

## Settlement: Moreton on Lugg

### Location of Investigation

Figure 1: Large Scale Map showing the location of Moreton on Lugg

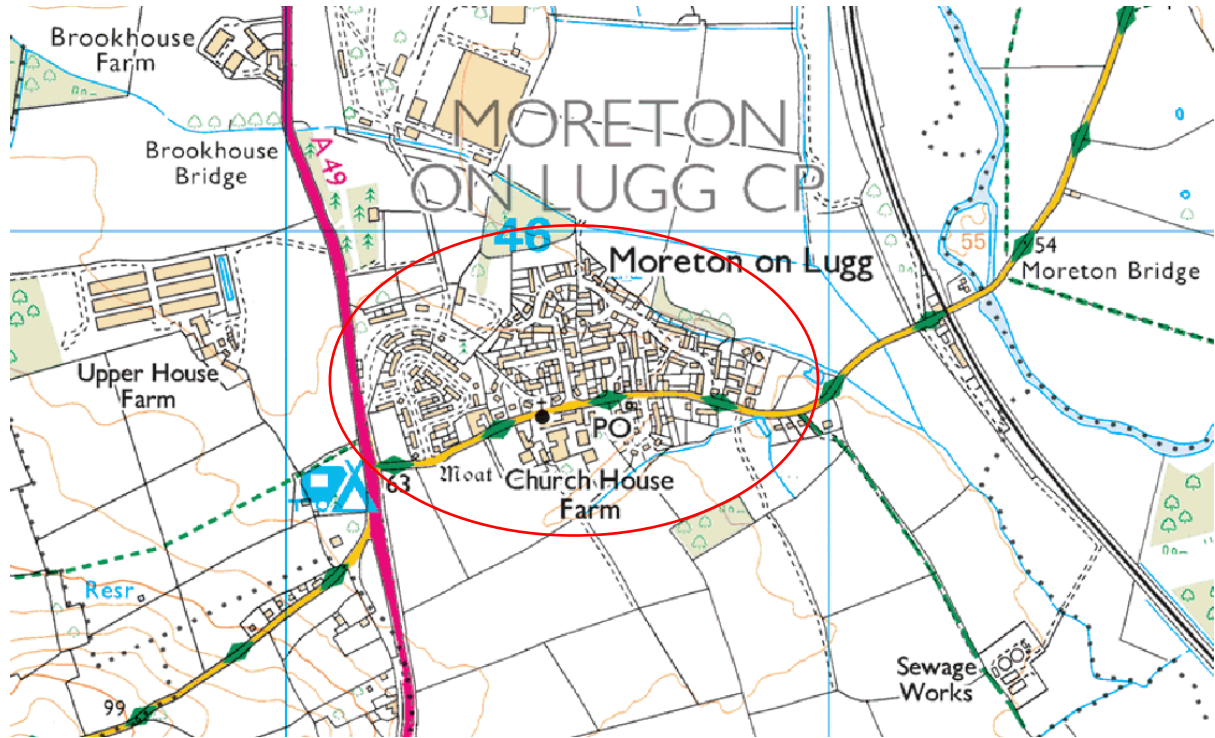
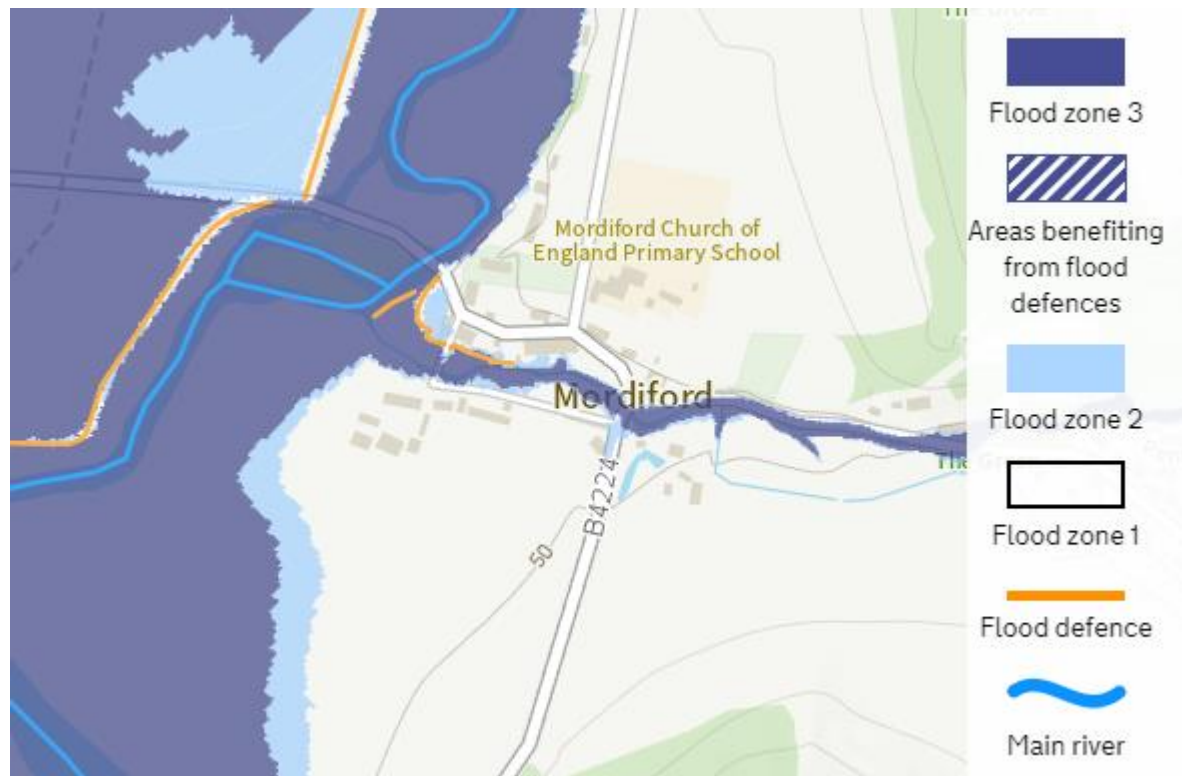


