

Assessment of groundwater vulnerability to pollution: DRASTIC application in Zhangji, China

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Abstract The application of the DRASTIC vulnerability assessment method to the fissured-karstic aquifer of the Zhangji area, Xuzhou city, is presented in this paper. By using GIS/ArcInfo, a score was assigned to each parameter and the DRASTIC index for the region was derived. The assessment result enables a preliminary delineation of groundwater vulnerability to pollution in the study area. This tool will help the decision makers to take scientific and effective measures for safeguarding groundwater resources in the area.

Keywords DRASTIC; GIS; groundwater vulnerability; pollution; Zhangji
