

## Introduction

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

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

## Purpose of the Data

This dataset has been designed to raise awareness among the public, government departments, local authorities and other organisations of the likelihood of river flooding, thus 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 their planning, flood prevention, and emergency planning functions.



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

## Data Coverage

All of Northern Ireland, with limited coverage in the Republic of Ireland in border areas.

## Data Format

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

## Data Content

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

- River Model Status (0)
  - Modelled in Detail (1)
  - Modelled Strategically (2)
  - Flow Direction (3)
- Flood Defences (4)
  - Flood Defence Structure (5)
- Q100 Present Day (6)
  - Q100 CrossSection Node (7)
  - Q100 Manhole Node (8)
  - Q100 Areas Benefiting from Defences (9)
  - Q100 Depth Band (10)
  - Q100 Flood Extent Detailed (11)
  - Q100 Flood Extent Strategic (12)
- Q100 Climate Change (13)
  - Q100CC CrossSection Node (14)
  - Q100CC Manhole Node (15)
  - Q100CC Areas Benefiting from Defences (16)
  - Q100CC Depth Band (17)
  - Q100CC Flood Extent Detailed (18)
  - Q100CC Flood Extent Strategic (19)

Q100 represents a “Medium Probability” flood hazard. There is a 1% 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](mailto:digital.supply@finance-ni.gov.uk)

## Companion Products

- Flood Maps (NI) Floodplain – Tidal
- Flood Maps (NI) Surface Water
- Flood Maps (NI) Historical Flooding