

Geographical Assessment on Groundwater Quality of Waw Town, Bago Region

Hla Thuzar *

Abstract

This paper focuses on the spatial variation of groundwater quality in Waw Town. The aim and objectives are to study the spatial variation of groundwater quality from geographical point of view, to study the chemical characteristics in groundwater of the study area, to assess the spatial variation of groundwater quality and analyses the correlation between aquifer depth and selected chemical parameters. Spatial Analyses Tools were used to find out a suitable area that has good water quality. Proximity Matrix analyses (cluster analysis SPSS) and correlation methods were also used. The study area is located in the middle part of Waw Township in Bago Region. Being a part of the lower Sittaung Valley, the land is generally low and flat, and become liable to flood in the rainy season. The local inhabitants depend on pond water in the dry season. Pond water dries up on a hot day. In order to solve the water shortage problem, the town dwellers have sunk a number of tube wells within their house compounds. Therefore, the identification of groundwater quality is very important for them. This is the main reason for conducting this research work.

Key words: Spatial Variation, Groundwater Quality