

City of Cape Town: Dam Levels Report

17 February 2020

DAM STORAGE (%)

67.4

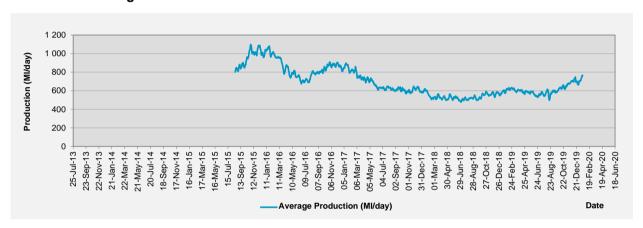
WEEKLY DAM LEVEL CHANGE (%)

-1.6

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

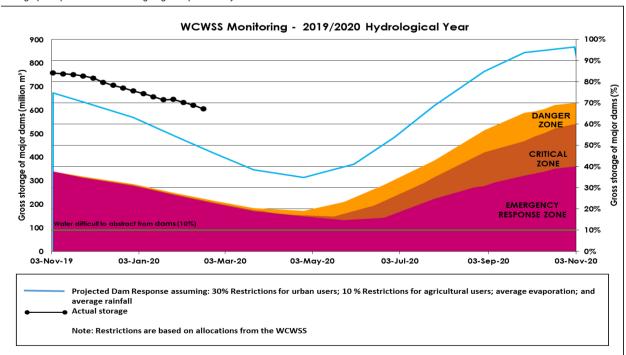
743

Overall Water Usage



Western Cape Water Supply System (WCWSS) Dam Storage Tracking

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

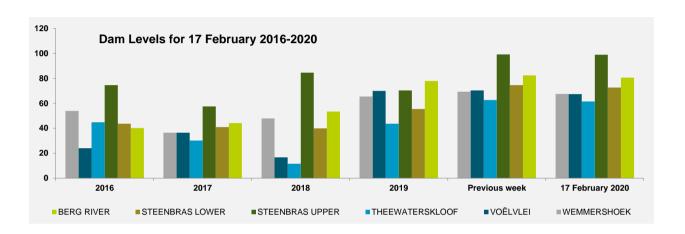


Water stored in major dams

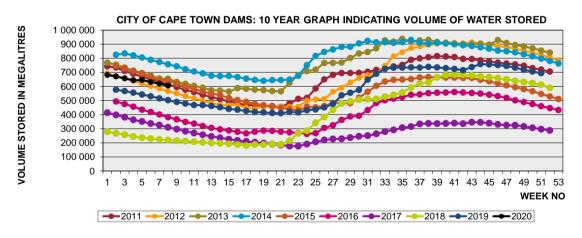
	STORAGE								
MAJOR DAMS	CAPACITY	%	%	%	%	%	%		
	MI	17 February 2020	Previous week	2019	2018	2017	2016		
BERG RIVER	130 010	80.5	82.4	77.9	53.4	44.1	40.2		
STEENBRAS LOWER	33 517	72.7	74.6	55.5	40.0	40.9	43.6		
STEENBRAS UPPER	31 767	98.8	99.2	70.3	84.5	57.6	74.6		
THEEWATERSKLOOF	480 188	61.5	62.6	43.6	11.6	30.1	44.8		
VOËLVLEI	164 095	67.4	70.3	69.9	16.7	36.5	24.0		
WEMMERSHOEK	58 644	67.4	69.3	65.4	47.9	36.5	53.9		
TOTAL STORED	898 221	605 819	620 267	504 805	220 767	315 434	376 907		
% STORAGE		67.4	69.1	56.2	24.6	35.1	42.0		

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 17 February 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	17 February 2020	Previous week	2019	2018	2017	2016	
ALEXANDRA (Table Mountain)	126	37.2	38.1	37.2	37.1	32.6	42.3	
DE VILLIERS (Table Mountain)	243	97.6	97.6	44.4	77.6	54.5	70.4	
HELY-HUTCHINSON (Table Mountain)	925	18.4	43.8	89.0	96.6	96.8	85.1	
KLEINPLAATS (Simon's Town)	1 368	53.3	55.7	64.5	46.1	52.1	46.1	
LAND-EN-ZEEZICHT (Helderberg)	451	71.1	74.1	91.0	95.7	84.3	16.8	
LEWIS GAY (Simon's Town)	182	5.1	8.0	0.0	96.1	61.1	24.0	
VICTORIA (Table Mountain)	128	82.7	84.4	49.2	84.4	82.3	53.4	
WOODHEAD (Table Mountain)	954	95.7	72.8	42.2	86.1	98.0	65.5	

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)	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	40 Fab	Feb	
							16-Feb	Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	0.0		0.0	15.6
Brooklands	0.0		0.0		0.0		3.0	3.0	19.7
Newlands	0.0	0.0	0.0	0.0	0.5	0.0	10.0	10.5	35.7
Steenbras	0.0		0.0		0.0		8.7	10.4	30.7
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	0.0		0.0	48.0
Theewaterskloof	0.0		0.0		0.0			7.4	22.0
Tygerberg	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	14.6
Voëlvlei	0.0		0.0		0.0			0.0	12.9
Wemmershoek	0.0	0.0	0.0	0.0	0.0			0.0	17.8
Wynberg	0.0		0.0		0.0			0.0	22.9

LT: Long Term

LT Average Revised and Updated Total* Month Rainfall Corrected