

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

27 January 2020

DAM STORAGE (%)

71.9

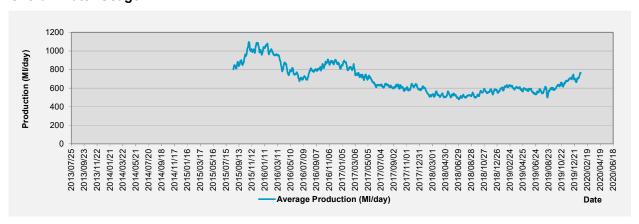
WEEKLY DAM LEVEL CHANGE (%)

0.21

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

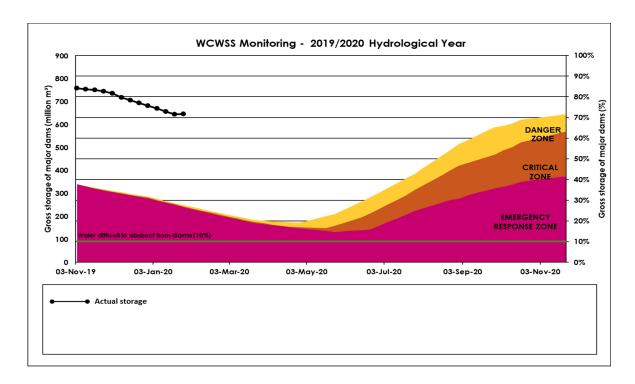
742

# **Overall Water Usage**



# Western Cape Water Supply System (WCWSS) Dam Storage Tracking

This graph depicts total dam storage against potential system risk scenarios.

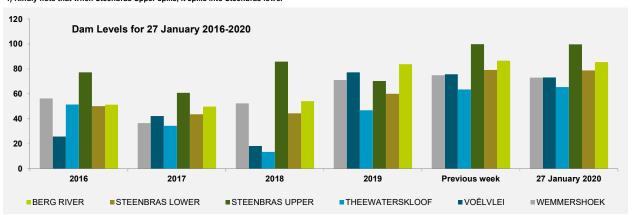


### Water stored in major dams

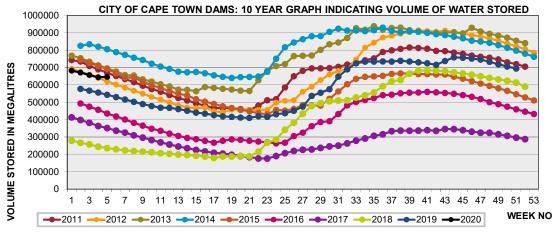
		STORAGE								
MAJOR DAMS	CAPACITY	%	%	%	%	%	%			
	MI	27 January 2020	Previous week	2019	2018	2017	2016			
BERG RIVER	130,010	85.5	86.6	83.8	54.1	49.7	51.4			
STEENBRAS LOWER	33,517	78.9	79.1	60.0	44.4	43.6	50.2			
STEENBRAS UPPER	31,767	99.7	99.7	70.4	85.9	60.9	77.3			
THEEWATERSKLOOF	480,188	65.4	63.6	46.9	13.5	34.5	51.5			
VOËLVLEI	164,095	73.1	75.7	77.2	18.3	42.3	25.9			
WEMMERSHOEK	58,644	73.0	75.0	71.1	52.4	36.6	56.4			
TOTAL STORED	898,221	646,151	644,487	544,844	238,041	355,224	430,867			
% STORAGE		71.9	71.8	60.7	26.5	39.5	48.0			

#### 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 27 January 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 comparitive graph indicating volume of water stored



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

	STORAGE							
MINOR DAMS	CAPACITY	%	%	%	%	%	%	
	MI	27 January 2020	Previous week	2019	2018	2017	2016	
ALEXANDRA (Table Mountain)	126	41.5	42.8	40.6	41.3	32.3	50.1	
DE VILLIERS (Table Mountain)	243	98.6	98.8	36.7	79.4	63.3	72.1	
HELY-HUTCHINSON (Table Mountain)	925	64.7	64.4	98.1	98.0	95.9	92.4	
KLEINPLAATS (Simon's Town)	1,368	61.4	64.8	71.6	49.5	56.4	49.8	
LAND-EN-ZEEZICHT (Helderberg)	451	79.4	81.9	92.5	98.3	86.2	27.3	
LEWIS GAY (Simon's Town)	182	13.1	16.5	23.0	91.4	54.9	45.3	
VICTORIA (Table Mountain)	128	87.5	87.8	82.7	89.3	85.8	57.2	
WOODHEAD (Table Mountain)	954	67.7	67.4	69.9	94.6	97.5	62.5	

# **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)	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	JAN	
								Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	13.5
Brooklands	0.0	0.0	0.0	0.0	0.0	4.0		16.0	28.2
Newlands	0.0	0.0	0.0	0.0	0.0	2.5	0.0	9.5	43.7
Steenbras	0.0	0.0	0.1	0.0	0.0	5.8		34.2	30.6
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	8.0		21.5	56.6
Theewaterskloof	1.0	12.0	3.3	0.0	0.0	0.0		108.7	21.8
Tygerberg	0.0	0.0	0.0	0.0	0.0	3.2	0.0	10.8	12.5
Voëlvlei	0.0	0.0	0.0	0.0	0.0	0.0		4.0	14.1
Wemmershoek	0.0	0.0	0.0	0.0	0.0	7.9	0.0	21.1	20.0
Wynberg	0.0	0.0	0.0	0.0	0.0	4.4		7.4	22.2

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

LT Average Revised and Updated Total\* Month Rainfall Corrected