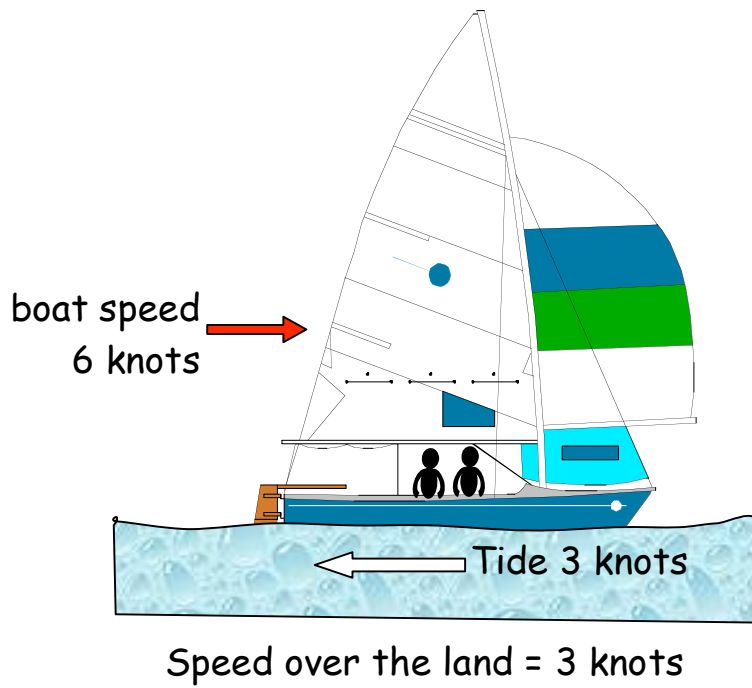
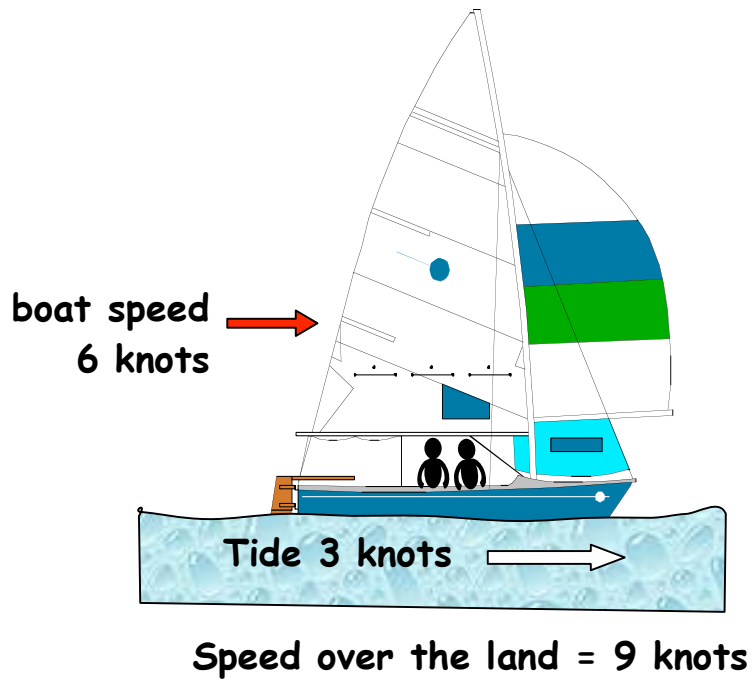


