

Flood tide / Bore



Morecambe, United Kingdom



Anchorage, Alaska

The tidal bore is a phenomenon in which the incoming tide forms a wave rushing up river.

Conditions :

- Tidal range > 6 meters
- Estuary
- Shallow / narrow river

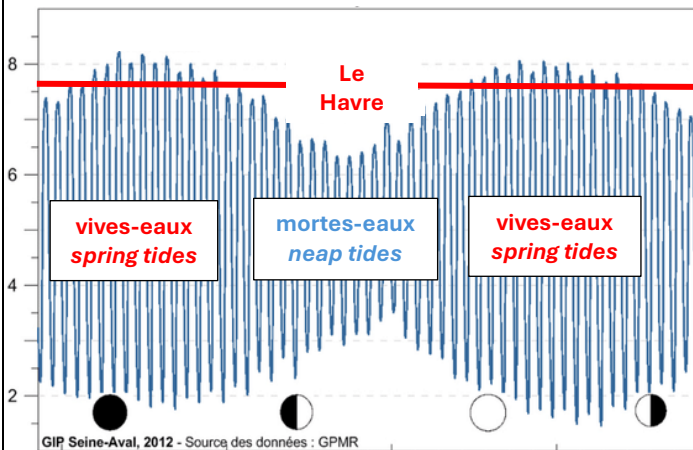


Due to dredging and dikes construction in River Seine, the tidal bore has become difficult to see.

In River Seine, tidal bore appears when :

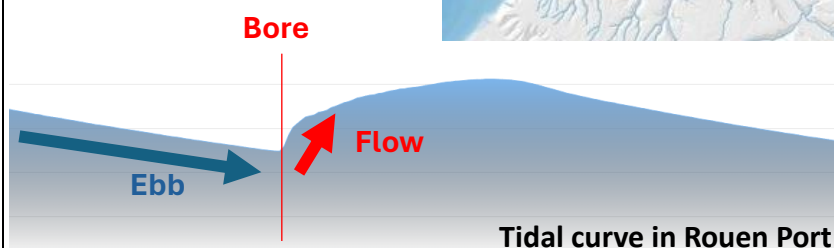
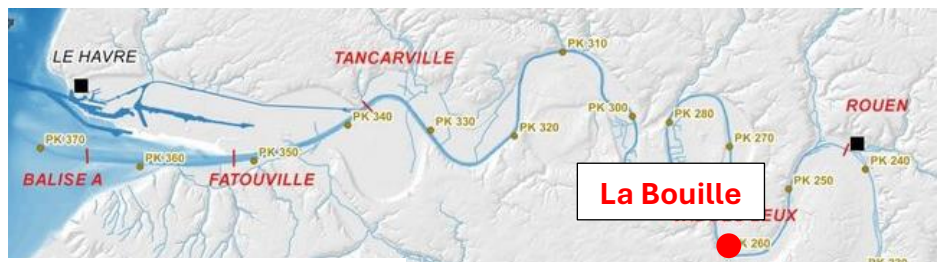
- High tide in « Le Havre » > 7.6 meters

- French tide coefficient > 85 (see tide tables)



Coefficient	Correspondance
120	Plus hautes marées astronomiques <i>Highest/Lowest Astronomical Tide (HAT)</i>
95	Marées de vives-eaux moyennes <i>Mean High/Low Water Springs (MHWS/MLWS)</i>
70	Marées moyennes <i>Mean Sea Level (MSL)</i>
45	Marées de mortes-eaux moyennes <i>Mean High/Low Water Neaps (MHWN/ MLWN)</i>
20	Marées de mortes-eaux

There is a sensor which permit us to detect when the bore is passing *La Bouille* and to announce it on VHF 73.



Bore strenght is difficult to foresee.
It depends on :

- Depht of the river**
- Wind conditions**
- Flow of the river**

