

## **Geological input in environmental impact assessment for groundwater abstraction in Langat basin**

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The Langat basin is one of the very intensely developed areas in the country; especially at areas located downstream of the Sungai Langat. Among geographical areas under the coverage of the basin are Kajang-Rinching-Beranang, Bandar Baru Bangi, Cyberjaya-Putrajaya, Paya Indah-Dengkil, Nilai-Salak Tinggi, Kuala Lumpur International Airport and Sijangkang-Telok Panglima Garang.

Some of the activities being undertaken at the basin are such as groundwater abstraction and which requires Environmental Impact Assessment (EIA) study. Objective of this paper is to present some geological input for a case study of groundwater abstraction at the Langat basin. Geological information can be obtained from library and archives search and also existing data that are not published. The project is described whether it is groundwater abstraction from the alluvial or hard rock aquifers. Other information includes of geological mapping and geophysical investigation, boreholes & test well drilling, assessment of the groundwater potential, contamination and anticipated problems.

A steel mill requires voluminous amount of water to run its operation. Areas at the flat plain of Kuala Langat is well known for its problematic water supply, whether it is low pressure of insufficient or irregular supply. Additional request from the public water supply to the industrialist will add additional burden to the already burdensome demand. Alternative source is therefore from groundwater and groundwater can either be usefully utilised or abundantly wasted!

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