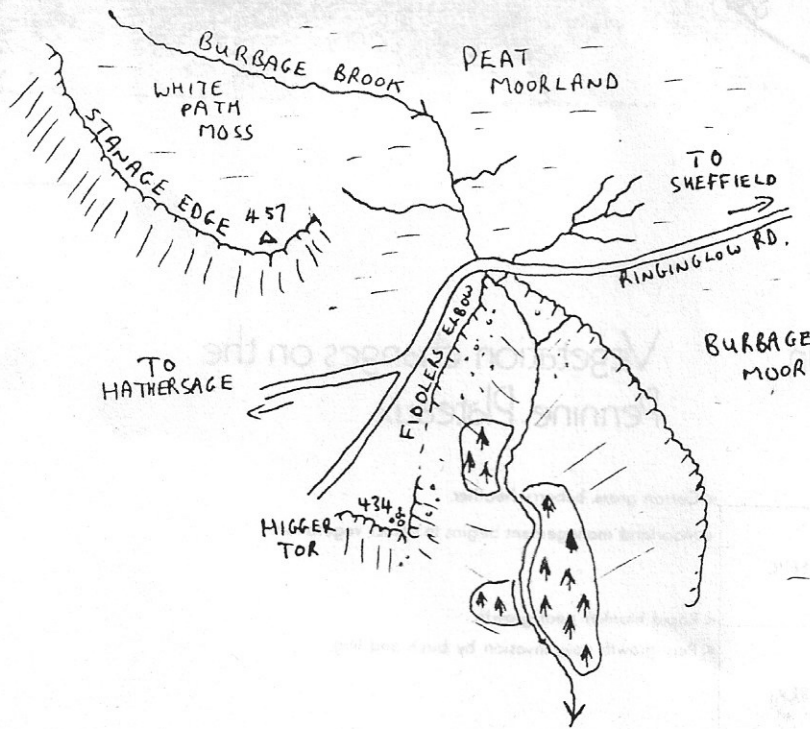


# A RIVER AND ITS VALLEY

## THE VALLEY

You will be studying the valley of BURBAGE BROOK. Burbage brook is a small stream found in the Peak District to the west of Sheffield. It rises on a GRITSTONE MOORLAND to the east of STANAGE EDGE. Initially it meanders over a level plateau of PEAT, cutting a narrow steep sided gully known as a GROUGH. South of Upper Burbage Bridge it descends rapidly and has cut a steep sided valley bounded by millstone grit edges; BURBAGE ROCKS to the east and FIDDLERS ELBOW to the west.



Vertical erosion by the stream has cut the steep-sided valley and more recently rejuvenation may have caused even more incision in the lower valley. The valley sides below the edges (cliff faces) are covered with gritstone blocks which have been broken off the edges by FROST SHATTERING. It is likely that much of this weathering and downslope movement took place in the periglacial times which followed the last glaciation. SOLIFLUCTION may have caused the downslope movement of debris and produced the hilltop and hillside tors.

The following 3 pages show the general characteristics of the valley-side slopes and the downslope vegetation changes.

