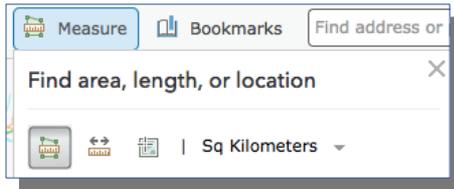


Ctrl-click [here to access the River Tees – Source to Mouth Story Map](#)

### 1) Drainage basin

a) Describe the shape of the Tees basin. [This map](#) will give you access to measuring tools under the **Measure** menu:



You will need to use points of the compass (NESW), distances in km and use words to describe shape.

### 2) Gauging stations

a) How do daily flow, elevation, land cover and rainfall change as you move from Harwood Beck to Low Moor? Summarise your findings in a table, like the one below.

Gauging station	Daily flow	Elevation	Land cover	Rainfall
Harwood Beck				
Middleton in Teesdale				
Barnard Castle				
Low Moor				

b) “**Moving from the source of the Tees, the daily flow...**” Try to complete this paragraph using information from your table. You DO NOT have to use all 16 facts.

### 3) Landscape

Using the “**Landscape**” map and the photographs in the “**Drainage basin**” tab, briefly describe the shape of the land and the features you might find in the Upper, Middle and Lower courses of the river. You can pan and zoom into the landscape map.

### 4) Geology

Will geology be the main factor governing how the Tees responds to heavy rain, or are there other factors involved.

### 5) Land quality and use

Describe how land use changes as you move from source to mouth.

### 6) Conservation: AONB and SSSI

Why is conservation, through the creation of areas such as AONBs and SSSIs, a good way to use the upper part of a Teesdale?

### 7) Flood risk

Using the flood risk map (and its legend – and remember you can zoom in and pan around), describe the pattern of risk of flooding between the source and mouth of the Tees.

### 8) The human impact

Using the information and links in the **Human Imprint** tab describe some of the changes humans have made to the Tees, its channel and valley.

9) Review your knowledge and understanding of the following terms:

Watershed	Lateral erosion	Meander	Bedload
Catchment	Vertical erosion	Suspension	Alluvium
Tributary	Interlocking spurs	Solution	Interception
Confluence	Flood plain	Traction	Infiltration
Long profile	Hydrograph	Saltation	Gorge

