



City of Cape Town: Dam Levels Report

20 January 2020

DAM STORAGE (%)

71.8

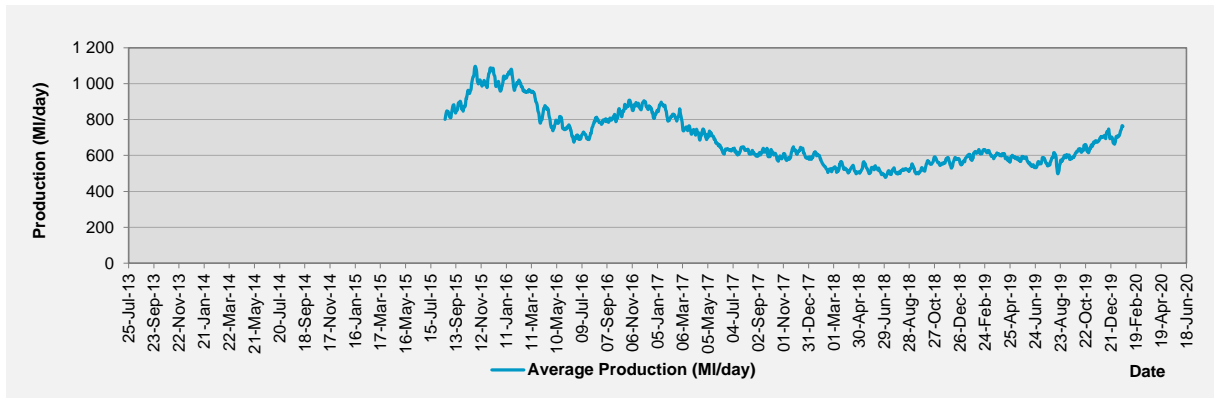
WEEKLY DAM LEVEL CHANGE (%)

