

## Nutrient criteria for periphyto

### Instream nutrient concentrations and exceedance criteria for achieving periphyton objectives

As required by note to NOF periphyton table in 2017 changes to NPS-FM

Nutrient concentrations based on reductions in nutrient concentrations derived from the 'scenario' of testing of mitigation options sufficient to achieve RWC nitrate toxicity objectives. These are suitable nutrient criteria for the purposes of the NOF note when reductions are achieved in combination with suitable habitat mitigation methods e.g. extensive riparian planting on Valley floor streams

River freshwater management unit	In-stream nutrient concentrations			
	DIN		DRP	
	Median	95th %ile	Median	95th %ile
Eastern hill streams	0.23	0.67	0.006	0.029
Huangerua River	0.23	0.67	0.006	0.029
Kopuaranga River	0.82	1.20	0.011	0.018
Makahakaha Stream	0.74	1.52	0.011	0.017
Mangatarere Stream	1.02	1.63	0.018	0.076
Otukura Stream	1.01	1.35	0.004	0.008
Parkvale Stream	1.01	1.55	0.019	0.051
Ruamāhanga - Gladstone Bridge	0.32	1.01	0.006	0.024
Ruamāhanga - Pukio	0.33	0.97	0.007	0.021
Ruamāhanga - upstream of confluence with Lake Wai outlet	0.40	1.01	0.007	0.020
Ruamāhanga - Waihenga	0.50	0.88	0.006	0.019
Ruamāhanga - Wardells	0.55	1.29	0.009	0.021
South coast streams	0.04	0.15	0.004	0.005
Tauanui River	0.13	0.35	0.004	0.007
Taueru River	0.71	1.45	0.009	0.021
Tauherenikau River	0.04	0.15	0.004	0.005
Turanganui River	0.16	0.65	0.005	0.021
Upper Ruamāhanga River*	0.10	0.45	0.005	0.009
Valley floor streams - draining to Lake Wairarapa	1.01	1.35	0.004	0.008
Valley floor streams - draining to Ruamāhanga River	1.01	1.35	0.004	0.008
Waingawa River	0.07	0.24	0.004	0.006
Waiohine River**	0.35	0.87	0.006	0.023
Waipoua River	0.63	1.42	0.003	0.004
Western lake streams	0.04	0.15	0.004	0.005
Whangaehu River	0.48	1.55	0.023	0.045

\* Using Double Bridges as site

\*\* Using Bicknellss as site