

**CLIENT :** Lower Sundays River Water User Association  
 PO Box 10  
 Belmont Road  
 Sunland  
 6115

**PROJECT :** Quarterly Water Sampling

**JOB CARD :** TET3309

**DATE SAMPLED :** 01/06/2026

**DATE DELIVERED :** 02/06/2026

**DATE COMPLETED :** 11/06/2026

**DATE REPORTED :** 11/06/2026

**SAMPLED BY :** Geoscience Testing Lab

**DATE TESTED :** 02/06/2026

**ATT :** Mr. C Jonker

**SAMPLING PROCEDURE :** N/A


**SHORT SANS LABORATORY ANALYTICAL REPORT**

Parameter	Units	Method Reference / Method No	Limits SANS 241:2015	SANS 241 RISK CLASS	Sample No:	Sample No:	Sample No:	Sample No:	Sample No:
					WL10895	WL10896	WL10897	WL10898	WL10899
					Sample ID:	Sample ID:	Sample ID:	Sample ID:	Sample ID:
					Ceasars Dam	Ops Manager	Korhaans Dam	Scheepers Vlake	Barkley Bridge
Electrical Conductivity	mS/m	GSF 346S	< 170	Aesthetic	135.80	49.60	47.40	59.10	126.00
pH at 25°C	pH units	GSF 373S	>5.0-<9.7	Operational	8.59	7.98	7.98	8.20	8.00
Turbidity	NTU	GSF 377S	Operational <1	Operational <1	7.39	125.00	192.00	161.00	163.00
			Aesthetic <5	Aesthetic <5					
Colour *	Pt-Co Units	GSF 372S	<15	Aesthetic	<5	<5	<5	<5	<5
Boron	mg/l B	TNT 877	2.4	Chronic Health	0.50	1.10	1.60	0.80	0.80
Sodium *	mg/l Na	SANS 11885	<200	Aesthetic	167.053	43.257	34.609	60.185	159.576
Calcium *	mg/l Ca	SANS 11885	N/A	N/A	27.275	11.485	16.336	17.825	27.120
Magnesium *	mg/l Mg	SANS 11885	N/A	N/A	31.778	12.574	12.832	15.317	27.830
Potassium *	mg/l K	SANS 11885	N/A	N/A	10.745	4.628	7.026	6.754	6.042
Iron *	mg/l Fe	SANS 11885	Chronic Health <2	Chronic Health <2	0.01	0.06	0.49	0.47	0.08
			Aesthetic <0.3	Aesthetic <0.3					
Manganese * (S)	mg/l Mn	SANS 11885	Chronic Health <0.4	Chronic Health <0.4	0.006	0.293	0.291	0.337	0.139
			Aesthetic <0.1	Aesthetic <0.1					
Total Alkalinity	mg/l CaCO3	GSF 368S	N/A	N/A	171.50	156.20	154.00	167.20	189.20
Chloride	mg/l Cl	GSF 354S	<300	Aesthetic	268.14	70.33	50.99	84.40	237.37
Ammonia as N	mg/l NH <sub>3</sub> -N	GSF 372S	<1.5	Aesthetic	<0.4	1.0	0.7	0.7	0.6
Nitrate as N	mg/l NO <sub>2</sub> -N	GSF 372S	<11	Acute Health	1.40	1.20	0.80	3.70	3.80
Nitrite as N	mg/l NO <sub>2</sub> -N	GSF372S	<0.9	Acute Health	0.018	0.061	0.111	<0.002	0.014
Combined Nitrate plus Nitrite *	Ratio	GSF372S	<1.0	Acute Health	0.147	0.177	0.196	0.336	0.361
Fluoride as F	mg/l F	GSF 372S	<1.5	Chronic Health	0.03	<0.02	<0.02	<0.02	<0.02
Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/l SO <sub>4</sub> <sup>2-</sup>	GSF 372S	Acute Health <500	Acute Health <500	96	10	15	13	85
			Aesthetic <250	Aesthetic <250					
Total Dissolved Solids	mg/l TDS	GSF 297S	<1200	Aesthetic	900	283	313	373	680
Copper *	mg/l Cu	SANS 11885	<2	Chronic Health	0.426	0.453	0.475	0.523	0.588
Zinc *	mg/l Zn	SANS 11885	<5	Aesthetic	<0.002	<0.002	<0.002	<0.002	0.015
E. coli *	count/100ml	GSF 282S	N/D	Acute Health	104	ND	134	1044	145
Total Coliforms *	count/100ml	GSF 282S	<10	Operational	425	1	2048	2000	568
Heterotrophic plate count *	count/1ml	GSF 282S	<1000	Operational	>1000	19	425	>1000	310
Total Hardness	mg equiv. CaCO <sub>3</sub> /L	APHA 2340-B	N/A	Operational	196.967	80.458	93.633	107.584	182.323

**Remarks:** 1. The above test results are pertinent only to the samples received and tested at the laboratory. This report shall not be reproduced, except in full, without the prior consent of Geoscience Lab (Pty) Ltd. (\*) = Indicate non-accredited tests. (s) = Subcontracted test. (N/D) = Not Accredited

2. The highlighted result is an interpretation of the direct comparison between the quoted specification and the single test sample results obtained.

