

City of Cape Town: Dam Levels Report

01 April 2019

DAM STORAGE (%)

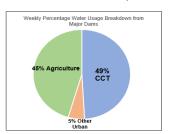
WEEKLY DAM LEVEL CHANGE (%)

decrease since last week

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

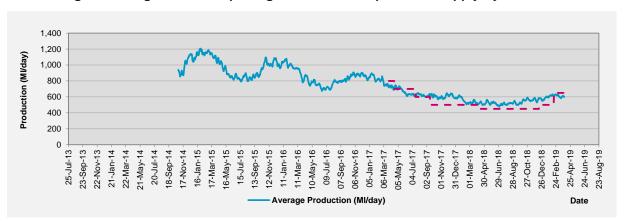
598

(Target 650MI/d)



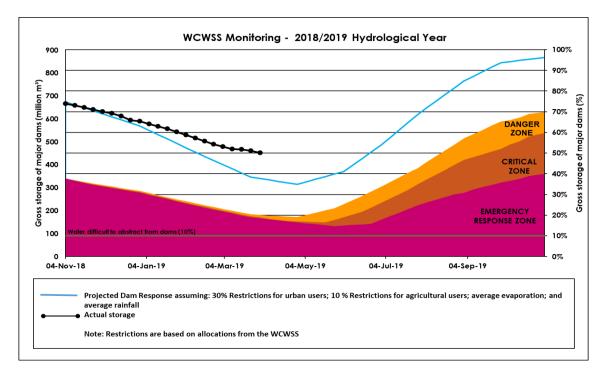
Disclaimer: The data depicted above is indicative and has been based on the City's own assessment of water use from the WCWSS. It is subject to official verification by the National Department of Water and Sanitation.

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.

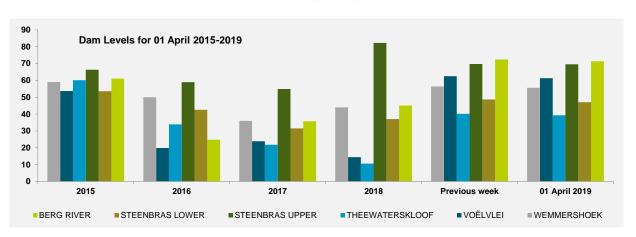


Water stored in major dams comprising Western Cape Water Supply System (WCWSS)

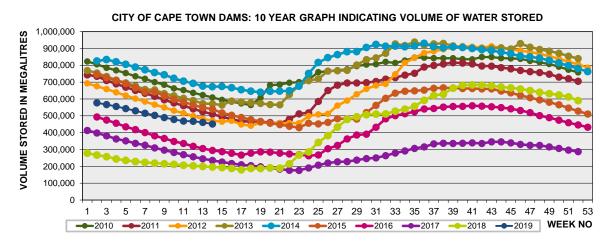
| MAJOR DAMS | STORAGE | | | | | | | | |
|-----------------|------------|---------------|---------------|---------|---------|---------|---------|--|--|
| | CAPACITY % | | % | | % | % | % | | |
| | MI | 01 April 2019 | Previous week | 2018 | 2017 | 2016 | 2015 | | |
| BERG RIVER | 130,010 | 71.3 | 72.4 | 45.1 | 35.8 | 24.8 | 61.0 | | |
| STEENBRAS LOWER | 33,517 | 47.1 | 48.7 | 37.0 | 31.5 | 42.5 | 53.6 | | |
| STEENBRAS UPPER | 31,767 | 69.6 | 69.8 | 82.3 | 54.9 | 59.0 | 66.3 | | |
| THEEWATERSKLOOF | 480,188 | 39.3 | 40.2 | 10.6 | 21.8 | 33.9 | 60.1 | | |
| VOËLVLEI | 164,095 | 61.3 | 62.5 | 14.4 | 23.9 | 19.9 | 53.7 | | |
| WEMMERSHOEK | 58,644 | 55.6 | 56.4 | 44.0 | 36.0 | 50.0 | 59.0 | | |
| TOTAL STORED | 898,221 | 451,820 | 461,126 | 197,396 | 239,374 | 289,874 | 529,609 | | |
| % STORAGE | | 50.3 | 51.3 | 22.0 | 26.6 | 32.3 | 59.0 | | |

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 01 April 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.