IYT / SiA Effect of the Tidal Stream

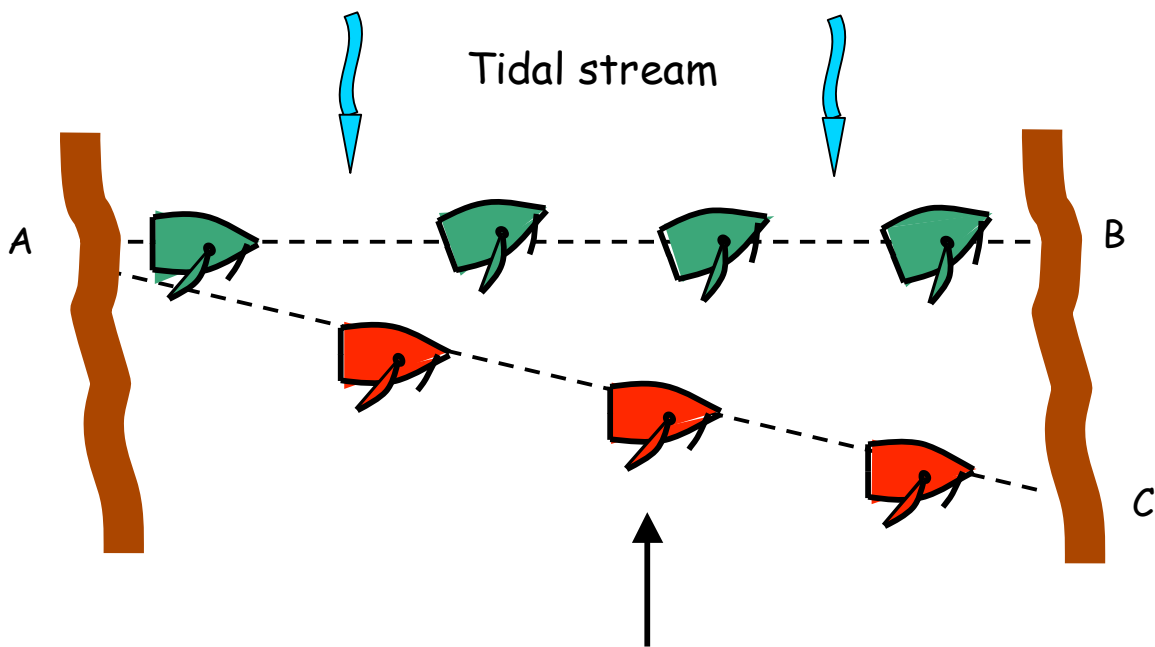


Effect of the Tidal Stream on Direction of Travel

The tide will push the boat sideways

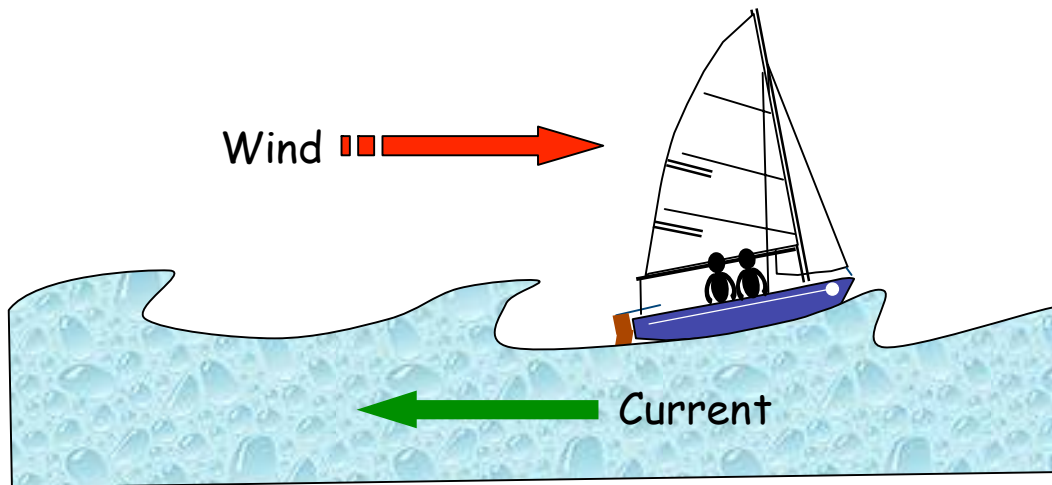
so

The green boat heads up into the wind slightly and ends up at its destination B

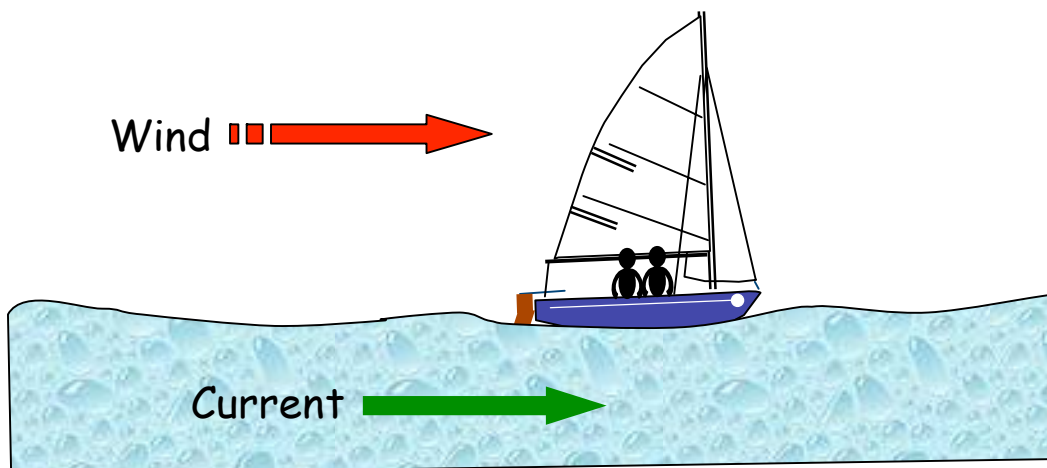


Without compensating for the tidal stream the red boat ends up downstream of its intended destination B

The relationship Between Wind and Tide



Wind against tide increases the surface friction and causes steep waves.



When the wind and tide are together there is little surface friction and the sea looks smooth.