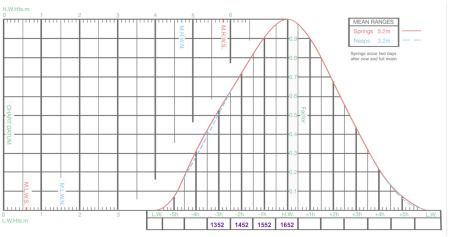
Tidal Curve

We can use a tidal curve to find the height of tide at any given time. Or the time when a given height of tide occurs.

1. Label time axis

Write HW time in the centre, then fill in the times before or after HW that we are concerned with.

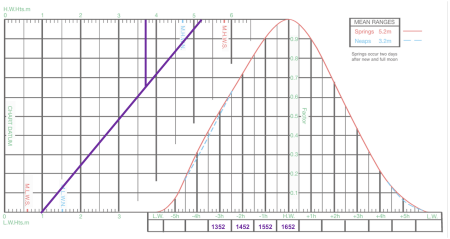


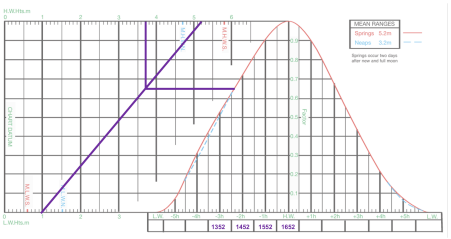
2. Height Diagonal

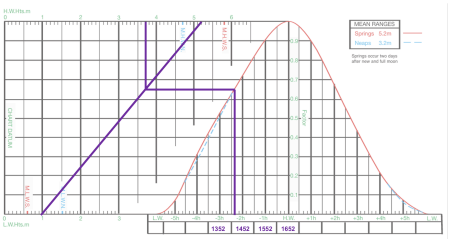
Here we note the HW and LW heights either side of the time we are concerned with. The HW height goes on the top axis and the LW height on the bottom axis. Join these up with a straight line.

3. Height to Time

To find the time a certain height of tide occurs. Find the height on either axis, draw up or down to the diagonal line. Draw horizontally to the spring or neap curve then down to the time axis to find the time of that height of tide.







4. Time to Height

To find the height of tide at a specific time we just reverse the previous steps. Time to curve, to diagonal, to height of tide at that time.