



TCTA EASTERN BASIN LABORATORY ASSET REGISTER - MARCH 2025

LABORATORY INSTRUMENTS									
NO.	DESCRIPTION	MANUFACTURER	SERIAL NO.	LAB ID CODE	ASSET OWNER	Initial	Current		COMMENT
							New	Old	
1	2100N Turbidimeter	HACH	16020C033938	LAB TM01	TCTA	1	0	1	The meter failed during operation, it has been discontinued by the manufacturer. Unit to be scrapped.
2	2100Q Turbidimeter	HACH	22080D000193		TCTA	0	0	1	Good
3	TB 211 ir Turbidimeter	LOVIBOND			TCTA	0	1	0	Good
4	Top Loader Balance	JADEVER SNUG	15091116Q0133	LAB BT01	TCTA	1	0	1	Fair
5	Analytical Balance	VIBRA	141996049	LAB AB01	TCTA	1	0	1	Fair
6	Jar Tester (6 Place)	VELP SCIENTIFICA	353877	LAB JT01	TCTA	1	0	1	Fair
7	DR 6000 Spectrophotometer	HACH	1603439	LAB SF01	TCTA	1	0	1	Good
8	Oven	LABCON	L34740	LAB OV01	TCTA	1	0	1	Fair
9	HQ14d Conductivity Meter	HACH	160 300 023 457	LAB CP01	TCTA	1	0	1	Fair
10	HQ11d pH Meter	HACH	160 300 023 450		TCTA	1	0	0	Fair
11	HQ11d pH Meter	HACH	180 900 004 566	LAB CT02	TCTA	1	0	1	Fair
12	CDC401 Conductivity Probe	HACH	153 432 587 001	LAB CT01	TCTA	1	0	1	Fair
13	CDC401 Conductivity Probe	HACH	231 302 581 914		TCTA	0	1	0	Good
14	PHC201 pH Probe		190 362 617 964						
15	PHC201 pH Probe	HACH	181 712 618 016		TCTA	3	1	2	Fair
16	PHC201 pH Probe		190 842 617 403						
17	HQ40d Multi-meter	HACH	151 200 019 124		TCTA	1	0	1	Fair
18	LDO101 Standard Dissolved Oxygen Probe	HACH	153 102 598 010		TCTA	1	0	1	Fair
19	LDO105 Rugged Dissolved Oxygen Probe Shrouded		152 822 599 012						
20	LDO105 Rugged Dissolved Oxygen Probe Shrouded	HACH	231 502 599 750		TCTA	1	0	2	Fair
21	Magnetic Stirrer	IKA	100102424	LAB MS02	TCTA	1	0	1	Fair
22	Magnetic Stirrer	LABCON	L34738	LAB MS01	TCTA	1	0	1	Fair
23	Vacuum Pump	DRY VAC	167400-22-AEA251	LAB PV01	TCTA	1	0	1	Good
24	Vacuum Pump	GIC	No Serial Number	LAB PV02	TCTA	0	1	0	Good
25	Drager X-am: Multi gas tester	Drager	ARPA-1441		NAFASI	0	0	1	Good
26	Econopure Demin Water Unit	GIC				0	0	1	Ownership to be confirmed.Fair.
27	Oven	Scientific	09000155324275R01			0	1	0	New, received in September 2024.Good.

*[Signature]*  
28/07/2025

N. S. Matlangwa  
*[Signature]*  
28/07/2025

LABORATORY ONLINE PROBES									
NO	DESCRIPTION	MANUFACTURER	SERIAL NUMBER	LAB CODE	ASSET OWNER	NEW	IN USE	TOTAL	COMMENT
1	PD1R1 pH probe	HACH	(1) 233144316823 (2) 230194309256	N/A	TCTA		0	2	Reactor 2&3 Gypsum Crystallisation. Fair.
2	CPS11E Memosens (pH probe)	E & H	(1) WB085705W00(2) W633F605E00 (3)		TCTA		1	4	Reactor 2&3 Sludge Conditioning, Treated Water&Laboratory. One pH probe is still new. Good condition.
3	Turbimax ( Turbidity probe)	E & H	(1) TC012C05T00 (2) TC012D05T00 (3) W6008205T00		TCTA		1	2	Thickener Overflow 1&2. One is new. Good condition.
4	SolitaX	Hach	(1) 1508C0130607 (2) 1618274		TCTA		0	1	Thickener Overflow 3&Treated Water. Fair.
5	Inductive conductivity sensor	Hach	2503665454		TCTA		0	1	Good.
6	Calibration cap (CUY52)	E & H	TC010005T0		TCTA		0	1	Good.

