

## TIDES AND TIDAL STREAMS

*Height of Tide* The vertical distance between chart datum and the sea level.

*Spring Range* The difference in height between MHWS and MLWS.

*Neap Range* The difference in height between MHWN and MLWN.

*Charted Sounding* The depth to the sea bed below chart datum level.

*Drying Height* The heights above chart datum of features which are periodically covered and uncovered by the tides.

*High Water (HW)* The highest level reached by the tide in one tidal oscillation.

*Low Water (LW)* The lowest level reached by the tide in one tidal oscillation.

*Range of the Tide* The vertical difference in height between successive high and low waters.

*Duration of the Tide* The interval in time between successive high and low waters.

*Interval from High Water* The interval in time between a given time and the nearest high water. Either - (before) or + (after) high-water time.

*Rise* The vertical difference between the low-water height and the water level.

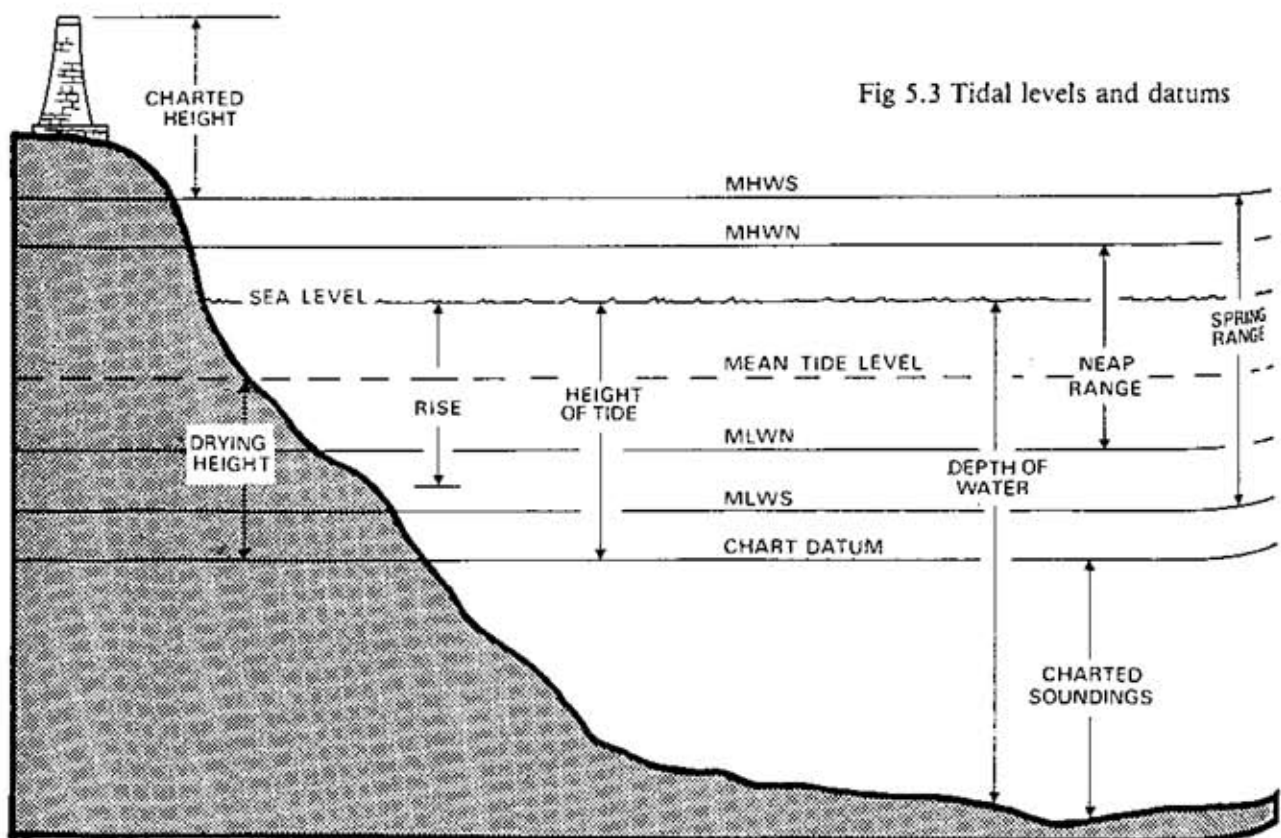


Fig 5.3 Tidal levels and datums