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Effect of tributary inflow on reservoir turbidity current

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Supporting Information for

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Figs. S1 to S3

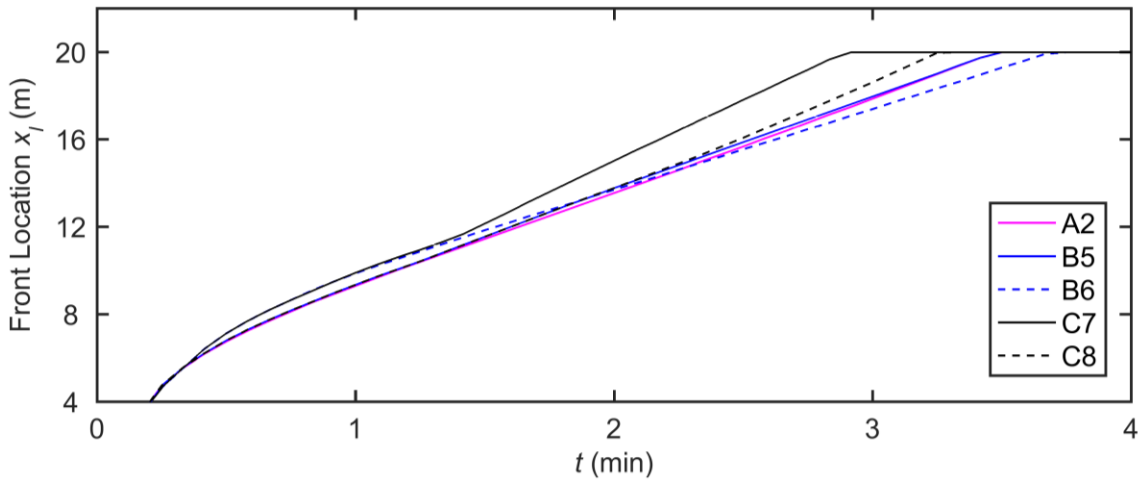

Fig. S1 Time history of turbidity current front at the middle of the MC at $y_l = 0$ m for Cases A2, B5, B6, C7 and C8 listed in Table 1

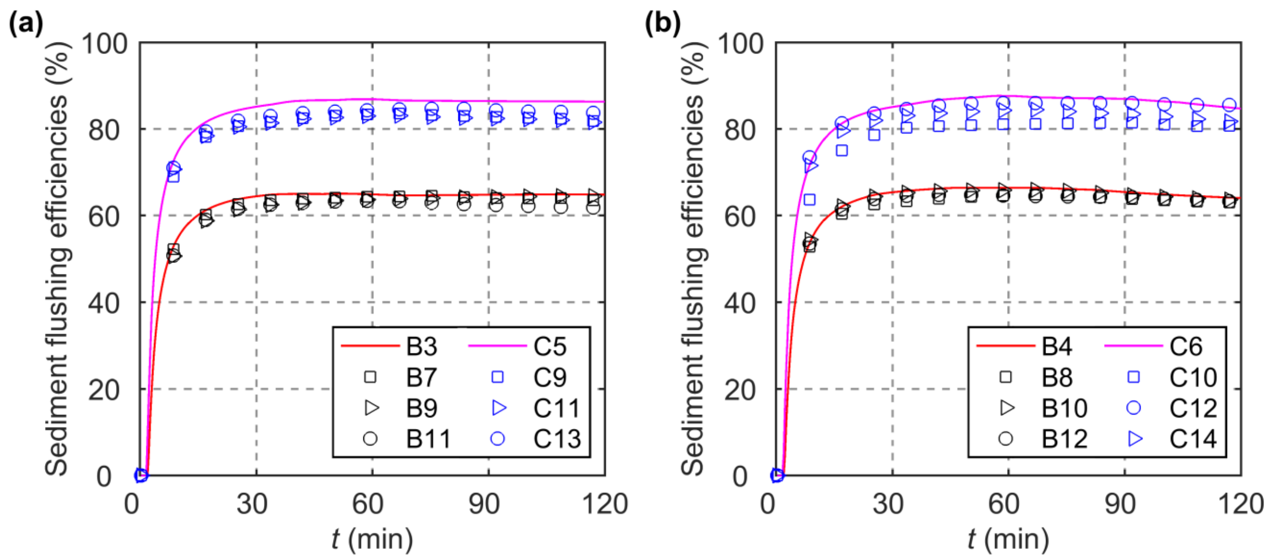

Fig. S2 Time history of sediment flushing efficiency for different tributary inflow conditions: **(a)** junction located upstream of the OSPP; **(b)** junction located downstream of the OSPP

