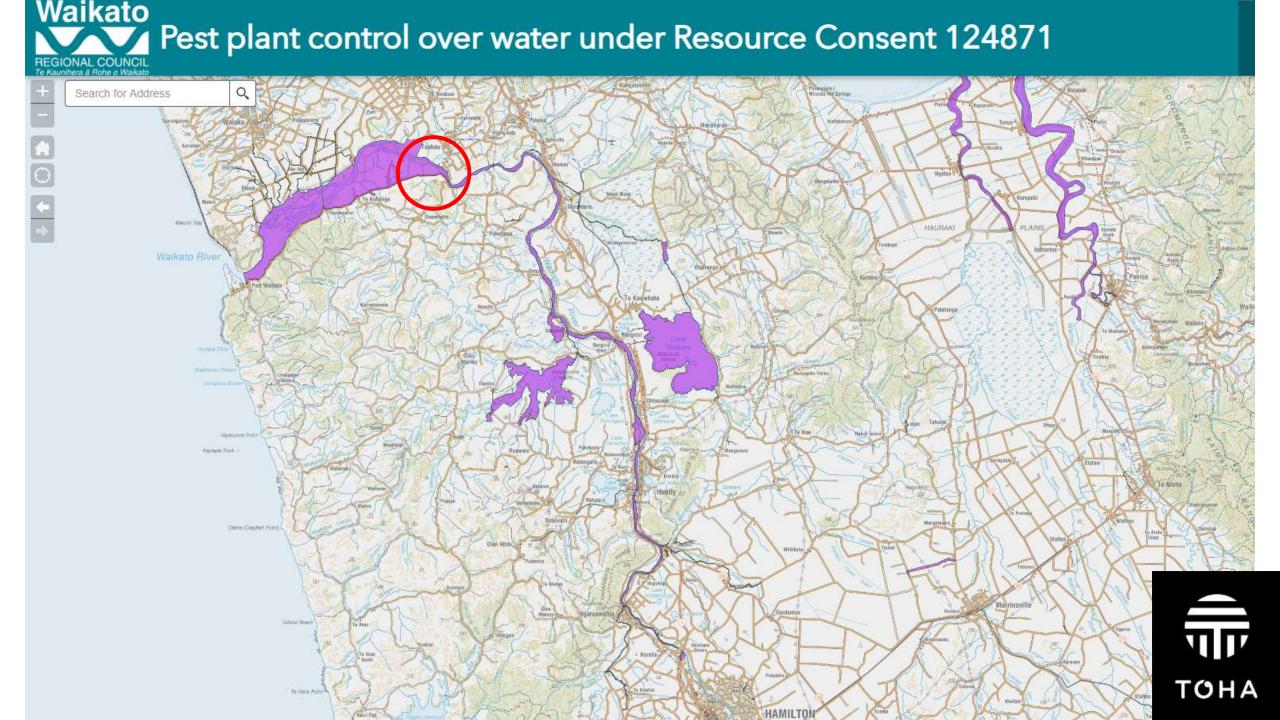
Council holds a resource consent for the application of agrichemicals to air where they may enter water and the coastal marine area within the Waikato region.

This consent allows the use of specific herbicides for controlling pest plants that cannot generally be controlled with glyphosate.

Resource consent details

Consent no: 124871

















Principles of Soil Health developed by Nature



- 1. Limited disturbance of soil
- 2. Armour keep soil covered at all times
- 3. Diversity of plant and animal species
- 4. Living roots maintain as long as possible
- 5. Integrated animals nature does not function without animals

