

Ruamāhanga whaitua sediment targets

DRAFT AT 27.04.2018

All targets to be achieved by 2050

Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	% of total load to Lake Onoke by 2050
Entire Ruamāhanga whaitua	1,323,883	946,370	377,513	29	Lake Onoke (catchment)	1,248,795	884,598	364,197	29	Lake Wairarapa (catchment)	113,467	81,481	31,986	28	Otukura Stream	4,694	1,215	3,479	74	1
										Valley floor streams (to Lake Wairarapa)	9,166	2,643	6,523	71	2					
										Western lakes streams	38,203	28,159	10,044	26	3					
										Tauherenikau River	51,370	47,453	3,917	8	1					
										Lake Wairarapa	10,034	2,011	8,023	80	2					
										Turanganui River	18,071	10,603	7,468	41	2					
										Tauanui River	9,061	6,497	2,564	28	0.7					
										Eastern hill streams	93,040	58,757	34,283	37	9					
										Huanga River	155,174	97,689	57,485	37	16					
										Makahakaha Stream	20,367	17,211	3,156	15	1					
										Taueru River	231,273	131,490	99,783	43	27					
										Parkvale Stream	7,060	2,389	4,671	66	1					
										Valley floor streams (to Ruamāhanga River)	45,461	13,506	31,955	70	9					
					Whangaehu River	71,510	45,170	26,340	37	7										
					Kopuaranga River	67,822	55,567	12,255	18	3										
					Upper Ruamāhanga River	80,491	74,162	6,329	8	2										
					Waipoua River	56,431	42,447	13,984	25	4										
					Waingawa River	99,177	89,001	10,176	10	3										
					Waiohine River	137,234	130,841	6,393	5	2										
					Mangatarere Stream	38,255	26,797	11,458	30	3										
					Lake Onoke	4,901	990	3,911	80	1										
					South coast streams	75,088	61,772	13,316	18											

Source: IZ090000_Ruamahanga_SedNetNZ_Summary loads per FMU_20_4_18
http://ourspace.gw.govt.nz/ws/envplan/_layouts/15/DocIdRedir.aspx?ID=ENPL-6-2407

= 'top 5 catchment'

TO LAKE ONOKE

	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	% of total reduction to Lake Onoke
Top 5 reductions - to Lake Onoke	618,819	388,673	230,146	-37	63
All other - to Lake Onoke	629,976	494,935	134,051	-21	37

ENTIRE WHAITUA

	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	% of total reduction to Lake Onoke
Top 5 reductions	618,819	388,673	230,146	-37	61
All other to Lake Onoke	629,976	494,935	134,051	-21	36
South coast streams	75,088	61,772	13,316	-18	4

Ruamāhanga whaitua nitrate-N reduction limits and targets

DRAFT AT 27.04.2018

Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load (t/yr)	Current load limit (t/yr)	Target load (t/yr)	% load reduction	% of total load to Lake Onoke by 2050					
Entire Ruamāhanga whaitua	4,873.6	4,564.7	308.9	6	Lake Onoke (catchment)	4,671.2	4,363.3	308.0	7	Lake Wairarapa (catchment)	877.6	752.6	124.9	14	Otukura Stream	267.3	215.8	51	19	17					
															Valley floor streams (to Lake Wairarapa)	275.3	205.2	70	25	23					
															Western lakes streams	227.4	225.4	2	1	1					
															Tauherenikau River	101.6	101.3	0	0	0					
															Lake Wairarapa	6.0	5.0	1	17	0					
															Turanganui River	84.5	84.0	1	1	0					
															Tauanui River	66.5	63.3	3	5	1					
															Eastern hill streams	483.8	478.8	5	1	2					
															Huangaaru River	405.8	405.3	0	0	0					
															Makahakaha Stream	79.6	74.1	6	7	2					
															Taueru River	442.6	414.5	28	6	9					
															Parkvale Stream	251.0	217.4	34	13	11					
															Valley floor streams (to Ruamāhanga River)	379.3	375.4	4	1	1					
															Whangaehu River	241.7	228.5	13	5	4					
					Kopuaranga River	338.9	308.5	30	9	10															
					Upper Ruamāhanga River	100.9	100.9	0	0	0															
					Waipoua River	348.0	325.6	22	6	7															
					Waingawa River	124.4	124.4	0	0	0															
					Waiohine River	122.4	121.1	1	1	0															
					Mangatarere Stream	324.0	288.7	35	11	11															
					Lake Onoke	0.2	0.2	0.002	0.8	0															
					South coast streams	202.4	201.43	1	0.5																

Source: IZ090000 Ruamāhanga Jacobs FMU loads 20 04 2018
http://ourspace.gw.govt.nz/ws/envplan/_layouts/15/DocIdRedir.aspx?ID=ENPL-6-2407

Ruamāhanga whitua total phosphorus reduction limits and targets

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Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	Receiving environment	Current load limit (t/yr)	Target load (t/yr)	Load reduction (t/yr)	% load reduction	% of total load to Lake Onoke by 2050
Entire Ruamāhanga whitua	274.6	188.2	86.4	31	Lake Onoke (catchment)	266.2	180.2	86.1	32	Lake Wairarapa (catchment)	51.7	41.9	9.7	19	Otukura Stream	6.7	4.2	2.5	37	3
										Valley floor streams (to Lake Wairarapa)					11.4	5.1	6.2	55	7	
										Western lakes streams					26.1	25.5	0.6	2	1	
										Tauherenikau River					5.4	5.3	0.1	2.3	0.1	
										Lake Wairarapa					2.1	1.9	0.2	11	0.3	
										Turanganui River					3.1	3.0	0.1	3	0.1	
										Tauanui River					2.3	1.6	0.7	31	0.8	
										Eastern hill streams					18.6	16.6	1.9	10	2	
										Huangarua River					26.6	26.3	0.3	1	0.4	
										Makahakaha Stream					3.5	1.9	1.7	47	2	
										Taueru River					18.5	6.9	11.6	63	13	
										Parkvale Stream					9.2	6.2	3.0	32	3	
										Valley floor streams (to Ruamāhanga River)					15.1	14.1	1.0	7	1	
										Whangaehu River					10.7	1.5	9.2	86	11	
										Kopuaranga River					38.2	11.6	26.6	70	31	
					Upper Ruamāhanga River	8.2	8.1	0.0	0	0										
					Waipoua River	25.5	10.7	14.8	58	17										
					Waingawa River	8.1	8.1	0.0	0	0										
					Waiohine River	9.0	8.6	0.4	5	1										
					Mangatarere Stream	17.8	12.8	5.0	28	6										
					Lake Onoke	0.2	0.2	0.0	2.1	0										
					South coast streams	8.4	8.1	0.3	3.6											

Source: IZ090000 Ruamāhanga Jacobs FMU loads 20 04 2018
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