

The authors have improved the manuscript and addressed nearly all comments.

However, some minor issues should be still considered before the final publication:

#### **General issues:**

**Pg 8, 215:** 'Then, from this point to a point located at about 4 km from the river mouth, all MXWL profiles start to drop, indicating that there is a compounding effect of the discharge and the tide.' - I think it is not correct sentence. The drop itself does not mean the compounding effect. We can trace it also in Fig. 7, where the case without tidal forcing is shown. The reason of this drop lies in the topography details and riverbed area change. In some rivers, you can trace several such dropping of the level moving from upstream to the delta without any compounding effect. (Of course, these topography details can be also a reason that the tidal signal reaches the point). Please, put attention to this point and give an explanation of the drop in MXWL.

**Pg 8, 222-223:** 'This stream part, where both the river discharge and the tide control the MXWL, is called a mixed-energy region'

The definitions of the River-dominated and Mixed regions are not clear and contradictory to what we see in Figure 7. If we consider 2 cases with tidal forcing off and on and discharge equaled to 3000  $m^3/s$ , we clearly see, that the presence of tides influences the MXWL till 70 km! from River mouth (Figure 7). So based on this definition, the mixed region starts nearly from the border, where river source is prescribed. From another point of view, you can say, that the MXWL is defined by the river until MXWL reaches  $\sim 2m$ . Based on this definition you will get an extended River-dominated area compared to present in the manuscript, and this area will be getting larger increasing the discharge. There can be more definitions, please, clarify yours.

#### **Technical:**

**Pg 3, 58-63:** Can be shortened to the point: The area of interest represents well-mixed and relatively shallow water body. Therefore, we applied 2D barotropic solution to reduce computational costs.

**Pg 7, 172:** please, remove 'with satisfying frequencies' (you have already identified that in the beginning of the sentence, can be interpreted wrong).

**Figure 8:** Please, leave only one subpanel, e.g., (a).

**Table A3:** The details, which are the same for all experiments, can be identified in the Figure caption.

**Figure 3:** The Figure is nice, but the font is really small compared to other pictures.