Dirt to Soil – Gabe Brown





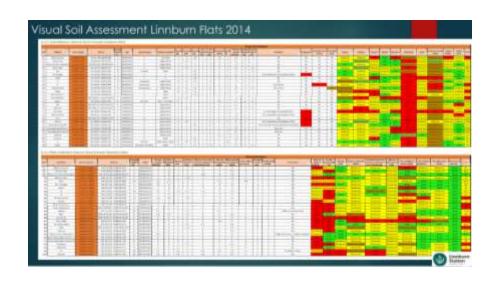
Туре	Seed Type	Hildas Rye Mix	
Clover	Balansa Clover	0.19	
Clover	Persian Clover	0.17	
Clover	Berseem Clover	0.38	
Clover	Strawberry Clover	2.00	
Lucerne	Wholesale Seed Lucerne	0.33	
Chichory	Antler Chichory	0.25	
Plantain	Seed Force Boston Plantain	0.25	
Clover	Crimson Clover	0.51	
Oats	Black Oats	4.55	
Peas	Blue Prussian Peas	2.22	
Lentils	Red Lentils	0.38	
Mustard	Yellow Mustard	0.66	
Millet	Japanese Millet	0.58	
Ryecorn	Ryecorn	3.07	
Buckwheat	Buckwheat	1.70	
Grass	Sheeps Burnett	0.45	
Lupins	Blue Lupins	0.38	
Grass	Pharcelia	0.45	
Beet	Fodder Beet	0.06	
Rape	Hunter Rape	0.10	
Sunflower	Sunflower	2.50	
Turnip	Green Globe Turnip	0.06	
Barley	Barley	3.84	
Mix	Swede Kale Mix	0.20	
Oats	White Oats	2.73	
Radish	Lunch Radish	0.26	
Clover	White Clover	0.05	
D, I	Dandelions	0.02	
Clover	Red Clover	0.05	
Grass	Sorghum Sudan	2.25	
Grass	Moata Ryegrass	0.51	
	Linseed	1.62	
fi i	Total Kg/ Ha	32.75	
	Number of Species	32	

