Government Water Schemes

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

  This dashboard provides an overview of the various GWS within the different Operational Clusters. The dashboard should provide an overview of where the different schemes are within specific areas in South Africa. Additionally, the dashboard will provide information on the levels of different DWS reservoirs and for those dams with operating rules will be displayed graphically on a "Levels vs Operating Rules" plot.

- **What is the main purpose/s of the dashboard?**

  The focus of the Government Water Schemes (GWS) dashboard is to provide an overview of the locality of the GWS in South Africa. This information should enable the viewer to get an understanding of where different schemes are in the country and aggregate the resulting scheme related information at operational cluster level.

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

  The key information is as follows:

  - List of all operational clusters in SA
  - Where are the GWS's located in the Operational Clusters in the country
  - What are the dam levels in these schemes

- **Data / Information discussion:**

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

      The primary source of data is provided from HYDSTRA system, while the water level information is collected from NIWIS Surface Water Storage dashboard. The scheme names and facility information is collected from the NWRIB asset register spreadsheet.

    - Which stations are included in this dashboard?

      No stations are included in the dashboard but individual point specific information is obtained for the specific schemes. This information is summarised to a Cluster level.

    - How is data extracted and what is the source?

      The data shown in the dashboard shall directly reflect the information provided by the data provider. The main processing requirement will be the aggregation of information from an individual point level to an aggregated level for the country and the Operational Clusters. This will require some processing in the GIS background layers where point information is aggregated against the Cluster polygons. There will be no manipulation of information in the database and the indicators provided will be directly derived from the data provided in the HYDSTRA system as well as the Operating Rules spreadsheet and Asset Register spreadsheet.

    - How often is it extracted

      Data is extracted monthly

- **Person(s) who championed the dashboard:**

  - Leonardo Manus, Chief Director Infrastructure Operations.
  - Zanele Bopape, Deputy Director: Financial Strategic Asset Management Directorate.

- **Enquiries:**

- o   For all dashboard enquiries click **HERE** to go to the Contact Us page.
- **Are there any limitations / cautions related to using this information?**

Yes, please refer to the below:

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