-1.4↓

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

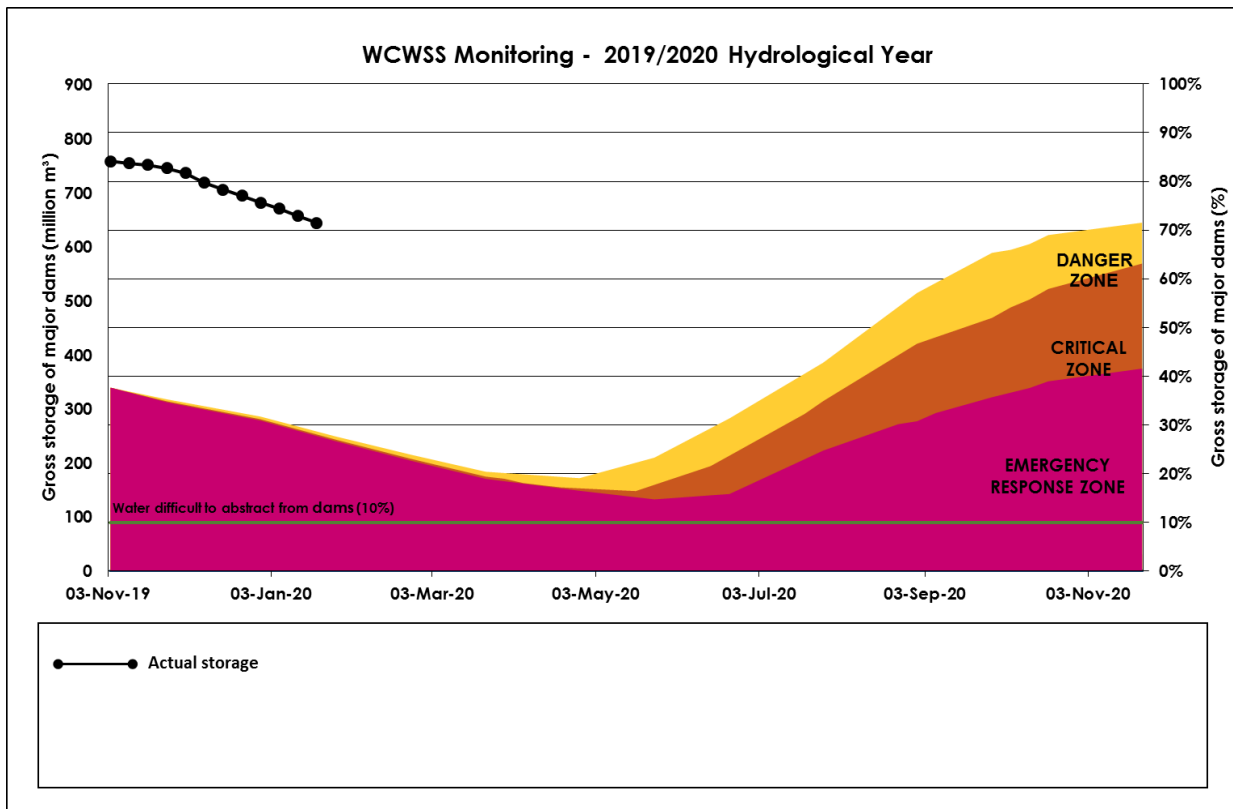
762

Overall Water Usage



Western Cape Water Supply System (WCWSS) Dam Storage Tracking

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

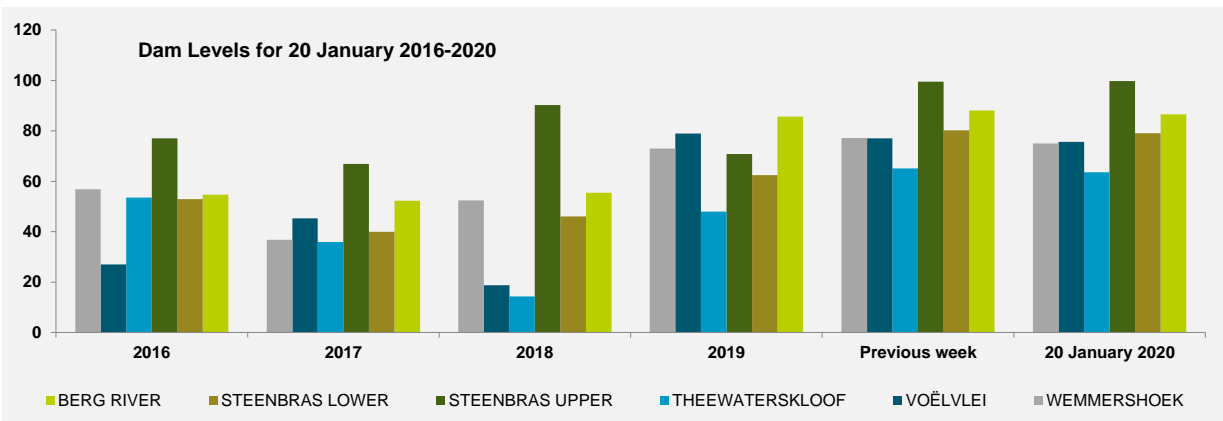


Water stored in major dams

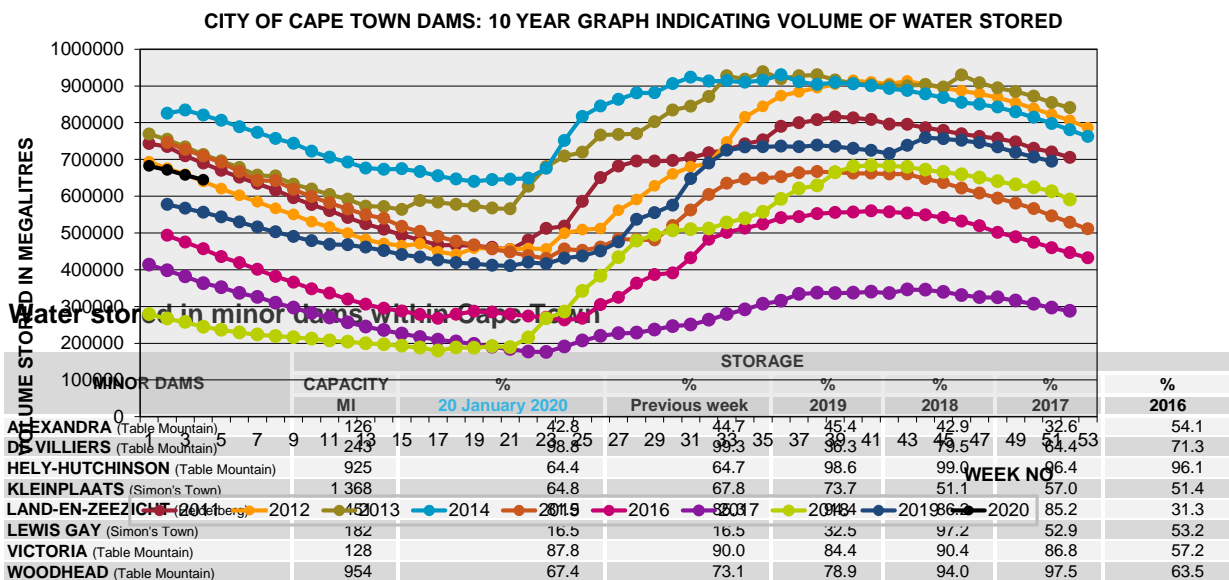
MAJOR DAMS	STORAGE						
	CAPACITY	%	%	%	%	%	%
	MI	20 January 2020	Previous week	2019	2018	2017	2016
BERG RIVER	130 010	86.6	88.1	85.7	55.4	52.2	54.8
STEENBRAS LOWER	33 517	79.1	80.2	62.5	46.1	40.0	53.0
STEENBRAS UPPER	31 767	99.7	99.5	70.8	90.2	67.0	77.1
THEEWATERSKLOOF	480 188	63.6	65.1	47.9	14.4	36.0	53.6
VOËLVLEI	164 095	75.7	77.1	79.0	18.8	45.3	27.0
WEMMERSHOEK	58 644	75.0	77.2	73.0	52.4	36.8	56.9
TOTAL STORED	898 221	644 487	657 373	557 441	246 668	371 262	448 660
% STORAGE		71.8	73.2	62.1	27.5	41.3	49.9

NOTES:

- 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.
- All figures are for 20 January for each year except for those in the second column, which gives the figures for the previous week of this year.
- 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.
- Kindly note that when Steenbras Upper spills, it spills into Steenbras lower



Ten year comparative graph indicating volume of water stored



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)	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	JAN	
								Total*	LT Average
Blackheath Upper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
Brooklands	0.0	0.0	0.0	0.0	0.0	4.0	8.0	12.0	28.2
Newlands	0.0	0.0	0.0	0.0	0.0	2.0	5.0	7.0	43.7
Steenbras	0.0	0.0	0.0	0.0	4.9	7.5	15.9	28.3	30.6
Table Mountain (Woodhead)	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	56.6
Theewaterskloof	0.0	0.0	0.0	0.0	21.4	22.0	49.0	92.4	21.8
Tygerberg	0.0	0.0	0.0	0.0	0.0	1.3	6.3	7.6	12.5
Voëlvlei	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	14.1
Wemmershoek	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.2	20.0
Wynberg	0.0	0.0	0.0	0.0	0.0	2.0	1.0	3.0	22.2

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

LT Average revised and updated
Total* Month Rainfall Corrected