

Interactive comment on “Optimal well locations using genetic algorithm for Tushki Project, Western Desert, Egypt” by S. Khalaf and M. I. Gad

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- (1) The language of the paper needs to be improved with correct grammar and proper formulation of sentences.
- (2) Drainage network may be included in the study area map.
- (3) Please review the following statement on line number 25 on page 8 - "general groundwater flow is from SW to NE direction (also similar statement on line 20 on page 10)" - however from Figure 4, the groundwater flow direction appears to be SE to NW ???
- (4) Please correct the following statement on line numbers 26-28 on page 8 - "The

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groundwater flow rate was estimated as 0.044 m/day (near Nasser Lake) and decreased to 0.044 m/day towards northwestern parts" (both figures are mentioned as 0.044 ???).

(5) Variable head boundary is not visible in Figure 5 on page 35.

(6) "El-Sabry" (2010) in the Reference list has been mentioned as "El-Sabri" in the text (on pages 8, 16, 34). Please correct the name.

(7) Few study area features (lake location/drainage) may be included in Figure 10 on page 41.

(8) The following references are missing from the reference list -

Holland (1975) - mentioned on line number 7 on page 3
Karahan and Ayvaz (2005) - mentioned on line number 13 on page 4
Ayvaz and Karahan (2008) - mentioned on line number 14 on page 4
WRRI (2002) - mentioned on line number 11 on page 9
DRC (2012) - mentioned on line number 11 on page 10 and line number 10 on page 11

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 11395, 2014.

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