

CERTIFICATE OF ANALYSIS

Client : Groenland Water Users Association

Report No : WT2025-01571

Order No/Ref : N/A

Address : Posbus 323 Viljoenshoop Road GRABOUW

Samples : 3

Delivery Date : 17/03/2025

Phone : 0725577308

Department : Water

Contact : Jacques Prins

Email : jacques@groenlandwater.co.za

Lab number:	WT25-03450					
Sampling Date:	14/03/2025					
Sampling Time:						
Sampling temperature upon receipt (°C):	13.9					
Sampling ID:	Eikenhof Dam					
Physical & Aesthetic Determinands	Method ID	Unit	Results	UoM %	Basic Irrigation Limits	Compliance Statement
Electrical Conductivity (Titrand)	3777	mS/m (25°C)	5.5	5.85	Not Applicable	NA
pH (Titrand Method) at 25°C	3777	pH Units	6.5	0.16	≥6.5 to ≤8.4	Complies
Alkalinity as CaCO ₃ (Titrand)	3777	mg/L	5.6		Not Applicable	NA
Langelier Index *	Calc		-4.6		≥-0.5 to ≤0.5	Undersaturated
Saturation pH (pHs) *	Calc	pH Units	11.1		Not Applicable	NA
Sodium Adsorption Ratio (SAR) *	Calc		1.2		Not Applicable	NA
Macro Chemical Determinands	Method ID	Unit	Results	UoM %	Basic Irrigation Limits	Compliance Statement
Chloride (Cl) (FIA) *	6814	mg/L	11.1	2.59	≤100	Complies
Sodium (Na) Dissolved	3132	mg/L	5.4	2.18	≤70	Complies
Calcium (Ca) Dissolved	3132	mg/L	0.50	2.17	Not Applicable	NA
Magnesium (Mg) Dissolved	3132	mg/L	0.63	2.07	Not Applicable	NA
Potassium (K) Dissolved	3132	mg/L	<1.0	4.41	Not Applicable	NA
Sulphur (S) Dissolved	3132	mg/L	<0.50	4.28	Not Applicable	NA
Sulphate (SO ₄) *	Calc	mg/L	<1.5	12.82	Not Applicable	NA
Micro Chemical Determinands	Method ID	Unit	Results	UoM %	Basic Irrigation Limits	Compliance Statement
Boron (B) Total	3132	mg/L	<0.10	3.06	<0.50	Complies
Iron (Fe) Dissolved	3132	mg/L	0.29	4.34	<5 Not toxic to root uptake	Complies
Iron (Fe) Total	3132	mg/L	0.59	4.34	>0.2 Increased risk of drip system clogging	Does not comply
Manganese (Mn) Dissolved	3132	mg/L	<0.05	2.77	≤0.10	Complies
Manganese (Mn) Total	3132	mg/L	<0.05	2.77	≤0.10	Complies

