

7 Bigyn Ward, Trostre Road and Gorsedd Policy Unit

7.1 Area Description

The Trostre Road and Gorsedd Policy Unit is located east of Llanelli town centre in an area dominated by retail (Trostre Retail Park), but also with a residential element at Gorsedd. This area was developed in the mid-1980s from farm and industrial land to the current large commercial and business area.

7.2 Why is this area a Flood Risk Policy Unit?

The uFMfSW (EA, 2013) highlights this area to be at risk of flooding. These surface water flood maps are useful in highlighting the flood risk from small watercourses.

The surface water in this area drains to the Afon Dafen (main river). The conveyance in the Afon Dafen is restricted by the limited capacity of the culvert under the railway line. As a result, water north of the railway 'backs-up' which in turn affects the local surface water system.

In addition to the above issue the surface water systems in this area have very little fall. As such they are vulnerable to siltation and require periodic desilting with high pressure jetting.

7.3 Flooding Events

Flooding at Trostre Road, Gorsedd and Trostre Business Park occurs annually due to a combination of conveyance and capacity issues.

In 2018 there were 2 incidents of internal property flooding recorded and 2 recorded incidents of commercial premises and highway flooding.

7.4 Flood Defence Capital Works undertaken by CCC

CCC are currently investigating solutions with its partners namely NRW and Network Rail.

7.5 Flood Defence Capital Works undertaken by Partnership Organisations

Natural Resources Wales are working with Network Rail to develop a scheme to resolve the restriction on flow caused by the existing culverts. This is currently a medium-term project over 5-10-years.

7.6 Flood Defence Assets



7.7 Routine Works and Maintenance

Area	Works Undertaken	When
Afon Dafen Trash Screen	Formal T98 Inspection	Annually
	Debris management	Weekly in the winter Monthly in the summer

7.8 Proposed Future Works

Liaise with NRW and Network rail regarding the management of the Afon Dafen trash screen.

Work with the Highway's Authority to manage the Trostre Road culvert.

7.9 Flood Risk

7.9.1 Map 1: Total Properties

Map 1 over the page displays data on the total number of properties at risk of flooding. Total properties can include dwellings, garages, commercial premises, industrial premises and similar structures.

