



Predictive Tidal Flood Extent Map (in combination with Fluvial Event)



Tidal/ Coastal Flooding

Tidal flooding may occur during a surge event in the Atlantic Ocean.

The 'predictive' flood map shows areas predicted to be flooded during a theoretical or 'design' flood event with an estimated probability of occurrence, rather than information for actual floods that have occurred in the past.

The map refers to flood event probabilities in terms of a percentage Annual Exceedance Probability, or 'AEP'. This represents the probability of an event of this, or greater, severity occurring in any given year. These probabilities may also be expressed as odds (e.g. 200 to 1) of the event occurring in any given year. They are also commonly referred to in terms of a return period (e.g. the 200-year flood), although this period is not the length of time that will elapse between two such events occurring, as, although unlikely, two very severe events may occur within a short space of time.







Rialtas na hÉireann Government of Ireland

Annual Exceedance Probability

- 10% (High Probability)
- 0.5% (Medium Probability)
- 0.1% (Low probability)





Odds of Occurrence in a Given Year	Return Period (Years)
10:1	10
200:1	200
1000:1	1000