

Accepted Manuscript

Impact of the geological structures on the groundwater potential using geophysical techniques in west Bani Mazar area, El Minia – Western Desert, Egypt



Hussein Hosni Mahmoud, Adel Diab Mohammed Kotb

PII: S1464-343X(17)30140-1
DOI: 10.1016/j.jafrearsci.2017.03.024
Reference: AES 2860
To appear in: *Journal of African Earth Sciences*
Received Date: 21 November 2016
Revised Date: 16 March 2017
Accepted Date: 21 March 2017

Please cite this article as: Hussein Hosni Mahmoud, Adel Diab Mohammed Kotb, Impact of the geological structures on the groundwater potential using geophysical techniques in west Bani Mazar area, El Minia – Western Desert, Egypt, *Journal of African Earth Sciences* (2017), doi: 10.1016/j.jafrearsci.2017.03.024

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Groundwater in the study area can be extracted from fractured Eocene limestone layers.
- Groundwater is occurred under confined conditions.
- Geoelectrical layers B₁ and B₂ are suitable for groundwater exploitation.
- A decision map to select the best sites for drilling new productive wells was constructed.
- Based on the obtained results of this study, a productive well was drilled on the southeastern part of the study area.

Download English Version:

<https://daneshyari.com/en/article/5785469>

Download Persian Version:

<https://daneshyari.com/article/5785469>

[Daneshyari.com](https://daneshyari.com)