

WEEKLY WATER DASHBOARD

30 January 2023

Headline Statistics

WCWSS DAM STORAGE

62.0

WEEKLY DAM LEVEL CHANGE (%)

-1.70

AVERAGE TOTAL DAILY WATER USE (MLD)

949

Water Resource Status

WATER RESOURCE STATUS	MEANING OF CURRENT STATUS
Early Drought Caution	There is a strong indication of a possible, but not confirmed, drought cycle developing or continuing from the record low rainfall levels between 2015-2017. It is important to continue using water wisely. There is no immediate cause for concern about water security in Cape Town. However, it is the responsible step to take now for Cape Town to collectively aim not to exceed a target of 850 millions of litres per day (MLD) to lower the risk of restrictions at a later stage.

Water Production from Different Sources

MAJOR DAMS (MLD)

927

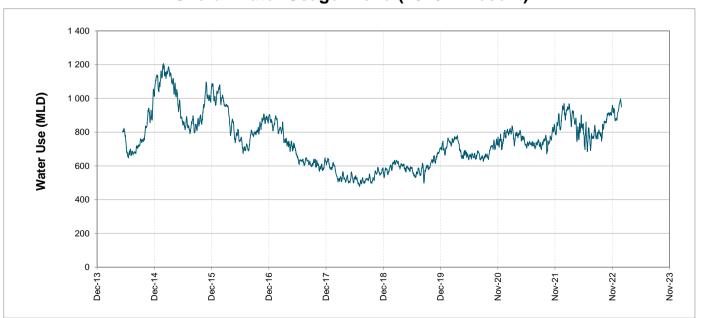
MINOR DAMS (MLD)

19

GROUND WATER AND SPRINGS (MLD)

3

Overal Water Usage Trend (2010 - Present)



WCWSS means Western Cape Water Supply System

MLD means million litres per day

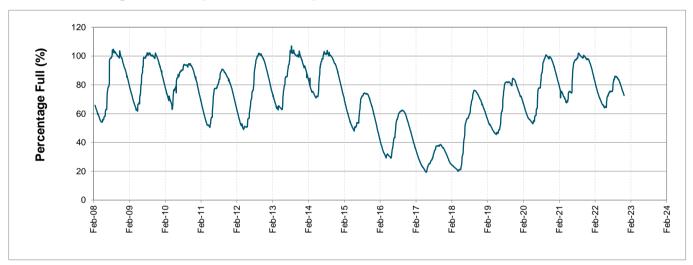
More information on Water Saving and Restrictions is available on the City of Cape Town's 'ThinkWater' website

Water Stored in Major Dams (WCWSS)

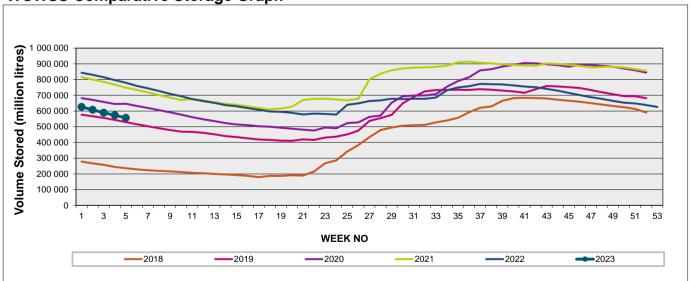
Overall Percentage Full 62.0% Weekly Change -1.7%

	STORAGE						
MAJOR DAMS (WCWSS)	CAPACITY	%	%	%	%	%	%
	MI	30 January 2023	Previous week	2022	2021	2020	2019
BERG RIVER	130 010	79.1	80.6	88.7	84.5	84.8	82.8
STEENBRAS LOWER	33 517	63.0	64.3	81.7	79.4	77.9	59.0
STEENBRAS UPPER	31 767	93.2	94.0	92.5	59.0	99.6	70.3
THEEWATERSKLOOF	480 188	58.3	60.2	88.9	87.2	64.3	46.4
VOËLVLEI	164 095	48.2	49.9	82.8	79.2	72.4	75.2
WEMMERSHOEK	58 644	75.4	77.3	78.0	84.7	72.3	70.3
TOTAL STORED	898 221	556 774	572 586	780 908	753 383	638 139	536 915
% STORAGE		62.0%	63.7%	86.9%	83.9%	71.0%	59.8%

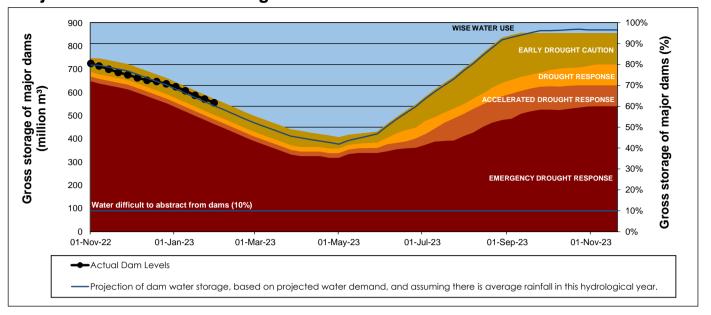
WCWSS Storage Record (2008 - Present)