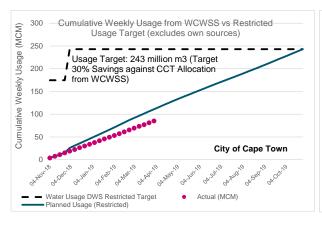
Ten year graph Indicating volume of water stored in major dams Comprising Western Cape Water Supply System (WCWSS)

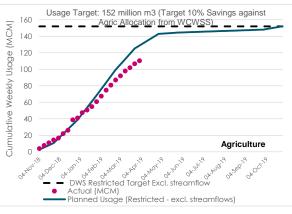


Water stored in minor dams within Cape Town

| | STORAGE | | | | | | | |
|----------------------------------|----------|---------------|---------------|------|------|------|------|--|
| MINOR DAMS | CAPACITY | % | % | % | % | % | % | |
| | MI | 28 March 2019 | Previous week | 2018 | 2017 | 2016 | 2015 | |
| ALEXANDRA (Table Mountain) | 126 | 0.0 | 0.0 | 45.8 | 30.6 | 35.3 | 30.1 | |
| DE VILLIERS (Table Mountain) | 243 | 60.5 | 60.4 | 55.5 | 47.6 | 65.9 | 34.3 | |
| HELY-HUTCHINSON (Table Mountain) | 925 | 33.7 | 35.6 | 87.9 | 94.2 | 80.7 | 0.0 | |
| KLEINPLAATS (Simon's Town) | 1,368 | 48.7 | 49.7 | 41.0 | 43.6 | 35.1 | 28.9 | |
| LAND-EN-ZEEZICHT (Helderberg) | 451 | 93.3 | 92.5 | 91.2 | 80.9 | 14.6 | 0.0 | |
| LEWIS GAY (Simon's Town) | 182 | 0.0 | 0.0 | 54.7 | 29.1 | 3.9 | 72.8 | |
| VICTORIA (Table Mountain) | 128 | 0.0 | 0.0 | 63.9 | 74.3 | 50.1 | 0.0 | |
| WOODHEAD (Table Mountain) | 954 | 47.7 | 49.0 | 56.8 | 95.7 | 76.9 | 50.7 | |

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 asof 1 December 2018. CCT has been restricted at 30% against the WCWSS approved allocation to the CCT.

Water Quality Sample Pass Rate

| Month | Water Quality Compliance (%) | Target (%) |
|--------|------------------------------|------------|
| Dec-17 | 99.44 | 98 |
| Jan-18 | 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 |
| 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 |

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) | 25-Mar | 26-Mar | 27-Mar | 28-Mar | 29-Mar | 30-Mar | 31-Mar | Mar | |
|---------------------------|--------|--------------|--------------|----------------------------|---------------|----------|--------|--------|------------|
| | | | | | | | | Total* | LT Average |
| Blackheath Upper | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.6 | 14.1 |
| Brooklands | 6.0 | 4.0 | | 1.0 | | | 3.0 | 75.0 | 22.5 |
| Newlands | 0.4 | 0.0 | 0.0 | | | | | 47.4 | 34.1 |
| Steenbras | | 0.0 | | | | | 2.5 | 21.1 | 24.3 |
| Table Mountain (Woodhead) | 0.5 | 0.0 | | | | | | 113.2 | 49.5 |
| Theewaterskloof | 6.8 | 0.0 | | | | | | 87.7 | 22.0 |
| Tygerberg | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.1 | 12.7 |
| Voëlvlei | | 0.0 | | | | | | 37.5 | 14.4 |
| Wemmershoek | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.2 | 14.0 |
| Wynberg | | 0.0 | | 1.0 | | | 0.6 | 47.5 | 22.4 |
| | N | *** | 1.0 | | | | | | |
| | Note | es: *Iotal/c | umulative ra | ainfall for mo ong Term | onth indicate | ed above | | | |