

## 26 Gorslas Ward, Drefach Policy Unit

### 26.1 Area Description

The Drefach Policy Unit comprises the catchment associated with an unnamed ordinary watercourse to the north of the area and agricultural land to the east. This watercourse north of Brynglas flows in an open watercourse before being culverted underneath a path and through a trash screen. The agricultural land to the east is at a higher level than the bungalows at Brynglas.

### 26.2 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.

At No.65 to No.35 Brynglas, the highway and dwellings are below the level of the neighbouring drainage ditch serving the agricultural land. As such there is a risk that any water overtopping the bank will impact on the highway and neighbouring properties. In addition to this, the culverted section of watercourse west of No.42 Brynglas is at risk of blockage at the trash screen.

### 26.3 Flooding Events

- 2017: Ditch in field blocked resulting in surface water flooding - 1 domestic property flooded internally
- 2017: Flooding from Nant Y Dderwen - 1 property affected, external issues only
- 2018: Blockage of Bryn Glas Trash Screen - no internal flooding reported

### 26.4 Flood Defence Capital Works undertaken by CCC

- 1990s: Bryn Glas trash screen constructed on unnamed watercourse
- 2017: A damaged section of culvert was renewed and a new bund and headwall was constructed to the east of No.35 Brynglas

### 26.5 Flood Defence Assets

- Retaining Bund
- Bryn Glas Trash Screen

### 26.6 Routine Works and Maintenance

Area	Works Undertaken	When
Bryn Glas Trash Screen	Formal T98 Inspection	Annually
	Debris management	Weekly in the winter Monthly in the summer
Retaining Bund	Formal T98 Inspection	Annually

### 26.7 Proposed Future Works

Continue to work with Housing to manage the flood risk to the Bryn Glas Estate.