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



|  |   |
|--|---|
| Date of key flood event  | February 16 <sup>th</sup> 2020  |
| Authorities with Flood Risk Management duties or functions relating to the event | Herefordshire Council (Land Drainage Authority)<br>Highways England<br>River Lugg Internal Drainage Board |

The tributary of the River Lugg is designated as an Ordinary Watercourse which therefore falls under the regulatory supervision of both Herefordshire Council Land Drainage Authority and the River Lugg Internal Drainage Board. The River Lugg is classed as a main river and is under the regulatory supervision of the Environment Agency.

## Key Flood Event

**Flood Type:** Fluvial & Foul

**Watercourse Catchment:** Tributary of the River Lugg.

Five properties reported internal flooding in Moreton on Lugg during the February 2020 event, with the depth of flooding recorded for internal areas varying between 6 inches and 3ft.

Previous flooding was reported at one of the properties in July 2007 but Herefordshire Council records do not show any history of flooding for this location.

Another home on the east side of the village was surrounded by floodwater and internal foul flooding occurred.

|   |   |
|---|---|
| <b>Number of Internally Flooded Properties related to key flood event</b> | 6   |
| <b>Number of Internally Flooded Properties during most acute flood</b>    | 6   |
| <b>Impact on Strategic Highway Network</b>                                | None reported                             |
| <b>Impact on Critical Services</b>  | None reported                             |
| <b>Health Risks</b>   | No injuries or loss of life were reported |

## Description of Flooding

The Flood Map for Planning indicates that the area where domestic flooding occurred is in Flood Zone 3, but that the property which reported flooding closer to the centre of the village is in Flood Zone 1.

It is likely that backwater effects from the River Lugg had an impact on fluvial flood levels in the vicinity.

OS mapping indicates that there is a small watercourse which starts to the north side of the village and runs close to the home at the east of the village which reported flooding in 2020. Flood risk from this watercourse does not appear to have been included on the Flood Map for Planning. The Surface Water Flood Map does show areas of flood risk coinciding with the small watercourse.

It has not been possible to identify a clear flood mechanism for this property based on the mapping. However, the respondent towards the east of the village states that the drains backed up into their property and garden and they were flooded by sewage. This indicates that sewage flooding was part of the flood mechanism for this property. However, the property threshold may have been low and either fluvial flows or surface water could have also contributed to the flooding.

**Damage to Cultural Heritage Sites:** 1 property/structure is located within the Flood Zone.

## Previous reports of floods

Prior to the 16<sup>th</sup> February 2020 flood event, one previous flood event was reported as having occurred in 2007.

## Previous Flood Risk Studies

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

## Conclusions

The flood map for planning indicates that the area is subjected to fluvial flood risk from the River Lugg.

The episode of foul flooding on the public sewer network has been reported to Welsh Water.