

Settlement: Hope Under Dinmore

Location of Investigation

Figure 1: Large Scale Map showing the location of Hope Under Dinmore

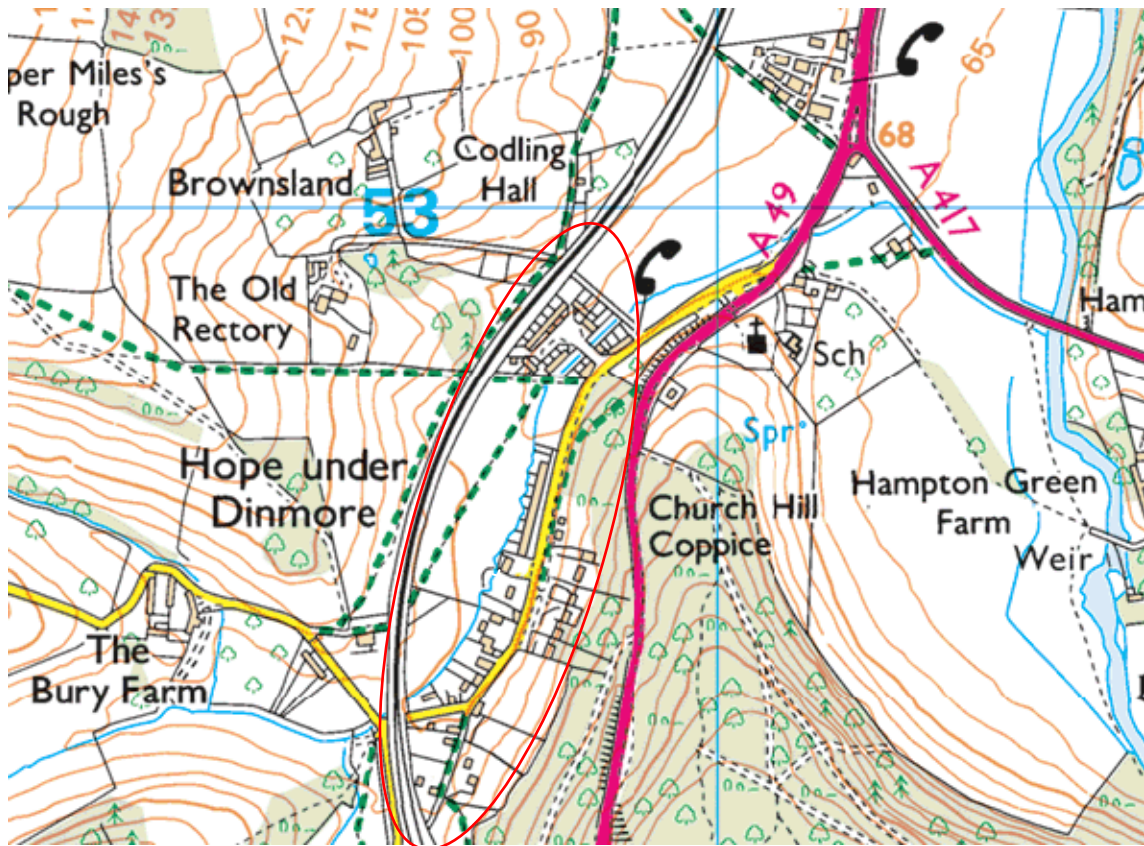
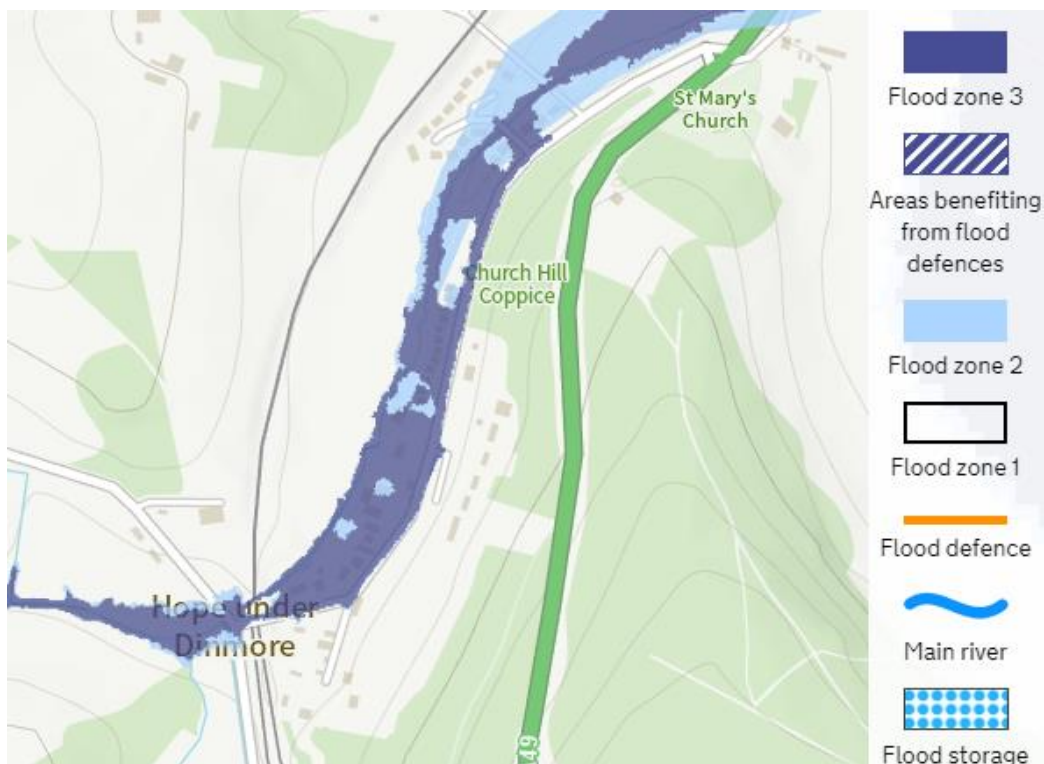