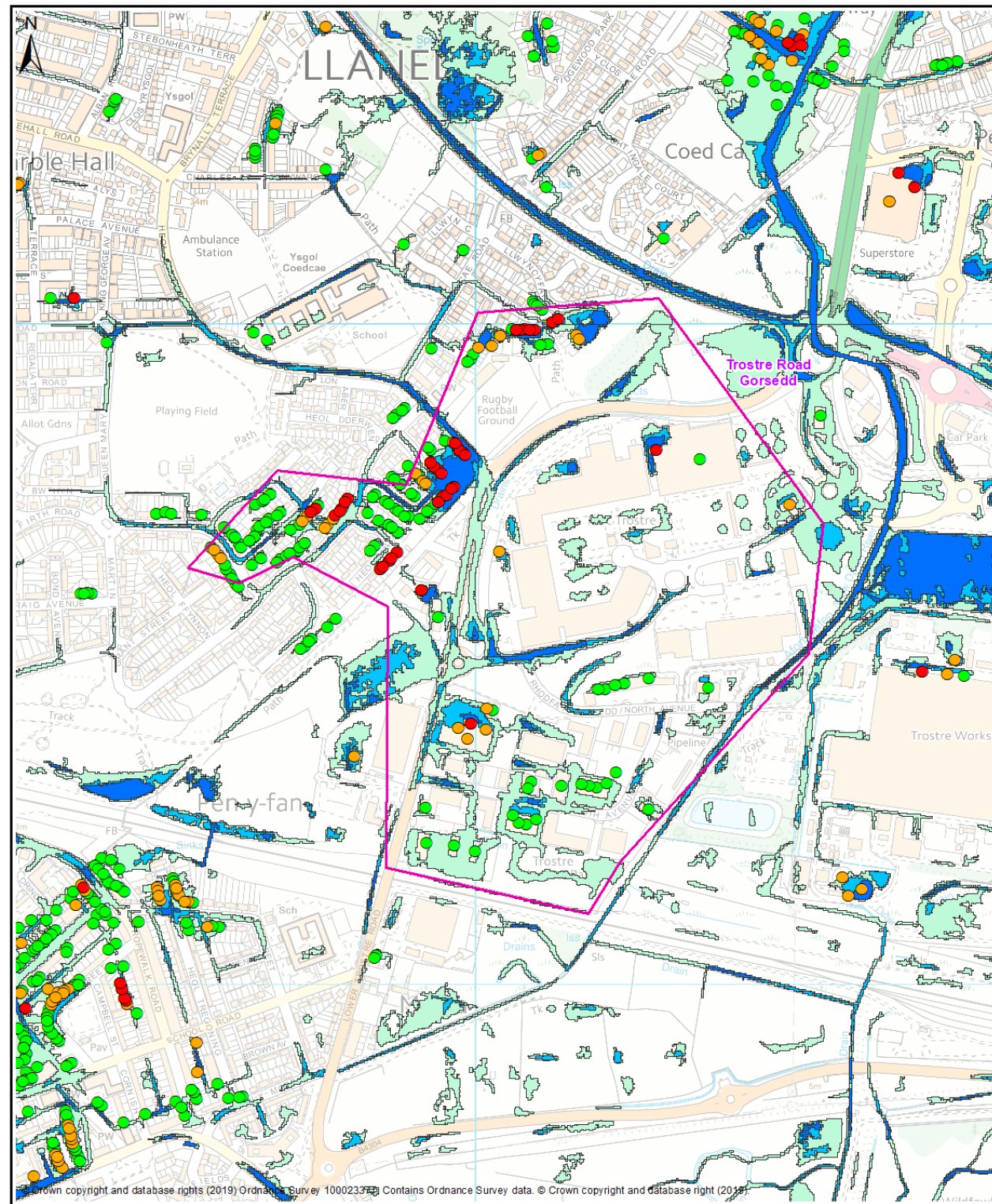
7.9.2 Map 2: Dwellings and Services

Map 2 below displays data on the residential properties and services at risk of flooding.