N. S. MANJANBU  
W. S. Manu

28/07/2025

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LABORATORY EQUIPMENT										
NO	DESCRIPTION	MANUFACTURER	VOLUME (mL)	SERIAL No.	ASSET OWNER	Initial	New	Current	Old	COMMENT
17	Burettes		50		TCTA	1	0	0	1	
			25		TCTA	2	0	0	2	
	DR Shillings Burette		10		TCTA	1	0	0	1	
18	Glass Pipettes		50		TCTA	0	1	1	1	
			25		TCTA	1	0	0	1	
			10		TCTA	1	0	0	1	
			5		TCTA	0	0	0	1	
			2		TCTA	3	0	0	3	
19	Glass Bulb Pipette		1		TCTA	0	0	0	0	
			100		TCTA	1	0	0	1	
			10		TCTA	2	0	0	2	
20	Micro Pipette	Eppendorf	10	K32883H	TCTA	1	0	0	1	
		Eppendorf	5		TCTA	1	0	0	1	
		Eppendorf	1	M17423H	TCTA	1	0	0	1	
			10		TCTA	0	1	1	1	
21	Sterfil aseptic system	Merck	1		TCTA	0	1	1	1	
22	Dessicator	Lasec	250		TCTA	3	1	1	2	
		Xamis	300		TCTA	0	0	0	1	
			150		TCTA	1	0	0	1	
23	Buchner Funnel		125		TCTA	4	4	4	0	
			110		TCTA	2	0	0	1	
24	Plastic Spatula				TCTA	19	9	9	1	
25	Probe holder for ISE	HACH			TCTA	2	0	0	2	
26	Drying rack				TCTA	1	0	0	1	
	Wooden drying rack				NAFASI	0	0	0	2	
27	Imhoff cones		1000		TCTA	4	0	0	4	
28	Imhoff cone stand				TCTA	2	0	0	2	
29	Complete Retort Stand				TCTA	1	2	2	2	
30	HQ meter holder	HACH			TCTA	1	0	0	1	
31	Tong				TCTA	0	0	0	1	
32	Rainfall gauge				TCTA	0	3	3	1	
33	Watch Glass		100		TCTA	0	8	8	10	
34	Stirring bars				TCTA	0	2	2	2	
35	Ritring Rod				TCTA	1	0	0	1	
36	Sample Carriers	NAFASI			NAFASI	0	0	0	3	
37	Forceps				TCTA	5	2	2	3	

N.S. MAMLANBU  
 WOLAM #AL  
 28/07/2025

  
 28/07/2025

LABORATORY EQUIPMENT										
NO	DESCRIPTION	MANUFACTURER	VOLUME (ml)	SERIAL No.	ASSET OWNER	Initial	Current		COMMENT	
							New	Old		
1	Glass Measuring Cylinder - Spouted	Glassco	1000		TCTA	1	5	0		
		Glassco	500		TCTA	3	0	3		
		Glassco	250		TCTA	0	2	1		
		Glassco	100		TCTA	5	6	1		
		Glassco	50		TCTA	6	2	1		
		Glassco	10		TCTA	5	3	1		
2	Plastic Measuring Cylinder - Spouted	Glassco	1000		TCTA	4	0	4		
		Glassco	500		TCTA	4	0	4		
3	Glass Measuring Cylinder - Stoppered	Glassco	500		TCTA	8	0	8		
		Glassco	250		TCTA	0	1	1		
		Glassco	50		TCTA	2	5	3		
4	Volumetric Flask	Glassco	1000		TCTA	4	4	3		
		Glassco	500		TCTA	4	0	4		
		Glassco	200		TCTA	4	0	4		
		Glassco	100		TCTA	15	8	5		
		Glassco	50		TCTA	0	6	1		
5	Plastic Beakers		1000		TCTA	2	0	1		
			500		TCTA	5	0	5		
			250		TCTA	4	0	5		
			100		TCTA	15	0	14		
6	Glass Beakers		250		TCTA	16	4	3		
			100		TCTA	1	0	1		
			2000		TCTA	0	2	2		
			250		TCTA	0	3	1		
8	Round beakers		250		TCTA	1	0	1		
9	Matched sample cells	HACH			TCTA	0	6	8		
10	Erlenmeyer Flask	Glassco	250		TCTA	8	0	1		
		Glassco	100		TCTA	7	0	7		
11	Filtering Flask	Glassco	1000		TCTA	6	3	3		
			250		TCTA	1	0	1		
12	Turbidity vials	HACH	30		TCTA	4	6	4		
13	Plastic Funnels		2000		TCTA	1	0	1		
			100		TCTA	6	0	5		
14	Round Neck Sample Bottles		1000		TCTA	0	20	6		
			500		TCTA	0	6	3		
			250		TCTA	0	6	9		
15	Wash Bottles		500		TCTA	2	2	2		
			250		TCTA	0	2	2		
16	Cylinder Brushes				TCTA	0	2	1		
	Sample Bottle Brushes				TCTA	0	4	1		
	Burette Brushes				TCTA	0	3	1		

N.S. MAMUANBEU  
 28/07/2025

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LABORATORY OFFICE

NO	DESCRIPTION	BRAND	ASSET OWNER	QUANTITY
1.	Desk		TCTA	1
2.	cupboard		TCTA	1
3.	File cabinet		TCTA	1
4.	Chairs		TCTA	3
5.	Desktop	DELL	NAFASI	1
6.	Monitor	DELL	NAFASI	1
7.	Keyboard	DELL	NAFASI	1
8.	Mouse	DELL	NAFASI	1
9.	Fridge	KIC	NAFASI	1

TCTA representative:

Name: N.S MAMLANGU  
 Signature: [Signature]  
 Date: 28/07/2025

Nafasi Water representative:

Name: Beti Mangwani  
 Signature: [Signature]  
 Date: 28/10/2025

