

## 11 Bynea Ward, Cwmfelin Road Policy Unit

### 11.1 Area Description

The Cwmfelin Road Policy Unit comprises the catchments of 2 unnamed ordinary watercourses. These watercourses originate north and south of Cwmfelin Road. Watercourse 1 to the north flows initially in an open channel before being culverted to the west of Bynea Primary School where it enters a culvert via a trash screen system. Watercourse 2 to the south of Cwmfelin Road flows in an open channel beneath a bridge adjacent to the scrap yard. From this bridge the watercourse is designated as a main river.

### 11.2 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 and general surface water flooding.

Senior Engineers at Carmarthenshire County Council recall incidents of surface water flooding.

The culverted sections of watercourse are considered to be at risk of blockage by CCC Engineers.

### 11.3 Flooding Events

There has been a history of flooding in this Policy Unit:

- 2010 Berwick Road, this was due to DCWW assets not working
- 2010 Bynea Primary School trash screen was blocked with tyres

### 11.4 Flood Defence Capital Works undertaken by CCC

- 2010 Bynea Primary School screen upgraded.
- 2011 Watercourse dredged rear of Cwmfelin Road
- 2012 Culvert Relined underneath 35 Cwmfelin Road

### 11.5 Flood Defence Assets

Bynea School Trash Screen	Bynea School Culvert
	

### 11.6 Routine Works and Maintenance

Area	Works Undertaken	When
Bynea School Trash Screen	Formal T98 Inspection	Annually
	Debris management	Weekly in the winter Monthly in the summer
Bynea School Culvert	CCTV camera survey	2018, 2020
Watercourse rear of Cwmfelin Road	Dredging	5 Year Cycle

### 11.7 Proposed Future Works

Undertake CCTV camera survey. Works to address any structural or service faults identified will be actioned on a risk-based basis.

