

## Settlement: Moccas

### Location of Investigation

Figure 1: Large Scale Map showing the location of Moccas

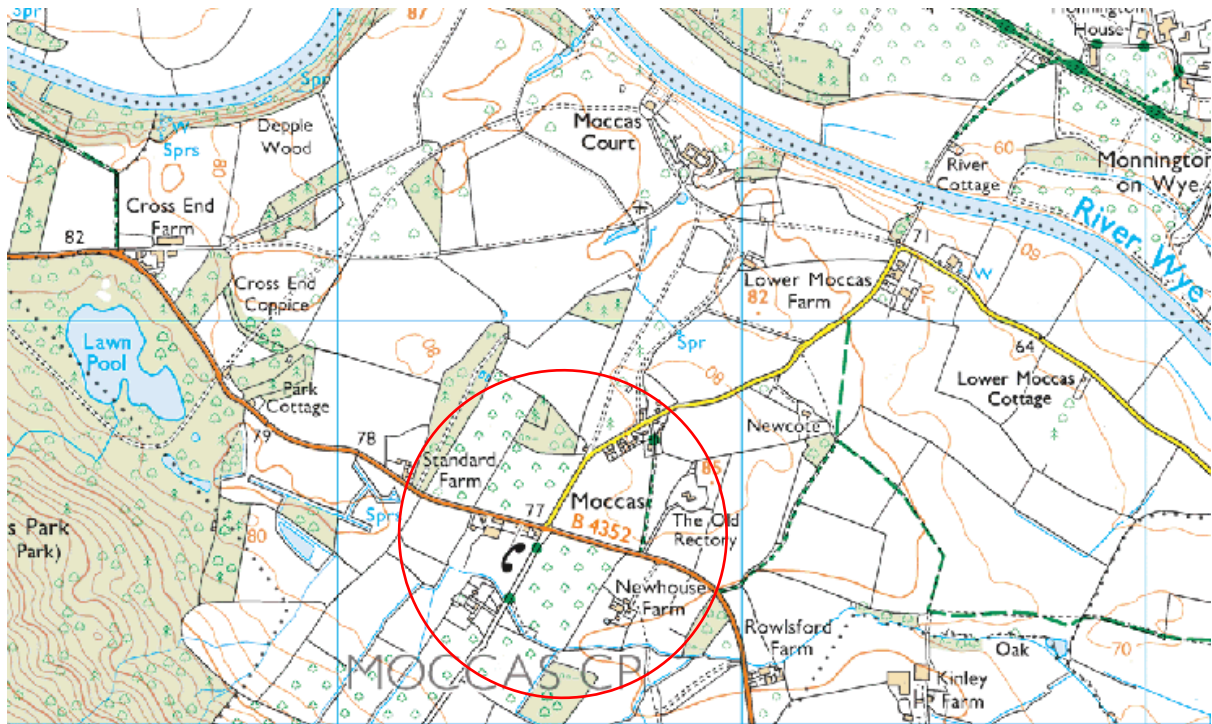
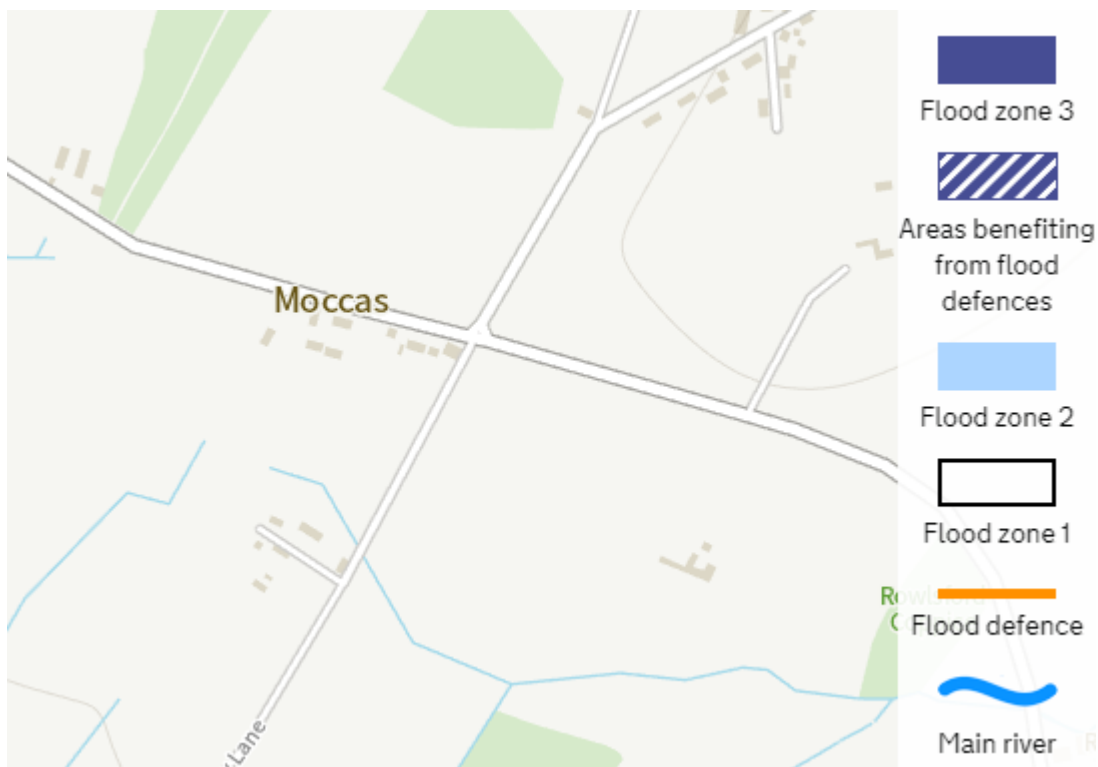


