

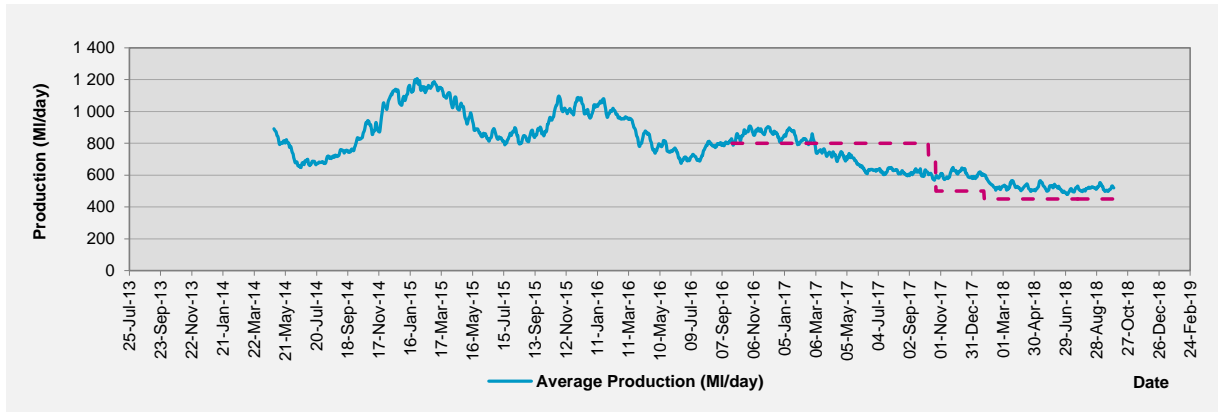


# City of Cape Town: Dam Levels Report

01 October 2018

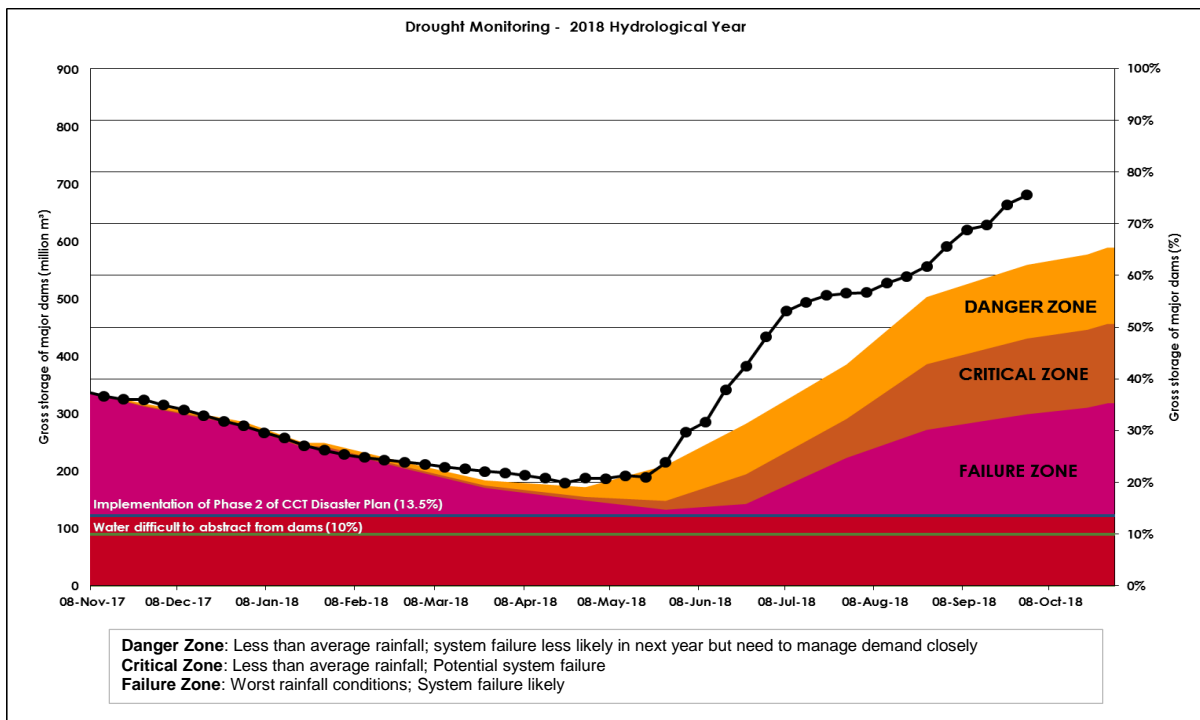
<p><b>DAM STORAGE (%)</b></p> <p><b>75.9</b></p>	<p><b>WEEKLY DAM LEVEL CHANGE (%)</b></p> <p><b>1.9 ↑</b></p> <p>increase since last week</p>	<p><b>AVG DAILY WATER USAGE (FOR THE PAST WEEK) ALL WATER SOURCES (Ml/d)</b></p> <p><b>520</b></p> <p>(Target 450Ml/d)</p>
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## 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)

