

## 27 Gorslas Ward, Gorslas Square Policy Unit

### 27.1 Area Description

The Gorslas Square Policy Unit is located in the upper reaches of the Gwendraeth Fawr catchment with large rural areas upstream comprising of very boggy terrain and forestry. The Llyn Lech Owen Reservoir is located above the Policy Unit and the fields between both have numerous drainage ditches which collect surface water and drain it towards the square. Gorslas has a mixture of high and low density residential homes and several businesses.

### 27.2 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 local area is notably boggy, and the natural run-off rate of the surrounding fields is likely to be much higher than average. In addition to this the geology of the area is very clayey. Local developments in the area have also found high water tables and have had difficulty in controlling surface water.

While no reports of flooding have been received by CCC, continued development of the area may change this and potentially cause issues if careful planning is not implemented.

### 27.3 Flooding Events

CCC have no record of any flooding in this area.

### 27.4 Flood Defence Capital Works undertaken by CCC

None

### 27.5 Flood Defence Assets

None

### 27.6 Routine Works and Maintenance

Area	Works Undertaken	When
Gorslas Square Culvert	CCTV camera survey	2018

### 27.7 Proposed Future Works

CCC will continue to monitor the culvert and undertake CCTV camera survey of the local infrastructure. Any structural or service faults will be actioned on a risk-based basis.

