






# Porthmadog Flood Risk Management Project | 4

## Flood risk from rivers

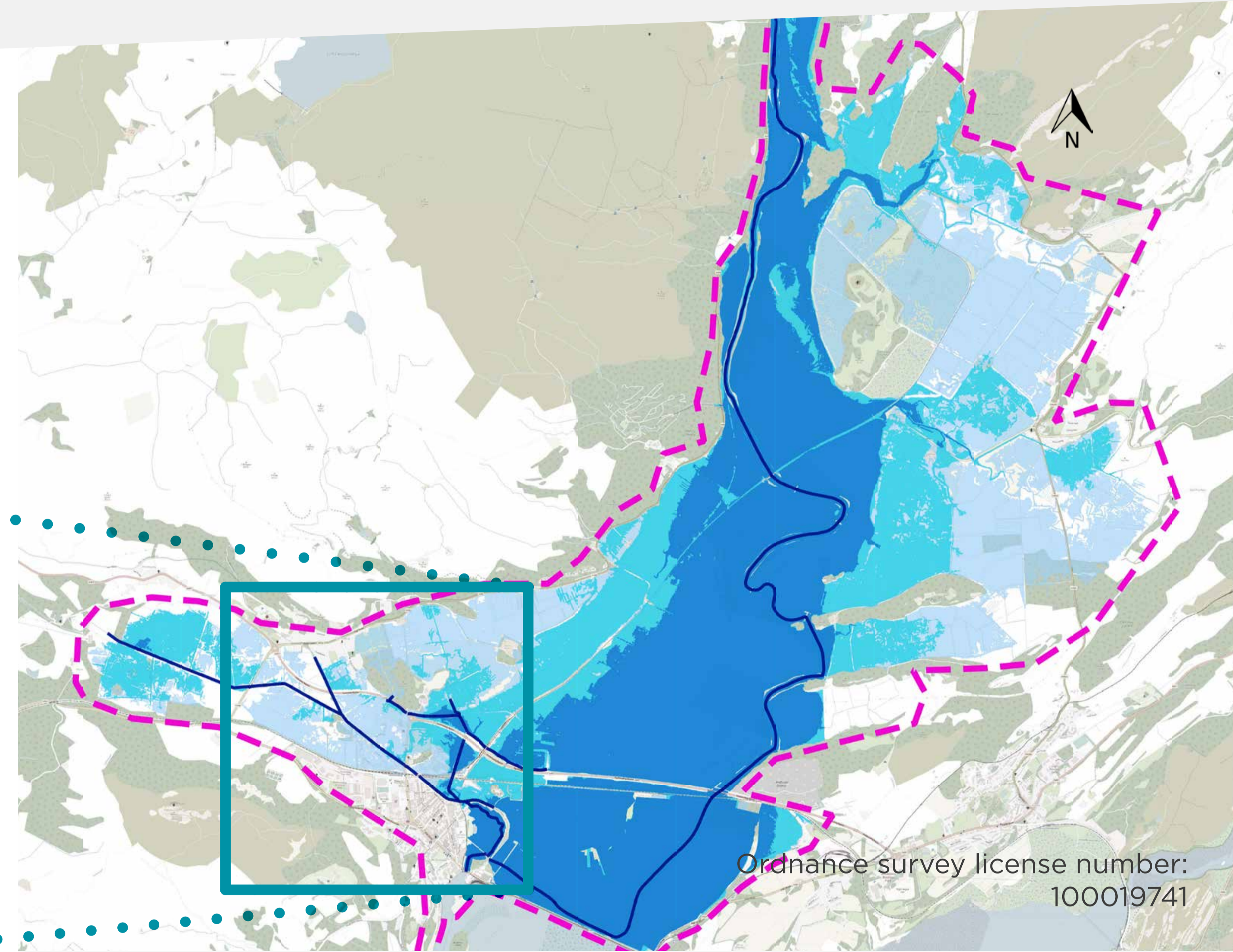
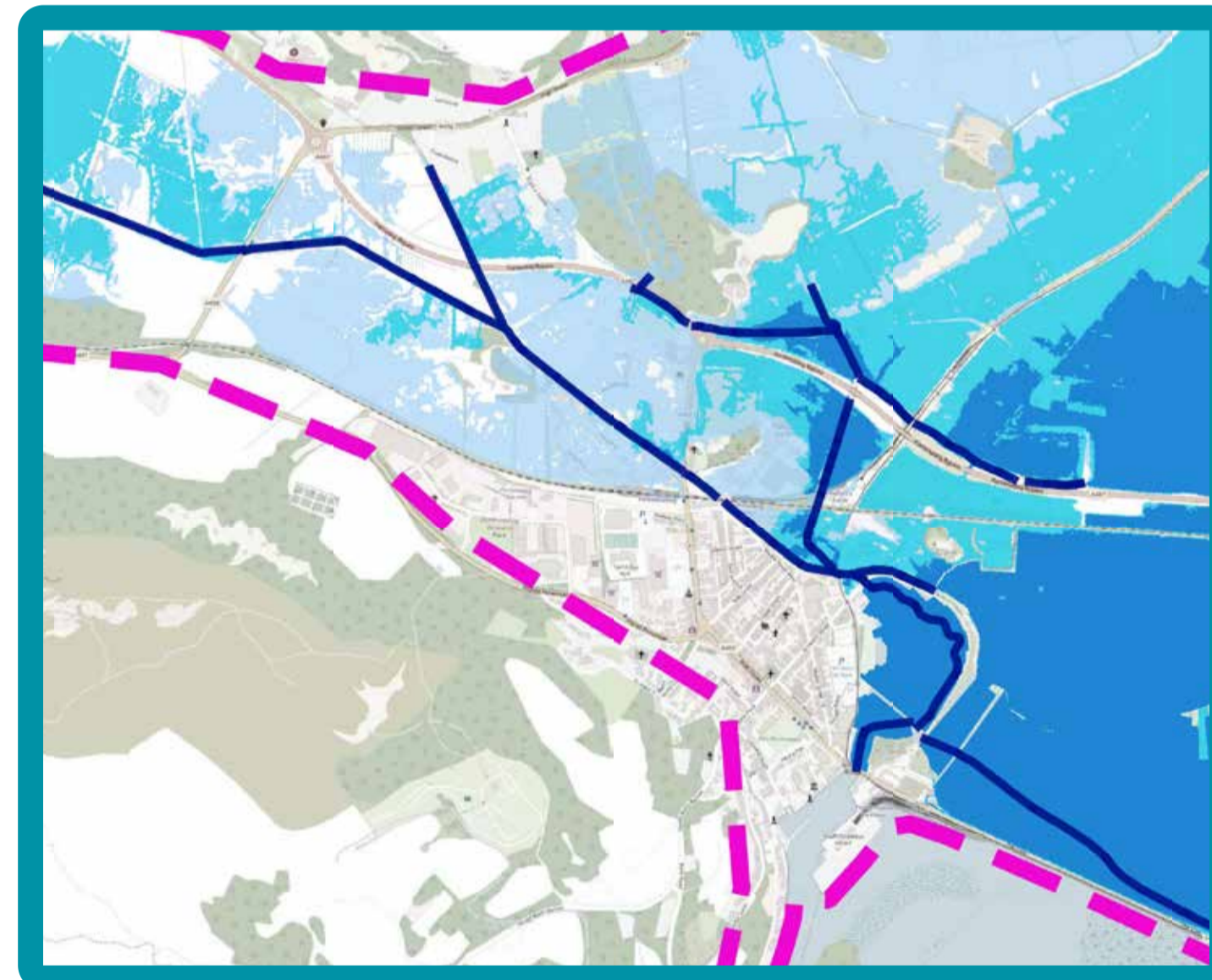
Most of Porthmadog sits on low lying land which is at risk of flooding from the Afon Glaslyn, Y Cyt and from the sea. The land was reclaimed from the sea in 1811 when the Cob was constructed across Traeth Mawr by William Maddocks.

The Cob prevents the natural inward movement of tidal water from reaching Pont Aberglaslyn. This bridge is located eight kilometres (five miles) inland to the north, near Beddgelert.

Maintaining today's level of flood protection is a challenge with existing defences being put under increased pressure from more frequent weather events.

-  Modelled section of main river
-  Flood Risk Extent (50% AEP)
-  Flood Risk Extent (3.33% AEP)
-  Flood Risk Extent (1.0% AEP)
-  Study area boundary

\*% AEP - Annual Exceedance Probability  
(% Chance of flooding in any given year)



Ordnance survey license number:  
100019741

### The flood model predicts the following flood risk is at the 1.0% AEP Event

Time Scale	Homes	Businesses
Present day	345	105
2080	825	220

The information shown on this map is to be used for the purpose of the Porthmadog Flood Risk Management Project Consultation only. These outputs are not final and remain under review. These maps do not replace the flood risk information available on the Natural Resources for Wales Website.

For information on 'Preparing for a flood', visit our webpage:  
[www.naturalresources.wales/flooding/preparing-for-a-flood](http://www.naturalresources.wales/flooding/preparing-for-a-flood)