### 11.8 Flood Risk

#### 11.8.1 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.

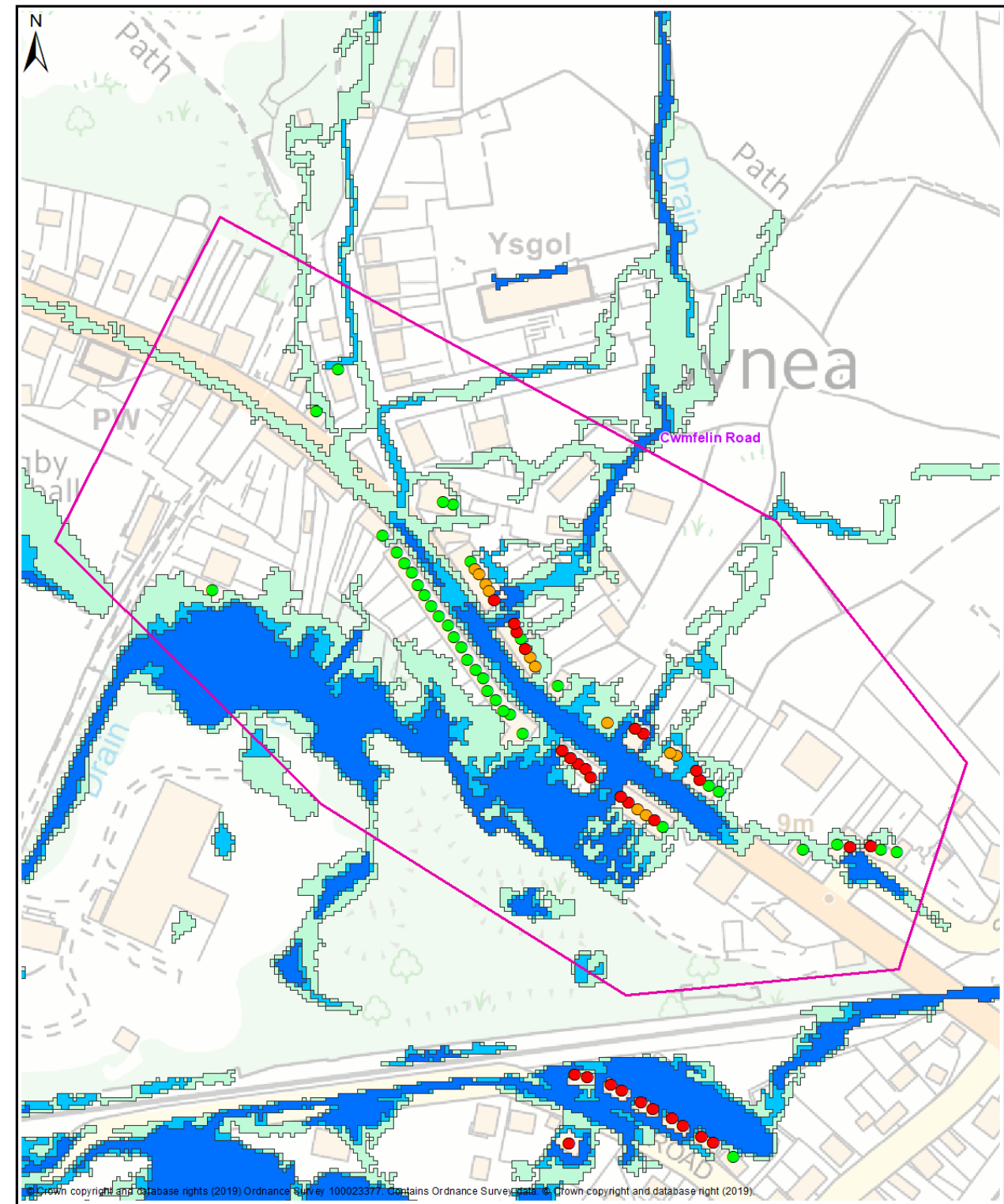
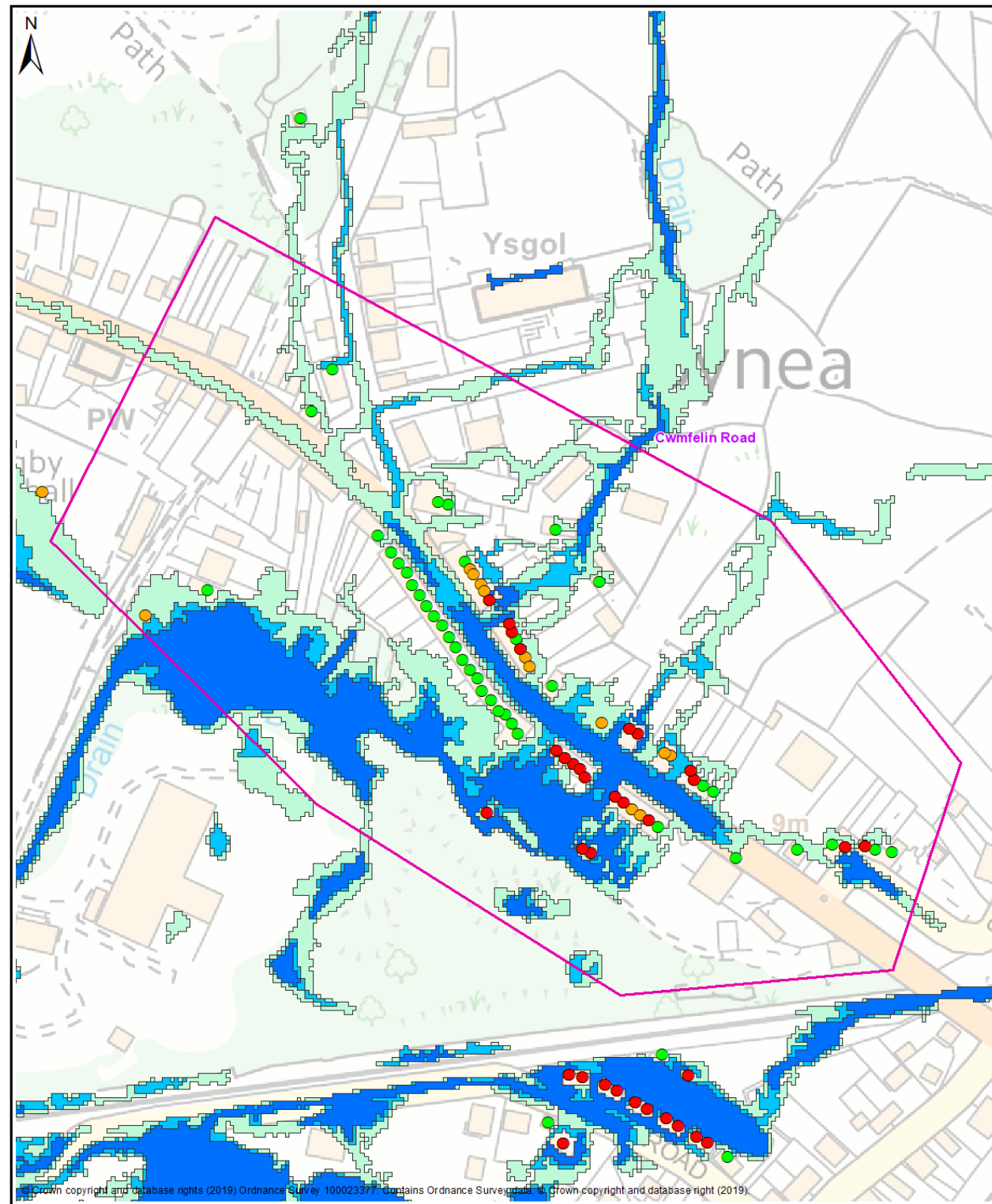
#### 11.8.2 Map 2: Dwellings and Services

