

Interactive comment on “Faulting patterns determining groundwater flow paths in the Lower Yarmouk Gorge” by Nimrod Inbar et al.

Anonymous Referee #1

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Major comment: On figure 4, it seems there are no faults leading to the springs of Hamat Gader. Please explain better how water reach those springs? or suggest an alternative strategy to overcome this issue. Minor comments: Line 20: suggest change ‘were previously’ to ‘were so far’ or ‘remain until now’ Line 22: reads like the fault was ‘constructed by’ you. . . should be ‘followed a compilations and revisions of. . .’ p.3, and Line 110: the Authors have clearly tried to avoid the notion of Israel and Jordan, yet, as observed in the top paragraph this task is not viable. Please add the Israel and Jordan at least to the introduction and map 1.

L126: Fig 3 shows map not cross section.

References: - Suggest to add: Starinsky, A., Kats, A., Levite, D. (1979). Temperature-composition-depth relation in rift Valley hot springs Hamat Gadder, northern Israel.

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Chem. Geol. 27, 233-244

Table 1: - add row for short name as appeared in Figures. - Standard the capitalization on lithology row. Fig 2: - Perhaps add the in-interpreted section as well in the time domain? - On the interpreted sections add units name or numbers (e.g. for Turonian, Jurassic etc) Fig 3 and 4a: - Seems overlapping. Maybe choose on them? Fig. 4: - Split to two figures- one for the map other for the cross section, and give proper titles. - change W-E to SW-NE - I found it strange that the markers are faulted (shifted vertically) , yet you state there is no fault.

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