7.9.3 Map 3: Community at Risk Register (CaRR)

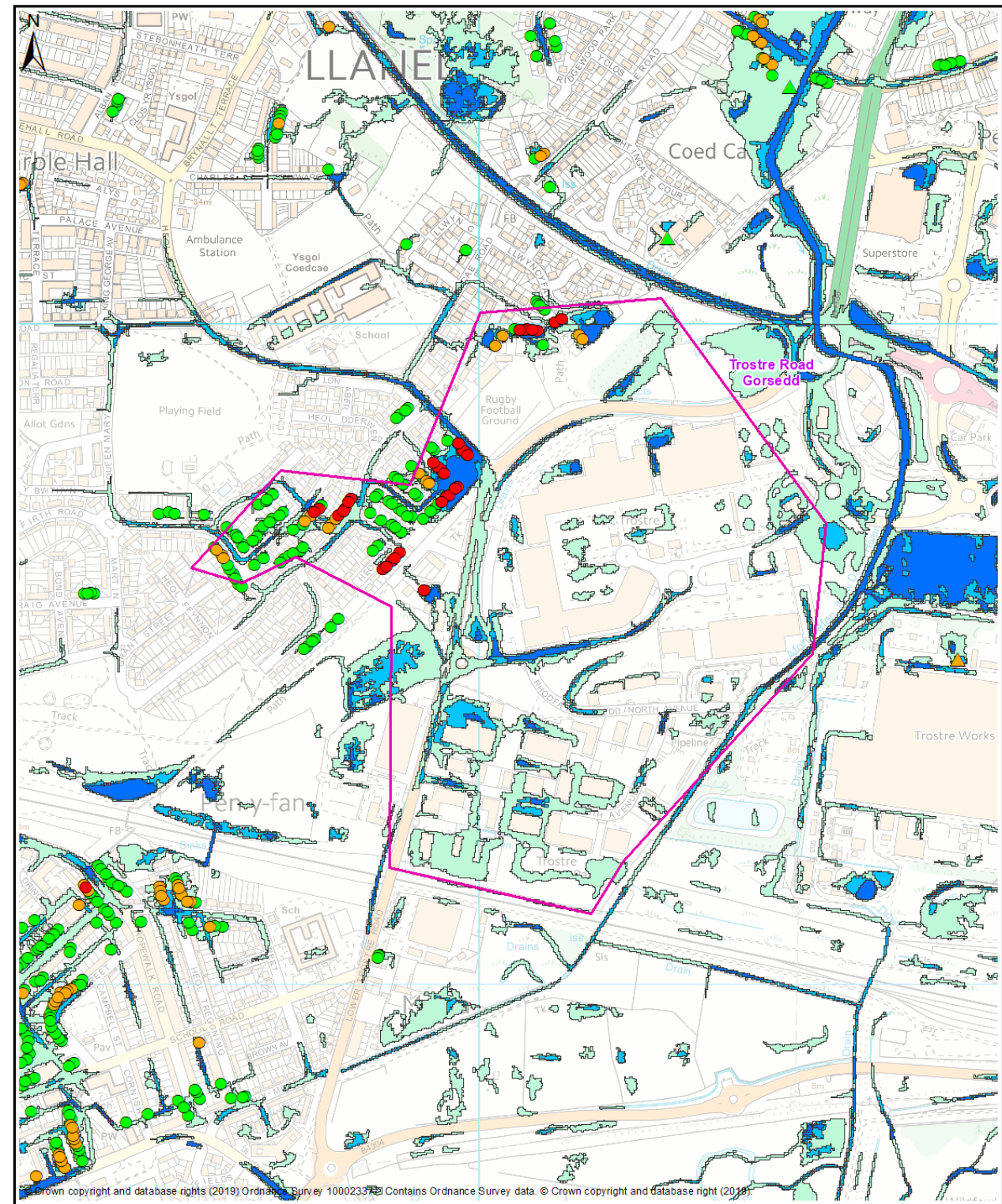
This is the most recent flood mapping from Welsh Government. This dataset depicts all properties at risk of pluvial (surface water) flooding in a storm event with a 1 in 100 probability.

	Number of specified units at risk of flooding		
	1 in 30 probability storm event	1 in 100 probability storm event	1 in 1000 probability storm event
Map 1 Total Properties	37	60	153
Map 2 Dwellings and Services	35	50	111
Map 3 CaRR	n/a	34	n/a



Map 1 - All Properties

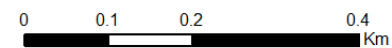
- Legend**
- Policy Unit
 - uFMSW Q30 Surface Water Flood Outline 1 in 30 Probability Storm Event
 - uFMSW Q100 Surface Water Flood Outline 1 in 100 Probability Storm Event
 - uFMSW Q1000 Surface Water Flood Outline 1 in 1000 Probability Storm Event
 - Q30 All Property Classes Flood Depth 150mm or Greater
 - Q100 All Property Classes Flood Depth 150mm or Greater
 - Q1000 All Property Classes Flood Depth 150mm or Greater

