

	ha	t N yr ⁻¹	% TN	t P yr ⁻¹	%TP
External load targets (BoPRC 2009)		234		10	

Lake Rotoiti "pre-wall" to 2008 (BoPRC 2009)

Ohau Channel (pg. 10)	n/a	176.0	64.0	17.30	78.1	
Septic tanks	n/a	2.7	1.0	0.27	1.2	Assumes current HUE (435), weighted average occupancy (1.73, Kevan Brian (RDC) pers. comm., 3.65 kg N/person/yr)
Forestry	6732	18.2	6.6	0.79	3.5	
Pastoral	1284	20.2	7.3	0.85	3.9	R11 database with 70% ag P attenuation
Other/Unproductive/Wetland	803	5.9	2.1	1.23	5.6	
Geothermal/springs	n/a	40.0	14.5	1.12	5.0	
Rainfall	3430	12.0	4.4	0.58	2.6	
<i>Total external load (pre-wall)</i>	<i>12249</i>	<i>275.0</i>	<i>100.0</i>	<i>22.1</i>	<i>100.0</i>	

Lake Rotoiti "with-wall" 2008 -?

Ohau Channel*	n/a	3.2	3.1	0.24	4.7	
Septic tanks	n/a	2.7	2.7	0.27	5.4	Assumes current HUE (435), weighted average occupancy (1.73, Kevan Brian (RDC) pers. comm., 3.65 kg N/person/yr)
Forestry	6732	18.2	17.8	0.79	15.5	
Pastoral	1284	20.2	19.8	0.85	16.8	
Other/Unproductive/Wetland	803	5.9	5.8	1.23	24.2	
Geothermal/springs	n/a	52.0	50.9	1.70	33.4	
<i>Total external load (pre-wall)</i>	<i>8819</i>	<i>102.1</i>	<i>100.0</i>	<i>5.08</i>	<i>100.0</i>	

*assumes 2% back-flow around wall (worst-case)

Lake Rotoiti "no-wall with 2009-2013 Ohau WQ"

Ohau Channel*	n/a	158.0	61.5	12.00	71.2	
Septic tanks	n/a	2.7	1.1	0.27	1.6	Assumes current HUE (435), weighted average occupancy (1.73, Kevan Brian (RDC) pers. comm., 3.65 kg N/person/yr)
Forestry	6732	18.2	7.1	0.79	4.7	
Pastoral	1284	20.2	7.9	0.85	5.1	
Other/Unproductive/Wetland	803	5.9	2.3	1.23	7.3	
Geothermal/springs	n/a	52.0	20.2	1.70	10.1	
<i>Total external load (pre-wall)</i>	<i>8819</i>	<i>257.0</i>	<i>100.0</i>	<i>16.84</i>	<i>100.0</i>	

Lake Rotoiti "no-wall with 2009-2013 Ohau WQ but P managed @ 0.02 g/m3"

Ohau Channel*	n/a	158.0	61.5	7.50	44.5	
Septic tanks	n/a	2.7	1.1	0.27	2.2	Assumes current HUE (435), weighted average occupancy (1.73, Kevan Brian (RDC) pers. comm., 3.65 kg N/person/yr)
Forestry	6732	18.2	7.1	0.79	4.7	
Pastoral	1284	20.2	7.9	0.85	5.1	
Other/Unproductive/Wetland	803	5.9	2.3	1.23	7.3	
Geothermal/springs	n/a	52.0	20.2	1.70	10.1	
<i>Total external load (pre-wall)</i>	<i>8819</i>	<i>257.0</i>	<i>100.0</i>	<i>12.34</i>	<i>73.9</i>	