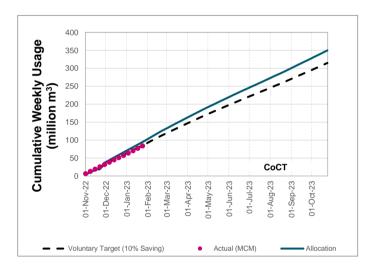


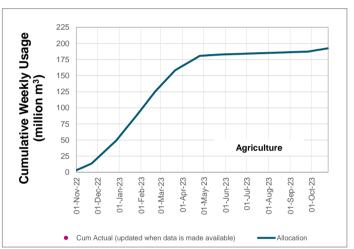
WCWSS Comparative Storage Graph



Projected WCWSS Dam Storage Levels







Water Stored in Minor Dams

Overall Percentage Full 48.4 Weekly Change -1.80

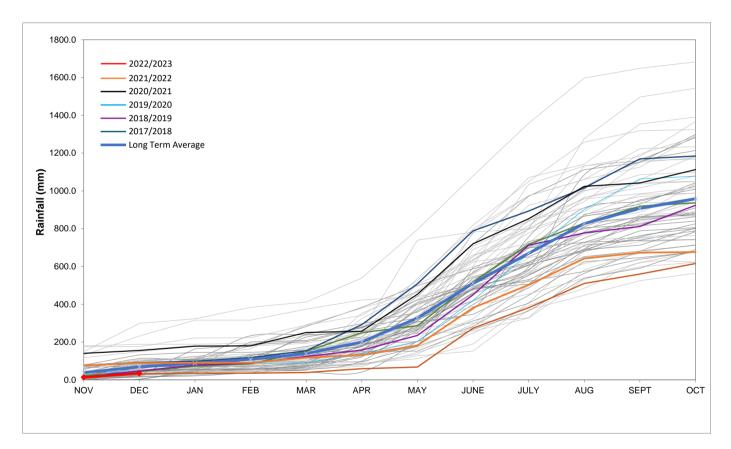
	STORAGE							
MINOR DAMS	CAPACITY %		%	%	%	%	%	
	MI	30 January 2023	Previous week	2022	2021	2020	2019	
ALEXANDRA (Table Mountain)	126	47.3	48.5	72.6	27.1	40.8	40.1	
DE VILLIERS (Table Mountain)	243	81.4	81.2	63.3	51.4	98.1	36.4	
HELY-HUTCHINSON (Table Mount	925	2.2	5.0	42.4	30.5	64.0	97.5	
KLEINPLAATS (Simon's Town)	1 368	37.7	38.2	72.9	74.1	60.3	71.1	
LAND-EN-ZEEZICHT (Helderberg)	451	86.4	86.9	90.0	86.0	78.3	90.7	
LEWIS GAY (Simon's Town)	182	48.8	60.5	76.4	67.7	12.6	19.3	
VICTORIA (Table Mountain)	128	80.6	80.3	57.5	85.8	86.5	82.0	
WOODHEAD (Table Mountain)	954	78.8	81.2	53.7	87.4	65.3	65.3	
Total Stored	4 377	2117.7	2196.6	2730.8	2872.1	2794.8	3158.7	
Percentages stored		48.4	50.2	62.4	65.6	63.9	72.2	

Rainfall Recorded

RAINFALL (mm)	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	28-Jan	29-Jan	Jan	
	23-Jan							Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.3
Brooklands	10.0	2.0		0.0	2.0			16.0	27.7
Newlands	0.0	5.5	0.0	0.0	0.0	0.0	0.0	5.5	37.4
Steenbras	0.0	7.5	0.0	0.0	0.0	0.0	0.0	8.3	29.5
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	10.5	0.0	14.5	52.7
Theewaterskloof		2.9			0.6	3.5		41.0	24.9
Tygerberg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
Voëlvlei		0.1						0.1	13.2
Wemmershoek	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8	20.6
Wynberg		5.6			1.0			6.6	21.2
Notes: *Total/cummulative rainfall for month indicated above									
LT: Long Term									

Accumulated Monthly Rainfall at Wemmershoek

Note: Wemmershoek station used due to long record and mountainous location



Drinking Water Quality

SAMPLE PASS RATE

Month	Water Quality Compliance (%)	Target (%)
Sep-21	99.09	98
Oct-21	99.11	98
Nov-21	99.11	98
Dec-21	99.09	98
Jan-22	99.04	98
Feb-22	99.04	98
Mar-22	98.99	98
Apr-22	98.96	98
May-22	98.90	98
Jun-22	98.96	98
Jul-22	99.46	99
Aug-22	99.47	98.50
Sep-22	99.46	98.50
Oct-22	99.47	98.50
Nov-22	99.45	98.50
Dec-22	99.36	98.50

This table shows CCT drinking water quality compliance according to the South African National Standard 241:2015. Compliance, measured against all prescribed chemical and microbiological components, consistently exceeds the very high CCT target of 98.5%. (Overall compliance percentages of continuous sampling and analysis are released on a monthly basis.