

## An evaluation of groundwater reserve potential in the Mid Miocene aquifer system in Miri Basin, Sarawak

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The El-Nino phenomena awareness is well spread globally. The long dry season ultimately affects the surface water supply in many states and countries. Many countries through their government agencies are taking it into account to mitigate the risk and effect of the natural phenomena to the industries and mainly to the economic growth. So does Malaysia. El-Nino was threatening various sectors in Miri, Sarawak circa 1997-1998 (LAKU report 2007). The shortage of surface water

supply from nearby rivers brought many issues to the public, socioeconomics and environmental sustainability. Previously, the groundwater exploration had been studied in the early 1980s but only focusing at the small area of Kampung Lusut and Kampung Tunku Abdul Rahman up to the foothill of Lambir Hills which was covered 60 square km. In this project, the study area has been expanded up to 560 square km, covering the entire area of Miri's Mid Miocene catchment area.