

Settlement: Willersley

Location of Investigation

Figure 1: Large Scale Map showing the location of Willersley

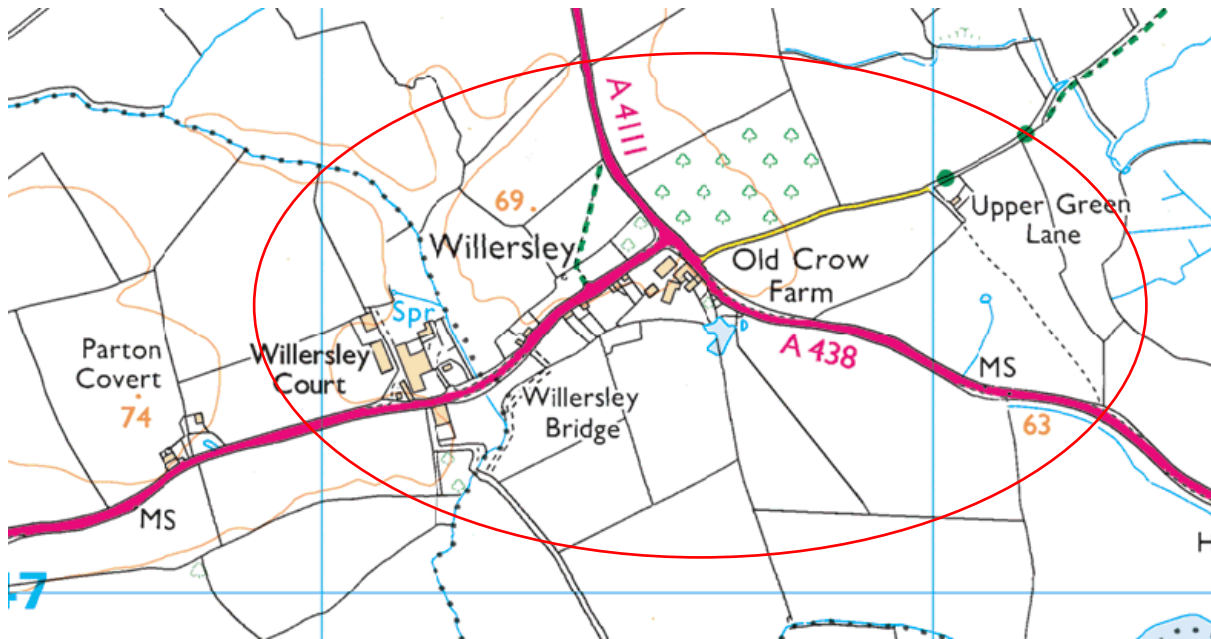


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



Date of key flood event	February 16 th 2020
Authorities with Flood Risk Management duties or functions relating to the event	Environment Agency Herefordshire Council Land Drainage Authority

The River Wye is designated as a Main Watercourse which therefore falls under the regulatory supervision of the Environment Agency.

Key Flood Event

Flood Type: Fluvial

Watercourse Catchment: River Wye

Five properties were reported as flooding internally in Willersley during February 2020. Internally, the properties recorded flood depths between 6 inches and 3ft, while in one case this reached 4ft externally.

Number of Internally Flooded Properties related to key flood event	5
Number of Internally Flooded Properties during most acute flood	5
Impact on Strategic Highway Network	None reported
Impact on Critical Services	None reported
Health Risks	No injuries or loss of life were reported

Description of Flooding

The Flood Map for Planning indicates that all the properties which reported flooding are within or adjacent to Flood Zone 3. The Surface Water Flood Map does not appear to show any significant areas of flood risk which are not shown on the Flood Map for Planning. This implies that the primary source of flood risk in the area is fluvial. This is supported by the respondents to the grant application and survey. Both the respondents who provided information on the source of flooding described flooding as having come from a watercourse. However, one of these respondents also described an overflowing ditch, a blocked gully and a blocked bridge or culvert.

Two unnamed tributaries to the River Wye flow close to the properties which reported flooding in February 2020 and the River Wye itself lies in close proximity, to the south of Willersley. The respondent who provided a description of the flood mechanism mentions water from The Wye.

A Road Closure was implemented on the A438 during the flooding.

Damage to Cultural Heritage Sites: 3 properties are located within the Flood Zone.

Previous reports of floods

Prior to the 16th February 2020 flood event, one previous flood event was reported as having occurred in 2014. HC do not hold any other records of historical flooding for this location.

Previous Flood Risk Studies

There are no flood risk studies previously undertaken at this location.

Conclusions

Fluvial flooding from the River Wye is the most likely source of flooding in this area but the tributaries to this watercourse may also have had an influence.