

Macroinvertebrate community index (MCI) - rivers

Summary sheet of baseline and modelling data

River name	Where on river monitored or modelled?	What is the baseline state? (uses regional grading tool)		What is the likely change in grade under this scenario from scenario baseline to 2080?				
		Estimated [‡]	From BBN modelling outputs	BAU	Silver	Gold	FMU type	River class
Turanganui River	Mouth	Fair*					Aorangi rivers	4
Tauanui River	Mouth	Fair*					Aorangi rivers	4
Taueru River	Gladstone	Good	Fair	-	-	-	Eastern hill rivers	3
Huangarua River	Ponatahi Bridge	Fair	Poor	-	-	-	Eastern hill rivers	4
Makahakaha Stream	Mouth	Fair*					Eastern hill rivers	5
Ruamāhanga at Pukio	Pukio	Good	Poor	-	-	-	Main stem Ruamāhanga	4
Ruamāhanga at Waihenga	Waihenga	Fair*					Main stem Ruamāhanga	4
Ruamāhanga at Gladstone	Gladstone Bridge	Fair*					Main stem Ruamāhanga	4
Ruamāhanga at US of Lake Wai outlet	US of Lake Wai outlet	Fair*					Main stem Ruamāhanga	4
Ruamāhanga at Wardells	Wardells	Fair*					Main stem Ruamāhanga	4
Kopuaranga River	Stuarts	Fair	Fair	-	-	-	Northern rivers	5
Whangaehu River	250m from Rua confl	Fair*					Northern rivers	3
Parkvale Stream	Weir	Fair*					Valley floor streams	5
Otukura Stream	Mouth	Fair*					Valley floor streams	6
Waingawa River	South Road	Good	Fair	-	-	-	Western hill rivers	4
Waiohine River	Bicknells	Fair	Fair	-	-	-	Western hill rivers	4
Tauherenikau River	Websters	Fair	Fair	-	-	-	Western hill rivers	4
Mangatarere Stream	SH2	Fair	Fair	-	-	-	Western hill rivers	4
Upper Ruamāhanga River	Te Ore Ore	Fair	Poor	-	-	-	Western hill rivers	4
Waipoua River	Colombo	Fair	Poor	-	-	-	Western hill rivers	4

Regional grading tool (Clapcott and Goodwin, 2014)

	A	B	C	D
River class	Excellent	Good	Fair	Poor
3	≥130	≥105	≥80	<80
4	≥130	≥110	≥90	<90
5	≥120	≥100	≥80	<80
6	≥120	≥100	≥80	<80

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 MCI monitoring data then those data are used
2. If there is no monitoring data or only patchy monitoring data, then modelled MCI is used (Clapcott and Goodwin, 2014). Modelled grades are shown with *