

Hydrology

GCSE

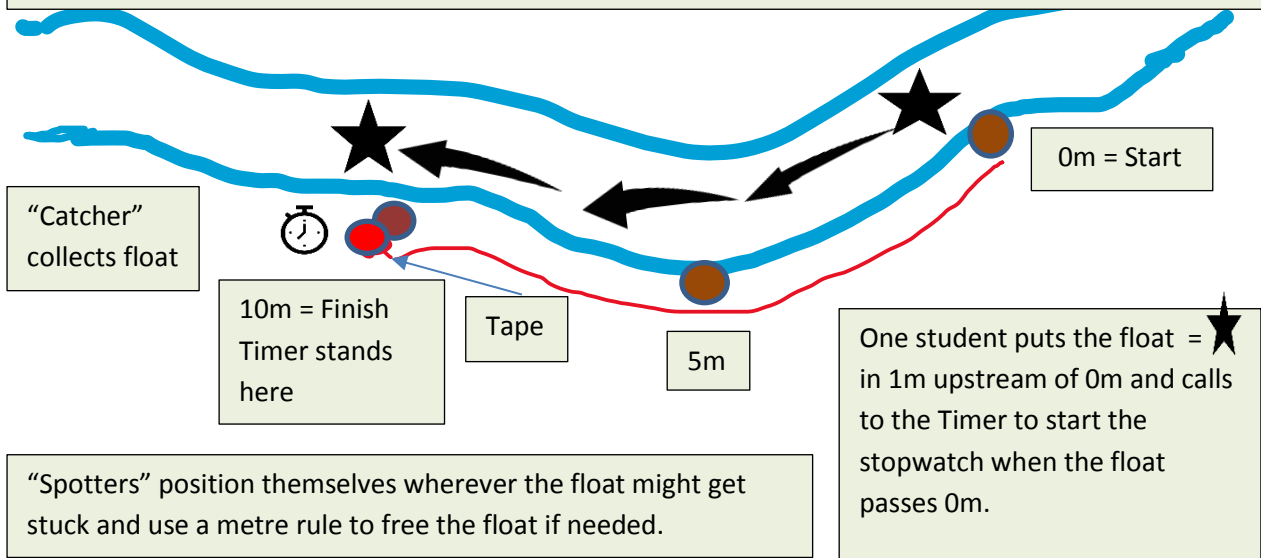
Your Group No: _____



Site Name: _____

Distance from source in kms: _____

GUIDANCE; SURFACE VELOCITY (speed): Your team will be given a 10m stretch of river. Starting at the upstream end stretch your tape 10m downstream and mark both ends and the middle with a bag =



RECORD	1 st run	2 nd run	3 rd run	4 th run	5 th run
Surface Velocity <i>How many seconds does it take the float to be carried 10m downstream?</i>					
	s	s	s	s	s

GUIDANCE for measuring the angle of the Long Profile **GRADIENT** (slope of river downstream) Because the river BED is very uneven we are going to measure the slope of the SURFACE of the water over 10m. So we stand a metre rule vertically on a rock or toe of a welly where the water is JUST skimming the surface at BOTH ENDS of our 10m stretch. Crouching downstream of the downstream ruler we line up the two sighting points of the trigger clinometer with the TOPS of the two metre rules. Hold it steady ~ squeeze the trigger ~ then let the trigger go to trap the protractor in position and read off the angle where the arrow says "READ HERE".

