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Salt intrusion dynamics in a well-mixed sub-estuary connected to a partially to well-mixed main estuary

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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 m^3/s at the head of the main estuary, and Fig. S2 for the extremely dry condition with 500 m^3/s released at the head of the main estuary.

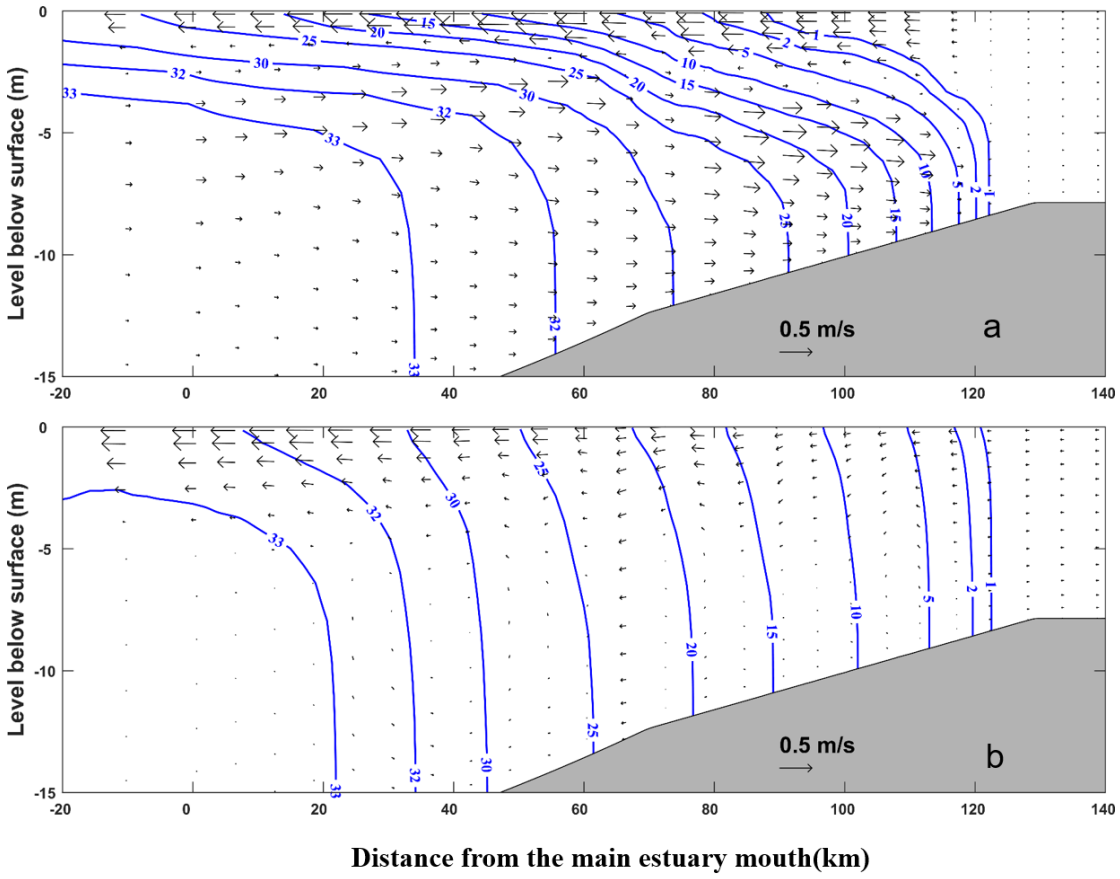

Fig. S1. The longitudinal profile of salinity and mean current in the main estuary under the river discharge of 1500 m^3/s: a) during a neap tide; b) during a spring tide.

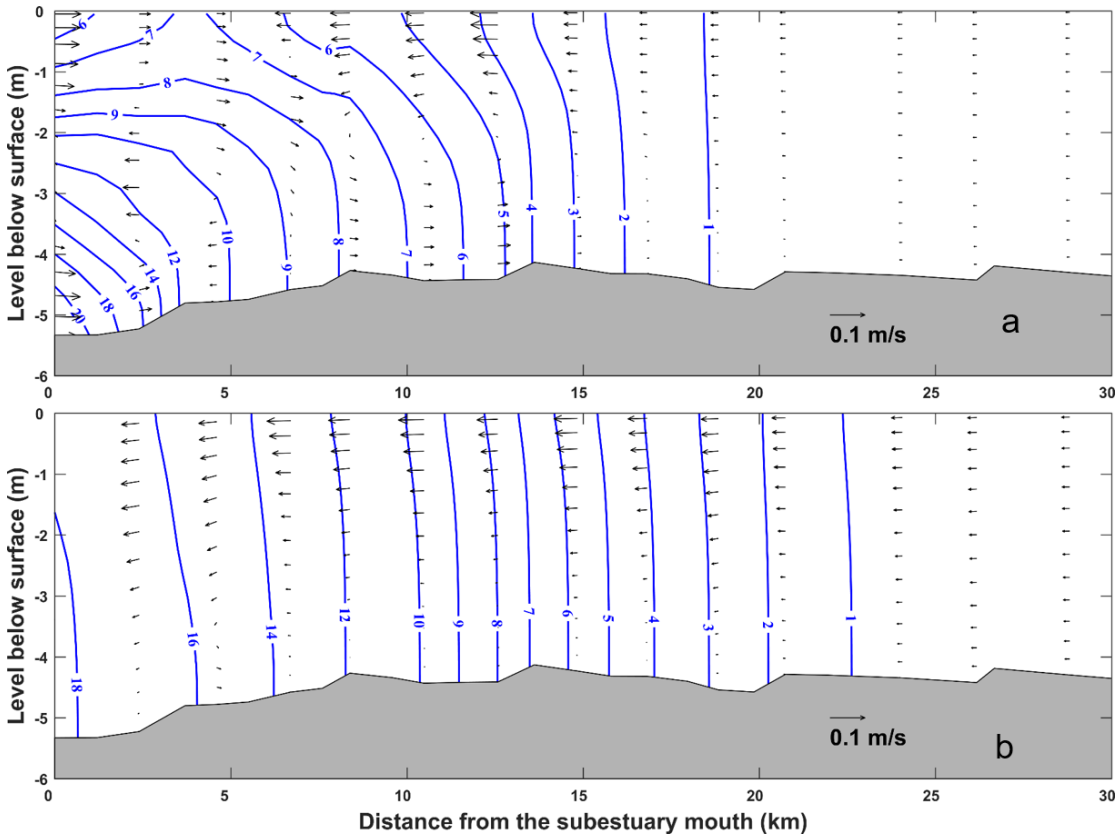

Fig. S2. The longitudinal profile of salinity and mean current in the main estuary under the river discharge of 500 m^3/s: a) during a neap tide; b) during a spring tide.