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

#### 11.8.3 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	21	33	71
Map 2 Dwellings and Services	18	29	63
Map 3 CaRR	n/a	1	n/a



Map 1 - All Properties

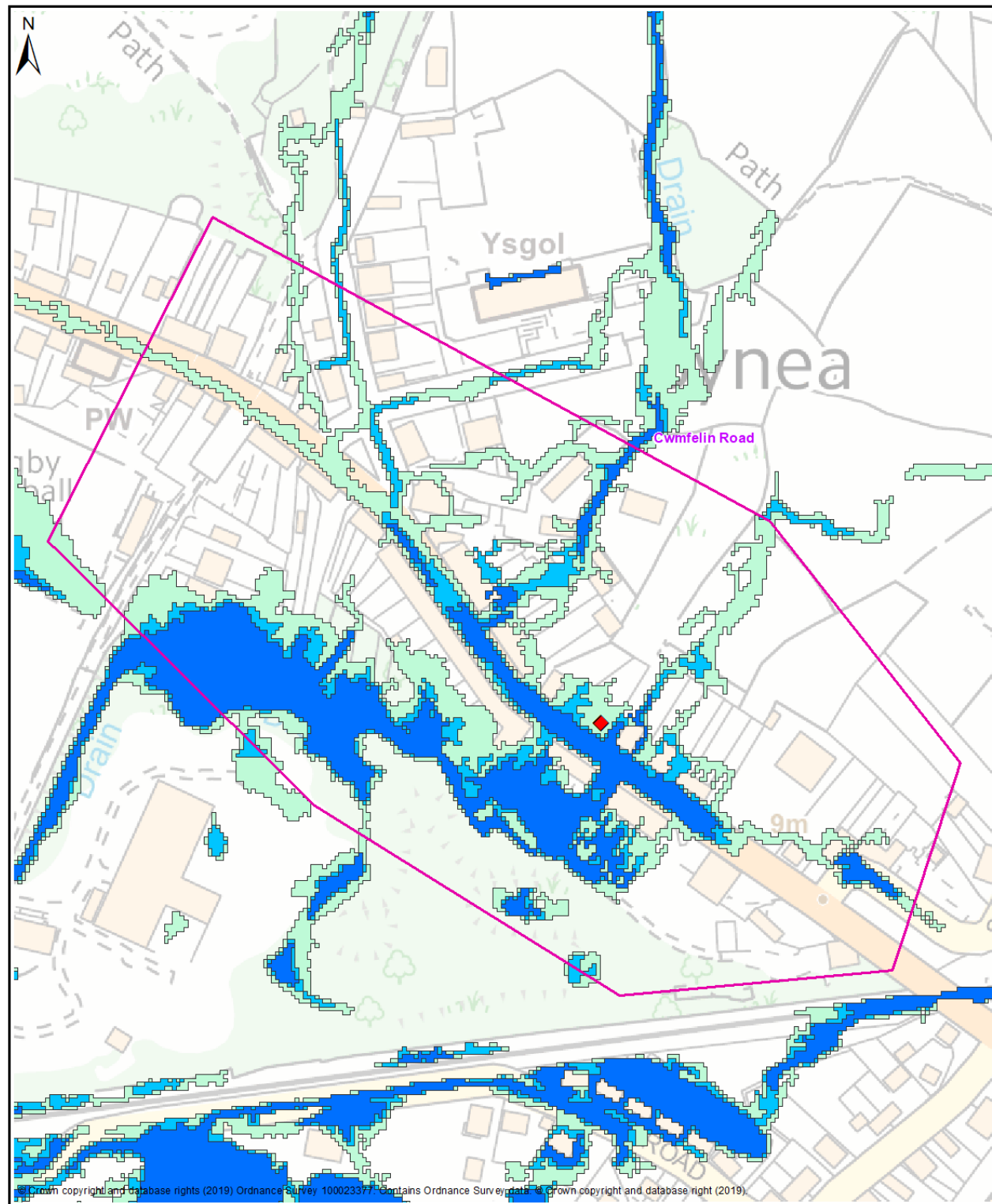
- Legend**
- Policy Unit
  - uFMSW Q30  
Surface Water Flood Outline  
1 in 30 Probability Storm Event
  - uFMSW Q100  
Surface Water Flood Outline  
1 in 100 Probability Storm Event
  - uFMSW Q1000  
Surface Water Flood Outline  
1 in 1000 Probability Storm Event
  - Q30 All Property Classes  
Flood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

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Cwmfelin Road Policy Unit**



Map 2 - Dwellings and Services

- 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- 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



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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