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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)

Cherry 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: Fluvial and Surface Water

Watercourse Catchment: Cherry Brook

During the February 2020 flooding event, a total of 15 properties in Hope Under Dinmore reported internal flooding. Limited accounts of flooding depths were provided with depths typically reported between 6 inches and 2ft of flooding and one report of 2ft to 3ft of flooding to the basement/cellar. One person also reported suffering a dislocated shoulder after falling in connection with the flooding.

One respondent advised they had experienced previous flooding and Herefordshire Council records for this location identify some flooding occurring in 2007 and 2014.

Highway Flooded Signs were installed at Cherrybrook Close on 16th February 2020.

Number of Internally Flooded Properties related to key flood event	15
Number of Internally Flooded Properties during most acute flood	15
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

One property recorded that flooding came from an overflowing river or stream and there was one report of surface water flooding. Another property stated that the stream floods annually. An additional property reported flooding from both sources. It is noted the properties in the area are either within or adjacent to Flood Zones 2 and 3 as well being identified as susceptible on Surface Water Flood Mapping. From the most recent set of survey responses and grant applications, three properties at Cherry Brook Close reported that flooding came from the Cherry Brook and as runoff from the roads. Residents have also reported overland flows from the A49.

The site has been subjected to a flood study in 2015. There is a shallow culvert below a railway embankment. The Cherry Brook breaks it's banks and floods the highway, spilling below the railway via a bridge. Water cascades along the highway and then re-joins the brook.

The Cherry Brook itself also causes some localised fluvial flooding.

Damage to Cultural Heritage Sites: 1 listed property is located within the Flood Zone.

Previous reports of floods

Prior to the 16th February 2020 flood event, there several flood events including 2007 and 2014.

Previous Flood Risk Studies

The Herefordshire Flood Alleviation Strategy (2010) indicates that the principle source of flooding was the Cherry Brook.

Herefordshire Council completed a modelling study in 2015.

Conclusions

Herefordshire Council LLFA have identified a requirement to promote delivery of a Property Flood Resilience project at Hope Under Dinmore. DEFRA grant funding is being sought based on the existing fluvial flood risk in this district and an additional feasibility study is proposed. Further governance reports will be required prior to any formal application for funding.