

Settlement: Eardisley

Location of Investigation

Figure 1: Large Scale Map showing the location of Eardisley

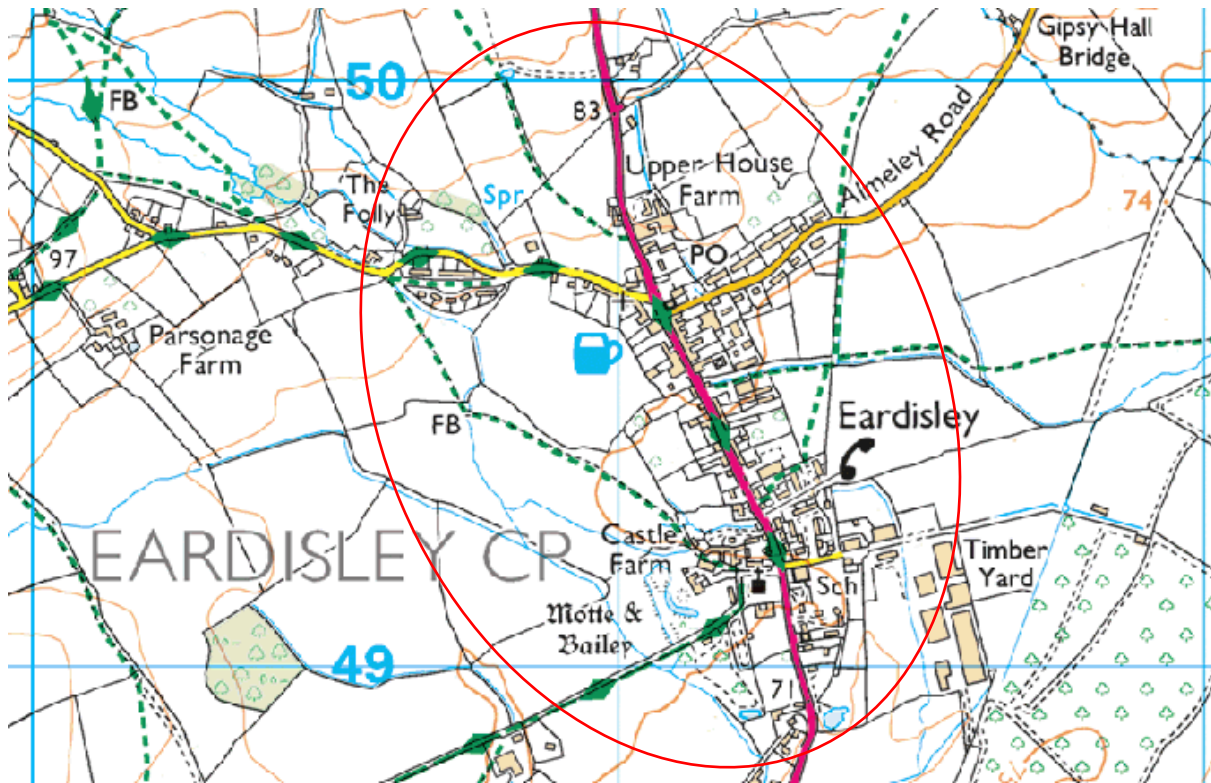


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021

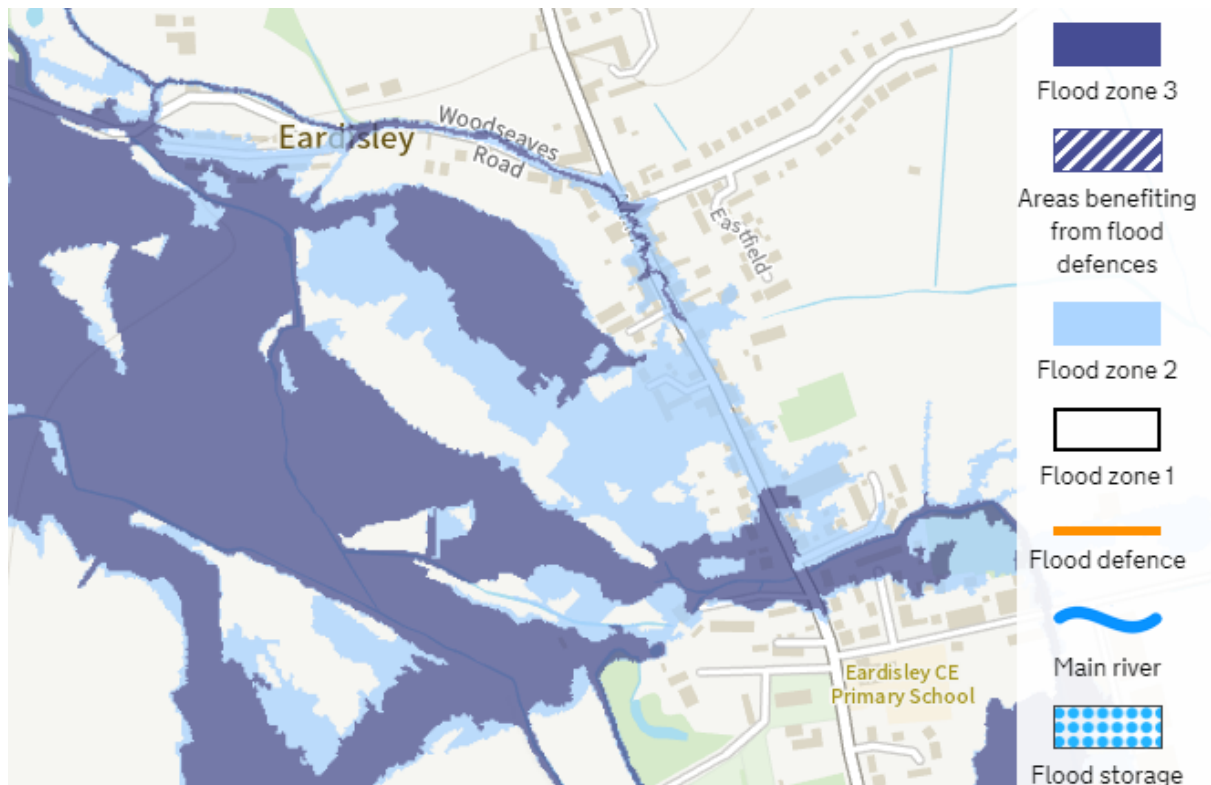


Figure 3: Map showing watercourses in Eardisley



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)

The Folly Brook, Willersey Brook and Mill Stream watercourses 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:

There are six properties in Eardisley which reported internal flooding in February 2020. The depth of flooding recorded was between 6 inches and 1ft in the internal areas and the duration was recorded as lasting less than 1 day.

Sandbags were delivered to a property on 26th October 2019.

One property recorded a previous flood event in 2007, another respondent recorded one 13 years previously while one noted flooding occurring 'almost annually.'

HC records for this location identify an extensive history of flooding. The Herefordshire Flood Alleviation Strategy (2010) states there is recorded flood history in Eardisley as far back as the 13th century.

Number of Internally Flooded Properties related to key flood event	6
Number of Internally Flooded Properties during most acute flood	22
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

EA mapping indicates that the area is at risk of both fluvial and surface water flooding, with many of the properties located in Flood Zone 3. However, most of the areas shown to be at risk of flooding from surface water coincide with watercourses, or with areas at risk of fluvial flooding.

