

Table 11.1: Raw Water Quality

System	Catchment	Impoundment/ Abstraction	Abstraction Water Quality Status and Trends					Comments
			2019	2020	2021	2022	2023	Adverse Raw Water Quality
Inland & Central Coast	Mooi	Spring Grove Dam	Good	Excellent	Excellent	Excellent	Excellent	-
		Mearns Dam	Good	Excellent	Good	Excellent	Excellent	-
	uMgeni	Midmar Dam	Good	Excellent	Good	Excellent	Good	-
		Albert Falls Dam	Unsatisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Satisfactory	-
		Nagle Dam	Excellent	Unsatisfactory	Satisfactory	Good	Good	-
		Inanda Dam	Poor	Good	Good	Unsatisfactory	Poor	Inanda Dam showed poor water quality status due to elevated algal counts, <i>E. coli</i> , <i>Barzia</i> , chlorophyll 'a', and geosmin associated with eutrophication (in particular the long term sewer problems in the uMsunduzi river catchment) and significant rainfall events.
North Coast	uMdloti	Hazelmere Dam	Good	Excellent	Excellent	Good	Good	-
	uMvoti	iMvutshane Dam & River abstraction	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Imvutshane Dam showed unsatisfactory water quality status due to elevated chlorophyll "a", algal count, ortho-phosphate, total phosphorus, total organic carbon and turbidity associated with catchment rainfall events and elevated nutrient loadings.
	uThukela	River abstraction	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory	Raw water abstracted from the uThukela River (Lower Thukela River) showed unsatisfactory water quality status due to elevated <i>E. coli</i> , <i>Giardia</i> , soluble iron, total organic carbon and turbidity associated with catchment rain / erosion events and human and animal activities in the catchment. The Sundumbili Town sewer network and sewage pump stations just upstream of the WW are thought likely to be a significant part of the problem affecting the lower Thukela WW.