

Settlement: Madley

Location of Investigation

Figure 1: Large Scale Map showing the location of Madley

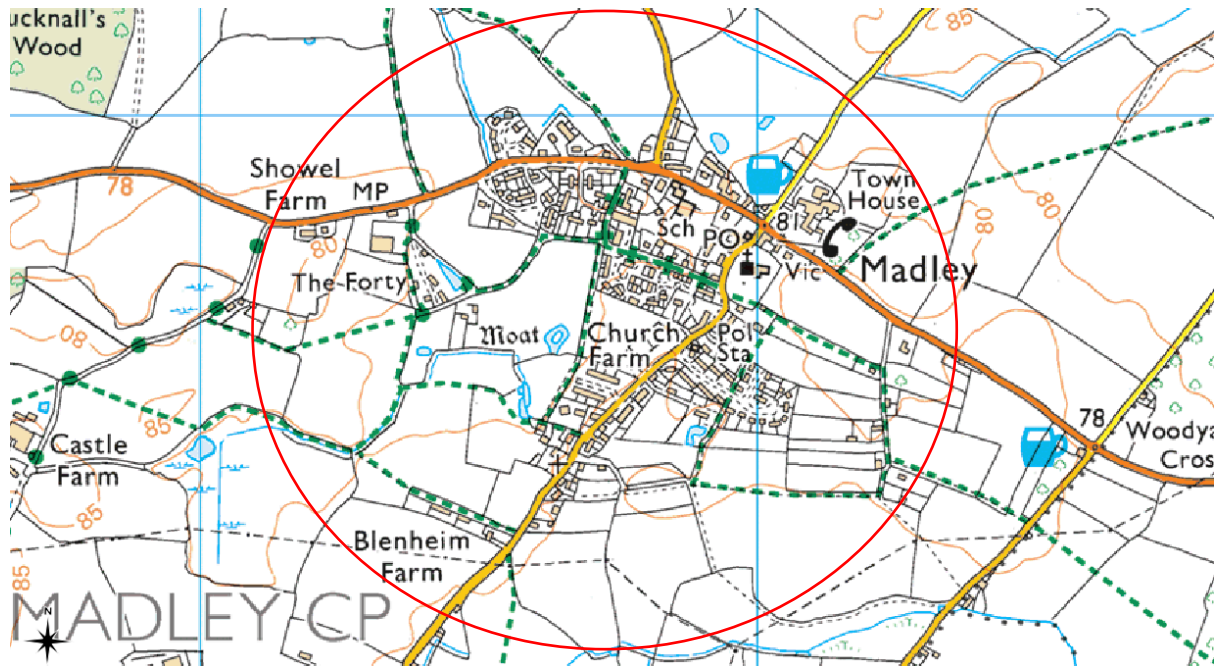


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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)

Cage Brook is designated as an Ordinary Watercourse which therefore falls under the regulatory supervision of Herefordshire Council Land Drainage Authority.

Key Flood Event

Flood Type: Surface Water

Watercourse Catchment: Cage Brook

Four properties are recorded as flooding internally in Madley during February 2020, including one basement. Although we are aware that the basement flooded, the only depth given for this flooding was less than 6 inches.

No historic flood events (prior to 2020) were reported by respondents. Herefordshire Council records identify some history of flooding in 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

All of the properties which reported internal flooding during the 2020 flood are in Flood Zone 1. Two of these properties are nearby each other and are close to an area which is shown to be at high risk of flooding on the Surface Water Flood Map. The most likely flooding mechanism for the property is therefore surface water flooding. This is supported by Herefordshire Council historic flood records, where the cause was recorded as being surface water runoff from the highway.

No flooding mechanism could be identified for the other two properties. It should also be noted that the flooding mechanisms which have been identified in Madley are based on mapping and there is limited evidence to support the mechanisms identified. We assume all properties flooded from surface water.

Damage to Cultural Heritage Sites: There are no listed buildings located in the Flood Zone within Madley.

Previous reports of floods

Prior to the flood event on 16th February 2020, no previous reports of flooding have been received.

Previous Flood Risk Studies

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

Conclusions

If residents have experienced repeat flooding then property level resilience measures may be considered, possibly including localised threshold raising in some low rooms.