

City of Cape Town: Dam Levels Report

29 July 2019

DAM STORAGE (%)

72.1

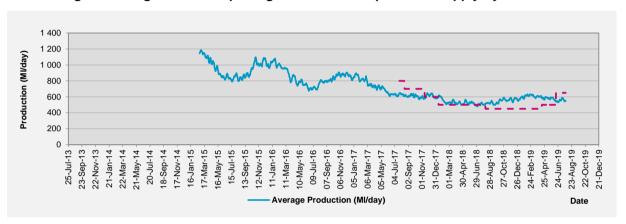
WEEKLY DAM LEVEL CHANGE (%)

AVG DAILY WATER USAGE (FOR THE PAST WEEK)
ALL WATER SOURCES (MI/d)

550
(Target 650MI/d)

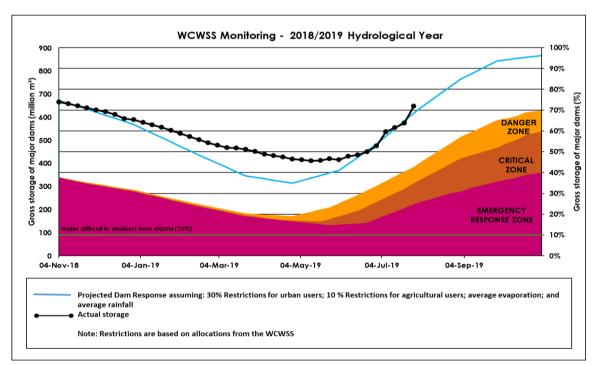
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation. Releases to Agriculture have stopped.

Water Usage from large dams comprising the Western Cape Water Supply System



Western Cape Water Supply System (WCWSS) weekly drought monitoring

This graph depicts total dam storage against potential system risk scenarios.

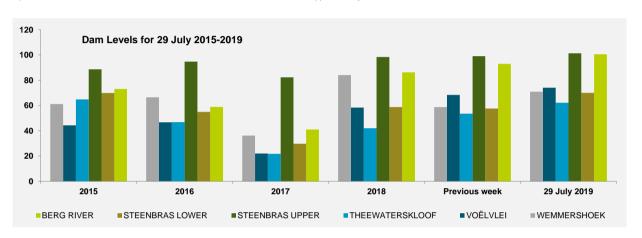


Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

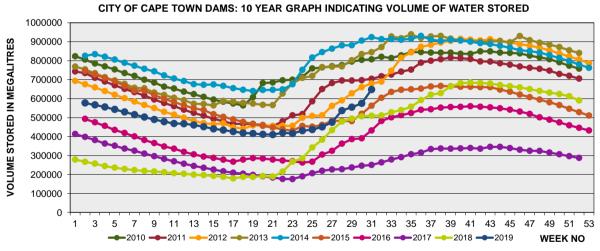
	STORAGE							
MAJOR DAMS	CAPACITY %		%	%	% %	%	%	
	MI	29 July 2019	Previous week	2018	2017	2016	2015	
BERG RIVER	130 010	100.5	92.9	86.3	41.0	58.9	73.1	
STEENBRAS LOWER	33 517	70.0	57.6	58.7	29.8	54.9	69.9	
STEENBRAS UPPER	31 767	101.4	99.0	98.4	82.3	94.7	88.7	
THEEWATERSKLOOF	480 188	62.1	53.6	42.0	21.7	46.8	64.8	
VOËLVLEI	164 095	74.1	68.4	58.4	21.9	46.7	44.3	
WEMMERSHOEK	58 644	71.0	58.7	84.1	36.2	66.4	61.1	
TOTAL STORED	898 221	647 900	575 337	509 881	250 778	465 331	566 510	
% STORAGE		72.1	64.1	56.8	27.9	51.8	63.1	

NOTES:

- 1) Capacity of the major dams of the Western Cape Water Supply System is 99.6% and that of the minor dams 0.4% of the combined capacity of the major and minor dams. Kindly note that all the Major Dams show gross capacity.
- 2) All figures are for 29 July for each year except for those in the second column, which gives the figures for the previous week of this year.
- 3) The last 10% of a dam's water is difficult to use, the useable water in the dam is approximately 10% less than the dam level.



