

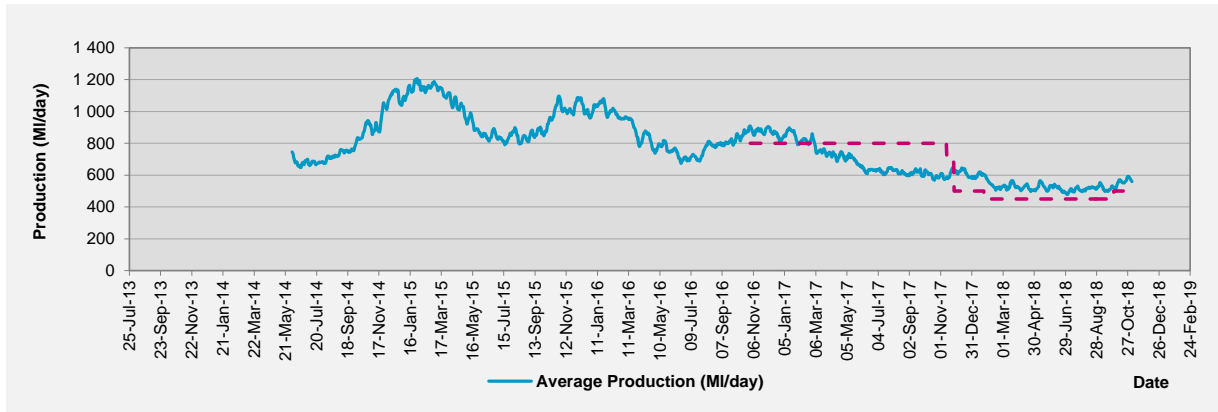


# City of Cape Town: Dam Levels Report

05 November 2018

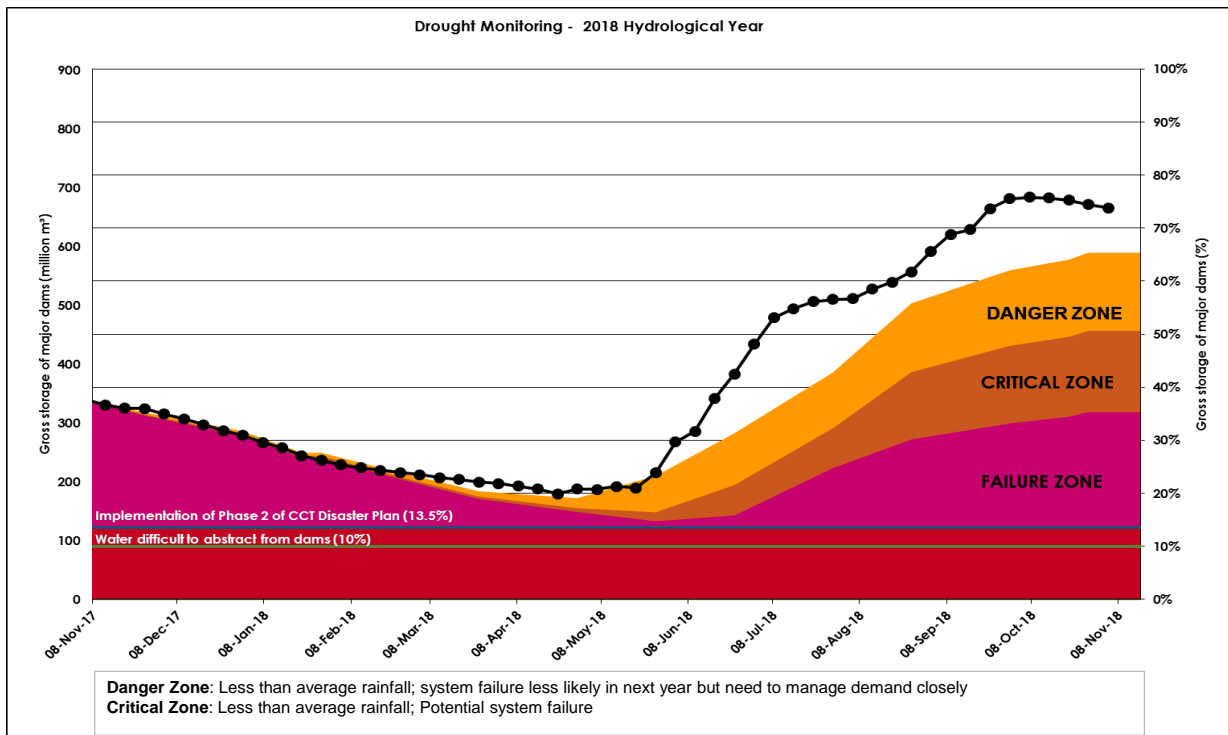
<p><b>DAM STORAGE (%)</b></p> <h1 style="color: red;">74.1</h1>	<p><b>WEEKLY DAM LEVEL CHANGE (%)</b></p> <h1 style="color: red;">-0.6 ↓</h1> <p>decrease since last week</p>	<p><b>AVG DAILY WATER USAGE (FOR THE PAST WEEK) ALL WATER SOURCES (M/d)</b></p> <h1 style="color: red;">559</h1> <p>(Target 500M/d)</p>
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## 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. The previous graph monitored the dam level draw down against the 2017 rainfall conditions under different restriction levels.



