

# Pickering Beck flood management



## Aim:

Investigate flood risk around Pickering and how this can be managed.

## Learning Objectives:

- Describe hydrological processes (such as infiltration) and relate these to flooding.
- Consider how flood risk can be assessed and managed in a river catchment.
- Develop hydrological fieldwork skills (such as assessing flood risk).

## Key concepts:

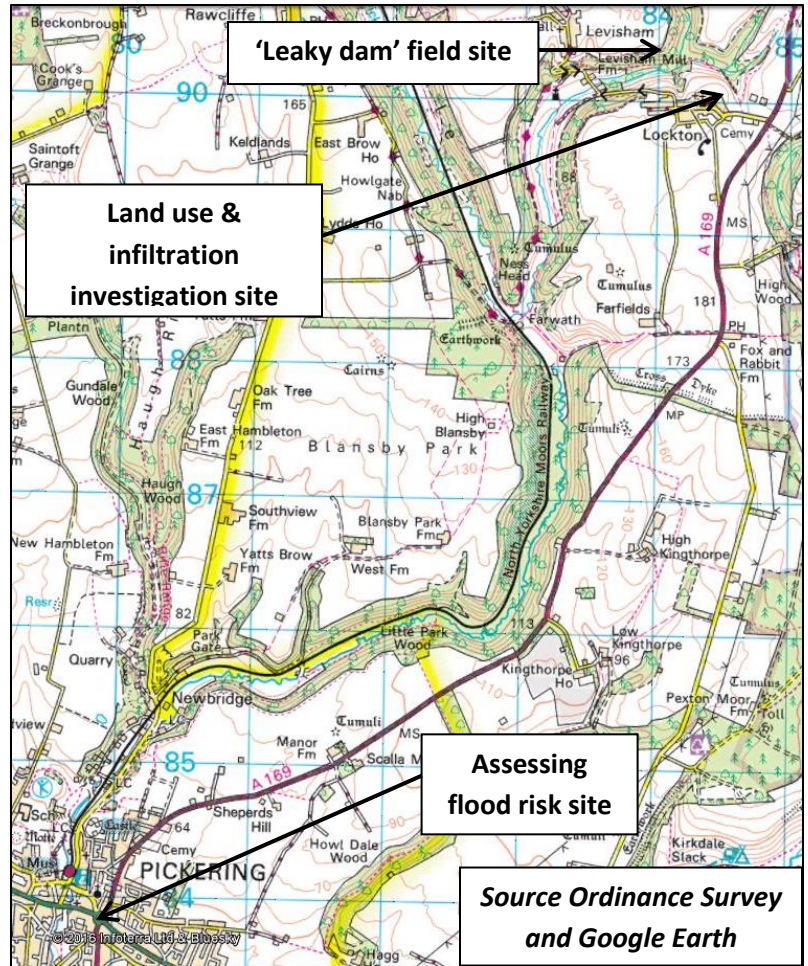
Discharge	Tributary	Confluence
Peak Discharge	Watershed	Drainage Basin
Gradient	Clinometer	Lag Time
Infiltration	Interception	River Efficiency
Soft Engineering	Land Use	Overland Flow
Hard Engineering	Hydrograph	Flood Risk

## Risks & managing risk (risk assessment)

**Drowning:** Work in groups and avoid deep sections of the river (over welly height)

**Water diseases:** Wash hands before eating and cover any open cuts.

**Traffic:** Follow the Green Cross Code & use pavements where possible.



Source Ordnance Survey and Google Earth

## Notes:

## Hypotheses:

Areas of high value land will be in areas at **greater/less** risk of flooding in Pickering.

Justification:

Infiltration rates will be **higher/lower** in woodland compared to farmland.

Justification:

Streams above 'Leaky dams' will have **more/less** holding capacity than areas close downstream.

Justification: