

### Introduction

Flood Maps (NI) [Floodplain Tidal Premium] is a multi layered **predictive** flood mapping product providing **detailed** mapping, for tidal areas that have been hydro-dynamically modelled using the latest (1D/2D) modelling software. The output consists of a **site-specific** extract of GI data, consisting of flood hazard information for a range of return periods; (this may include those illustrated at Data Content where available)

### Purpose of the Data

The dataset has been designed to provide **site-specific** information, for use by stakeholders (e.g. government bodies, councils, utilities and developers), on the likelihood of **tidal** flooding for a wide range of scenarios. This provides the stakeholder with a more comprehensive understanding of the exposure to flood hazard associated with individual assets or sites.

### Data Coverage

The coverage of this map data product is consistent with the extent of tidal models within the “Flood Maps NI River/Tidal Models” product. The extent of the mapping data can therefore be inferred from the “Detailed River Models” web app; available at <https://arcg.is/1DOfy0>

### Data Format

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

### Data Content

- Tidal Boundary Conditions (0)
  - Coastal Levels Detailed (1)
  - Coastal Levels (2)
  - Coastline (3)
- Flood Defences (4)
  - Standard of Protection (SOP) Tidal (5)
- T10 (6)
  - T10 CrossSection Node (7)
  - T10 Depth Band (8)
  - T10 Flood Extent (9)
- T50 (10)
  - T50 CrossSection Node (11)
  - T50 Depth Band (12)
  - T50 Flood Extent (13)

- T75 (14)
  - T75 CrossSection Node (15)
  - T75 Depth Band (16)
  - T75 Flood Extent (17)
- T100 (18)
  - T100 CrossSection Node (19)
  - T100 Depth Band (20)
  - T100 Flood Extent (21)
- T200 Present Day (22)
  - T200 CrossSection Node (23)
  - Area Benefiting from Defences (24)
  - T200 Depth Band (25)
  - T200 Flood Extent Detailed (26)
  - T200 Flood Extent Strategic (27)
- T1000 (28)
  - T1000 CrossSection Node (29)
  - T1000 Depth Band (30)
  - T1000 Flood Extent (31)
- T200 Climate Change 2080 (32)
  - T200CC CrossSection Node (33)
  - T200CC Depth Band (34)
  - T200CC Flood Extent Detailed (35)
  - T200CC Flood Extent Strategic (36)

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 or methodology 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

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) Floodplain Rivers
- Flood Maps (NI) Floodplain Fluvial Premium
- Flood Maps (NI) River/Tidal Models



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