

ANKOBRA RIVER BASIN
(GROUNDWATER ASSESSMENT PROJECT)

REPORT ON GROUNDWATER INVENTORY AND HYDROGEOLOGICAL
ASSESSMENT OF THE ANKOBRA RIVER BASIN

By

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Abstract

A Groundwater Inventory and Hydrogeological Assessment Project of the Ankobra Basin was carried out by CSIR Water Research Institute between November 2006 and December 2007. This project formed part of the Service Agreement signed between WRI-GWD and the Water Resources Commission under the second phase of the Danida-supported Water and Sanitation Sector Program Support (WSSPS II). Maps have been prepared from this assessment project showing borehole locations superimposed on existing geological and district maps; and also providing information on socio-economic activity of various communities within the Ankobra Basin.

Three types of data used under this project consisted of available hydrogeological data, borehole GPS coordinates and socio-economic activity data. Available hydrogeological data for 263 boreholes covering five districts were collected from the Hydrogeological Database of the Groundwater Division of the CSIR Water Research Institute and used for hydrogeological assessment of the Ankobra Basin. Results from the data analysis have been interpreted using a two-way approach, namely, the district-based approach and the geology-based approach.