

Surface Water Flood Risk Assessment

Poor Parts
Hellifield Road
BB7 4LU

Background

This assessment supports a planning application for the conversion of a traditional stone barn to a 3 bedroom dwelling for local occupancy.

Poor Parts is located approximately ¾ mile north of Bolton-by-Bowland adjacent to the Hellifield Road.

The site includes the barn, a short access track and surrounding grassland.

Environment Agency flood maps show the site is within Flood Zone 1 for flooding from rivers and seas for the present day and including climate change 2070 - 2125. (See Annex A below).

Surface water flood maps show there is no risk for the annual likelihood of surface water flooding 1 in 30 year and 1 in 100 year scenarios

The maps show a risk of surface water flooding for the 1 in 1000 year period to the west of the barn.

This area is well outside the footprint of the proposed dwelling.

Annex B shows to 20cm for both the present and 2040 -2060 period as very low.

Summary

The area of surface water flooding is limited to a small area north west of the proposed dwelling.

The likelihood of flooding to 20cm is very low.

OS map data show the external barn walls at AOD 142.30m. The area shown as at risk of flooding is at AOD 142.20

The internal finished floor level will a minimum of 300mm above the 1 in 1000 annual risk of flooding.

The surface water flood risk is negligible.

Rivers and Seas

Datasets

- Flood zones 2 and 3
- Surface water
- None

Climate change

- Present day
- 2070 to 2125



Present day

2070-2125

- Flood zones 2 and 3
- Surface water
- None

Climate change

- Present day
- 2070 to 2125



Surface Water

- Flood zones 2 and 3
- Surface water
- None

Annual likelihood of flooding

- 1 in 30
- 1 in 100
- 1 in 1000



Annual likelihood of flooding 1 in 30

- Flood zones 2 and 3
- Surface water
- None

Annual likelihood of flooding

- 1 in 30
- 1 in 100
- 1 in 1000



Annual likelihood of flooding 1 in 100

Flood zones 2 and 3

Surface water

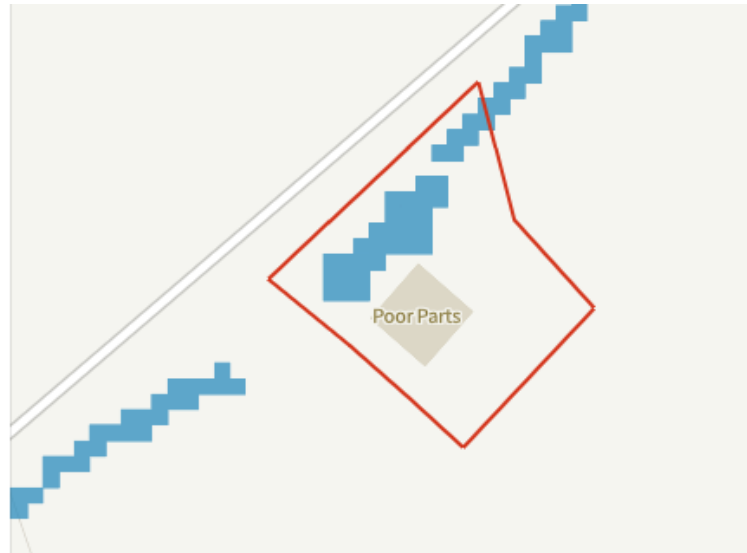
None

Annual likelihood of flooding

1 in 30

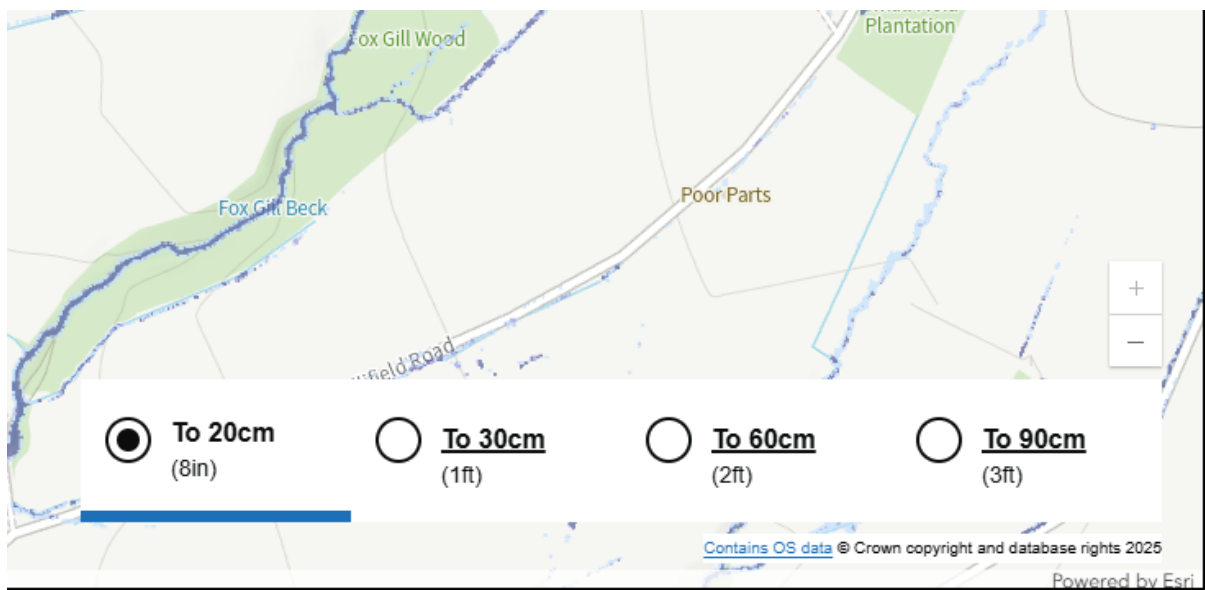
1 in 100

1 in 1000



Annual likelihood of flooding 1 in 1000

Annex B



No risk of flooding > 20cm