

## **City of Cape Town: Dam Levels Report**

11 February 2019

57.4

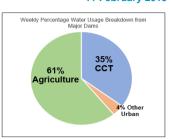
WEEKLY DAM LEVEL CHANGE (%)

-1.6 

decrease since last week

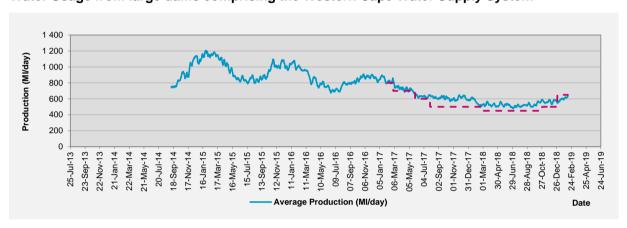
AVG DAILY WATER USAGE (FOR THE PAST WEEK)
ALL WATER SOURCES (MI/d)

(Target 650MI/d)



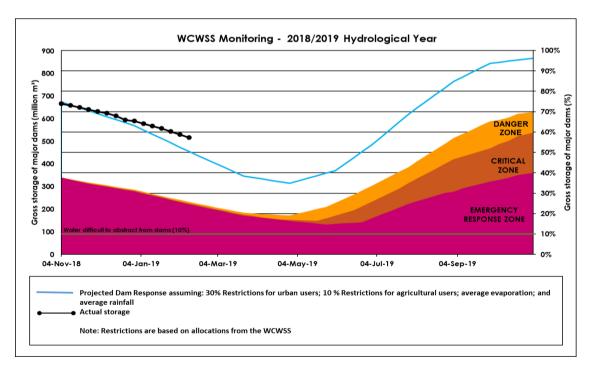
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation.

#### 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.

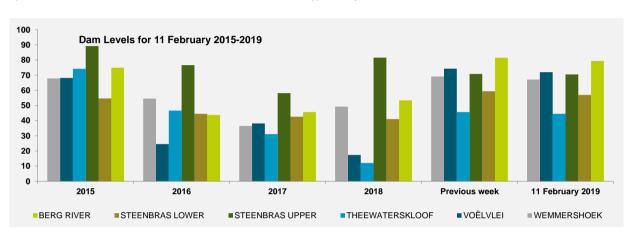


#### Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

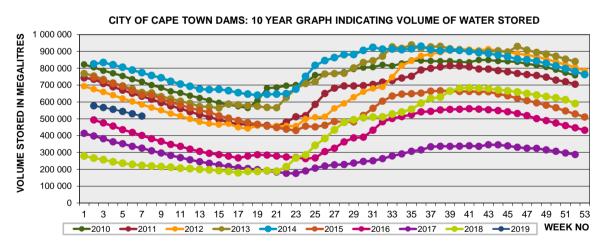
	STORAGE							
MAJOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	11 February 2019	Previous week	2018	2017	2016	2015	
BERG RIVER	130 010	79.3	81.5	53.4	45.7	43.7	74.9	
STEENBRAS LOWER	33 517	57.0	59.4	41.1	42.6	44.5	54.6	
STEENBRAS UPPER	31 767	70.5	70.8	81.6	58.1	76.6	89.1	
THEEWATERSKLOOF	480 188	44.5	45.6	12.1	31.1	46.7	74.2	
VOËLVLEI	164 095	72.0	74.3	17.3	38.2	24.6	68.1	
WEMMERSHOEK	58 644	67.1	69.1	49.2	36.5	54.6	67.9	
TOTAL STORED	898 221	515 814	529 967	224 552	325 278	392 633	651 839	
% STORAGE		57.4	59.0	25.0	36.2	43.7	72.6	

#### 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 11 February 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.



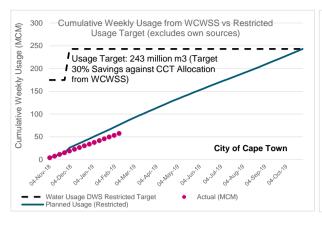
# Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)

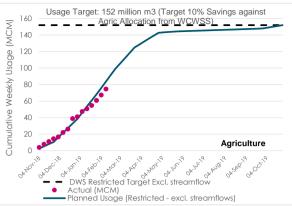


#### Water stored in minor dams within Cape Town

	STORAGE							
MINOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	11 February 2019	Previous week	2018	2017	2016	2015	
ALEXANDRA (Table Mountain)	126	23.6	24.4	37.8	32.5	44.4	34.8	
DE VILLIERS (Table Mountain)	243	52.3	47.4	77.9	59.8	71.1	48.5	
HELY-HUTCHINSON (Table Mountain)	925	95.9	97.5	96.6	97.3	87.6	12.3	
KLEINPLAATS (Simon's Town)	1 368	68.2	70.2	47.3	52.9	47.2	32.8	
LAND-EN-ZEEZICHT (Helderberg)	451	92.2	91.3	95.7	84.4	17.5	0.0	
LEWIS GAY (Simon's Town)	182	3.1	14.1	94.5	61.1	28.0	77.7	
VICTORIA (Table Mountain)	128	63.0	78.6	85.4	84.4	54.7	75.3	
WOODHEAD (Table Mountain)	954	44.9	56.8	89.2	98.4	64.3	77.6	

### 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)	04-Feb	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb	Feb	
								Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	14.1
Brooklands		0.0						17.0	22.5
Newlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1
Steenbras		0.0					0.5	35.0	24.3
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	0.0		10.6	49.5
Theewaterskloof		0.0				4.5	1.4	5.9	22.0
Tygerberg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.7
Voëlvlei		0.0						3.4	14.4
Wemmershoek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	14.0
Wynberg		0.0						0.0	22.4
	Net	ee. *Tetal/e	umulativa ra	infall for m	anth indicate	ad abaya			
Notes: *Total/cumulative rainfall for month indicated above LT: Long Term									