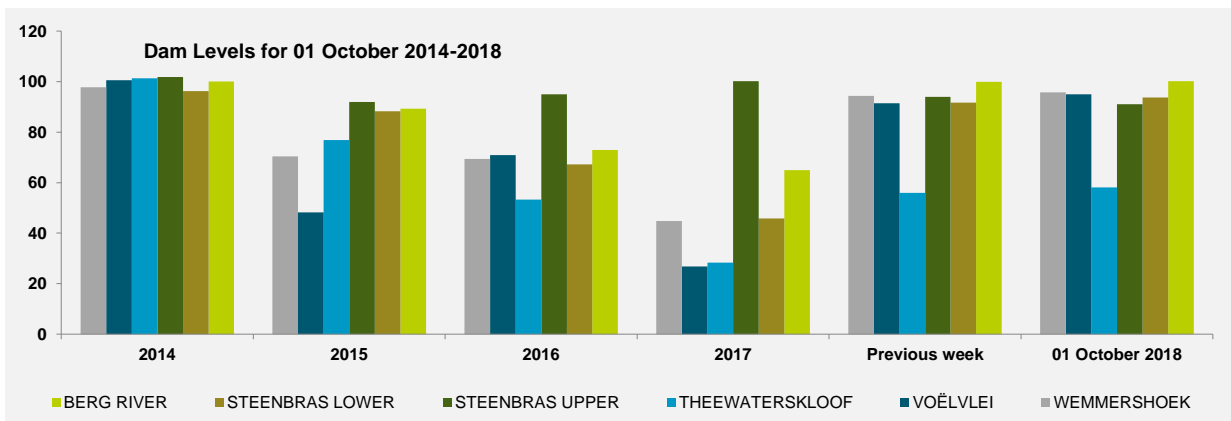
MAJOR DAMS	STORAGE								
	CAPACITY MI	%		%		%		%	
		01 October 2018	Previous week	2017	2016	2015	2014		
BERG RIVER	130 010	100.1	99.9	65.0	72.9	89.3	100.0		
STEENBRAS LOWER	33 517	93.8	91.7	45.9	67.3	88.2	96.3		
STEENBRAS UPPER	31 767	91.1	94.0	100.2	94.9	92.0	101.9		
THEEWATERSKLOOF	480 188	58.0	56.0	28.3	53.3	76.8	101.3		
VOËLVLEI	164 095	95.0	91.4	26.8	70.9	48.2	100.6		
WEMMERSHOEK	58 644	95.8	94.4	44.8	69.4	70.4	97.8		
<b>TOTAL STORED</b>	<b>898 221</b>	<b>681 360</b>	<b>664 614</b>	<b>337 828</b>	<b>560 536</b>	<b>663 984</b>	<b>903 396</b>		
<b>% STORAGE</b>		<b>75.9</b>	<b>74.0</b>	<b>37.6</b>	<b>62.4</b>	<b>73.9</b>	<b>100.6</b>		

### NOTES:

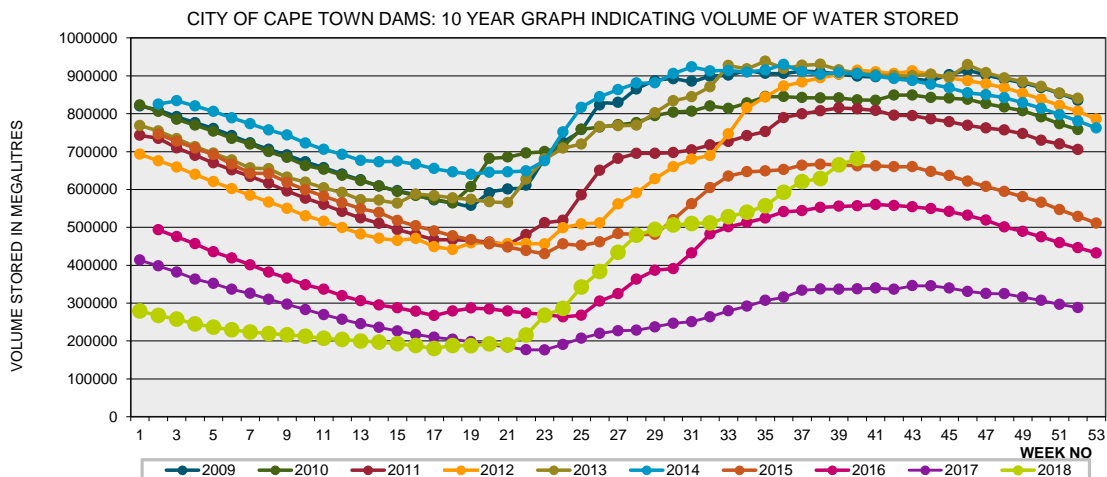
1) Capacity of the major dams of the Western Cape Water Supply System is 99.6% and that of the minor dams 0.4% of the combined capacity of the major and minor dams. Kindly note that all the Major Dams show gross capacity.