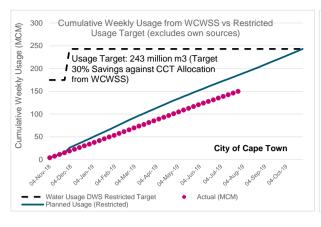
Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)

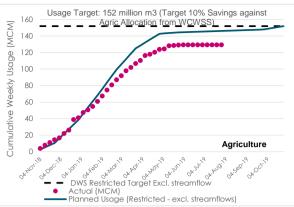


Water stored in minor dams within Cape Town

	STORAGE							
MINOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	29 July 2019	Previous week	2018	2017	2016	2015	
ALEXANDRA (Table Mountain)	126	38.0	33.4	78.0	58.3	46.1	31.1	
DE VILLIERS (Table Mountain)	243	100.0	100.0	94.6	66.6	101.0	81.7	
HELY-HUTCHINSON (Table Mountain)	925	100.5	100.0	99.3	99.8	102.4	100.0	
KLEINPLAATS (Simon's Town)	1 368	62.7	58.6	78.1	41.2	72.0	48.7	
LAND-EN-ZEEZICHT (Helderberg)	451	81.0	81.7	100.0	62.9	40.0	0.0	
LEWIS GAY (Simon's Town)	182	64.0	43.6	71.5	90.9	64.0	100.9	
VICTORIA (Table Mountain)	128	90.8	79.6	95.0	100.4	67.3	62.2	
WOODHEAD (Table Mountain)	954	100.3	81.0	63.7	99.1	101.2	90.5	

Water usage from large dams comprising the Western Cape Water Supply System





CCT AVG DAILY PRODUCTION WCWSS LARGE DAMS ONLY (MI/d)

The above graph tracks City of Cape Town (CCT) water usage against the Department of Water and Sanitation (DWS) restriction requirement against our unrestricted demand (or past usage). Restriction targets have changed as

Water Quality Sample Pass Rate

Month	Water Quality Compliance (%)	Target (%)
Jun-18	99.07	98
Jul-18	99.12	98
Aug-18	99.07	98
Sep-18	99.08	98
Oct-18	99.05	98
Nov-18	98.99	98
Dec-18	99.00	98
Jan-19	99.00	98
Feb-19	99.05	98
Mar-19	99.01	98
Apr-19	99.10	98
May-19	99.08	98
Jun-19	99.09	98

Notes

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%. (Overall compliance percentages of continuous sampling and analysis are released on a monthly basis. The latest available is for December).

Rainfall

RAINFALL (mm)	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	Jul	
								Total*	LT Average
Blackheath Upper	4.6	16.0	0.2	0.1	0.0	0.0	0.0	63.9	78.1
Brooklands	16.0	7.0	2.0	7.0				114.0	138.2
Newlands	40.0	37.5	4.0	23.0	0.0	0.0	0.0	390.8	263.2
Steenbras	12.5	6.9	0.1	6.4				67.6	131.1
Table Mountain (Woodhead)	30.0	8.0	3.0	26.0	0.0	0.0		241.0	224.8
Theewaterskloof	18.0	37.0						76.1	55.3
Tygerberg	12.3	21.8	0.0	2.0	0.0	0.0	0.0	69.1	72.3
Voëlvlei	0.8	47.0						72.7	84.6
Wemmershoek	61.7	31.6	2.8	1.0	0.0	0.0	0.0	191.7	144.4
Wynberg	61.0	35.0	3.1	3.1				219.9	191.4
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Notes: *Total/cumulative rainfall for month indicated above LT: Long Term									