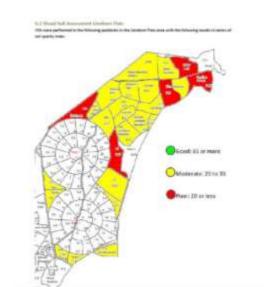




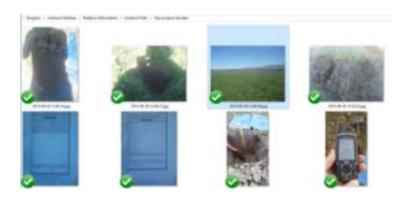




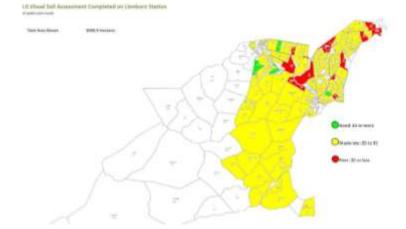






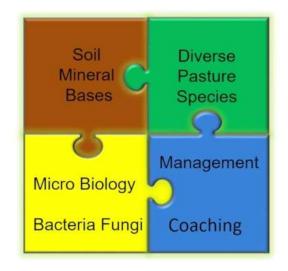








Soil Connection biological system



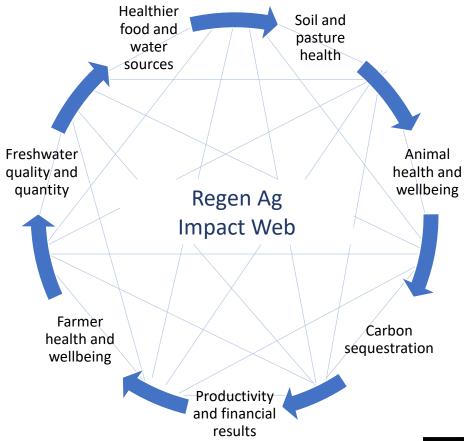
https://www.soilconnection.net/



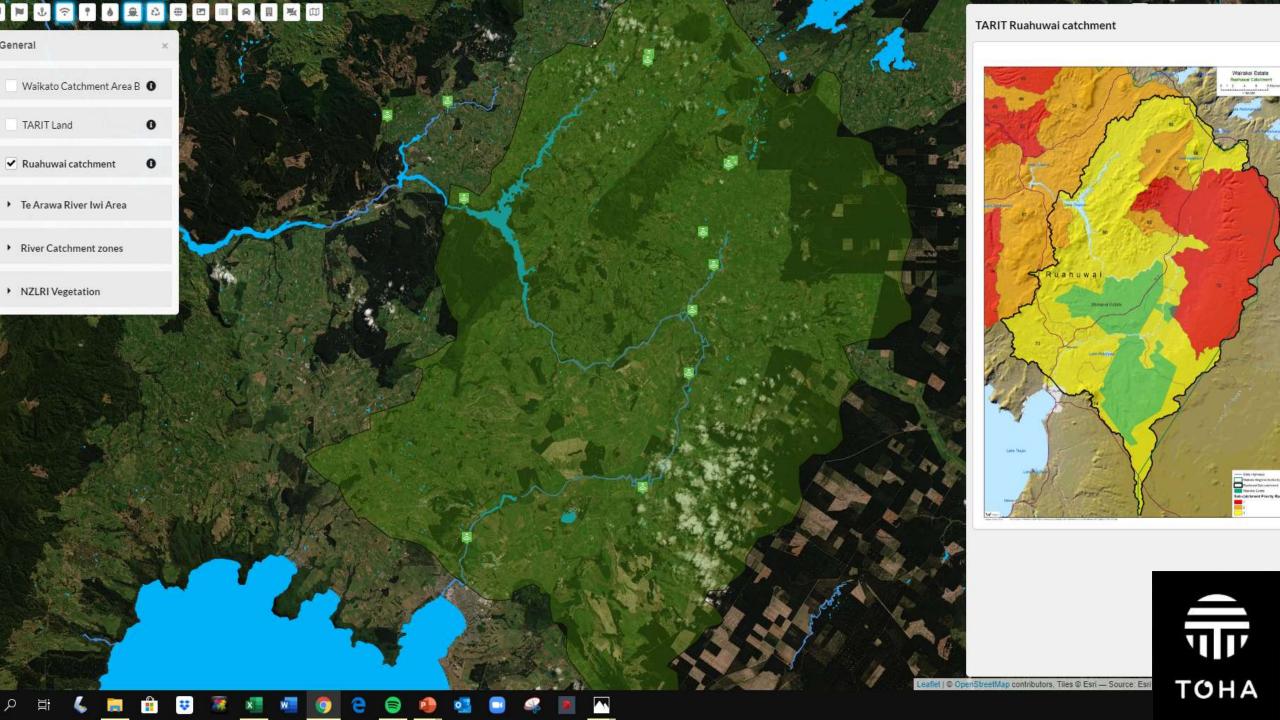




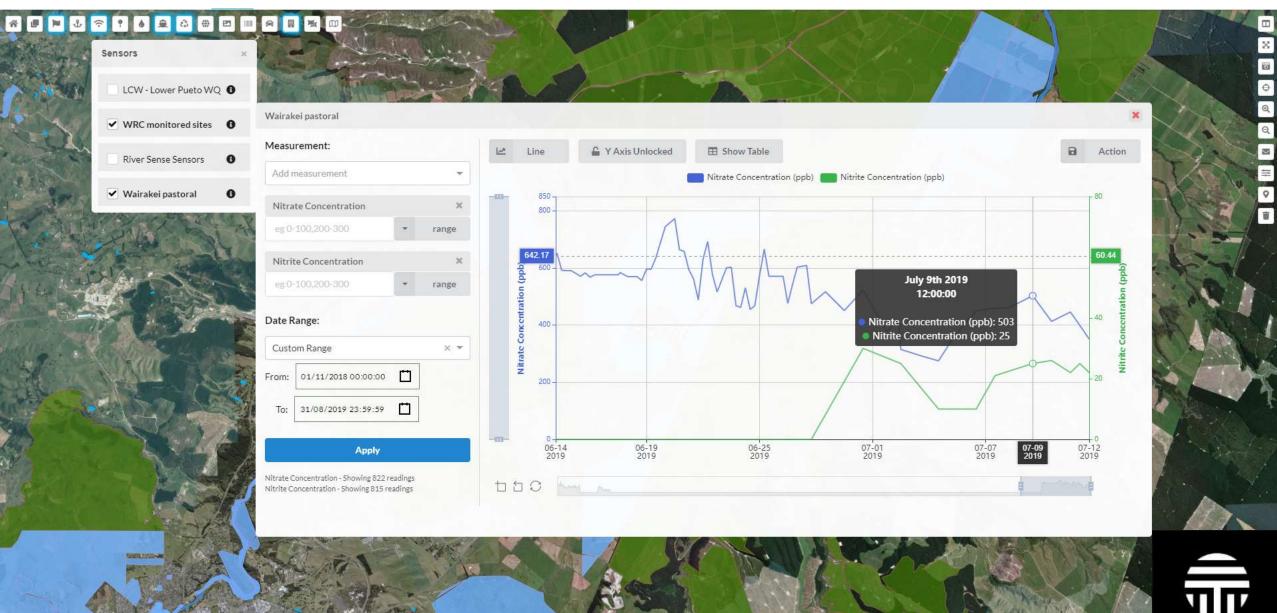
















ESSENTIAL FRESHWATER: Healthy water fairly allocated (2018)

