Factors affecting flood risk

- Precipitation
- Urbanisation
- Steep
- Deforestation
- Geology
- Agriculture

Factors affecting flood risk

- Precipitation
- Urbanisation
- Steep
- Deforestation
- Geology
- Agriculture

Physical Landscapes in the UK - Rivers

Knowledge organiser

Upper Course Landforms

Formation of interlocking spurs:
Formation of V-shaped valley:
Formation of a waterfall and gorge:

Lower Course Landforms

Formation of levees:
Formation of flood plains:
Formation of estuaries:

Formation of Meanders and Oxbow Lakes

Formation of levees:
Formation of flood plains:
Formation of estuaries:

EXAMPLE: River Tees

Location —

Key Features —

Processes

Erosion:
Hydraulic Action –
Abrasion –

Transportation:
Traction –
Saltation –

Deposition:

Hydrographs

Lag time –
Peak discharge –
Rising limb –
Receding/falling limb –

Flood Management

Hard Engineering
Soft Engineering

EXAMPLE – Boscastle, Cornwall

Why it was needed:

Management strategies:

Issues that followed:

The long profile and changing cross profile of a river and it’s valley

Describe the changes in the gradient, processes and cross section

Features of a Drainage Basin

Source: 
Mouth: 
Tributary: 
Confluence: 
Watershed: 
Drainage Basin:

EXAMPLE: River Tees

Location —

Key Features —

Processes

Erosion:
Hydraulic Action –
Abrasion –

Transportation:
Traction –
Saltation –

Deposition:

Hydrographs

Lag time –
Peak discharge –
Rising limb –
Receding/falling limb –

Flood Management

Hard Engineering
Soft Engineering

EXAMPLE – Boscastle, Cornwall

Why it was needed:

Management strategies:

Issues that followed: