

Supplement:

We present the longitudinal profiles of subtidal current and salinity along the channels in the main estuary and the sub-estuary during typical spring and neap tides. Fig. S1 is for the dry condition with $1500 \text{ m}^3/\text{s}$ at the head of the main estuary, and Fig. S2 for the extremely dry condition with $500 \text{ m}^3/\text{s}$ released at the head of the main estuary.

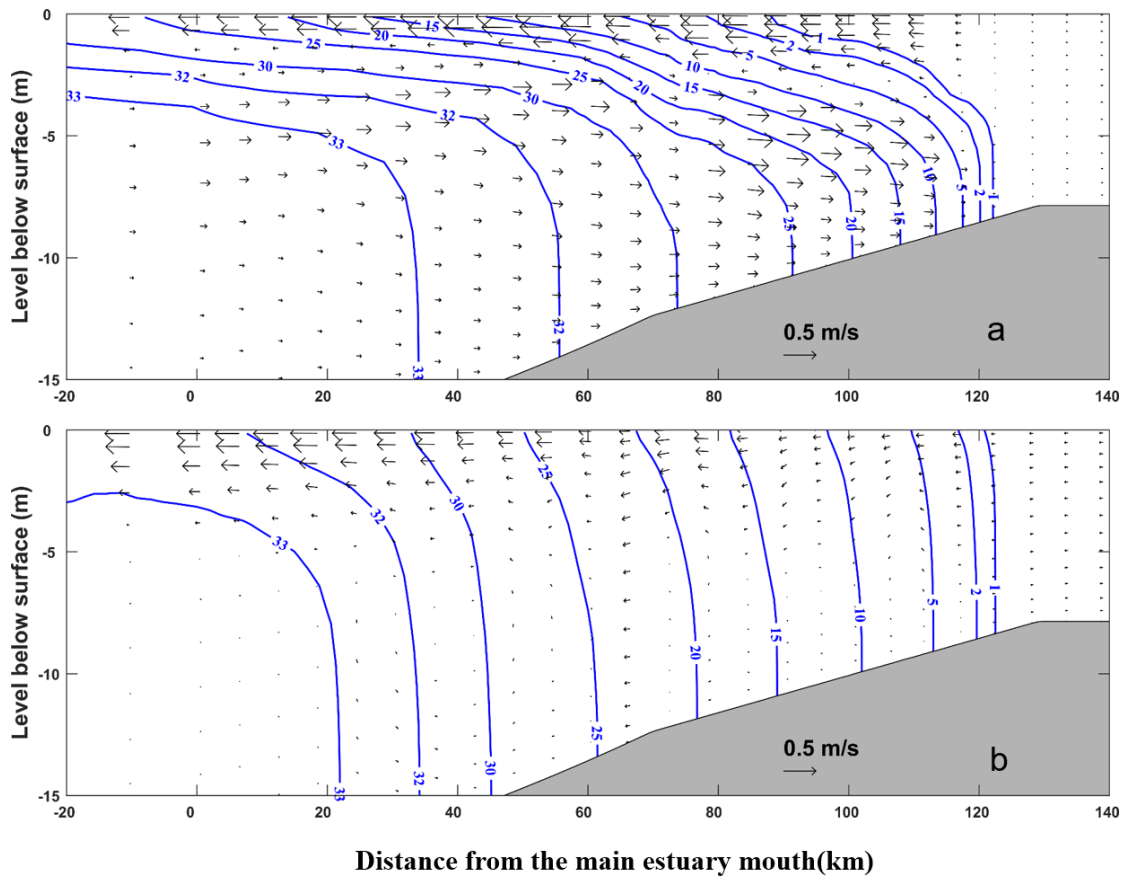


Fig. S1. The longitudinal profile of salinity and mean current in the main estuary under the river discharge of $1500 \text{ m}^3/\text{s}$: a) during a neap tide; b) during a spring tide.

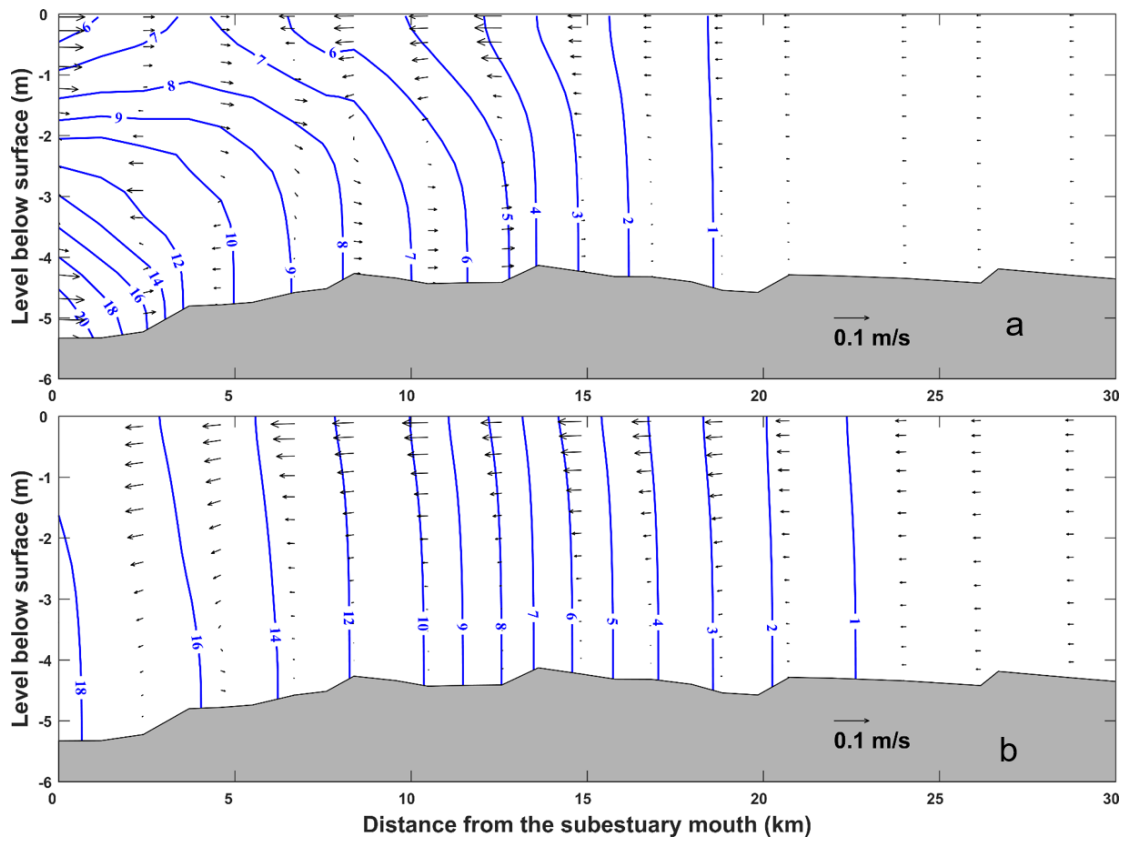


Fig. S2. The longitudinal profile of salinity and mean current in the main estuary under the river discharge of $500 \text{ m}^3/\text{s}$: a) during a neap tide; b) during a spring tide.