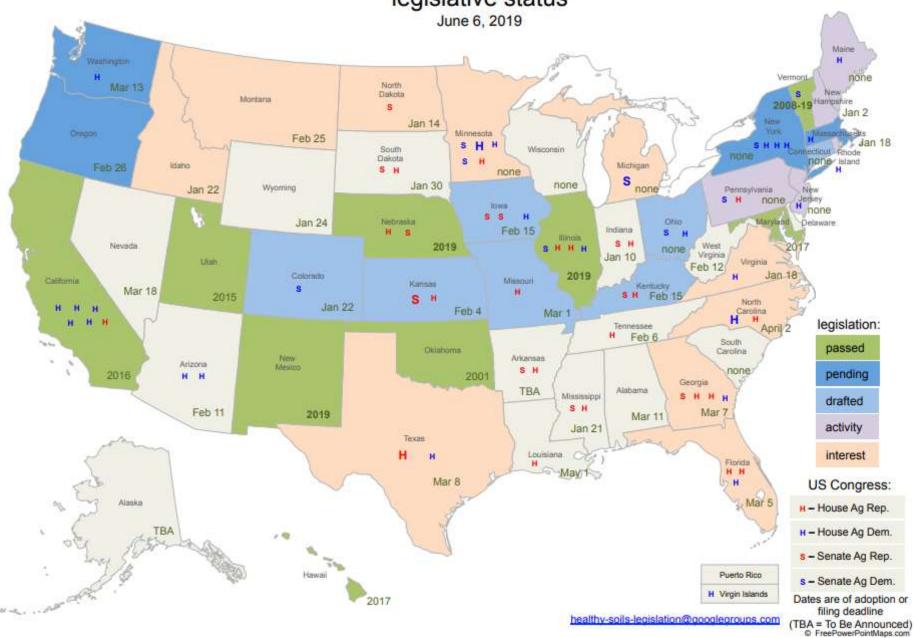
By 2020, new rules will be in place that will stop the degradation of New Zealand's freshwater.

In five years there will be a noticeable improvement in freshwater quality.

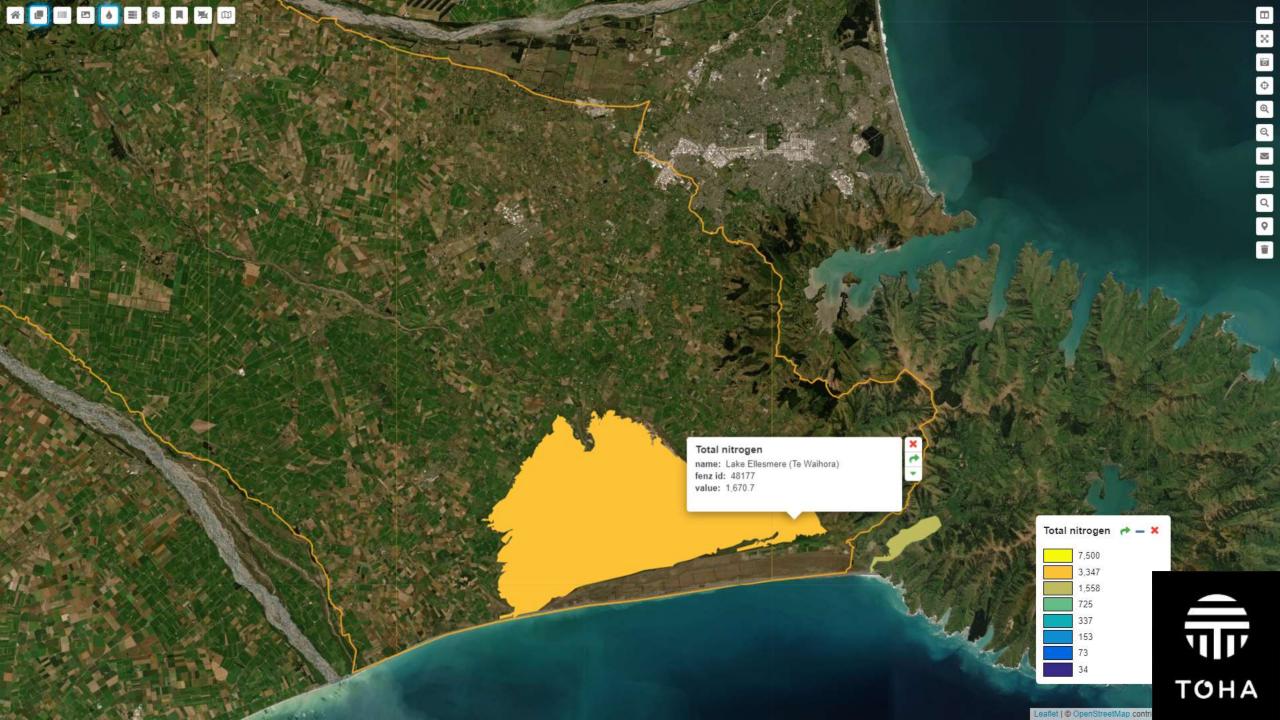
- 1. Stopping further degradation and
- 2. Reversing past damage
- 3. Addressing water allocation issues

