

Attribute (blue shading = we have data, orange = no data readily available)	Ecosystem Health (compulsory)	Cultural and Spiritual Values	Fishing and Food Gathering	Recreation (secondary contact compulsory)	Municipal/Domestic Water Supply (Source Water)	Livelihood and Economic Use	Comments
Nitrates (including consideration of hardness and bacterial state where relevant)	Coastal Springfed streams (Neimann), AGUA (?), UCA (SOE site GW37) [need to define grading - have NOF toxicity Ann.Med<6.9mg NO3-N/L + Ann.95%<9.8mg NO3-N/L]	[is met by ecosystem health requirements]			UCA, AGUA, LCA [need to define grading - have NZDWS <11.3mg NO3-N/L]	UCA, AGUA, LCA for irrigation [need to define grading - refer ANZECC V3 - primary industries?Irrigation Long Term <5mg NO3-N/L (stock drinking <400mg NO3- N?/L)]	
Land use - leaching risk (Overseer)						Waimea Plains, Wai-iti catchment [need to define grading]	Data collection for this is in progress.
E.coli (breaches of recreation standards)		[is met by recreation requirements]		Waimea River at Appleby Bridge, Lee River at Lee Reserve, Twin Bridges, Wai-iti River [using bathing water grading]			
E.coli (human consumption)		[is met by fishing and food gathering requirements]	Watercress collection (locations? Borck Creek?) [need to define grading]		*		* E.coli was excluded from the drinking water value as the issues and threats are associated with localised bore security, rather than bacterial water quality of the aquifer source. There are other aspects - eg liver fluke and heavy metals which can make watercress unsafe. Should we also address stock water needs?
Cyanobacteria (% cover of bed – visual assessment).		[is met by recreation requirements]		Lower Waimea River (off river road 500m US SH), Lower Wai-iti River (waimea west road bridge) [need to define grading]			20% coverage - trigger for acceptable/unacceptable
Periphyton (% Bed Cover, number of exceedances of guidelines)	Important across WWMZ (Key site: Neimann Creek) [using SOE-B&K2000 grading]	[is met by ecosystem health and recreation requirements]		Waimea River at Appleby Bridge, Lee River at Lee Reserve, Twin Bridges, Wai-iti (at Waimea West Rd) [using SOE grading]			
Visual Water Clarity (change in black disc) (base flow only)	Important across WWMZ [using SOE grading]	[is met by ecosystem health and recreation requirements]		Waimea River at Appleby Bridge, Lee River at Lee Reserve, Twin Bridges?, Wai-iti River [popular freshwater and freshwater affected swimming sites] [using SOE grading]			
Dissolved Oxygen	Important across WWMZ (Key site: Neimann Creek) [using SOE-ANZECC grading]	[is met by ecosystem health requirements]					
Riparian Vegetation Assessment (lowland perennial rivers/streams)	Important across WWMZ [need to define grading]	[is met by ecosystem health requirements]					
Stream Habitat Score (eg Multi-Value Assessment)	Important across WWMZ [need to define grading]	[is met by ecosystem health requirements]					
Freshwater fish [food species] abundance and diversity (observed/over expected for specific species, eg whitebait, eel, trout)		[is met by fishing and food gathering requirements]	Waimea River (near great taste trail - whitebaiting), Pearl Creek (DS of tide wall - whitebaiting), Waimea Estuary (flounder, shellfish- future DoC 1990), Waimea River (trout - F&G?) [need to define grading]				
Freshwater fish [native] abundance and diversity (Observed/Over Expected)	Waimea River (Torrent Fish/BG.Bully) , Upper Eves Valley stream (mature veg- site -intermittent yet fish diversity high and rare species) [need to define grading]	[is met by ecosystem health requirements]					
Macro-invertebrate indices (eg MCI)	Important across WWMZ (Key sites: Waimea R, Borck & Reservoir Creeks) [using J Stark grading system]	[is met by ecosystem health requirements]					
Fine sediment (SBSV - settleable bethic sediment volume)	Important across WWMZ (Key site: Waimea River at Appleby) [need to define grading]	[is met by ecosystem health requirements]					Sediment source tracking (one off project) is being undertaken in the Waimea Catchment to determine relative sources of sediment.
Fine sediment (settlement plates)	Waimea Estuary (at sediment plates) [need to define grading]	[is met by ecosystem health requirements]					