

WATER SUPPLY RELIABILITY DASHBOARD

The Water Supply Reliability dashboard indicates the percentage to population and households that have functional access to drinking water. A reliable water service is: one where the service is not interrupted for more than 48 consecutive hrs and is available for at least 350 days per year. (Strategic Framework for Water Services, Sept 2003)

This dashboard's map colour coding represent the Water Supply Reliability status, as indicated on the map legend.

The Water Supply Reliability dashboard map can be rendered to one of the following statuses:

- Population
- Households

The table at the top right shows the aggregated summary information of the selected map area. The second table provides aggregated detail information for the selected map area. Both tables provides the information on percentage and number of population and households that have functional access to drinking water.

The Water Supply Reliability information is provided by Water Services and is updated monthly.

- **What does this dashboard relate to:**

The Water Supply Reliability dashboard provides the user with a national as well as provincial presentation/s of people and households with functional access to basic water supply infrastructure at RDP or higher levels of service. RDP or higher service levels are regarded as tapped (safe) water through a communal stand pipe within 200m from the dwelling, water in the yard or water in the dwelling.

- **What type/s of questions does the information product aim to answer:**

The product aims to provide the user with the number of people and households with functional access to basic water supply infrastructure. This obviously also provides the number of people without access to basic water supply infrastructure, commonly referred to as the water backlog/water needs. Geographical presentation of the data indicating the level of access to water supply on Provincial and Water Services Authority (WSA) level is possible.

- **Data / Information discussion:**

- Data used to generate the information
 - **What data is used?**

Data from the Water Services Knowledge System (WSKS) is used. This is based on results of STATS SA Censuses as well as annual General Household Surveys, aligned with and

updated by the Department Water and Sanitation (DWS) Macro Planning data. Data is generated on settlement level and is based on the water supply service level provided such as water in house, in yard or from a communal standpipe, borehole, spring, dam, river, or other source. Based on the service level definitions, the WSKS determines who has access to at and/or above RDP water supply service levels and who does not.

- **How is it extracted and from where?**

The data is extracted via Macro Planning processes and procedures directly from the Water Services Knowledge System database.

- **How often is it extracted?**

The data is updated annually on 1 April but can be extracted by NIWIS as and when required through the Macro Planning processes and procedures provided.

- **Business processes related to the data:**

N/A

- **The algorithms / equations used to convert data into information:**

NIWIS calculates the performance grading for presentation purposes based on the following:

Performance Grading:

Backlog/Water needs %	Access to Water %	Performance Grading
Between 50 and 100%	<50%	Crisis
Between 35 and 49.99%	50-64.99%	Area of concern
Between 20 and 34.99%	65-79.99%	Acceptable
Between 5 and 19.99%	80-95%	Good
0-4.99%	>95%	Excellent

- **Key assumptions made:**

That the user has been provided with functional access to at least RDP level water supply.

- **Contacts details of person/s who championed this dashboard:**

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- **Links to other sources of related information**

- www.dwa.gov.za/wsk

www.statssa.gov.za

- **Are there any limitations / cautions related to using this information?**

Yes, please refer to the below:

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