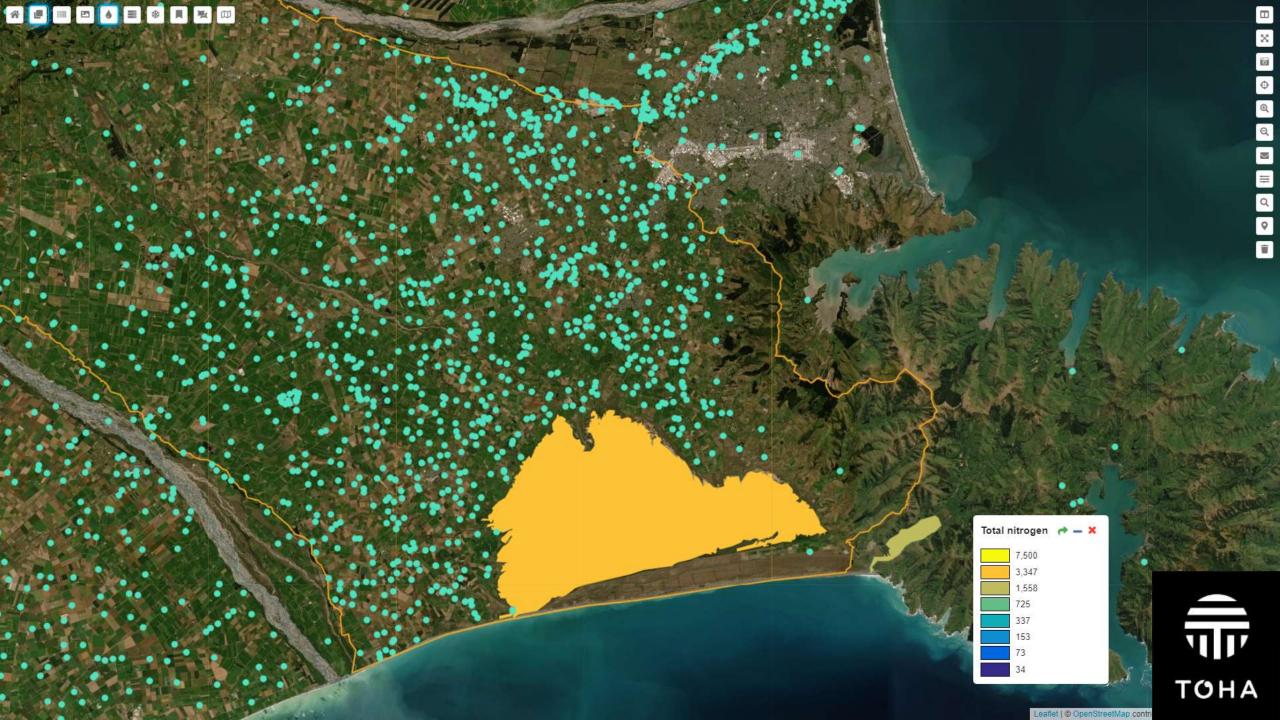


Healthy Soils legislative status









environment

Cantabrians may have higher cancer risk from poor drinking water .











Water scientist Dr Mike key has been testing the nitrate levels of water around Carterbury.

Contaminated drinking water may be increasing the risk of bowel cancer for some Cantabrians.

