School of Geosciences

 fourth-largest tidal range in the world – up to 14 meters roughly 700,000 cubic meters of sediment are added to the bay every year









map by James Martin

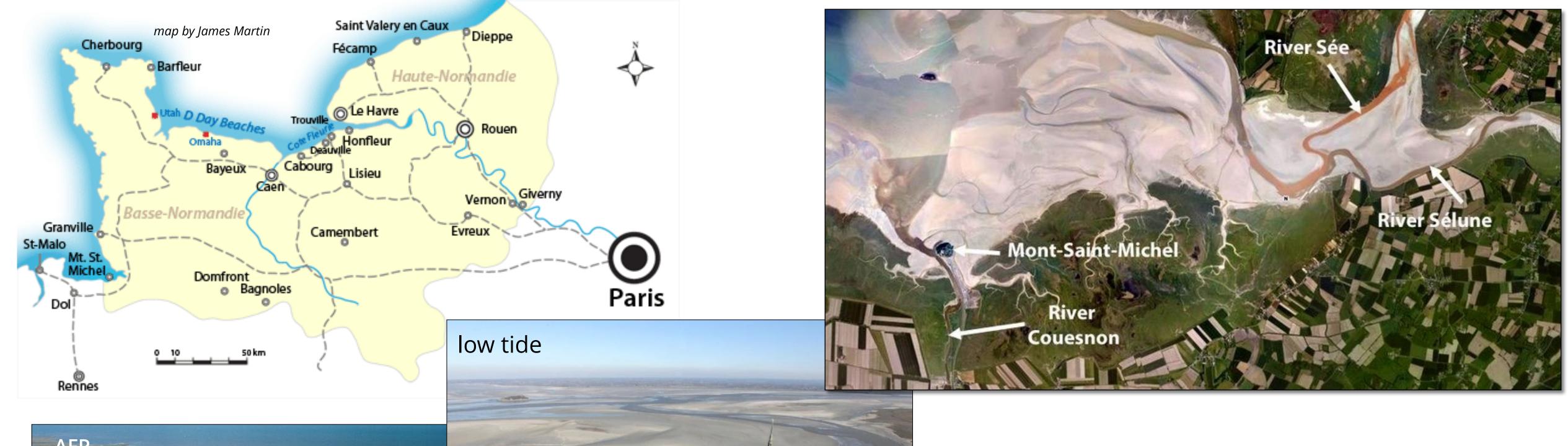
low tide





Physical modelling: laboratory models

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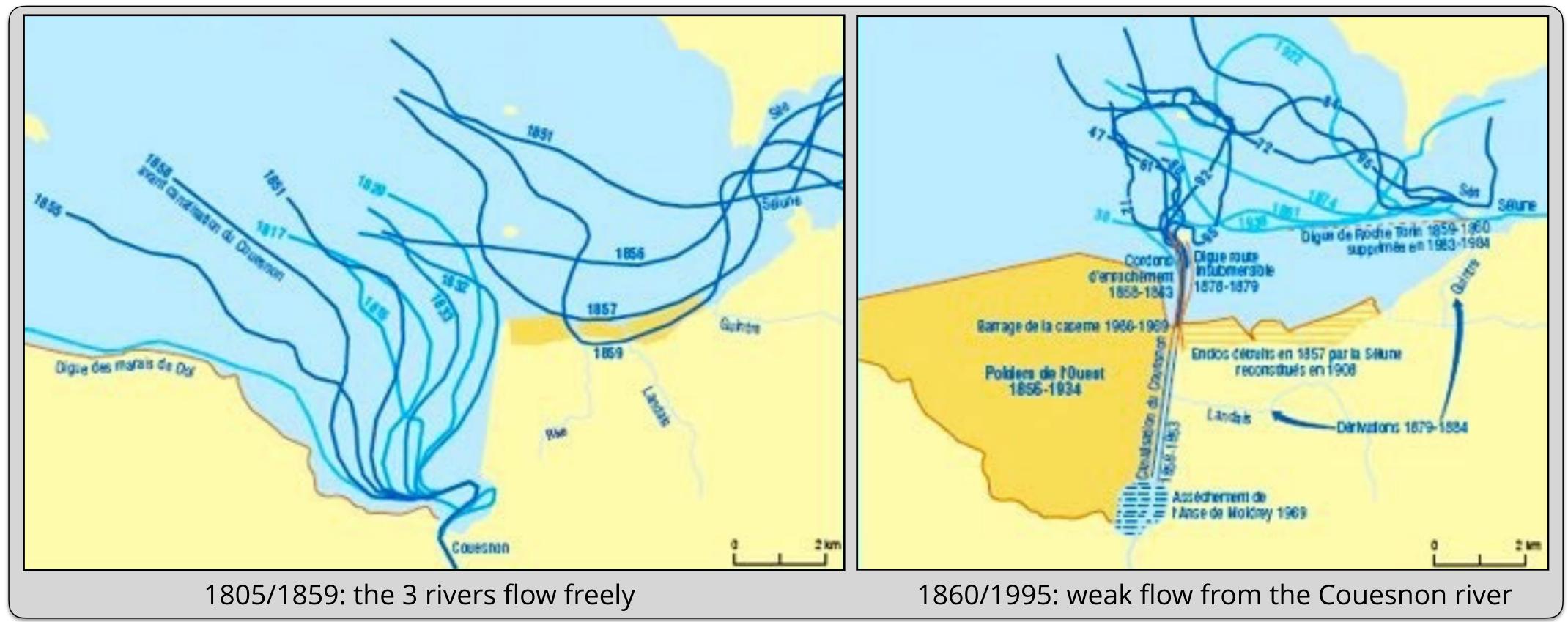




high tide

- fourth-largest tidal range in the world up to 14 meters
- roughly 700,000 cubic meters of sediment are added to the bay every year

Physical modelling: laboratory models



- 1850's: Rivers Sée and Sélune were eroding the agricultural area south of where they entered the bay, and a dike was constructed to force their flow further north.
- River Couesnon was completely controlled and "canalised" all the way out beyond Mont Saint-Michel itself
- in 1969, a dam was built across the Cuesnon that effectively ended the power of the river to flush sediment out into the bay