

# Accepted Manuscript

Geological and geophysical investigation of water leakage from two micro-dam reservoirs: implications for future site selection, northern Ethiopia

Gebremedhin Berhane, Mogos Amare, Tesfamichael Gebreyohannes, Kristine Walraevens



PII: S1464-343X(16)30420-4  
DOI: 10.1016/j.jafrearsci.2016.12.015  
Reference: AES 2760  
To appear in: *Journal of African Earth Sciences*  
Received Date: 19 May 2016  
Revised Date: 15 December 2016  
Accepted Date: 22 December 2016

Please cite this article as: Gebremedhin Berhane, Mogos Amare, Tesfamichael Gebreyohannes, Kristine Walraevens, Geological and geophysical investigation of water leakage from two micro-dam reservoirs: implications for future site selection, northern Ethiopia, *Journal of African Earth Sciences* (2016), doi: 10.1016/j.jafrearsci.2016.12.015

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**

- Geological factors considered into account in reservoir water leakage.
- Vertical electrical sounding and profiling integrated with other data for leakage zone delineation.
- Discontinuities, bedding planes and regional faults play a great role in leakage problems localized in sedimentary basins.
- Regional and local geology and hydrogeology have played a major role in the planning, design, construction and performance of the MDRs.

Download English Version:

<https://daneshyari.com/en/article/5785679>

Download Persian Version:

<https://daneshyari.com/article/5785679>

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