



# City of Cape Town: Dam Levels Report

13 January 2020

DAM STORAGE (%)

**73.2**

WEEKLY DAM LEVEL CHANGE (%)

**-1.5↓**

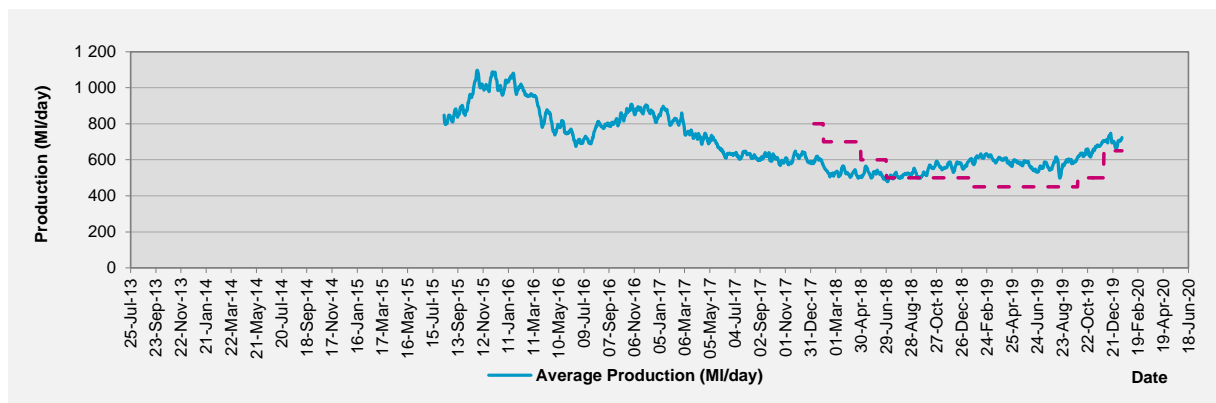
AVG DAILY WATER USAGE  
(FOR THE PAST WEEK)  
ALL WATER SOURCES (ML/d)

**724**

(Target 650ML/d)

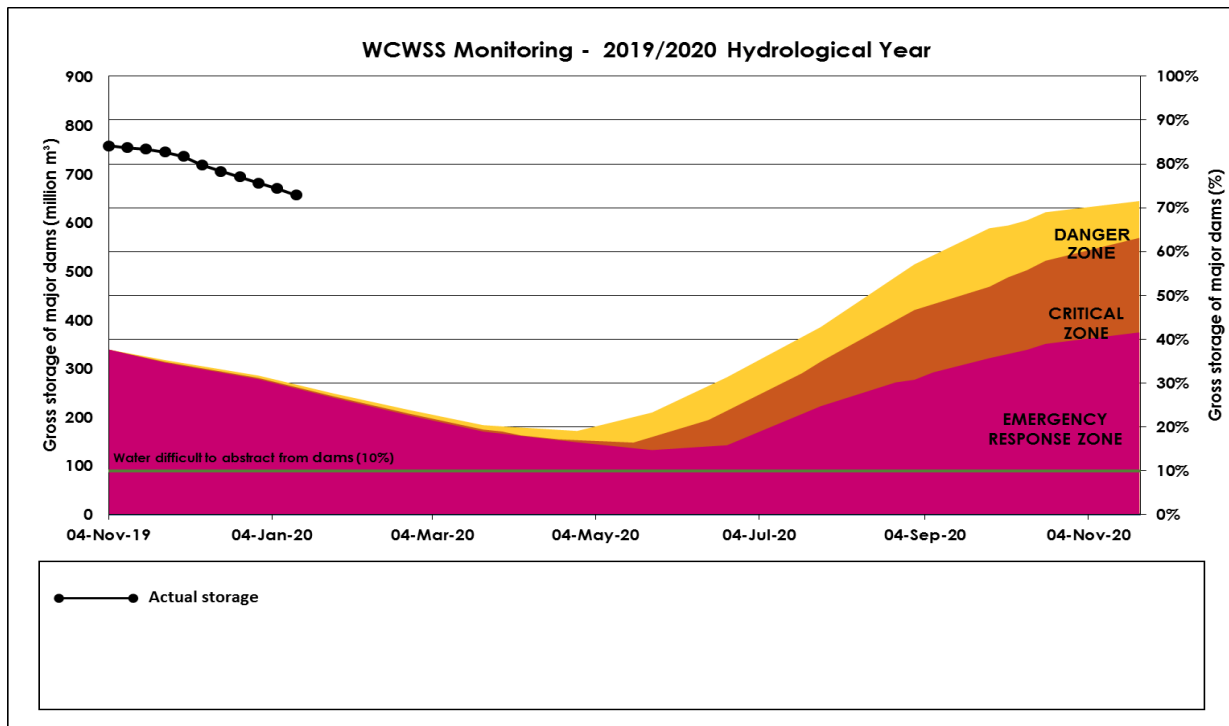
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation. Releases to Agriculture have stopped.

