

Review of: "Saltwater Intrusion in Coastal Aquifers: A Comprehensive Review and Case Studies from Egypt"

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Potential competing interests: No potential competing interests to declare.

The review article examines the phenomenon of direct saltwater intrusion in coastal areas. It offers an in-depth analysis of the principles and mechanisms underlying seawater intrusion, explores various methodologies for studying this issue along the coastline, and discusses different recharge strategies aimed at mitigating seawater intrusion in these regions. Additionally, the article highlights the limitations associated with these techniques. In summary, it serves as a comprehensive review of the subject of direct seawater intrusion, and I commend the authors for their diligent work.

The topic is both intriguing and significant. My decision is to accept the manuscript with some minor suggestions.

1. In the literature section, include a review that contrasts with the findings in Egyptian Studies.
2. In section 7, specifically under 7.1, it is essential to reference particular remote sensing techniques utilized for the delineation or identification of groundwater potential or recharge zones, rather than employing the generalized term "remote sensing."
3. In the equation, the parameters H_s and H_f are represented identically.
4. Emphasize the importance of case studies in comprehending regional issues and devising effective strategies for resolution.