

Attribute [Key: blue=staff suggestion, yellow=Flag suggestion, green = both flag/staff suggestions] (F)=suggested by FLAG, (S)=Suggested by staff	Ecosystem Health (compulsory)	Cultural and Spiritual Values	Fishing and Food Gathering	Natural Form & Character	Recreation (secondary contact compulsory)	Municipal/Domestic Water Supply (Source Water)	Livelihood and Economic Use	Hydro-electric Power Generation	Comments
Angler days - num of days per year			Takaka River [popular for trout fishing] (S)						
Dissolved Oxygen	Motupipi River [known problems] (S)								
E.coli (breaches of recreation standards)					Takaka River at Paynes Ford (S/F), TWMC (F/S), Lower Anatoki River (S), Motupipi River (F), Pohara Creek (F) [popular freshwater and freshwater affected swimming sites]		TWMC (S), Pohara Creek (F) [tourism - default to that used under Recreation]		Duplication and overlap - Water Wheel to default to recreation value, but acknowledge this aspect also of importance to tourism industry.
E.coli (human consumption)			Watercress locations?(F??) [known harvest locations -risk to human health]			Alluvial Groundwaters (S) [used for untreated water takes]			Duplication and overlap - Water Wheel to default to most sensitive situation.
Flow allocation regime [eg change of low flow statistic]								TWMC (S/F), Takaka at Harwoods (S), Takaka River at Paynes Ford (F),	
Flow regime (with specific minimum flow)	Takaka River at Paynes Ford (F)	Te Waikoropupu Springs [iconic -for protection of spring flow] (S)		Takaka River at Paynes Ford (F)					Flow statistics will differ between water bodies.
Freshwater fish [food species] abundance and diversity (observed/over expected for specific species, eg whitebait, eel, trout)			Waitapu Estuary?(S), Motupipi River (where?) (S/F), Takaka at Paynes Ford (F), TWMC (F) [known mahinga kai locations - which species?]						
Freshwater fish [native] abundance and diversity (Observed/Over Expected)	Onekaka River [very high diversity observed] (S)								
Irrigable area - % irrigated							TWMC (S)		
Kilowatts generated								TWMC, Cobb, Waikororopupu, Onekaka (S)	
Low flow for economic use (% of MALF allocated, change in MALF in 3 WMCs with greatest change - below takes)							TWMC (S)		
Low flow for ecosystem health (% of MALF allocated)	Onekaka River [key for protecting high fish diversity] (S)								
Low flow for water supply (% of MALF allocated, change in MALF averaged across the named creeks - below takes)						Eastern Takaka Catchments - named creeks? [used for water takes]			
Macro-invertebrate indices (eg MCI)	Takaka River at Kotinga [has MCI data record](S), Takaka River at Paynes Ford (S/F) [no appreciable difference to kotinga], Motupipi River (F), TWMC (F)								
Nitrates	Motupipi River (F)	Te Waikoropupu Springs [iconic - for retention of low nitrate levels] (S)							Duplication and overlap - Water Wheel to default to most sensitive situation
Number [density] of human-made structures in or adjacent to water body				TWMC (S)					
Number and spread of sites with safe public access			TWMC (S) [with default to most sensitive value]		TWMC (S) [with default to most sensitive value]		(TWMC (S) [tourism-with default to most sensitive value]		Duplication and overlap - Water Wheel to default to most sensitive situation
Numbers of days any part of Takaka River main stem is dry (change in dry days per year)							Takaka River (S) [affects surface water takes??]	Cobb Dam [??] (S)	
Periphyton (% Bed Cover, number of exceedances of guidelines)	Motupipi River, Paynes Ford [known problems] (S)				Takaka River at Paynes Ford (S/F), Lower Anatoki River (S), Motupipi River (F), TWMC (S) [popular swimming sites]				Duplication and overlap - Water Wheel to default to most sensitive situation
Riparian Vegetation Assessment (lowland perennial rivers/streams)	Powell Creek (S), TWMC (S) [known problems exacerbated by poor shading]			TWMC (S), Motupipi River (F)					Duplication and overlap - Water Wheel to default to most sensitive situation
Security of supply - SOS (change in SOS in WMZ with 3 lowest SOS)						TWMC (S/F)	TWMC (S/F), Motupipi River (F), Takaka River at Paynes Ford (F)		Duplication and overlap - Water Wheel to default to most sensitive situation
Stream Habitat Score (eg Multi-Value Assessment)	Motupipi River (S) [known problems] TWMC (F)			Motupipi River (F), Takaka River at Paynes Ford (F), TWMC (F)					Duplication and overlap - Water Wheel to default to most sensitive situation
Visual Water Clarity (change in black disc)		TWMC (F)			Paynes Ford(S), Lower Anatoki River(S), TWMC (F) [popular swimming sites]				Duplication and overlap - Water Wheel to default to most sensitive situation
Number of people (FTE) employed in primary production and related industries							TWMC (S)		
Public participation and satisfaction index for Takaka Water resources							TWMC (S)		This could be applicable across other 'social' related values
Assessment of Mauri (eg Cultural Health Index)		Takaka River at Paynes Ford (F), TWMC (F)	Motupipi River (F), Takaka River at Paynes Ford (F)						Duplication and overlap - Water Wheel to default to most sensitive situation
Social Indicator(s) (to be confirmed)		Motupipi River (F), Takaka River at Paynes Ford (F)							
Economic Indicators(s) (to be confirmed)							Motupipi River (F), Takaka at Paynes Ford (F), TWMC (F)		
Groundwater Level						Motupipi River (F), Takaka River at Paynes Ford (F), TWMC (F)			