

# NATIONAL GROUNDWATER INFORMATION SYSTEM (NGIS) PORTOLIO



The Department of Water and Sanitation is responsible for Groundwater Information in South Africa. This includes the collection and distribution of all groundwater related data and information products. Adequate groundwater information is paramount, particularly in a dry country such as the Republic of South Africa.

To be able to support strategic development objectives, it is important to report accurately on the status and observed trends related to water resources.

The systems that support the **NGIS Business Intelligence Value Chain** are described in this pamphlet.

WATER IS LIFE - SANITATION IS DIGNITY

SOUTH AFRICA IS A WATER- SCARCE COUNTRY



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



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# National Groundwater Archive (NGA)

## Description

**NGA** is a web enabled database system that allows capturing, viewing, modifying and extraction of groundwater related data by registered users.

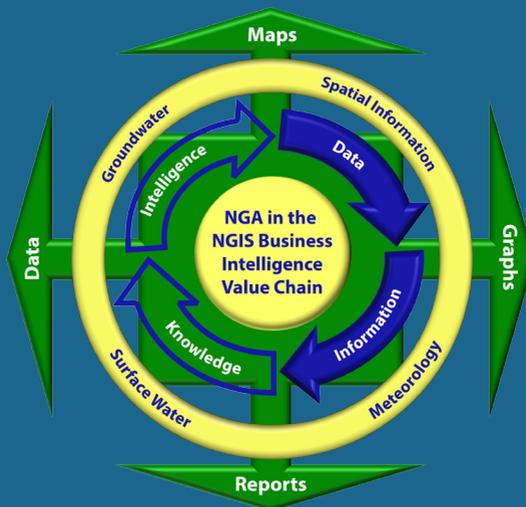
Currently the main focus of NGA is on point data known as Geosites (Borehole, Drain, Dug Well, Lateral/Radial Arm Collector, Mine, Seepage Pond, Sinkhole, Spring, Tunnel, Well Point). Line and polygon data will be made available in future. There are already in excess of 293 240 Geosites on the NGA.

NGA includes an ensemble of tools including but not limited to a Geosite Identification Allocator Tool. For the purpose of managing the acquisition of all newly generated data the **Geosite Identification Allocator Tool** can be used by all duly registered users. This will allow the Department to keep track of all groundwater exploration and development projects and thus ensures that all newly generated data is captured.

**To register, go to:** <https://www.dws.gov.za/NGANet/Security/WebLoginForm.aspx>

**Enquiries:** [ngaur@dws.gov.za](mailto:ngaur@dws.gov.za)

## Where does the NGA fit in the NGIS Business Intelligence Value Chain?



# Geohydrological Reports System

## Description

The **Geohydrological Reports System** is a database that contains groundwater related Technical Reports.

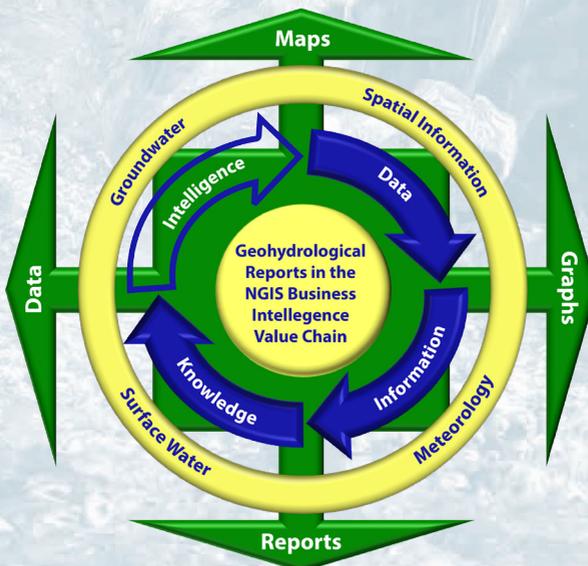
Approximately 10 235 Technical Reports are registered on the Geohydrological Reports System. The total number of 6 020 Reports are available Online and downloadable in PDF format. These Reports reflect the hydrogeological investigations done by Departmental Officials or Consultants.

A web enabled system allows one to inquire about the availability of specific documents.

**To search the database, go to:** <https://www.dws.gov.za/ghreport/Default.aspx>.

**Enquiries:** [ngaur@dws.gov.za](mailto:ngaur@dws.gov.za)

## Where does the Geohydrological Reports System fit in the NGIS Value Chain?



# CHART

## Description

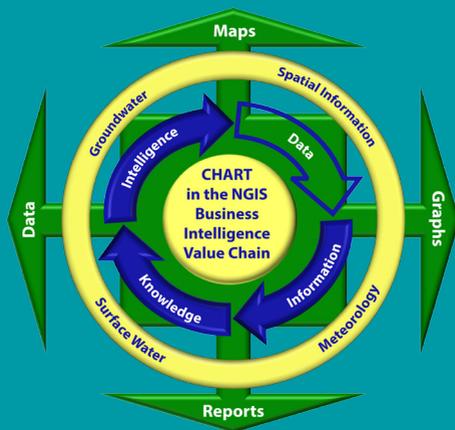
**CHART** is a web enabled software solution.

- CHART is an integrated, hydrochemical analysis and reporting application that aims to assist hydrogeologists and hydrogeochemists in decision making during analysis and assessment of data.
- CHART supports the analysis and assessment of the complete hydrogeological cycle and hydrochemical trends in an integrated fashion with collaboration between groundwater, surface water, and meteorological data in a single snapshot or dashboard.
- CHART also fulfills an integral management role that aims to assist geohydrologists with implementation and management of monitoring programmes and networks.

**To register, go to:** <https://www.dws.gov.za/chart/Default.aspx>

**Enquiries:** [ngaur@dws.gov.za](mailto:ngaur@dws.gov.za)

## Where does CHART fit in the NGIS Value Chain?



**For more information please visit**

**Groundwater Website:** <https://www.dws.gov.za/Groundwater/Default.aspx>

**Content supplied by:** Hendrika (Driekie) Visagie, Olga de Beer, Ernst Bertram from Directorate: National Hydrological Services and Louise Swanepoel, Casper Erasmus, Victor Boshoff from NGIS Development Team