A citizen science experiment of 114 Canterbury drinking water sources, conducted by Fish and Game New Zealand, revealed some samples from rural areas exceeded a new, lower, cancer-alarm level European authorities are considering following a Danish-led study of 2.7 million



Canterbury water could be 'undrinkable' in 100 years because of nitrates o



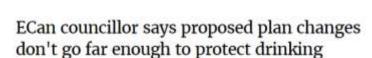












stuff =





environment









Ovisionustr's prictine water is world revolved and safe to drink straight from the tap. But will this statement ring true in 50 or 100 years?

> Users of Canterbury's world-renowned drinking water have been issued a dire warning. "Pollution could render it undrinkable in 100 years."

The warning comes from the Canterbury Medical Officer of Health, Dr. Alistair Humphrey, as concern builds over nitrates entering the water supply from dairy farms.

to the latest wildliche-funded Frank Ellm anarods - Zoou formore and the



Environment Camerinary shief sciencist Cr Tim Dave says Christchusch's disking water is and will "continue to be so", but will not be as prottine. (Video first published in December

An Environment Canterbury (ECan) councillor has "grave reservation about a proposed plan change doing enough to protect Christchurc water from nitrates contamination

ied about dirty rivers and streams now have a cha-





YOUR FARM'S NITROGEN LEACHING RISK

KG/HA/YR

Nitrogen Leaching Risk

This indicates the risk of the loss of nitrogen from the farming system into either the groundwater system or into waterways.

A small number indicates a lower risk of nitrogen loss.







Climate information including rainfall data as supplied by NIWA.

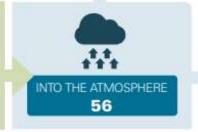




Soil processes



Information on your farm's soil types has been collected using the best available soils information.





Farm Management Decisions

These are the decisions you make every day on your farm.

For example, whether to winter cows off, how to deal with effluent, your stocking rate and on-farm infrastructure etc.



Nitrogen Surplus

NITROGEN SURPLUS

This is the difference between the total units of nitrogen brought onto the farm and the total units of nitrogen that leave the farm as products.

A high amount of surplus nitrogen can indicate an inefficient conversion of available nitrogen into milk protein.

