

Introduction

Flood Maps (NI) Floodplain Rivers Premium is a multi-layered **predictive** flood mapping product providing **detailed** mapping for rivers / culverts 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 **river** 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 river 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

- Survey (0)
 - Flow Direction (1)
 - CrossSection Location (2)
- River Model Status (3)
 - Modelled in Detail (4)
 - Modelled Strategically (5)
- Flood Defences (6)
 - Flood Defence Structure (7)
- Q2 (8)
 - Q2 CrossSection Node (9)
 - Q2 Depth Band (10)
 - Q2 Flood Extent (11)
- Q5 (12)
 - Q5 CrossSection Node (13)
 - Q5 Depth Band (14)
 - Q5 Flood Extent (15)
- Q10 (16)
 - Q10 CrossSection Node (17)
 - Q10 Manhole Node (18)
 - Q10 Depth Band (19)
 - Q10 Flood Extent Detailed (20)
- Q25 (21)
 - Q25 CrossSection Node (22)
 - Q25 Depth Band (23)
 - Q25 Flood Extent (24)
- Q50 (25)
 - Q50 CrossSection Node (26)
 - Q50 Depth Band (27)
 - Q50 Flood Extent (28)
- Q75 (29)
 - Q75 CrossSection Node (30)
 - Q75 Depth Band (31)
 - Q75 Flood Extent (32)
- Q100 Present Day (33)
 - Q100 CrossSection Node (34)
 - Q100 Manhole Node (35)
 - Q100 Area Benefiting (36)
 - Q100 Depth Band (37)
 - Q100 Flood Extent Detailed (38)
 - Q100 Flood Extent Strategic (39)
- Q200 (40)
 - Q200 CrossSection Node (41)
 - Q200 Depth Band (42)
 - Q200 Flood Extent (43)
- Q1000 (44)
 - Q1000 CrossSection Node (45)
 - Q1000 Manhole Node (46)
 - Q1000 Depth Band (47)
 - Q1000 Flood Extent (48)
- Q100 Climate Change (49)
 - Q100CC CrossSection Node (50)
 - Q100CC Manhole Node (51)
 - Q100CC Depth Band (52)
 - Q100CC Flood Extent Detailed (53)
 - Q100CC Flood Extent Strategic (54)

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

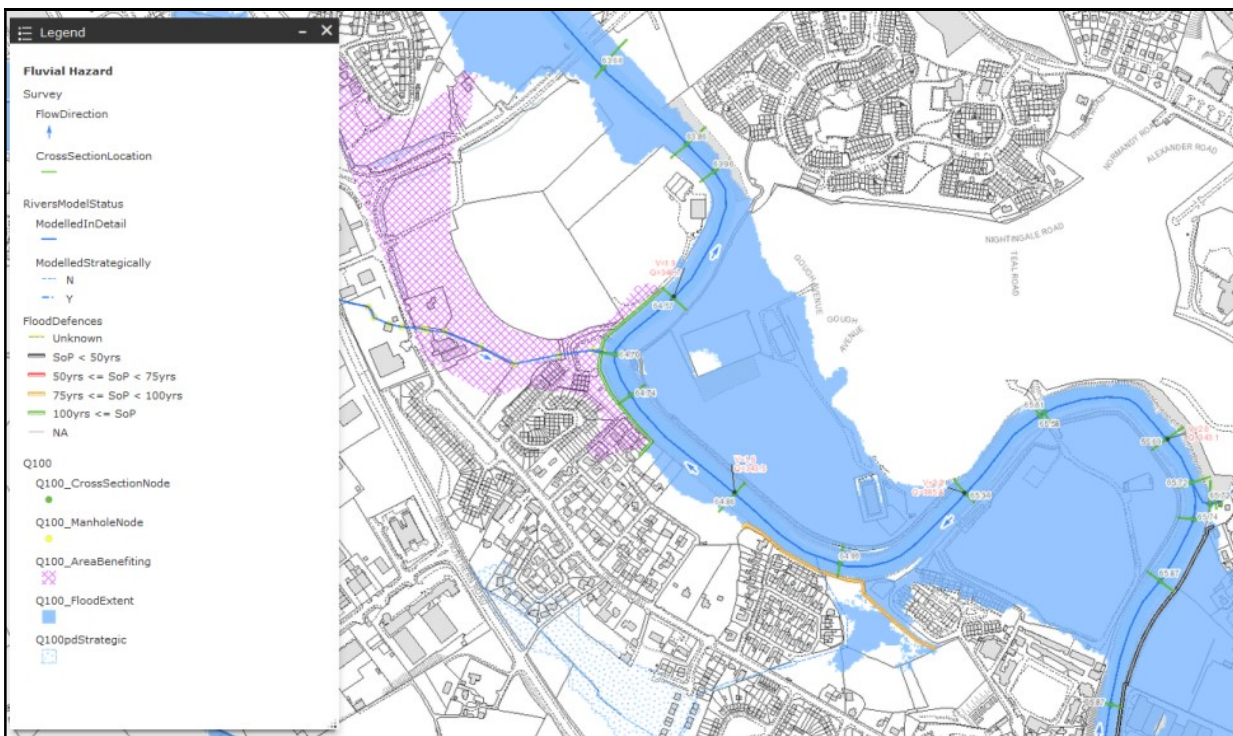
Major updates are scheduled as appropriate on the basis of significant global change to the datasets or methodology underpinning the development of the flood mapping products. Minor updates are unscheduled and are only actioned for specific areas where an update would significantly reduce uncertainty 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

Companion Products

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



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