

4660

335

5 cm

TASMANIAN DEPARTMENT OF MINES WATER ANALYSIS				Field No.			
				Lab. reg. no.			
				Surface sample ?			
				Groundwater sample ?			
Project		Location					
Co-ordinates		Date sampled:		Date analysed:			
		Sampled by:		Analysed by:			
Sampling conditions			Landowner and address (if applicable)				
Field observations							
Colour		Odour		Taste			
pH		Eh		Specific conductance (µS/cm at 25°C)			
Turbidity		Precipitates		Other			
LABORATORY ANALYSIS				Previous chemical analysis available?			
				Date			
Carbonate (CO ₃)				mg/l			
Bicarbonate (HCO ₃)				meq/l			
Chloride (Cl)				% meq/l			
Sulphate (SO ₄)				Date			
Silica (SiO ₂)				Lab. ref. number			
Calcium (Ca)				Bacteriological analysis available?			
Magnesium (Mg)				Date			
Iron in solution (Fe)				Lab. reg. number			
Aluminium (Al)				HARDNESS SCALE (Total hardness as Calcium Carbonate) Soft 0 — 60 mg/l Moderately Hard 61 — 120 Hard 121 — 180 Very hard more than 180			
Potassium (K)							
Sodium (Na)							
Total dissolved solids (TDS)							
Permanent hardness as CaCO ₃				IONIC RATIOS			
Temporary hardness as CaCO ₃				Ca: Mg =			
Alkalinity as CaCO ₃				Cl: total =			
Other				Na: total =			
pH				Na: Cl =			
Specific conductance (µS/cm at 25°C)				SUITABILITY a = no problems, b = doubtful, c = excessive DOMESTIC DRINKING			
Colour							
Turbidity							
% difference in anion and cation meq/l							
Remarks				DOMESTIC HOT WATER CYLINDER			
				Total dissolved solids		Chloride	
				Cl/alkalinity ratio		pH	
				AGRICULTURAL USE			
				Salinity class (C1 — C4)		Value	
				Sodium class (S1 — S4)		Suitability (a, b, or c)	
				Percent Sodium			
				Sodium adsorption ratio			
				Residual sodium carbonate			