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



Date of key flood event	February 16 <sup>th</sup> 2020
Authorities with risk management duties or functions relating to the event	Herefordshire Council (Land Drainage Authority)

The watercourses in this area are designated as Ordinary Watercourses which therefore fall under the regulatory supervision of Herefordshire Council Land Drainage Authority.

## Key Flood Event

**Flood Type:** Fluvial & Surface Water

**Watercourse Catchment:** Tributary of River Wye

Four properties in Moccas recorded internal flooding in February 2020. Internal depths were recorded as up to 1ft and lasting less than one day.

<b>Number of Internally Flooded Properties related to key flood event</b>	4
<b>Number of Internally Flooded Properties during most acute flood</b>	4
<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 flooding was reported as surface water runoff as well as an overflowing ditch and broken culvert. This description would fit with flooding from overland flows or from a small watercourse, which could easily be mistaken for a ditch. The watercourse is not shown on the Flood Map for Planning.

The Flood Map for Planning indicates that all the properties which reported flooding in Moccas are in Flood Zone 1. However, OS mapping shows small, unnamed watercourses close to the affected properties that do not appear to have been included in this risk mapping. The EA Surface Water Flood Map indicates that all the properties which reported flooding in Moccas are within or adjacent to areas at risk of surface water flooding.

For the properties located towards the north, there are no nearby watercourses that the flood risk could be easily attributed to. These properties are therefore more likely to be at risk of flooding from overland flows.

For the property further to the south, there is an area of flood risk which appears to be associated with one of the small, unnamed watercourses. The risk to this property may therefore be attributable to the watercourse. However, there is also an area of flood risk which is not associated with a watercourse, so the source of flooding in this area is not clear.

The only respondent who provided information on the sources and mechanisms for flooding described issues with surface water runoff as well as an overflowing ditch and broken culvert. This description would fit with flooding from overland flows or from a small watercourse, which could easily be mistaken for a ditch.

**Damage to Cultural Heritage Sites:** None recorded.

### Previous reports of floods

Prior to the 16th February 2020 flood event, no previous flood events have been reported. Herefordshire Council do not hold any records of historical flooding for this location.

### Previous Flood Risk Studies

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

### Conclusions

The most likely flood mechanism in Moccas is overland flows. However, there is a small watercourse located close to one of the properties, which may have contributed to flooding.