

Periphyton - rivers

Summary sheet of baseline and modelling data

River name	Where on river monitored or modelled?	What is the baseline state?		What is the likely change in bands under this scenario from scenario baseline to 2080? (using BBN modelling)			FMU type
		Estimated*	Using monitoring data (projected as not yet enough data for full assessment)	BAU	Silver	Gold	
Turanganui River	Mouth	C/D**					Aorangi rivers
Tauanui River	Mouth	C/D**					Aorangi rivers
Huangarua River	Ponatahi Bridge	C	C	-	↑	↑	Eastern hill rivers
Taueru River	Gladstone	D*		-	-	-	Eastern hill rivers
Makahakaha Stream	Mouth						Eastern hill rivers
Ruamāhanga at Waihenga	Waihenga	B	B				Main stem Ruamāhanga
Ruamāhanga at Pukio	Pukio	B*		-	-	-	Main stem Ruamāhanga
Ruamāhanga at Gladstone	Gladstone Bridge	B	B				Main stem Ruamāhanga
Ruamāhanga at US of Lake Wai ou US of Lake Wai outlet							Main stem Ruamāhanga
Ruamāhanga at Wardells	Wardells	B**					Main stem Ruamāhanga
Kopuaranga River	Stuarts	D	D	-	-	-	Northern rivers
Whangaehu River	250m from Rua confluence	NA	NA	NA	NA	NA	Northern rivers
Parkvale Stream	Weir	B	B				Valley floor streams
Otukura Stream	Mouth						Valley floor streams
Waingawa River	South Road	A	A	-	-	-	Western hill rivers
Waiohine River	Bicknells	A	A	-	-	-	Western hill rivers
Upper Ruamāhanga River	Te Ore Ore	A	A	-	-	-	Western hill rivers
Tauherenikau River	Websters	A*		-	-	-	Western hill rivers
Mangatarere Stream	SH2	C	C	-	-	-	Western hill rivers
Waipoua River	Colombo	B*		-	-	-	Western hill rivers

NOF Attribute state			
A	B	C	D
Rare blooms reflecting negligible nutrient enrichment and/or alteration of the natural flow regime or habitat	Occasional blooms reflecting low nutrient enrichment and/or alteration of the natural flow regime or habitat	Periodic short-duration nuisance blooms reflecting moderate nutrient enrichment and/or alteration of the natural flow regime or habitat	Regular and/or extended-duration nuisance blooms reflecting high nutrient enrichment and/or significant alteration of the natural flow regime or habitat

Likely change				
>1 band worse	1 band worse	No change	1 band better	>1 band better
↓↓	↓	-	↑	↑↑

‡Estimated means:	
As estimated by GWRC, based on a cascade of 'best knowledge' in this order:	
1. If there is regular chl-a monitoring data then those data are used to project out the likely category once 3 years of data has been collected (i.e. column D)	
2. If there is only regular % cover monitoring data, then expert opinion is used	Shown with *
3. If there is no chl-a or regular cover data, but some other data available, then an expert best guess-timate has been used	Shown with **
4. If there is none of the above, no results are presented	