

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

05 August 2019

DAM STORAGE (%)

76.8

WEEKLY DAM LEVEL CHANGE (%)

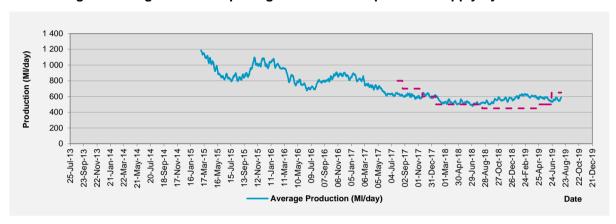
AVG DAILY WATER USAGE (FOR THE PAST WEEK)
ALL WATER SOURCES (MI/d)

588

(Target 650MI/d)

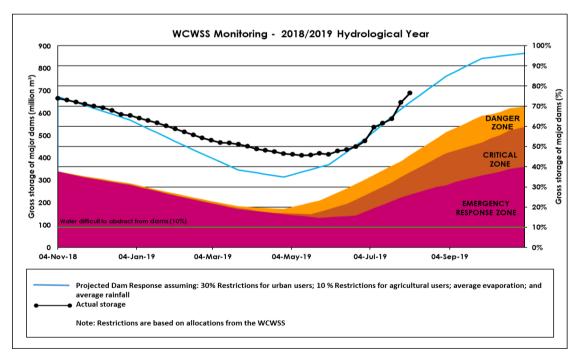
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation. Releases to Agriculture have stopped.

#### 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.

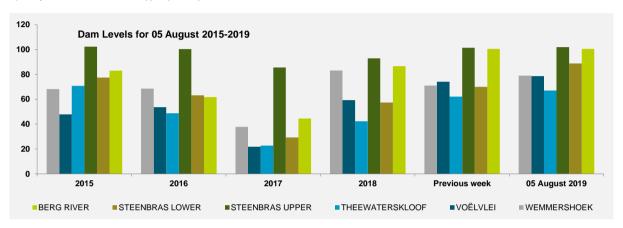


#### Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

		STORAGE							
MAJOR DAMS	CAPACITY	%	%	%	%	%	%		
	MI	05 August 2019	Previous week	2018	2017	2016	2015		
BERG RIVER	130 010	100.5	100.5	86.6	44.5	61.7	83.0		
STEENBRAS LOWER	33 517	88.7	70.0	57.4	29.3	63.2	77.4		
STEENBRAS UPPER	31 767	101.9	101.4	92.8	85.6	100.3	102.3		
THEEWATERSKLOOF	480 188	67.0	62.1	42.3	22.7	48.7	70.8		
VOËLVLEI	164 095	78.6	74.1	59.3	21.9	53.6	47.9		
WEMMERSHOEK	58 644	78.9	71.0	83.1	37.8	68.6	68.2		
TOTAL STORED	898 221	689 767	647 900	510 466	262 081	495 475	624 676		
% STORAGE		76.8	72.1	56.8	29.2	55.2	69.5		

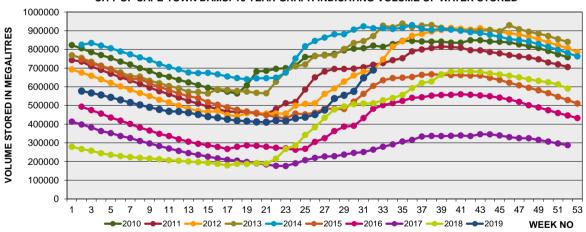
#### NOTES

- 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 August 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.
- 4) 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)

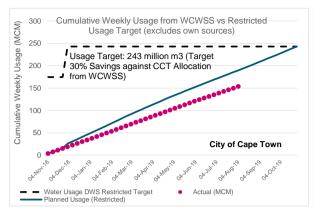


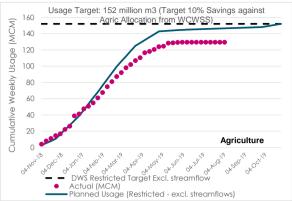


#### Water stored in minor dams within Cape Town

	STORAGE							
MINOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	05 August 2019	Previous week	2018	2017	2016	2015	
ALEXANDRA (Table Mountain)	126	39.2	38.0	74.6	63.1	47.6	33.1	
DE VILLIERS (Table Mountain)	243	100.2	100.0	94.9	70.7	100.0	84.4	
HELY-HUTCHINSON (Table Mountain)	925	99.8	100.5	93.9	100.5	101.4	100.3	
KLEINPLAATS (Simon's Town)	1 368	68.5	62.7	78.3	45.5	80.8	58.4	
LAND-EN-ZEEZICHT (Helderberg)	451	79.5	81.0	100.0	64.4	45.1	22.8	
LEWIS GAY (Simon's Town)	182	87.7	64.0	65.8	99.0	86.1	100.9	
VICTORIA (Table Mountain)	128	96.2	90.8	95.8	101.5	80.3	69.5	
WOODHEAD (Table Mountain)	954	97.3	100.3	56.9	100.5	100.6	98.4	

#### 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 (%)
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
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

#### 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)	29-Jul	30-Jul	31-Jul	01-Aug	02-Aug	03-Aug	04-Aug	Aug	
								Total*	LT Average
Blackheath Upper	2.5	6.0	4.0	0.0	0.0	0.0	0.0	0.0	73.1
Brooklands	9.0	9.0	0.0				5.0	5.0	142.2
Newlands	8.5	18.0	7.5	0.0	0.0	0.0	3.5	3.5	234.3
Steenbras	3.3	15.5	0.1				1.3	1.3	118.6
Table Mountain (Woodhead)	13.0	18.0	0.0	0.0	0.0	0.0		0.0	196.6
Theewaterskloof	7.8	6.2	6.2					0.0	64.1
Tygerberg	4.6	6.0	1.6	0.0	0.0	0.0	0.0	0.0	76.4
Voëlvlei	14.0	14.0	2.0					0.0	75.3
Wemmershoek	34.0	34.0	3.0	0.0	0.0	0.0	0.0	0.0	126.2
Wynberg	24.0	20.0	0.0				7.5	7.5	178.6
	NI-4	*T-4-1/							
Notes: *Total/cumulative rainfall for month indicated above  LT: Long Term									