3. The results met/not met is based on an approximate 95% level of confidence with reference to ISO/IEC 98-4

Name :  Avwe Nontenja  
 Technical Signatory

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ATT : Christo

SAMPLED BY: Geoscience Testing Lab  
SAMPLING PROCEDURE : N/A


SHORT SANS LABORATORY ANALYTICAL REPORT

Parameter	Units	Method Reference / Method No	Limits SANS 1657:2014	SANS 241 RISK CLASS	Sample No:	Sample No:	Sample No:	Sample No:
					WL10900			
					Sample ID:	Sample ID:	Sample ID:	Sample ID:
					Kirkwood Sonop			
Electrical Conductivity	mS/m	GSF 346S	< 170	Aesthetic	63.40			
pH at 25°C	pH units	GSF 373S	>5.0-<9.7	Operational	7.89			
Turbidity	NTU	GSF 377S	Operational <1	Operational <1	630.00			
			Aesthetic <5	Aesthetic <5				
Colour *	Pt-Co Units	GSF 372S	<15	Aesthetic	<5			
Boron	mg/l B	TNT 877	2.4	Chronic Health	1.300			
Sodium *	mg/l Na	SANS 11885	<200	Aesthetic	49.603			
Calcium *	mg/l Ca	SANS 11885	N/A	N/A	24.303			
Magnesium *	mg/l Mg	SANS 11885	N/A	N/A	18.60			
Potassium *	mg/l K	SANS 11885	N/A	N/A	6.693			
Iron *	mg/l Fe	SANS 11885	Chronic Health <2	Chronic Health <2	0.09			
			Aesthetic <0.3	Aesthetic <0.3				
Manganese * (S)	mg/l Mn	SANS 11885	Chronic Health <0.4	Chronic Health <0.4	0.58			
			Aesthetic <0.1	Aesthetic <0.1				
Total Alkalinity	mg/l CaCO <sub>3</sub>	GSF 368S	N/A	N/A	217.80			
Chloride	mg/l Cl	GSF 354S	<300	Aesthetic	70.33			
Ammonia as N	mg/l NH <sub>3</sub> -N	GSF 372S	<1.5	Aesthetic	1.1			
Nitrate as N	mg/l NO <sub>3</sub> -N	GSF 372S	<11	Acute Health	0.90			
Nitrite as N	mg/l NO <sub>2</sub> -N	GSF372S	<0.9	Acute Health	0.114			
Combined Nitrate plus Nitrite	Ratio	GSF372S	<1.0	Acute Health	0.208			
Flouride as F	mg/l F	GSF 372S	<1.5	Chronic Health	<0.02			
Sulphate as SO <sub>4</sub> <sup>2-</sup>	mg/l SO <sub>4</sub> <sup>2-</sup>	GSF 372S	Acute Health <500	Acute Health <500	20			
			Aesthetic <250	Aesthetic <250				
Suspended Solids @105°C	mg/l	GSF 364S	N/A	N/A	1030			
Chemical Oxygen Demand	mg/l O <sub>2</sub>	GSF 372S	N/A	N/A	141			
Orthophosphate	mg/l PO <sub>4</sub>	GSF 372S	N/A	N/A	2.30			
Total Dissolved Solids @180°C	mg/l	GSF 297S	<1200	Aesthetic	440			
Copper *	mg/l Cu	SANS 11885	<2	Chronic Health	0.482			
Zinc *	mg/l Zn	SANS 11885	<5	Aesthetic	0.021			
E. coli *	count/100ml	GSF 282S	N/D	Acute Health	1100			
Total Coliforms *	count/100ml	GSF 282S	<10	Operational	1768			
Heterotrophic plate count *	count/1ml	GSF 282S	<1000	Operational	672			
Total Hardness	mg equiv. CaCO <sub>3</sub> /L	APHA 2340-B	N/A	Operational	137.267			

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Name :   
Aviwe Nehterja  
Technical Signatory