In describing the February 2020 flooding, one of the respondents describes an overflowing river or stream as the source of the flooding. Another describes overflow from a blocked drainage ditch. Many of the watercourses in Eardisley also are small channels which also provide drainage, so a channel could have been mistaken for a drainage ditch.

Residents report that the Willersey Brook overflows into the Folly Brook. This occurs because there is a weir on the Willersey Brook that used to drive the Mill Stream. Properties upstream of the informal overflow are at risk of fluvial flooding. Flows also come out of bank on the Willersey Brook near the weir, causing surface water flooding that can affect properties alongside the A4111.

The Folly Brook is culverted below Church Road. The culvert can become overwhelmed during storms and surface water flooding then occurs throughout the village.

On Almeley Road property flooding occurred as a result of surface water flooding, which may have been exacerbated due to the unknown condition of a highway culvert.

Damage to Cultural Heritage Sites: 17 listed properties are located within the Flood Zone.

Previous reports of floods

Prior to the 16th February 2020 flood event, previous flood events have been recorded as occurring in 1958, 1959, 2007, 2010 and 26 Oct 2019.

Previous Flood Risk Studies

Herefordshire Flood Alleviation Strategy 2010 identified how flooding occurs and the principle receptors.

Herefordshire Council completed a hydraulic modelling study in 2017.

Conclusion

Herefordshire Council LLFA have identified a requirement to promote the delivery of a feasibility study. DEFRA grant funding has been secured this financial year for this to be undertaken.