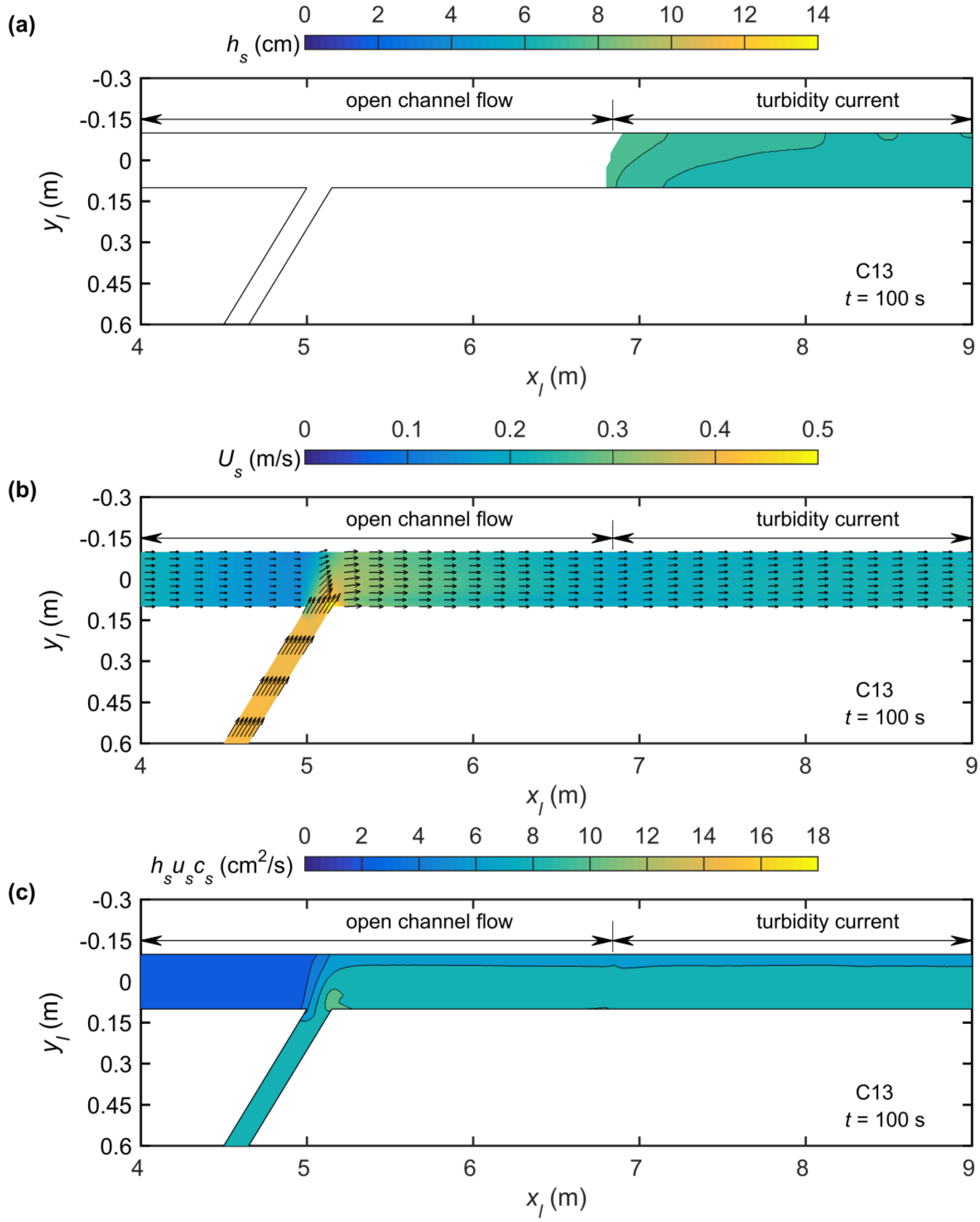

Fig. S3 Planar distributions of **(a)** turbidity current thickness h_s, **(b)** velocity field of sediment-laden flow layer, and **(c)** longitudinal sediment transport rate per unit width $h_s u_s c_s$ for Case C13 within the confluence at $t = 100\,\mathrm{s}$