

Settlement: Mordiford

Location of Investigation

Figure 1: Large Scale Map showing the location of Mordiford

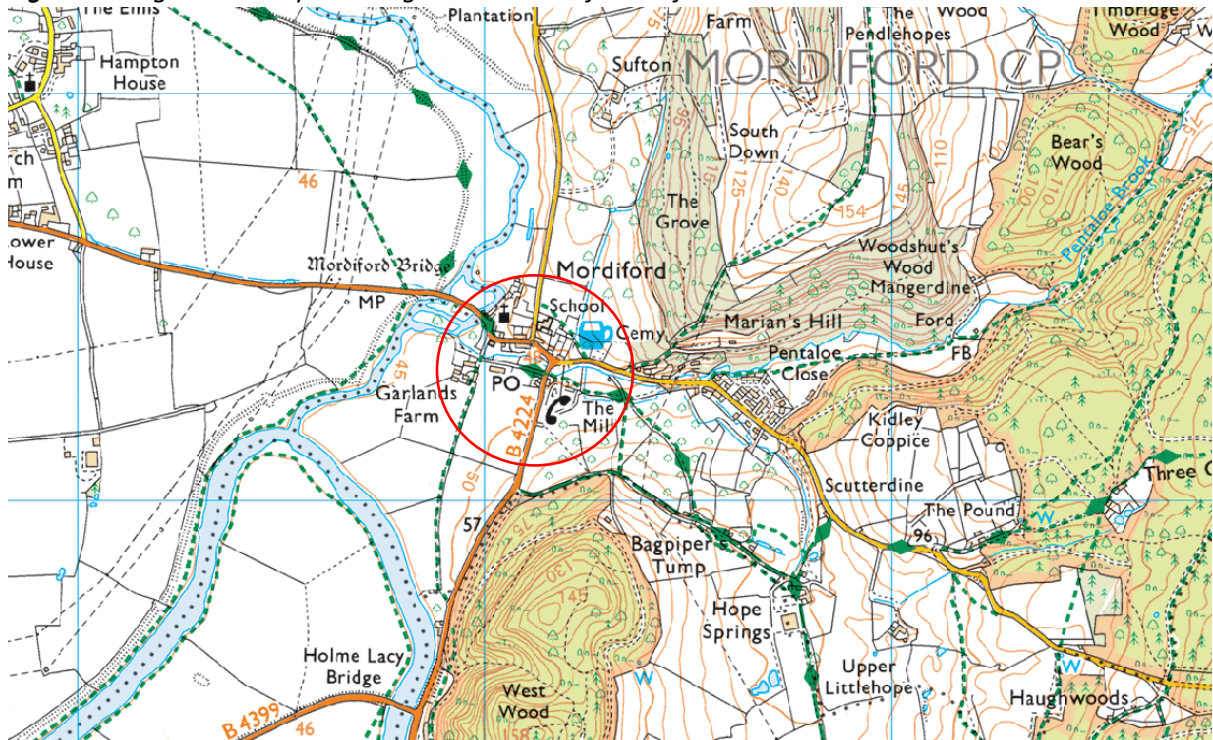


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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

Penteloe Brook is designated as an Ordinary Watercourse which therefore falls under the regulatory supervision of Herefordshire Council Land Drainage Authority. The River Wye and the River Lugg are main rivers and is under the regulatory supervision of the Environment Agency.

The Environment Agency maintains a Flood Defence Wall to the rear of some properties.

Key Flood Event

Flood Type: Fluvial & Surface Water

Watercourse Catchment: Penteloe Brook, Rivers Lugg and Wye.

Four properties are recorded as flooding internally in Mordiford during February 2020.

None of the respondents reported previous flooding incidents but Herefordshire Council records identify an extensive history of flooding at this location.

Number of Internally Flooded Properties related to key flood event	4
Number of Internally Flooded Properties during most acute flood	4
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

There was limited information presented by the community for this site.

The Flood Map for Planning indicates that the properties which recorded internal flooding in 2020 are located in or adjacent to Flood Zone 3. These properties are located directly adjacent to the Penteloe Brook, which discharges into the River Lugg within the village.

The Penteloe Brook is impacted by high Wye levels and so spills onto the Woolhope Road, this flooding mechanism has been documented in the Herefordshire Flood Alleviation Strategy. A video of the flooded road has been presented by a resident.

The Surface Water Flood Map also shows an area of flood risk arising from the Dormington road. Some properties in the locality have low thresholds and so are at risk of flooding during flash floods.

Damage to Cultural Heritage Sites: 6 listed properties/structures are located within the Flood Zone.

Road Closures: The B4399 from Dinedor Mill Bridge to the junction with B4224 was closed to traffic on 28th October 2019.

Previous reports of floods

Prior to the flood event on 16th February 2020, one previous flood is recorded as having occurred in 2012.

Previous Flood Risk Studies

Herefordshire Flood Alleviation Strategy 2010.

Conclusions

In February 2010 the Wye reached the highest recorded level at the Old Wye Bridge in central Hereford. A level monitor has since been installed on the River Lugg at Mordiford. The high river levels resulted in the road flooding which led to domestic flooding.

Natural Flood Management measures have been implemented on the Pentoloe Brook that will slow down the runoff rate within the river catchment.