

Settlement: Canon Pyon

Location of Investigation

Figure 1: Large Scale Map showing the location of Canon Pyon

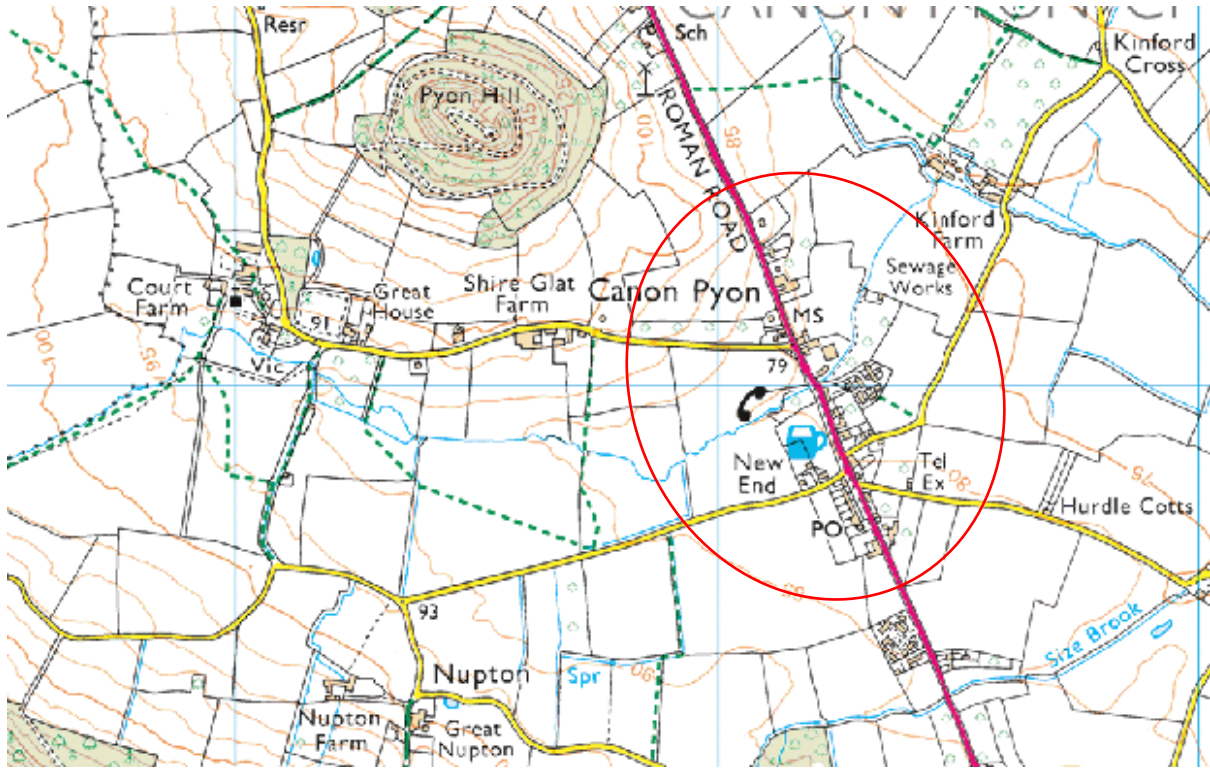


Figure 2: Environment Agency's Flood Map for Planning (Rivers and Sea), June 2021



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

Wellington Brook and its tributary 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: Tributary of Wellington Brook which is ultimately is a tributary of the River Lugg.

Six properties at this site reported internal flooding during February 2020, with three of these properties also reporting flooding during the October 2019 flood event. Internal flood depths varied from less than 6 inches to up to 3ft with flood depths in gardens and outbuildings recorded up to a depth of 4 ft. The flooding duration was recorded by one property only as less than 1 day.

None of the residents report a history of flooding prior to the events 2019 and 2020. Herefordshire Council records for this location a limited history of flooding at this location.

Number of Internally Flooded Properties related to key flood event	6
Number of Internally Flooded Properties during most acute flood	6
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 source of fluvial flood risk is a tributary to the Wellington Brook which passes under the A4110 in Canon Pyon. The properties which were flooded in 2019 and 2020 are within or adjacent to Flood Zone 3. However, the properties which were flooded only in 2020 are in Flood Zone 1.

Evidence supporting the fluvial source of flooding is provided by photos of flooding, dated from October 2019. This is also supported by one of the two respondents who provided information on flooding source and mechanism.

Evidence supporting the surface water source of flooding comes from the other survey response which provides information on flooding source and mechanism. These reports attribute some property flooding to surface water runoff as well as blocked or overflowing drainage systems in the highway. This is also supported by the Surface Water Flood Map which appears to indicate an overland flow route which flows down the road which runs parallel to the watercourse, and to the south. This mapping also appears to indicate an area of surface water flood risk around the properties which were affected by flooding.

Damage to Cultural Heritage Sites: There are 3 listed properties located within the Flood Zone.

Previous reports of floods

Prior to the October 2019 flood, no other flood events have been reported.

Previous Flood Risk Studies

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

Conclusions

It is likely that the tributary to the Wellington Brook was the primary source of flooding in 2019. In 2020 houses outside of the brook's flood zone were also flooded and there is evidence that this was caused by overland flows, rather than fluvial flooding.

Herefordshire Council Land Drainage Authority proposes to exercise their flood risk management function in response to the recent flooding. Herefordshire Council LLFA have identified a requirement to promote delivery of a feasibility study on the Wellington Brook.

DEFRA grant funding is being sought for a feasibility study this financial year based on the existing fluvial flood risk in the villages of Wellington and Canon Pyon.