

Settlement: Wellington Marsh

Location of Investigation

Figure 1: Large Scale Map showing the location of Wellington Marsh

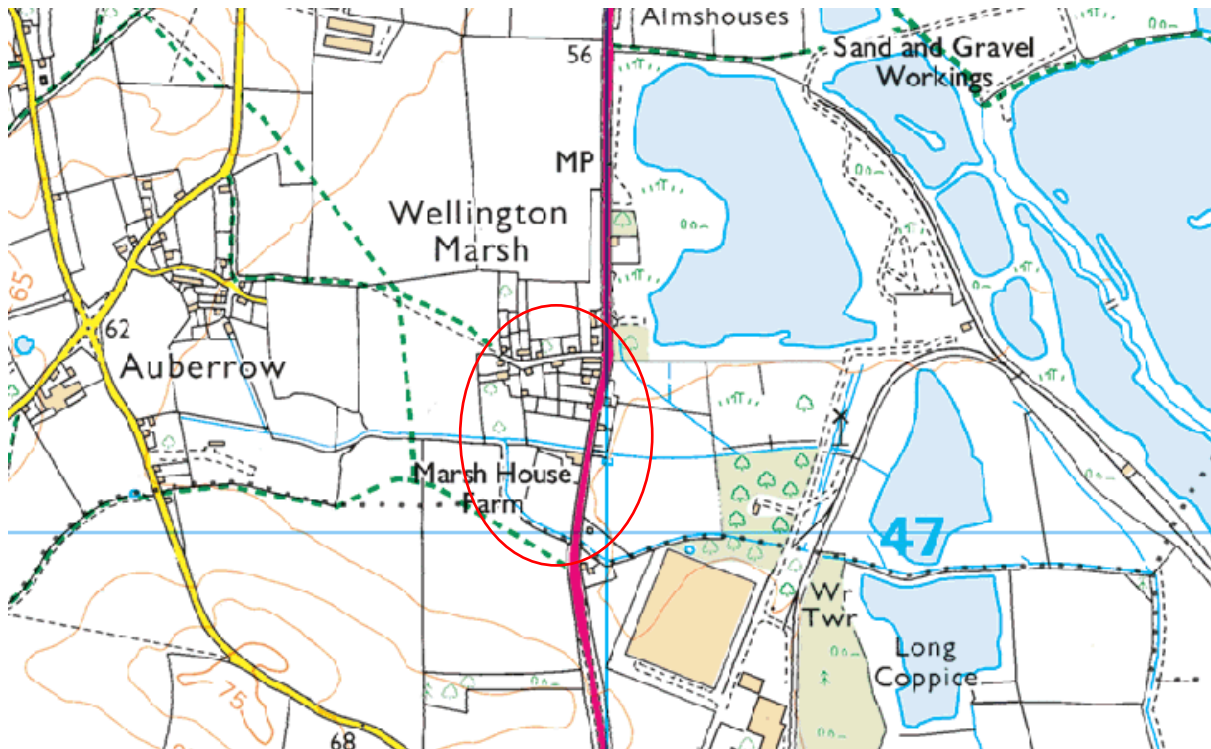
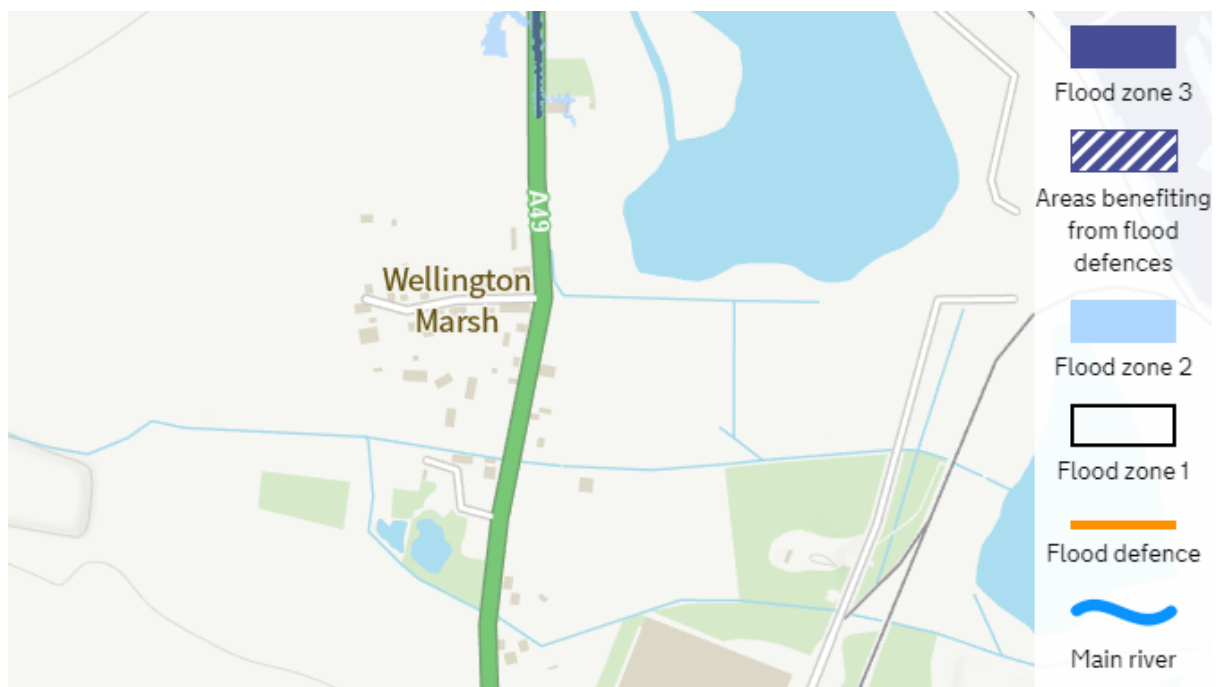


