

***Interactive comment on “Satellite data interpretation of causes and controls on groundwater-seawater flow directions, Merseyside, UK: implications for assessing saline intrusions” by S. Mukherjee et al.***

**S. Mukherjee et al.**

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I am thankful to the Anonymous Referee #1 in all his points to improve the paper “Satellite data interpretation of causes and controls on groundwater-seawater flow directions, Merseyside, UK: implications for assessing saline intrusions”. Following minor changes may kindly be done:

1. Abstract, line 3: “by”, not “my”.
2. Abstract, line 4: “numerous faults with vertical displacements of 300m. (as much word removed)
3. Results, line 10: “than” not “that”.

4. Discussion, line 22: This model coincides with the already established fact that in the areas where the water table falls below sea level, the flow is from the sea to the aquifer.

5. Chapter 7.3, line 8: The role of faults in controlling groundwater discharge (to the river) adjacent to areas with relatively elevated water tables has been confirmed using satellite data.

6. Chapter 7.3, line 16: Please read the entire sentence as following: Wherever sand is present in the opening of the fault, it allows the water to flow both sides, whereas, wherever clay is present, water is not allowed to move both sides. Thus presence of sand (in the fault opening) makes mixing of groundwater and estuary water possible.

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Interactive Discussion

Discussion Paper