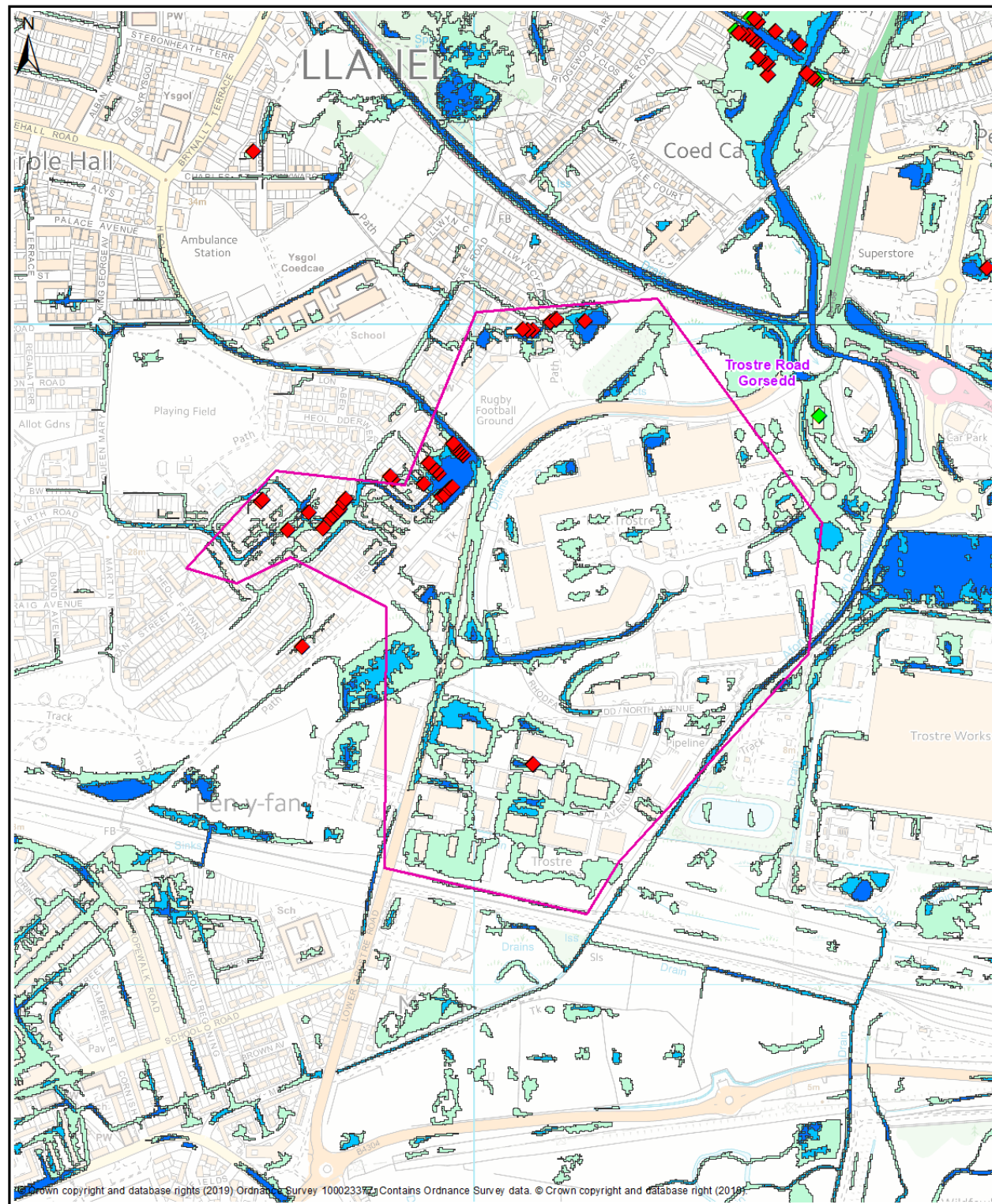


Map 2 - Dwellings and Services

- Legend**
- Policy Unit
 - uFMSW Q30 Surface Water Flood Outline 1 in 30 Probability Storm Event
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 - uFMSW Q1000 Surface Water Flood Outline 1 in 1000 Probability Storm Event
 - Q30- Dwellings Flood Depth 150mm or Greater
 - Q100- Dwellings Flood Depth 150mm or Greater
 - Q1000- Dwellings Flood Depth 150mm or Greater
 - ▲ Q30- Services Flood Depth 150mm or Greater
 - ▲ Q100- Services Flood Depth 150mm or Greater
 - ▲ Q1000- Services Flood Depth 150mm or Greater

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Map 3 - Communities at Risk Register

- Legend**
- Policy Unit
 - uFMSW Q30
Surface Water Flood Outline
1 in 30 Probability Storm Event
 - uFMSW Q100
Surface Water Flood Outline
1 in 100 Probability Storm Event
 - uFMSW Q1000
Surface Water Flood Outline
1 in 1000 Probability Storm Event

- ◆ CARR Pluvial
- ◆ CARR Fluvial

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