## 26.8 Flood Risk

### 26.8.1 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.

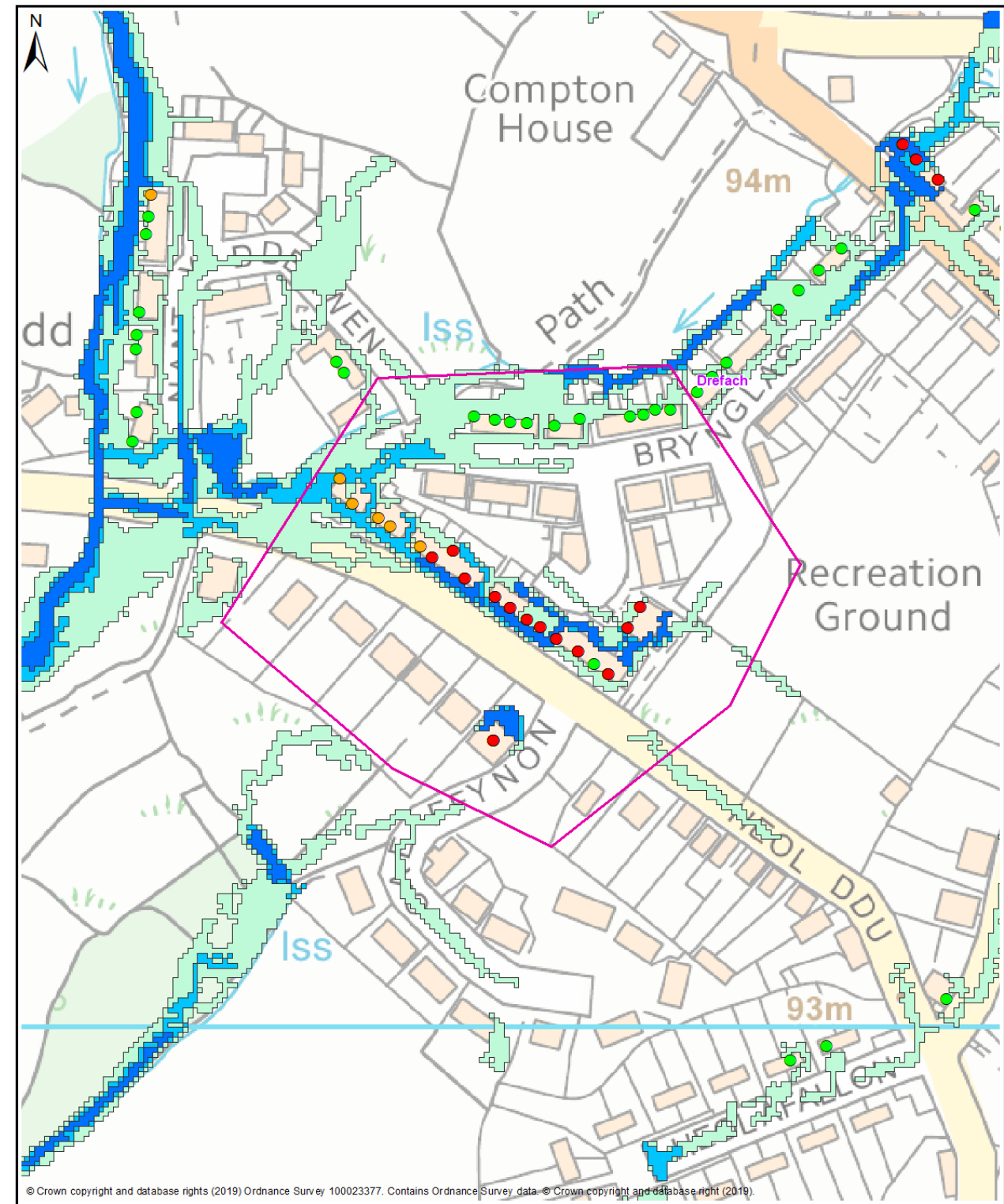
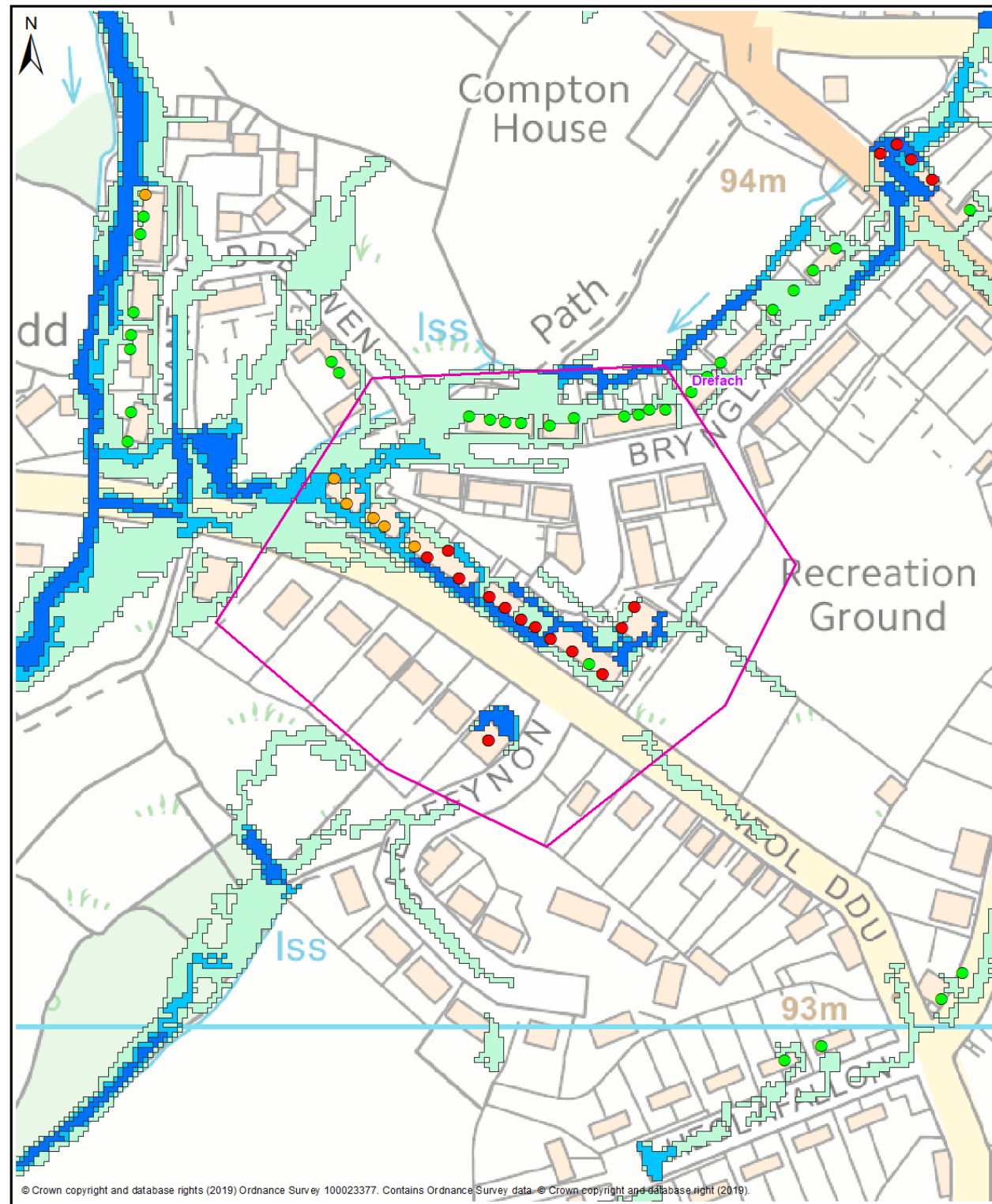
### 26.8.2 Map 2: Dwellings and Services