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

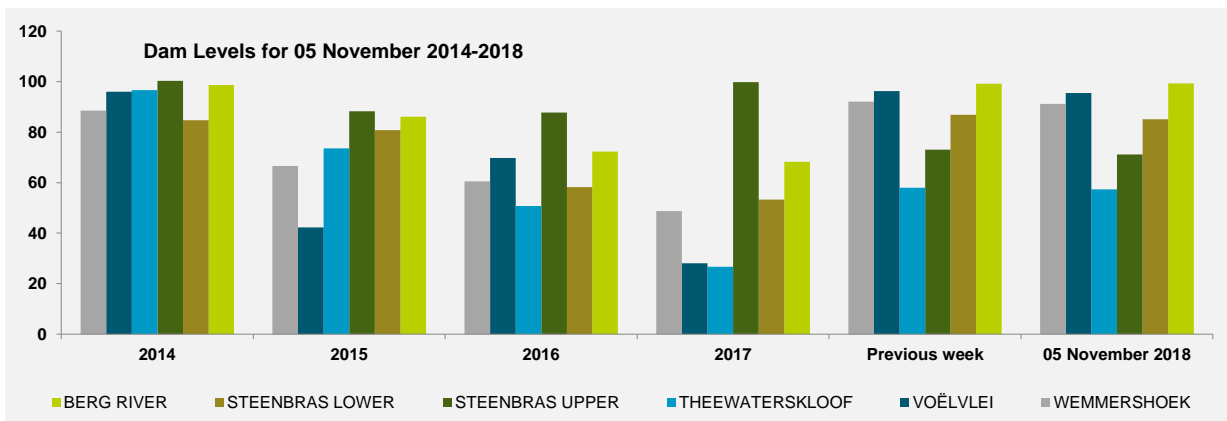
MAJOR DAMS	STORAGE						
	CAPACITY	%		%		%	
	MI	05 November 2018	Previous week	2017	2016	2015	2014
BERG RIVER	130 010	99.3	99.2	68.2	72.3	86.1	98.6
STEENBRAS LOWER	33 517	85.1	86.9	53.3	58.2	80.8	84.7
STEENBRAS UPPER	31 767	71.2	73.0	99.7	87.7	88.3	100.3
THEEWATERSKLOOF	480 188	57.4	58.0	26.6	50.8	73.6	96.6
VOËLVLEI	164 095	95.5	96.2	28.0	69.7	42.3	96.0
WEMMERSHOEK	58 644	91.2	92.1	48.8	60.5	66.6	88.5
<b>TOTAL STORED</b>	<b>898 221</b>	<b>665 784</b>	<b>671 535</b>	<b>340 635</b>	<b>535 079</b>	<b>628 844</b>	<b>862 022</b>
<b>% STORAGE</b>		<b>74.1</b>	<b>74.8</b>	<b>37.9</b>	<b>59.6</b>	<b>70.0</b>	<b>96.0</b>

### NOTES:

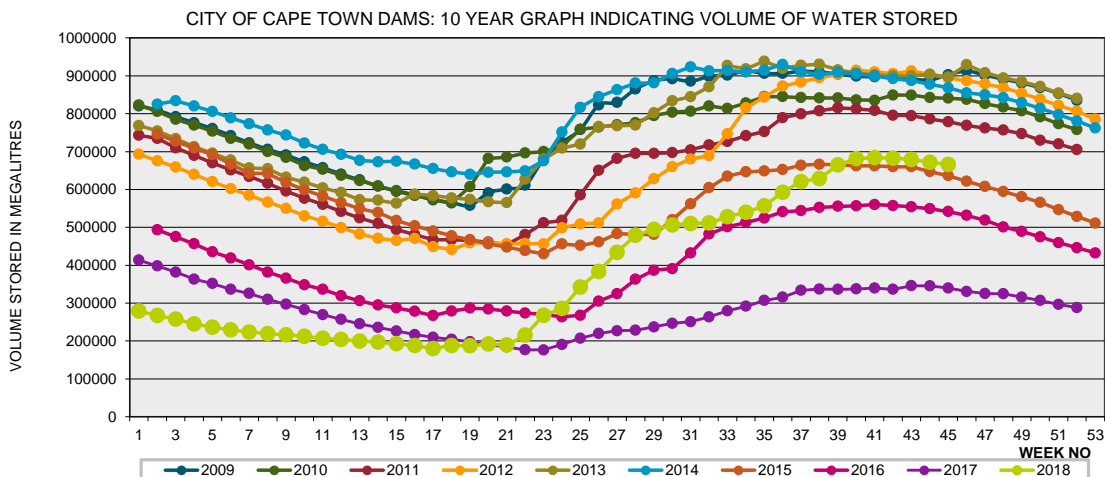
1) Capacity of the major dams of the Western Cape Water Supply System is 99.6% and that of the minor dams 0.4% of the combined capacity of the major and minor dams. Kindly note that all the Major Dams show gross capacity.