2) All figures are for 01 October 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.



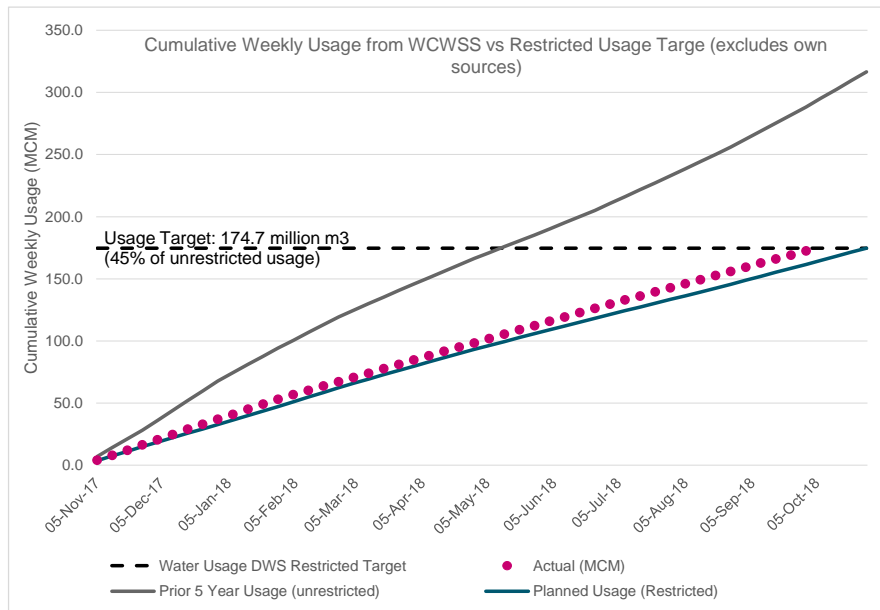
## Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)



## Water stored in minor dams within Cape Town

MINOR DAMS	STORAGE								
	CAPACITY MI	%		%		%		%	
		01 October 2018	Previous week	2017	2016	2015	2014		
ALEXANDRA (Table Mountain)	126	100.0	98.7	75.5	43.5	34.5	80.1		
DE VILLIERS (Table Mountain)	243	99.8	100.2	92.3	94.0	93.2	90.3		
HEL-Y-HUTCHINSON (Table Mountain)	925	99.8	99.7	99.7	100.0	101.2	99.8		
KLEINPLAATS (Simon's Town)	1 368	99.6	99.6	68.5	98.0	84.6	95.8		
LAND-EN-ZEEZICHT (Helderberg)	451	100.0	100.0	94.7	68.5	48.4	0.0		
LEWIS GAY (Simon's Town)	182	100.9	100.9	90.0	64.0	99.0	83.0		
VICTORIA (Table Mountain)	128	101.2	100.8	100.0	100.0	93.9	100.0		
WOODHEAD (Table Mountain)	954	92.2	73.8	83.4	100.0	64.2	65.2		

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



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

**473**

**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 (%)
Jun-17	99.65	98
Jul-17	99.62	98
Aug-17	99.59	98
Sep-17	99.57	98
Oct-17	99.57	98
Nov-17	99.49	98
Dec-17	99.44	98
Jan-17	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

### 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 June).

## Rainfall

RAINFALL (mm)	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	Sep	
								Total*	LT Average
Blackheath Upper	0.0	0.6	0.0	2.1	0.0	0.0	0.0	48.3	44.6
Brooklands	0.0	12.0	6.0	15.0	0.0	0.0	0.0	105.5	87.5
Newlands	0.0	17.0	21.9	47.0	0.0	0.0	0.0	187.3	164.1
Steenbras	0.0	2.3	0.0	17.2	0.0	0.0	0.0	88.4	81.9
Table Mountain (Woodhead)	7.5	9.0	22.5	27.5	0.0	0.0		167.5	153.6
Theewaterskloof	0.0	0.0	0.0	2.2	0.0	0.0	0.0	42.7	39.3
Tygerberg	0.0	1.3	0.8	5.6	0.0	0.0	0.0	61.4	45.0
Voëlvlei	0.0	4.0	1.0	7.1	0.0	0.0	0.0	86.6	46.7
Wemmershoek	0.0	13.3	0.0	13.7	0.0	0.0	0.0	153.3	82.3
Wynberg	0.0	8.1	5.0	24.5	0.0	0.0	0.0	127.7	108.2

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