

City of Cape Town: Dam Levels Report

15 April 2019

DAM STORAGE (%)

48.4

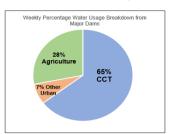
WEEKLY DAM LEVEL CHANGE (%)

decrease since last week

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

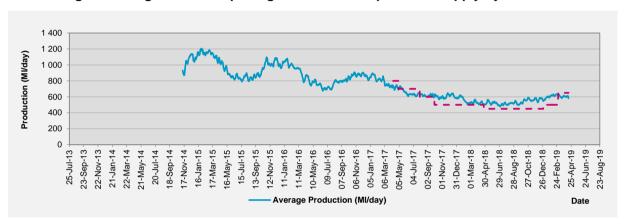
582

(Target 650MI/d)



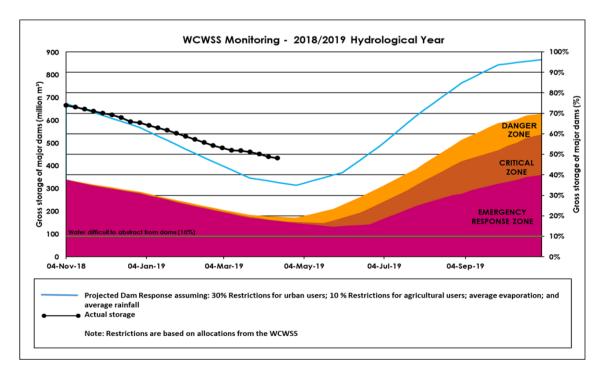
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation.

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.

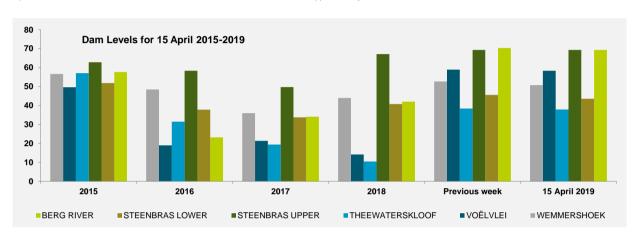


Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

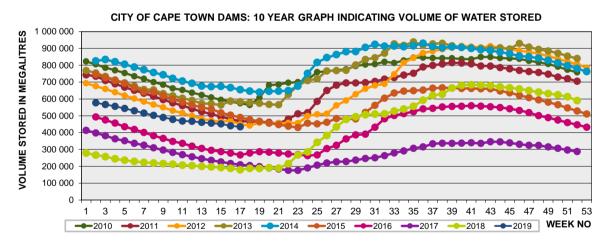
		STORAGE							
MAJOR DAMS	CAPACITY	CAPACITY %		%	%	%	%		
	MI	15 April 2019	Previous week	2018	2017	2016	2015		
BERG RIVER	130 010	69.3	70.3	42.0	34.1	23.2	57.6		
STEENBRAS LOWER	33 517	43.6	45.5	40.8	33.7	37.8	51.8		
STEENBRAS UPPER	31 767	69.3	69.3	67.1	49.7	58.4	62.8		
THEEWATERSKLOOF	480 188	37.9	38.4	10.4	19.4	31.4	57.1		
VOËLVLEI	164 095	58.4	58.9	14.2	21.3	19.0	49.6		
WEMMERSHOEK	58 644	50.8	52.7	44.0	35.9	48.5	56.7		
TOTAL STORED	898 221	434 486	440 625	188 770	220 700	271 856	500 888		
% STORAGE		48.4	49.1	21.0	24.6	30.3	55.8		

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 15 April 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.



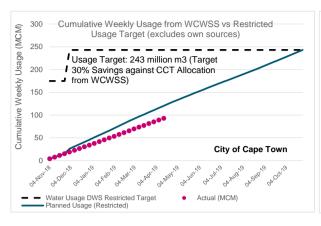
Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)

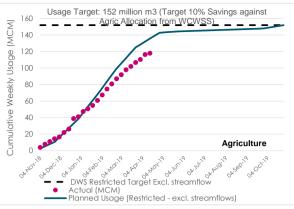


Water stored in minor dams within Cape Town

	STORAGE							
MINOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	15 April 2019	Previous week	2018	2017	2016	2015	
ALEXANDRA (Table Mountain)	126	0.0	0.0	55.8	32.0	33.8	7.4	
DE VILLIERS (Table Mountain)	243	60.2	60.2	57.3	46.3	53.1	45.2	
HELY-HUTCHINSON (Table Mountain)	925	0.0	7.6	76.8	98.1	63.4	0.0	
KLEINPLAATS (Simon's Town)	1 368	46.9	47.4	40.6	43.6	32.6	27.3	
LAND-EN-ZEEZICHT (Helderberg)	451	95.9	96.2	91.3	80.4	12.3	0.0	
LEWIS GAY (Simon's Town)	182	0.0	0.0	57.7	14.3	1.5	71.5	
VICTORIA (Table Mountain)	128	0.0	0.0	47.7	73.7	48.5	0.0	
WOODHEAD (Table Mountain)	954	62.1	63.3	58.6	78.1	82.4	50.4	

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 (%)
Dec-17	99.44	98
Jan-18	99.43	98
Feb-18	99.38	98
Mar-18	99.38	98
Apr-18	99.26	98
May-18	99.20	98
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

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)	08-Apr	09-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Apr	
								Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	3.0	4.0	7.0	0.0
Brooklands						7.0	1.0	19.0	0.0
Newlands	0.0	0.0	0.0	0.0	0.0	7.0	3.5	26.5	0.0
Steenbras						8.6	3.5	17.4	0.0
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	14.5		41.5	0.0
Theewaterskloof							6.7	7.7	0.0
Tygerberg	0.0	0.0	0.0	0.0	0.0	6.0	1.8	12.8	0.0
Voëlvlei						2.0	11.0	17.4	0.0
Wemmershoek	0.0	0.0	0.0	0.0	0.0	4.8	10.0	17.5	0.0
Wynberg						3.0	2.4	9.4	0.0
	Not	: *T-4-1/-		: f = 11 f =					
Notes: *Total/cumulative rainfall for month indicated above LT: Long Term									