## 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.

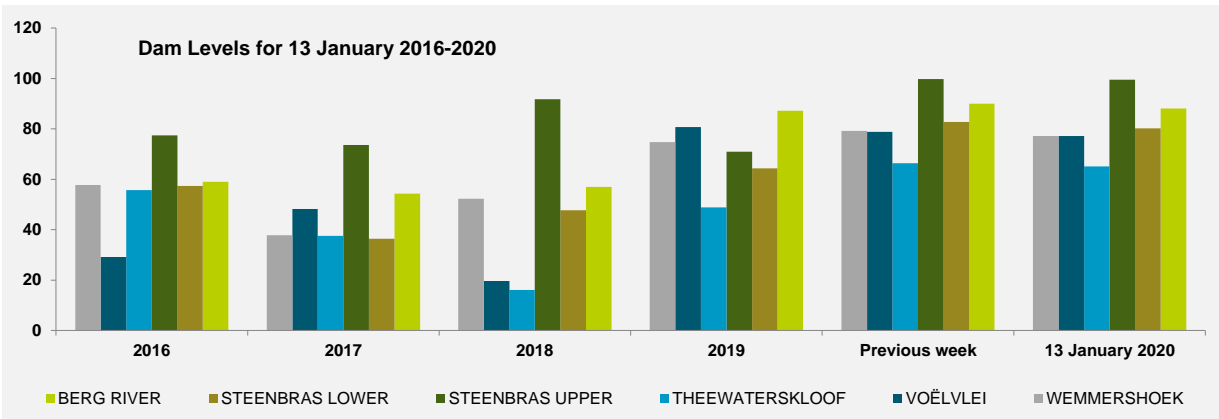


## Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

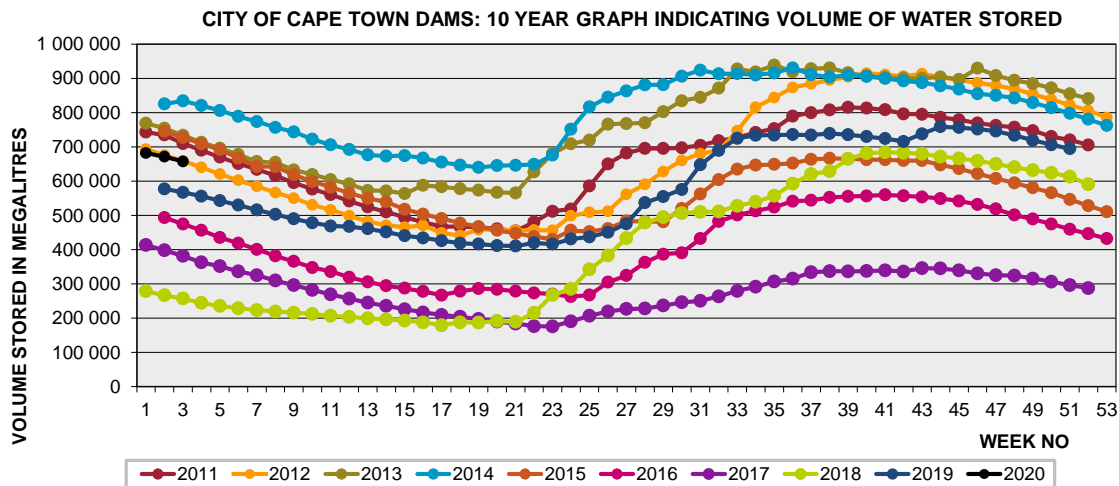
MAJOR DAMS	STORAGE						
	CAPACITY	%	%	%	%	%	%
	MI	13 January 2020	Previous week	2019	2018	2017	2016
BERG RIVER	130 010	88.1	90.0	87.2	57.0	54.3	59.0
STEENBRAS LOWER	33 517	80.2	82.7	64.4	47.7	36.4	57.3
STEENBRAS UPPER	31 767	99.5	99.7	70.9	91.7	73.7	77.5
THEEWATERSKLOOF	480 188	65.1	66.4	48.9	16.1	37.6	55.8
VOËLVLEI	164 095	77.1	78.8	80.7	19.7	48.2	29.1
WEMMERSHOEK	58 644	77.2	79.2	74.7	52.3	37.8	57.7
<b>TOTAL STORED</b>	<b>898 221</b>	<b>657 373</b>	<b>671 122</b>	<b>568 377</b>	<b>259 721</b>	<b>388 022</b>	<b>470 010</b>
<b>% STORAGE</b>		<b>73.2</b>	<b>74.7</b>	<b>63.3</b>	<b>28.9</b>	<b>43.2</b>	<b>52.3</b>

