

Response to editor's comments on the manuscript **The impact of suspended sediments on exchange flow in a macrotidal, hyperturbid estuary** #egusphere-2025-6311

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April 1, 2026

We would like to thank you for accepting our paper for publication. We have addressed all your comments, checked the references, corrected figure labels and fixed several typos in the document. In a few places, we have also made minor modifications to improve the readability of the document. Please, refer to the new version of the document with tracked changes to check all changes.

In the following, in blue are presented the comment's by the editor and in black are our responses.

Dear Dr. Rojas and co-authors,

Thanks for your revised manuscript which included changes made after the comments by two referees. I am satisfied with your responses to these comments and the changes made in the manuscript. Your manuscript is accepted for publication.

Thanks!

After reading, I prepared a list with minor and technical comments, which is listed below. Before submitting the final manuscript files, please account for these comments.

Please check your list of references for completeness and corrections. I listed quite a few, but there may be more.

In figures and figure captions, please use only lower-case letters for indicating panels

Done. In the case of Figures 3 and 4, the labels were modified in the figure itself and the caption.

L1 with regard to (instead of: to the consideration of) L5 The bulk values of TEF inflow . . .

L8 suppresses L9 . . . during spring tides at, and upstream of, the ETM . . . (use comma's) L11 upper reaches (insert space)

L13 delete: the consideration of L13 in estuarine studies (in not on) L118 Please add a real reference to these data in the reference list. If only a website, add when the site was accessed

L134 Modify to: Quantification of water density - with and without suspended sediments (no capitals; replace & with and) L222 maintains

L225 ... the passive model (ρ_{sal} , Figure 2d) on intratidal time-scales, as ... (couple both sentences as the second part is not a correct sentence)

L237 is, not was (As the river discharge decreases, the longitudinal density gradient ... is enhanced) (tenses should comply) L241 delete continually (as you do not know that from only three locations)

L244 ... peaks at ... (add at) L248 ... decreases to values near zero ... L251 ... although only slightly.

L281 zero, not null L316 shows L325 delete the first comma

L344 magnitudes L345 Please use format 11 March, 12 April, 9 May, also at other places in the manuscript L358 delete comma

L358 interacts L376 cannot (no space) L378 was, not were

L379 decreases L380 ... whereas it increases ... L407 requires, not needs

L409 constraints L412 delete: In this study, L423 please write out full SIPS because it is only once before used in this manuscript

L442-443 "This is the first time a study analyzes the effects of suspended sediments concentrations over the total exchange flow methodology." This sentence seems a bit strange to me. Delete the last word? Another word for "over"?

L452 is, not are

All of these have been corrected. Thanks!

References L485 please correct journal title

L493 delete: publisher: Annual Reviews

L497 delete: publisher: IAHR Website

L525-526 This reference seems to be not complete

L531 delete: publisher: Copernicus GmbH

L542 delete: section: 13

L544-545 Journal and pages missing

L546 Citation incomplete

L551-552 delete: publisher: American Meteorological Society Section: Journal of Atmospheric and Oceanic Technology

L554 delete: publisher: Copernicus GmbH,

L557 please correct journal title

L559 delete: , publisher: American Meteorological Society Section: Journal of Physical Oceanography,

L563-564 delete: publisher: American Meteorological Society Section: Journal of Physical Oceanography

L579 journal title and pages missing

L602-603 delete: google-Books-ID:59fEAQAQBAJ,

L605-606 delete: publisher: American Meteorological Society Section: Bulletin of the American Meteorological Society

L613-614 delete: google-Books-ID:SWtYEAAAQBAJ,

L628 delete: publisher: Taylor & Francis

With best wishes

Mario Hoppema

All the references have been corrected. Thanks!