

# Small holdings in the Lake Rotorua catchment

Summary information



## Proud Partners



# Area of groundwater made up of small holdings <40 ha

Property size (ha)	# Properties	Proportion of all properties (%)	Proportion of total area (%)
0.4 - 4.0	1611	70	19
4.0 - 10	385	17	22
10 - 20	185	8	26
20 - 40	122	5	32
<b>Total</b>	<b>2303</b>		

# Overall land use <40 ha

	Small holdings – ground water		Benchmarking information – surface water	
<i>Land use</i>	<i>Area (ha)</i>	<i>Proportion of total area (%)</i>	<i>Area (ha)</i>	<i>Proportion of total area (%)</i>
<b>Bush and Scrub</b>	2447.25	20.61	8519.62	23.14
<b>Crop</b>	230.80	1.94	65.58	0.18
<b>Cut and Carry</b>	2.06	0.02	172.32	0.47
<b>Forestry</b>	1372.97	11.57	7116.41	19.33
<b>House</b>	37.01	0.31	81.91	0.22
<b>Non-productive</b>	64.63	0.54	135.80	0.37
<b>Pastoral (Dairy Support)</b>	849.91	7.16	2196.41	5.97
<b>Pastoral (Dairy)</b>	535.41	4.51	4469.75	12.14
<b>Pastoral (Dry Stock)</b>	5328.97	44.89	13340.39	36.24
<b>Riparian</b>	30.37	0.26	409.45	1.11
<b>Uncategorised</b>	121.66	1.02	302.70	0.82
<b>Urban</b>	850.56	7.16		
<b>Total</b>	<b>11871.60</b>		<b>36810.33</b>	

# Land use on different size classes (by ha)

0.4 - 4.0 ha		4.0 - 10 ha		10 - 20 ha		20 - 40 ha	
Pastoral (Dry Stock)	33.2	Pastoral (Dry Stock)	50.0	Pastoral (Dry Stock)	46.2	Pastoral (Dry Stock)	51.1
Forestry	23.7	Bush and Scrub	26.8	Bush and Scrub	17.2	Bush and Scrub	20.4
Bush and Scrub	19.1	Urban	6.3	Pastoral (Dairy Support)	11.3	Pastoral (Dairy Support)	10.0
Urban	18.0	Forestry	4.9	Forestry	8.5	Forestry	7.6
Pastoral (Dairy Support)	2.1	Pastoral (Dairy Support)	4.9	Pastoral (Dairy)	6.4	Pastoral (Dairy)	5.9
<b>Top 5 %</b>	<b>96.1</b>		<b>92.9</b>		<b>89.7</b>		<b>95.1</b>

# Nitrogen losses

## ROTAN - groundwater

Source of N	Area in use (ha)	% of total catchment	Total tN/yr	% of total N	Average kg N ha/yr
Dairy	5050	10.9	273	36.2	54.1
Drystock	15072	32.5	236	31.3	15.7
Forest	21182	45.7	75.4	10	3.6
Urban	3961	8.5	93.4	12.4	23.6
Lifestyle	1053	2.3	16.7	2.2	15.9
Geothermal	59	0.1	30.3	4	513.6
Rain	n/a		30	4	
<b>TOTAL</b>	<b>46377</b>		<b>755</b>		

## Small holdings - groundwater

Source of N	Area in use (ha)	% of area <40 ha	Total N extrapolated	Potential % total sector N	Potential % total catchment N
Dairy	535.4	4.5	29.0	10.6	3.8
Drystock	6411.7	54.0	100.7	42.7	13.3
Forest	3850.6	32.4	13.9	18.4	1.8
Urban	1073.9	9.0	25.3	27.1	3.4
<b>TOTAL</b>	<b>11871.6</b>		<b>168.8</b>		<b>22.4</b>

# Stakeholder survey information

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- 💧 Dairy support revenue on larger properties likely to be very important income source
- 💧 Perception that dairy support significant land use
- 💧 Low awareness about nutrient management