



Groundwater Resources for IWRM Plain in Orkhon River Basin

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Mongolia is divided in 29 river and water basins for Integrated Water Resources Management Plan. The basin area of the Orkhon River locates in the central and northern part of Mongolia. The hydrogeological research in the Orkhon River basin which is one of the biggest river in Mongolia rises from Khangai Mountain Range and flows into the Selenge River has been insufficiently conducted.

There is essential need to assess groundwater resource which supplies about 90% of water consumption. The most of the water users are not using a centralized system due to nomadic habit. The structure of groundwater distribution in the River Basin have been studied through the analysis on the previous study papers in order to assess groundwater resources of the basin. There are 2 types of groundwater resources which are classified as calculated and approved. The calculated groundwater resources are used for IWRM plan. The approved groundwater resources are used for calculating water balance in cities and towns. The calculated resources are enough for users and in a future the calculation of groundwater resources in basin need to be developed.