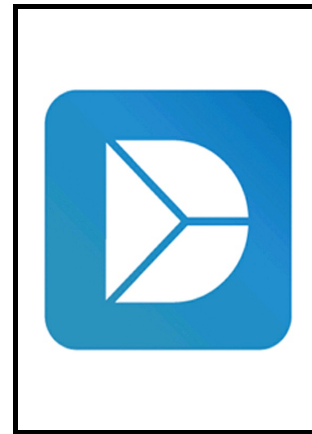


Author's Accepted Manuscript

Assessment of groundwater quality and evaluation of scaling and corrosiveness potential of drinking water samples in villages of Chabahr city, Sistan and Baluchistan province in Iran

Abbas Abbasnia, Mahmood Yousefi, Ali Akbar Mohammadi, Hassan Pasalari, Majid Mirzabeigi, Amir Hossein Mahvi, Ramin Nabizadeh, Mahmood Alimohammadi



www.elsevier.com/locate/dib

PII: S2352-3409(17)30599-1
DOI: <https://doi.org/10.1016/j.dib.2017.11.003>
Reference: DIB1902

To appear in: *Data in Brief*

Received date: 10 September 2017
Revised date: 23 October 2017
Accepted date: 1 November 2017

Cite this article as: Abbas Abbasnia, Mahmood Yousefi, Ali Akbar Mohammadi, Hassan Pasalari, Majid Mirzabeigi, Amir Hossein Mahvi, Ramin Nabizadeh and Mahmood Alimohammadi, Assessment of groundwater quality and evaluation of scaling and corrosiveness potential of drinking water samples in villages of Chabahr city, Sistan and Baluchistan province in Iran, *Data in Brief*, <https://doi.org/10.1016/j.dib.2017.11.003>

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 galley proof before it is published in its final citable 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.

Assessment of groundwater quality and evaluation of scaling and corrosiveness potential of drinking water samples in villages of Chabahr city, Sistan and Baluchistan province in Iran

Abbas Abbasnia^a, Mahmood Yousefi^a, Ali Akbar Mohammadi^b, Hassan Pasalari^c, Majid Mirzabeigi^a, Amir Hossein Mahvi^a, Ramin Nabizadeh^a, Mahmood Alimohammadi^{a,*}

^a Department of Environmental Health Engineering, School of Public Health, Tehran University of Medical Science, Tehran, Iran

^b Department of Environmental Health Engineering, Neyshabur University of Medical Sciences, Neyshabur, Iran

^c Department of Environmental Health Engineering, School of Public Health, Iran University of Medical Science, Tehran, Iran.

* Correspondence: Department of Environmental Health Engineering, Tehran University of Medical Science, Tehran, Iran.

E-mail addresses: m_alimohammadi@tums.ac.ir (M.Alimohammadi).

Abstract

The aims of this study were to assess and analysis of drinking water quality of Chabahr villages in Sistan and Baluchistan province by water quality index (WQI) and to investigate the water stability in subjected area. The results illustrated that the average values of LSI, RSI, PSI, LS, and AI was 0.5 (± 0.34), 6.76 (± 0.6), 6.50 (± 0.99), 2.71 (± 1.59), and 12.63 (± 0.34), respectively. The calculation of WQI for groundwater samples indicated that 25 % of the samples could be considered as excellent water, 50 % of the samples were classified as good water category and 25 % of the samples showed poor water category.

Keywords: Groundwater quality, WQI, Scaling and corrosiveness potential, GIS, Chabahr

Download English Version:

<https://daneshyari.com/en/article/6597289>

Download Persian Version:

<https://daneshyari.com/article/6597289>

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