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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) River Lugg Internal Drainage Board Highways England (A49)

The tributary watercourses in this area designated as an Ordinary Watercourses which therefore falls under the regulatory supervision of Herefordshire Council Land Drainage Authority and the River Lugg Internal Drainage Board.

Key Flood Event

Flood Type: Fluvial

Watercourse Catchment: Tributary of the River Lugg.

Nine properties experienced internal flooding in February 2020 in Wellington Marsh. There was some variation in the depth of the flooding reported, from less than 6 inches up to 2ft. Only one resident provided information on flood duration and this was only provided for their garden where flooding was reported to have lasted between 1-2 days.

Herefordshire Council records for this location identify a limited history of flooding at this location.

Number of Internally Flooded Properties related to key flood event	9
Number of Internally Flooded Properties during most acute flood	9
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 flooded properties are located in Flood Zone 1. However, OS mapping shows a series of watercourses which flow through the area and which have not been included in the Flood Map for Planning. These watercourses discharge to the River Lugg directly downstream of the village.

One respondent recorded that surface water runoff came from the A49 through the village towards the Marsh. The Surface Water Flood Mapping does indicate there may be risk associated surface water and with the small watercourses in the area.

The most likely source of flooding for this event is from minor watercourses with a possible contribution from overland flows. There may also have been an influence from the River Lugg; if levels were high this might have reduced the capacity of the small watercourses to drain away.

We have reviewed LIDAR records which demonstrate that the land slopes gently towards a receiving watercourse. The most likely scenario is that flash flooding occurred. We note that the channel is maintained by the Lugg IDB. It is possible that the culvert below the A49 was not large enough to convey flow from a high intensity rainstorm.

Damage to Cultural Heritage Sites: None recorded.

Previous reports of floods

Prior to the 16th February 2020, no previous flooding events had been reported at this location.

Previous Flood Risk Studies

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

Conclusions

Nine properties experienced internal flooding in Wellington Marsh during February 2020. information reviewed for this study indicates that there is a limited history of flooding in this area.

An inspection of the culvert below the A49 will be completed to establish its integrity