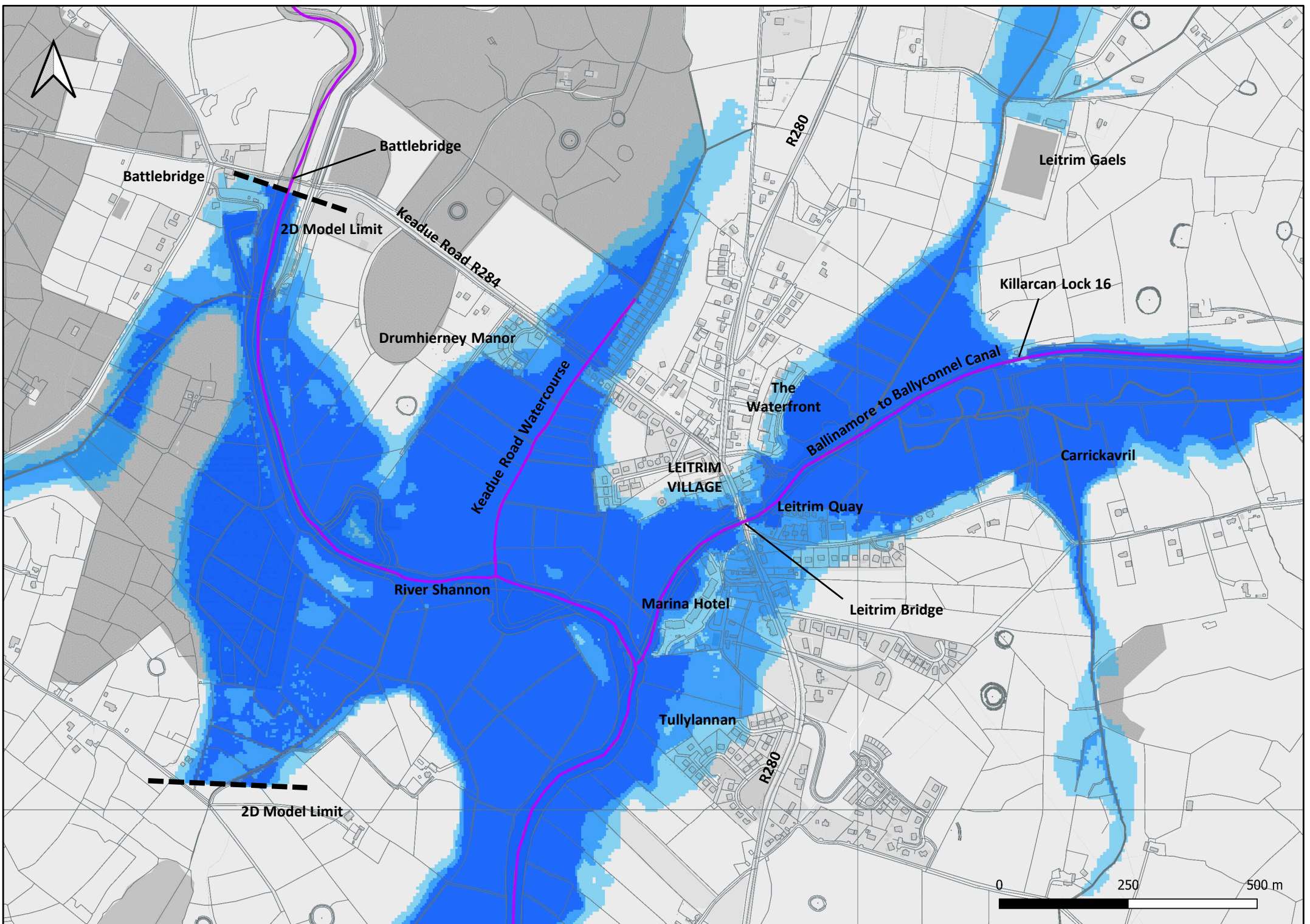


Fluvial Flood Extents

As has been experienced in the past, there is a significant risk of flooding in Leitrim Village from both the River Shannon, the Ballinamore to Ballyconnel Canal and its tributaries. Fluvial Flooding occurs when the rivers overtop their banks and water flows out onto adjacent low-lying areas.

Hydrological analysis and hydraulic modelling has been undertaken to determine the predictive flood maps shown. The map below refers to flood event probabilities in terms of percentage Annual Exceedance Probability (AEP) and shows extensive flooding in Leitrim Village.



The 1% AEP flood event (the flood event which has a 1 in 100 probability of occurring in any given year) is also referred to as the 'design flood' and is the severity of flood event which a flood relief scheme will protect against.

Legend

- Modelled River Centre Line
- 10% AEP Fluvial Flood Extent
- 1% AEP Fluvial Flood Extent
- 0.1% AEP Fluvial Flood Extent

This is also referred to as the Standard of Protection (SoP).