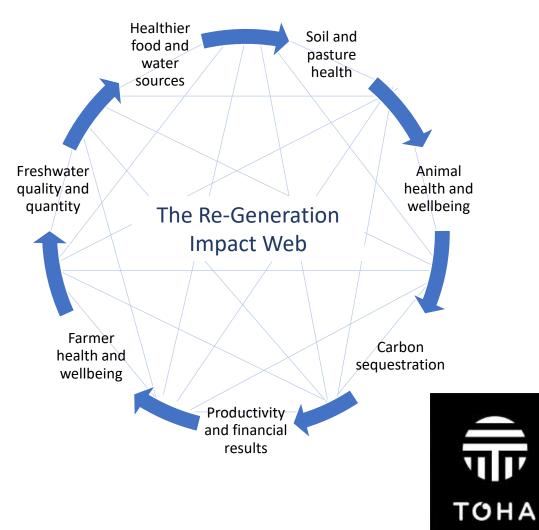
Nitrogen Leaching Risk

N LEACHING RISK

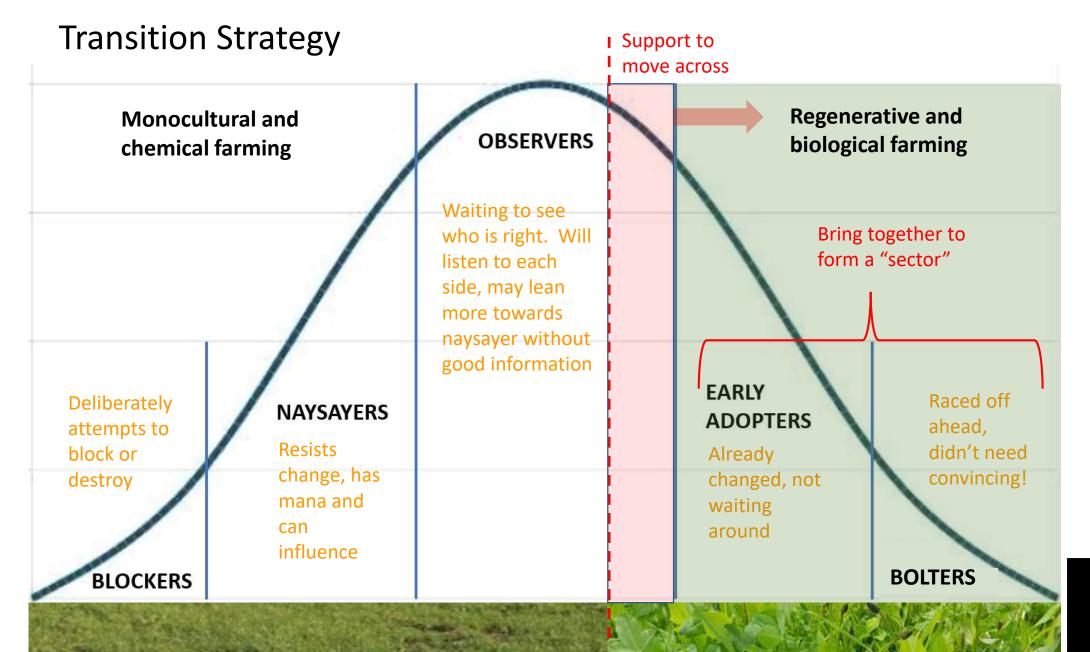




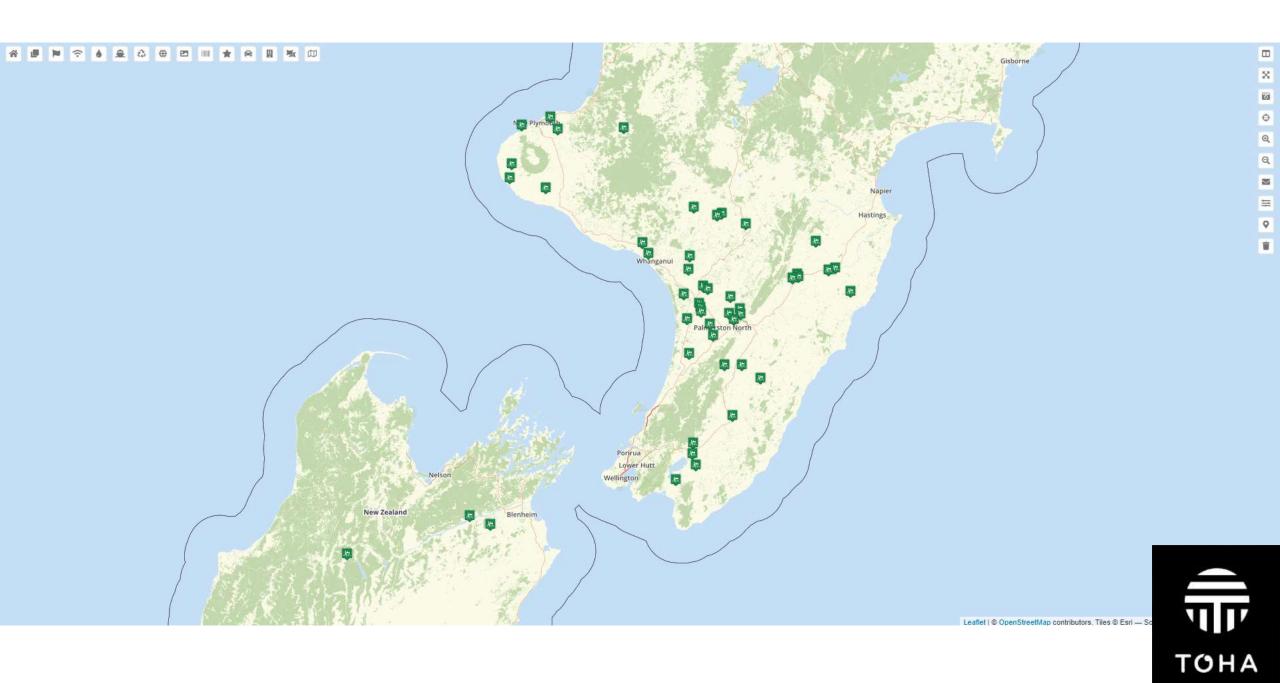
The Re-Generation Healthy Soils – Healthy Planet











Why are these Farmers changing land-use and land management practices?

- Financial and economic
- Environmental
- Climate change and resilience
- More closely aligned to their cultural values
- Healthier food production
- Healthier lifestyle
- Healthier animals





www.toha.nz