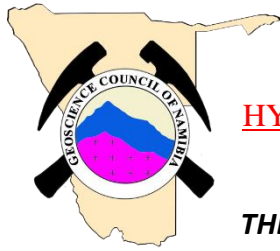


GEOSCIENCE, THE BEDROCK OF MODERN-DAY LIFE



OUTREACH FOR GEOSCIENCE AWARENESS

HYDROGEOLOGY AND CONTAMINANT GEOLOGY THEME



THEME: Groundwater, Making the invisible, visible (World Water Day Theme 2022)

Namibia has been known as water scarce, attributing mostly to its geographic location and primarily because of the limited surface water as well as the high potential evaporation rates beyond 2000 mm/year. Groundwater therefore quickly becomes crucial, most of which is located in aquifers in the savannah biome which covers a large part of the country. This is also where most industrialization as well as most farming is practiced. The management of groundwater has two major components, namely the management of groundwater quality and that of the groundwater quantity. In Namibia the groundwater is considered a public resource regulated by the state through the Department of Water Affairs, (DWA) in the Ministry of Agriculture Water and Forestry (MAWF), they further receive regulatory assistance from the Namibia Water Cooperation (NamWater), which is a parastatal entity which supplies bulk water to municipalities, industries and to the Directorate of Rural Water Supply of DWA.

For example, Walvisbay, Swakopmund, Tsumeb, Usakos, Luderitz, Otjiwarongo, and Grootfontein are some of the major towns that are 100% reliant on groundwater.

Understanding and managing this precious groundwater resource sustainably is essential to achieving social economic development, water security and improving the quality of life in the country.

For sustainable exploration, development, and management of our groundwater resource we rely on hydrogeologists.

Under this Hydrogeology and contaminant geology theme the following 4 topics will be discussed during the Geoscience Corner radio talk show of February 2022:

1. Week 1: Introducing Hydrogeology
2. Week 2: Drilling methods and costs, and the journey of groundwater from the rock to your tank / tap, trough/cup/, container/ Omino!
3. Week 3: Groundwater management: Quality and quantity
4. Week 4: Myth busting