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

### 26.8.3 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	14	19	30
Map 2 Dwellings and Services	14	19	30
Map 3 CaRR	n/a	4	n/a



Map 1 - All Properties

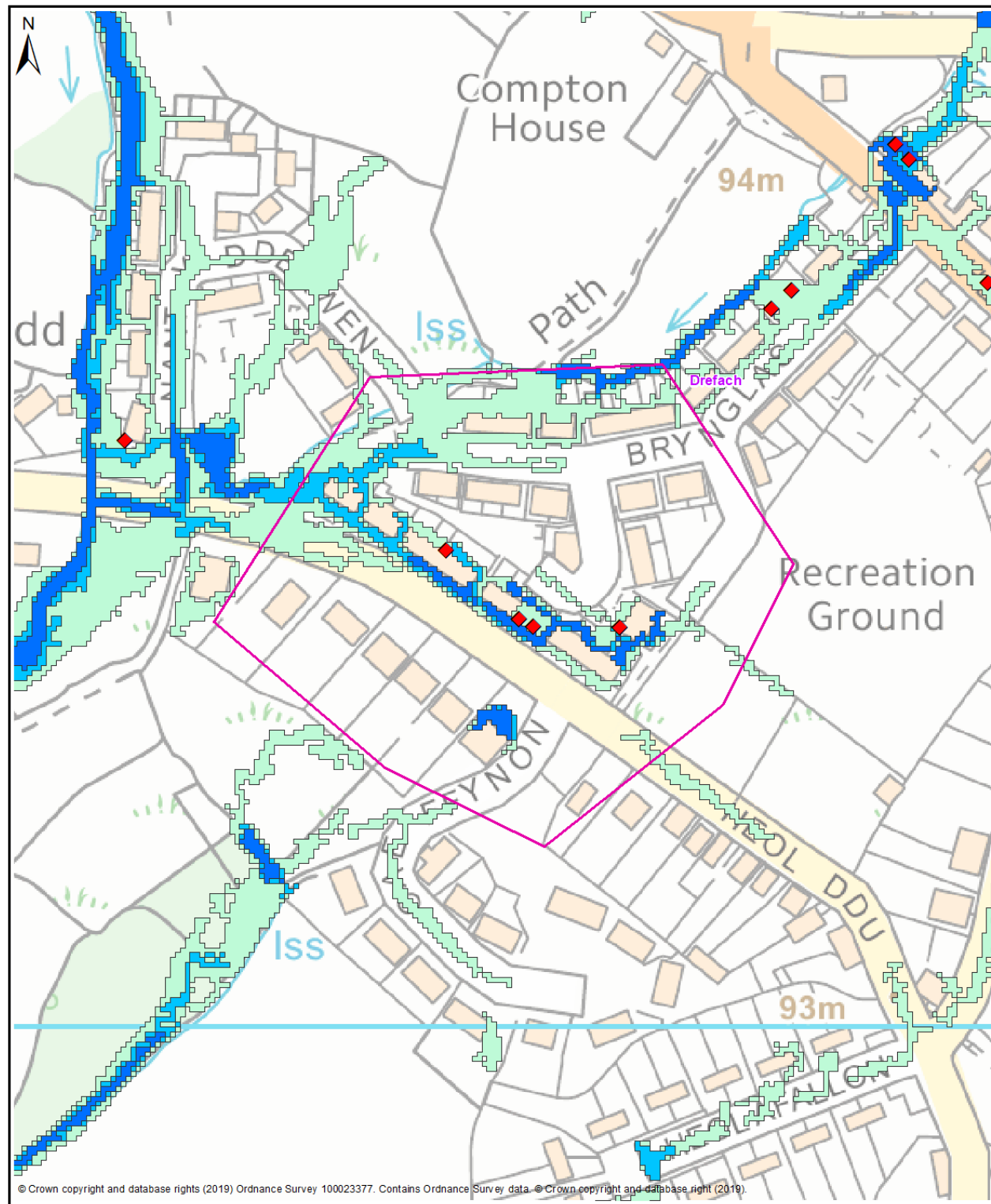
- Legend**
- Policy Unit
  - uFMSW Q30 Surface Water Flood Outline 1 in 30 Probability Storm Event
  - uFMSW Q100 Surface Water Flood Outline 1 in 100 Probability Storm Event
  - uFMSW Q1000 Surface Water Flood Outline 1 in 1000 Probability Storm Event
  - Q30 All Property Classes Flood Depth 150mm or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

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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

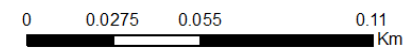


Map 3 - Communities at Risk Register

**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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