2) All figures are for 05 November 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.



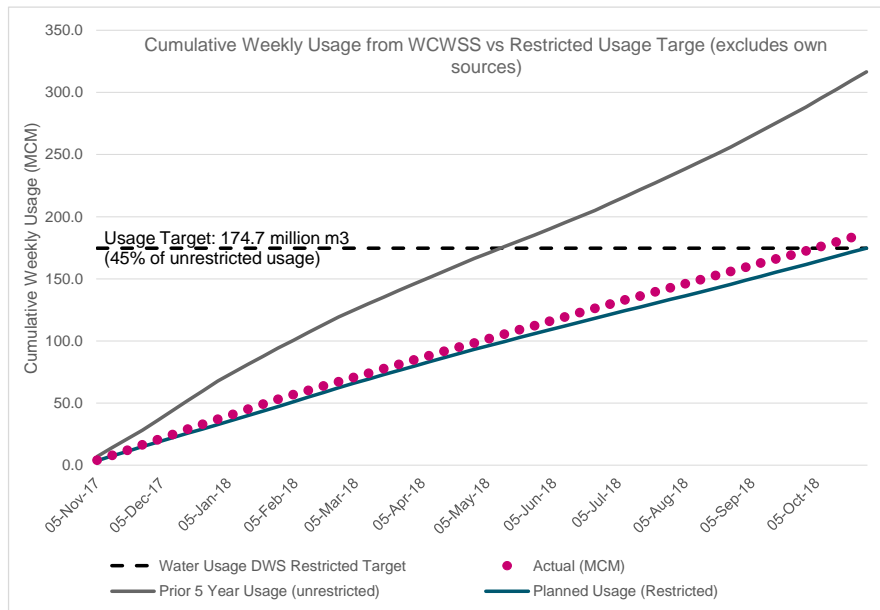
## Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)



## Water stored in minor dams within Cape Town

MINOR DAMS	STORAGE						
	CAPACITY	%		%		%	
	MI	05 November 2018	Previous week	2017	2016	2015	2014
ALEXANDRA (Table Mountain)	126	73.0	76.7	67.1	38.0	35.6	63.4
DE VILLIERS (Table Mountain)	243	86.2	90.4	94.1	87.6	81.6	65.8
HEL-Y-HUTCHINSON (Table Mountain)	925	97.5	97.8	100.2	99.2	100.0	48.4
KLEINPLAATS (Simon's Town)	1 368	94.7	96.7	66.8	84.2	83.2	81.2
LAND-EN-ZEEZICHT (Helderberg)	451	98.8	99.8	100.0	73.0	64.4	0.0
LEWIS GAY (Simon's Town)	182	81.4	86.0	83.9	72.3	92.6	70.8
VICTORIA (Table Mountain)	128	94.3	96.2	101.2	99.6	100.8	95.4
WOODHEAD (Table Mountain)	954	67.3	67.3	90.4	99.6	66.8	65.4

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



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

**534**

Current % Savings

**41%**

(Target = 45%)

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).

## Water Quality Sample Pass Rate

Month	Water Quality Compliance (%)	Target (%)
Sep-17	99.57	98
Oct-17	99.57	98
Nov-17	99.49	98
Dec-17	99.44	98
Jan-18	99.43	98
Feb-18	99.38	98
Mar-18	99.38	98
Apr-17	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

### 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 September).

## Rainfall

RAINFALL (mm)	29-Oct	30-Oct	31-Oct	01-Nov	02-Nov	03-Nov	04-Nov	Nov	
								Total*	LT Average
Blackheath Upper	1.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	24.9
Brooklands	6.0	2.0	0.0	0.0	0.0	0.0	9.0	9.0	53.8
Newlands	11.8	2.0	0.0	0.0	0.0	0.0	8.0	8.0	67.3
Steenbras	8.7	2.0	0.0	0.0	0.0	0.0	6.5	6.5	46.2
Table Mountain (Woodhead)	14.5	0.8	0.0	0.0	0.0	0.0		0.0	73.9
Theewaterskloof	11.1	0.0	0.0	0.0	0.0	0.0	2.0	2.0	36.8
Tygerberg	4.0	3.7	0.0	0.0	0.0	0.0	5.3	5.3	20.6
Voëlvlei	5.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	25.7
Wemmershoek	14.8	0.0	0.0	0.0	0.0	0.0	12.8	12.8	38.1
Wynberg	17.0	3.5	0.0	0.0	0.0	0.0	7.0	7.0	38.4

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