

Name _____ Class _____ Date _____

Identifying river features on OS maps and producing cross sections

- Know the features found in a river and identify them
- Understand six figure grid references and be able to use them
- Be able to produce a cross section from a map

The OS map below of the river Wye shows some river features that you will have learnt about. Your first task is linked to identifying features on the map.



Ordnance Survey for the map 'River Wye', © Crown copyright 2015 OS 100030901.

First, a recap on grid references: remember to go **along** the corridor and **up** the stairs.

Also remember that each large grid square is divided into a 10 x 10 grid.

The six figure grid reference for the phone box at A would be **along** the corridor to the grid line **before** the feature 181 then **up** the stairs to the line **before** the feature 389.

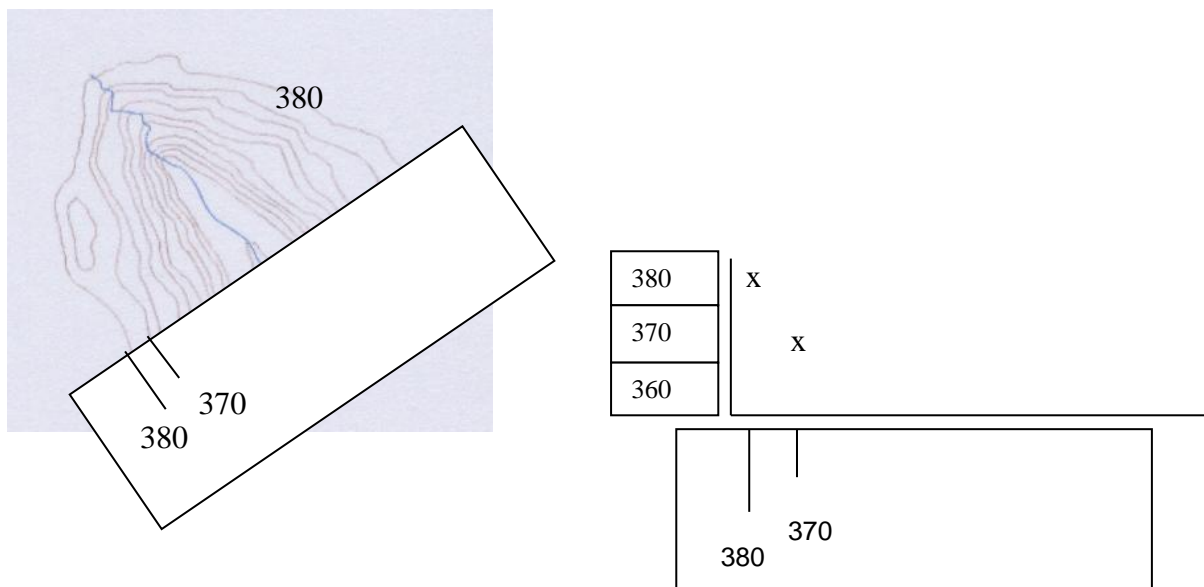
You should have recapped on six figure grid references and how to use them.

Floodplains on maps are identifiable as they are flat and have few contour lines that are widely spaced.

A waterfall is shown with the word 'Waterfall' displayed next to them.

A 'V' shaped valley can be seen where contour lines form a 'V' shape facing up a slope.

- 1 Use the map to identify the river features at
 - i 206 404
 - ii 198 408
 - iii 193 401
 - iv 195 409
 - v 218 380
- 2 Can you give the six figure grid reference for the waterfall in grid square 21 39
- 3 Follow the steps below to produce a valley cross section.
 - vi Take a piece of paper and place it across the section you studying.
 - vii Mark on each contour and the height of each contour.
 - viii On a graph put a scale on the Y axis, place the piece of paper along the X axis, where each contour line is mark on the height. Join the lines together to create the shape of the valley.



- ix Complete a cross section from point W to X on the map
- x Produce a second cross section for point Y to Z on the map
- xi Finally, working in pairs:
 - a) partner A describe the journey down the river from 216 397 to 198 408 describing the landforms you would see
 - b) partner B describe how people are using the floodplain in 18 40 and why this area is good for these uses.

I can...

- identify features of a river from a map
- use six figure grid references
- draw a valley cross section