

Settlement: Whitney on Wye

Location of Investigation

Figure 1: Large Scale Map showing the location of Whitney on Wye

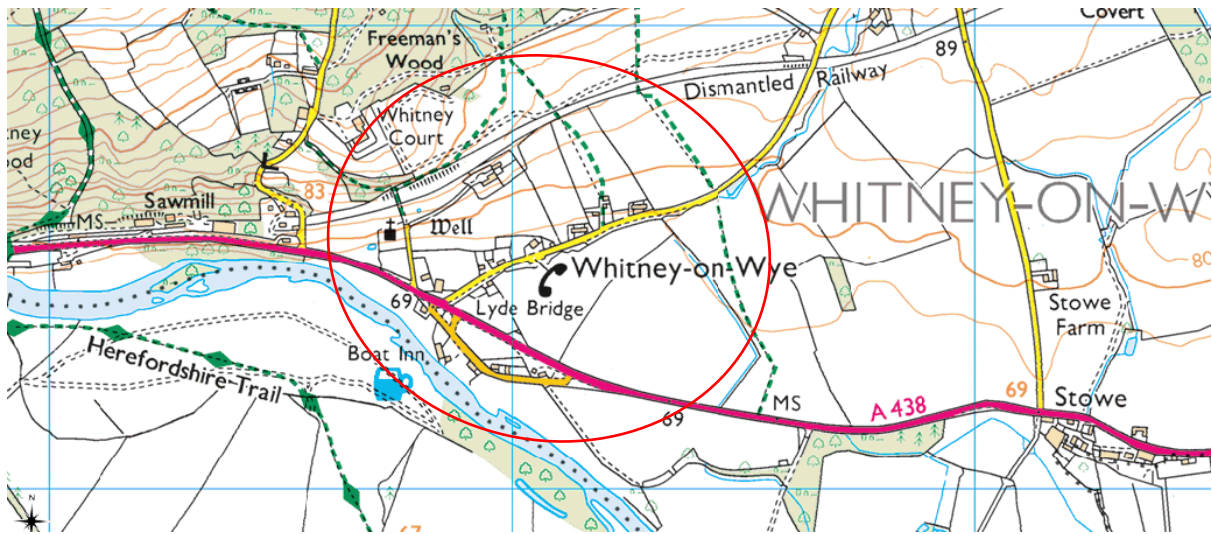


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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 River which therefore falls under the regulatory supervision of the Environment Agency.

A flood diversion channel exists, built as an overflow to the Millhalf Stream. The channel and penstock are subjected to an annual inspection, the last inspection was completed on X.

Key Flood Event

Flood Type: Fluvial

Watercourse Catchment: Millhalf Brook is a tributary of the River Wye.

Five properties are recorded as flooding internally in Whitney on Wye during February 2020. Internal depths of flooding were recorded as up to 1ft and lasting 1 to 2 days. One outbuilding was also reported to have flooded to a depth of 3ft. It is possible that other properties flooded, as much of the villages is in Flood Zone 3.

None of the respondents provide information of flooding prior to the event in 2020 but Herefordshire Council records identify an extensive history of flooding at this location.

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 Millhalf Brook flows through Whitney on Wye, discharging into the River Wye directly downstream of the village.

The diversion channel was built owing to concerns regarding fluvial flood risk from the Millhalf Brook. Immediately downstream of the A438 there is an old road crossing (Lyde Bridge). When the River Wye reaches a high level, the flow capacity at the bridge could be restricted.

All the properties which reported flooding in 2020 are located in Flood Zone 3 and the Surface Water Flood Map does not identify any other significant areas of flood risk around these properties which are not already covered on the Flood Map for Planning. This indicates that fluvial flows are likely to the present the highest risk of flooding in Whitney on Wye. However, the respondents did not provide any evidence on flood source or mechanism.

One of the properties located north of the A438 reported that the flooding lasted 24 hours. This indicates that the properties all flooded from the River Wye.

Damage to Cultural Heritage Sites: 2 listed properties are located within the Flood Zone.

Previous reports of floods

Prior to the 16th February 2020, there have been previous reports of historic flooding.

Previous Flood Risk Studies

Herefordshire Flood Alleviation Strategy 2010.

Conclusion

The most likely source of flood risk in Whitney on Wye is fluvial. However, the respondents did not provide any evidence on flood source or mechanism, so this assessment is based entirely on flood mapping.