

Introduction

Flood Maps (NI) Floodplain Tidal is a multi-layered **predictive** flood mapping product providing a **composite** of:

- **Detailed** Mapping – of rivers/culverts/ coastal areas that have been hydro-dynamically modelled using the latest 1D/2D modelling software.
- **Strategic** Mapping – of rivers/coastal areas (mostly outside significant flood risk areas) that have been modelled using strategic modelling methods.

Purpose of the Data

The dataset has been designed to raise awareness among the public, Government Departments, local authorities and other organisations of the likelihood of **tidal/coastal** flooding, this supporting a proactive and co-operative approach to flood risk management.

By being aware of the land estimated to be at risk of flooding, authorities can develop strategies to better manage flood risk through planning, flooding prevention, and emergency planning functions.



Screenshot of Flood Maps (NI) Floodplain Tidal with LPS background mapping.

Data Coverage

Around the coastline of Northern Ireland

Data Format

Web Mapping Service or downloadable dataset (ESRI file geodatabase), accessible via Spatial NI website.

Data Content

The Flood Maps (NI) Floodplain Tidal dataset includes the following layers of information for both present day and climate change epochs:

- Tidal Boundary Conditions (0)
 - Coastal Levels (1)
 - Coastal Level Detail (2)
 - Coastline (3)
- Flood Defences (4)
 - Flood Defence Structure (5)
- T200 Present Day (6)
 - T200 CrossSection Node (7)
 - T200 Areas Benefiting from Defences (8)
 - T200 Depth Band (9)
 - T200 Flood Extent Detailed (10)
 - T200 Flood Extent Strategic (11)
- T200 Climate Change (12)
 - T200CC CrossSection Node (13)
 - T200CC Areas Benefiting from Defences (14)
 - T200CC Depth Band (15)
 - T200CC Flood Extent Detailed (16)
 - T200CC Flood Extent Strategic (17)

T200 represents a “Medium Probability” flood hazard. There is a 0.5% chance that a flood of this magnitude or greater will occur in any given year.

Data Update Policy

Major updates are scheduled as appropriate on the basis of significant global change to the datasets underpinning the development of the flood mapping products.

Minor updates are unscheduled and are only actioned for specific areas where an update would significantly reduce uncertainty in the flood map output.

Data Availability

The dataset can be viewed within the Flood Maps (NI) map viewer – available at:

<https://www.infrastructure-ni.gov.uk/topics/rivers-and-flooding/flood-maps-ni>

For further information and to re-use this data commercially, contact Land & Property Services at:

digital.supply@finance-ni.gov.uk

Companion Products

- Flood Maps (NI) Floodplain - Rivers
- Flood Maps (NI) Surface Water
- Flood Maps (NI) Historical Flooding