Niger

Capital city: Niamey
Inhabitants: 22.4 Million

INSTITUTIONAL SETTING AND PURPOSE

The Ministry of Hydraulics and Sanitation is responsible for providing access to drinking water and sanitation. One of five sub-programs covers monitoring and protection of water resources.

The institution in charge groundwater resources is the Agency for Groundwater Exploitation (Office d'Exploitation des Eaux Souterraines), a public institution under the Ministry of Hydraulics and Sanitation.

CHARACTERISTICS OF THE NETWORK

Piezometric network of Niger is composed of 308 observation points, operated by the regional services of the Ministry of Hydraulics. Frequency of water level measurements is highly variable with 2-3 times per month to 1-2 per year.

PROCESSING AND DISSEMINATION

Two governmental databases store information on boreholes and hand dug wells: for the central region and for encompassing the whole country, although there is not much information from the north and east parts of the country.

The Ministry of Water (currently the Ministry of Hydraulics and Sanitation) has identified more than 24,000 wells and boreholes in the country, and a UNICEF study of 2010 compiled information of around 11,000 wells, many of them include info on water levels.

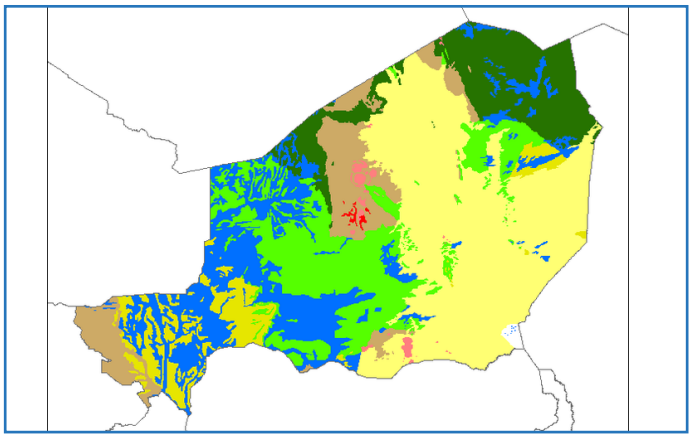

Figure 1 - Geology map Niger, source: Earthwise.bgs.ac.uk

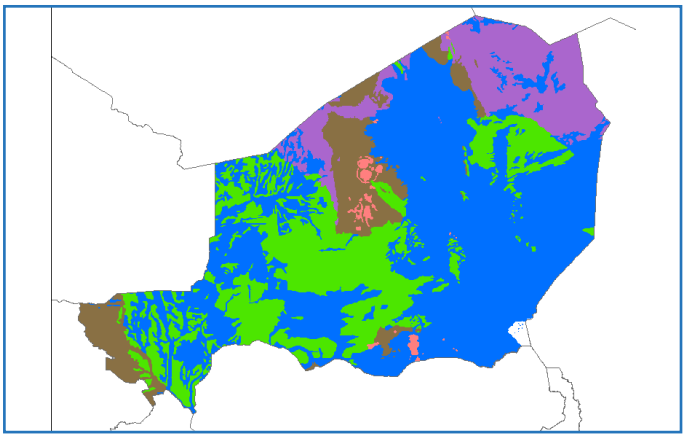

Figure 2 - Hydrogeology map Niger, source: Earthwise.bgs.ac.uk

Sources

- **Ministry of Hydraulics and Sanitation** - http://www.hydraulique.gouv.ne/#;
- **Observatory of Sahara and Sahel (2011): Monitoring and Assessment of Transboundary Aquifers – Mali, Niger and Nigeria; Guyomard (2011)** - Concerted management of transboundary groundwater;
- **UNICEF. 2010** - Etude de faisabilité des forages manuels: identifiaction des zones potentiellement favorables. Republique du Niger Ministere de l'Eau, de l'Environnement et de la Lutte Contre Le Desertification; and
- **Upton, K., Ó Dochartaigh, B.É. and Bellwood-Howard, I. 2018. Africa Groundwater Atlas: Hydrogeology of Niger. British Geological Survey. Accessed 09-07-2019** - http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Niger.