

Interactive comment on “Hydrochemical and isotopic evidences for deciphering conceptual model of groundwater salinization processes in a coastal plain, north China” by Dongmei Han

Anonymous Referee #2

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General comment

The paper by Han describes the groundwater salinization processes and its inducement of a coastal aquifer. In the paper, a database of chemical and isotopic data is discussed to evaluate the hydrogeochemical processes governing groundwater flow in the aquifer and the overall quality of the water resources. The paper is mainly descriptive, and applies some geochemical processes to explain the behavior of the aquifer. Nevertheless, the way it has been focused is constrained to a regional study. The introduction is overelaborate without giving a straightforward idea of what the paper would like to present. The way how the geochemical data is explained is pretty much like

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those papers that are cited in the references. Meanwhile, it lacks new understandings of coastal auifers in general. The paper is organized in some way but for a publication in a top Internation Journal, I consider that it does not constitute a valuable scientific contribution.

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