



INSTITUTIONAL SETTING AND PURPOSE

Water resources in Tanzania are managed basin-wise; five river basins and four lake basins. Water monitoring is done by the Ministry of Water.

There is no national groundwater monitoring programme in Tanzania, but groundwater levels are monitored in several areas of the country.

CHARACTERISTICS OF THE NETWORK

Groundwater monitoring in Tanzania started in 1955 with the Makutapora well field. In the early 2000, 12 monitoring wells were drilled in Rufiji basin with the assistance of the World Bank. In 2007, 30 boreholes were added in the Internal Drainage Basin, and 15 out of 35 planned boreholes were installed in the Pangani River Basin in 2010. 19 boreholes were drilled and installed with water level loggers by Japan International Cooperation Agency in Wami Ruvu Basin in 2011.

Currently, groundwater level monitoring is carried out in the Makutapora Basin in the Dodoma region by ten automatic data loggers, and in Arusha by the Arusha Urban Water Supply Authority and in TPC-Moshi. In Arusha groundwater levels are measured manually on a daily basis.

In 2017, a local groundwater monitoring network was installed in the Upper Great Ruaha Basin Observatory in southern highlands of Tanzania by the GroFutures team at Sokoine University of Agriculture (SUA, Tanzania).



Figure 1 - The Ruaha Basin in Tanzania

Sources

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- IGRAC. **Information collected during the regional training programme on Integrating Groundwater Management within River Basins held from 15-17 January 2019 in Nairobi, Kenya** - <https://www.un-igrac.org/news/integrating-groundwater-management-river-lake-basins-eastern-africa>;
- GroFutures, 2017. **Groundwater monitoring established in the upper great Ruaha Basin of Tanzania** - <http://grofutures.org/article/groundwater-monitoring-established-in-the-upper-great-ruaha-basin-of-tanzania>; and
- Sangea H, Upton K, Ó Dochartaigh BÉ and Bellwood-Howard, I. 2018. **Africa Groundwater Atlas: Hydrogeology of Tanzania. British Geological Survey. Accessed 09-07-2019** - http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Tanzania.