### NOTES:

- 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.
- All figures are for 13 January for each year except for those in the second column, which gives the figures for the previous week of this year.
- 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.
- Kindly note that when Steenbras Upper spills, it spills into Steenbras lower



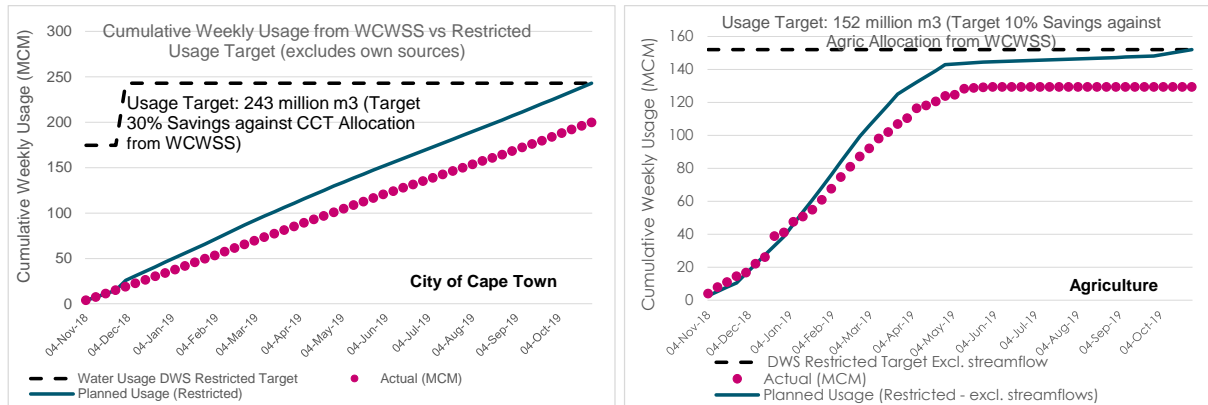
## Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)



## Water stored in minor dams within Cape Town

MINOR DAMS	STORAGE						
	CAPACITY	%	%	%	%	%	%
	MI	13 January 2020	Previous week	2019	2018	2017	2016
ALEXANDRA (Table Mountain)	126	44.7	46.6	47.6	44.8	32.9	53.8
DE VILLIERS (Table Mountain)	243	99.3	98.8	42.2	80.1	65.7	71.7
HELTY-HUTCHINSON (Table Mountain)	925	64.7	67.0	98.6	99.8	97.3	96.9
KLEINPLAATS (Simon's Town)	1 368	67.8	70.9	75.2	52.6	58.7	53.5
LAND-EN-ZEEZICHT (Helderberg)	451	85.3	86.2	97.5	100.0	84.7	37.0
LEWIS GAY (Simon's Town)	182	16.5	18.8	42.5	97.2	50.7	62.0
VICTORIA (Table Mountain)	128	90.0	91.2	84.7	92.7	88.9	59.3
WOODHEAD (Table Mountain)	954	73.1	80.2	78.1	94.0	98.1	63.7

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



\*Above Graphs need to be updated for the 2019/20 Hydrological Year.

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

**681**

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). CCT has been restricted at 30% against the WCWSS approved allocation to the CCT.

## Water Quality Sample Pass Rate

Month	Water Quality Compliance (%)	Target (%)
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
Jul-19	99.04	98
Aug-19	99.02	98
Sep-19	98.99	98
Oct-19	99.03	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)	06-Jan	07-Jan	08-Jan	09-Jan	10-Jan	11-Jan	12-Jan	Jan	
								Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	#N/A
Brooklands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	#N/A
Newlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	#N/A
Steenbras	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	#N/A
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	#N/A
Theewaterskloof	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	#N/A
Tygerberg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	#N/A
Voëlviel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	#N/A
Wemmershoek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	#N/A
Wynberg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	#N/A

Notes: \*Total/cumulative rainfall for month indicated above  
LT: Long Term