## 27.8 Flood Risk

### 27.8.1 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.

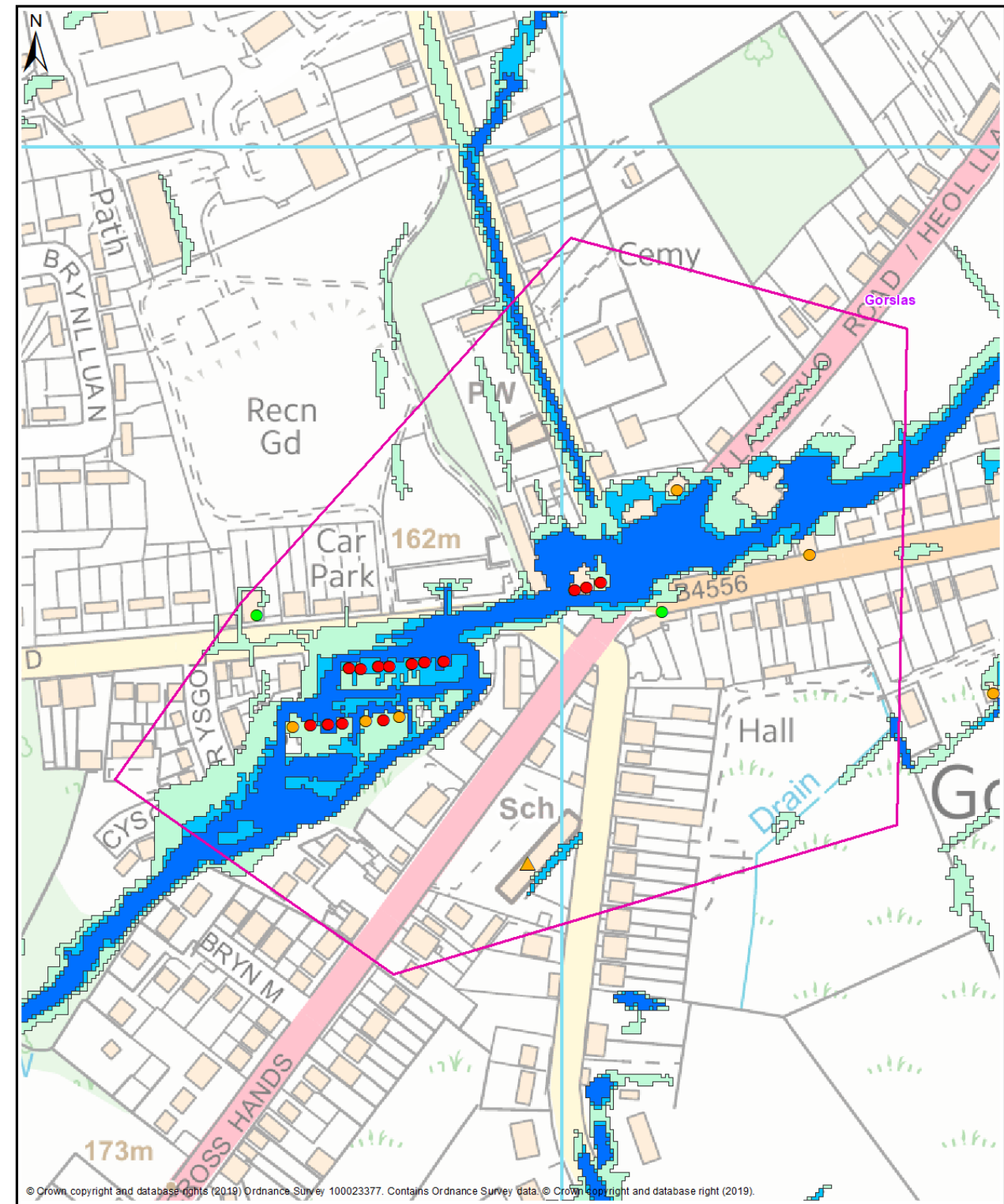
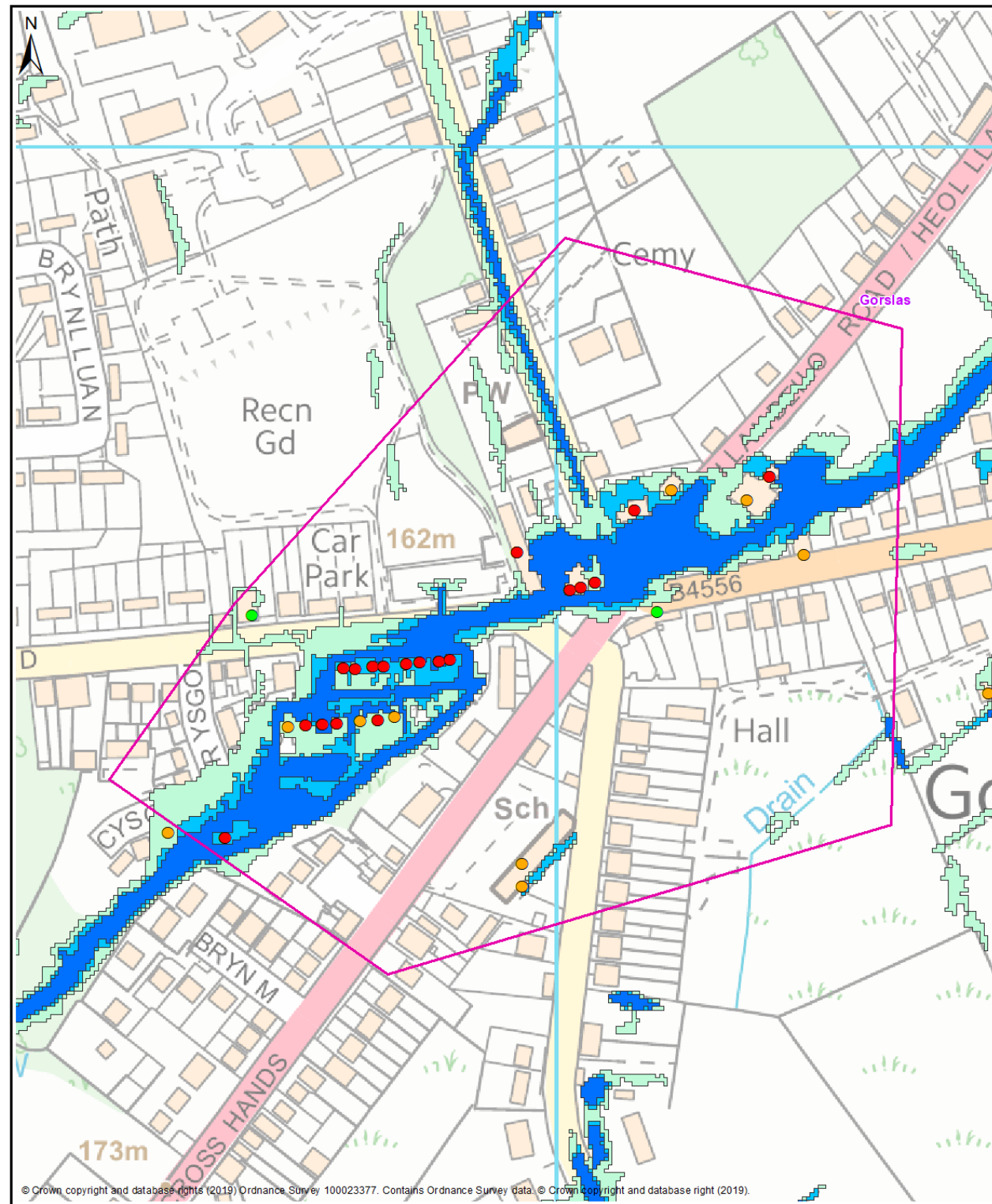
### 27.8.2 Map 2: Dwellings and Services

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

### 27.8.3 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
<b>Map 1 Total Properties</b>	19	27	29
<b>Map 2 Dwellings and Services</b>	14	20	22
<b>Map 3 CaRR</b>	n/a	16	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

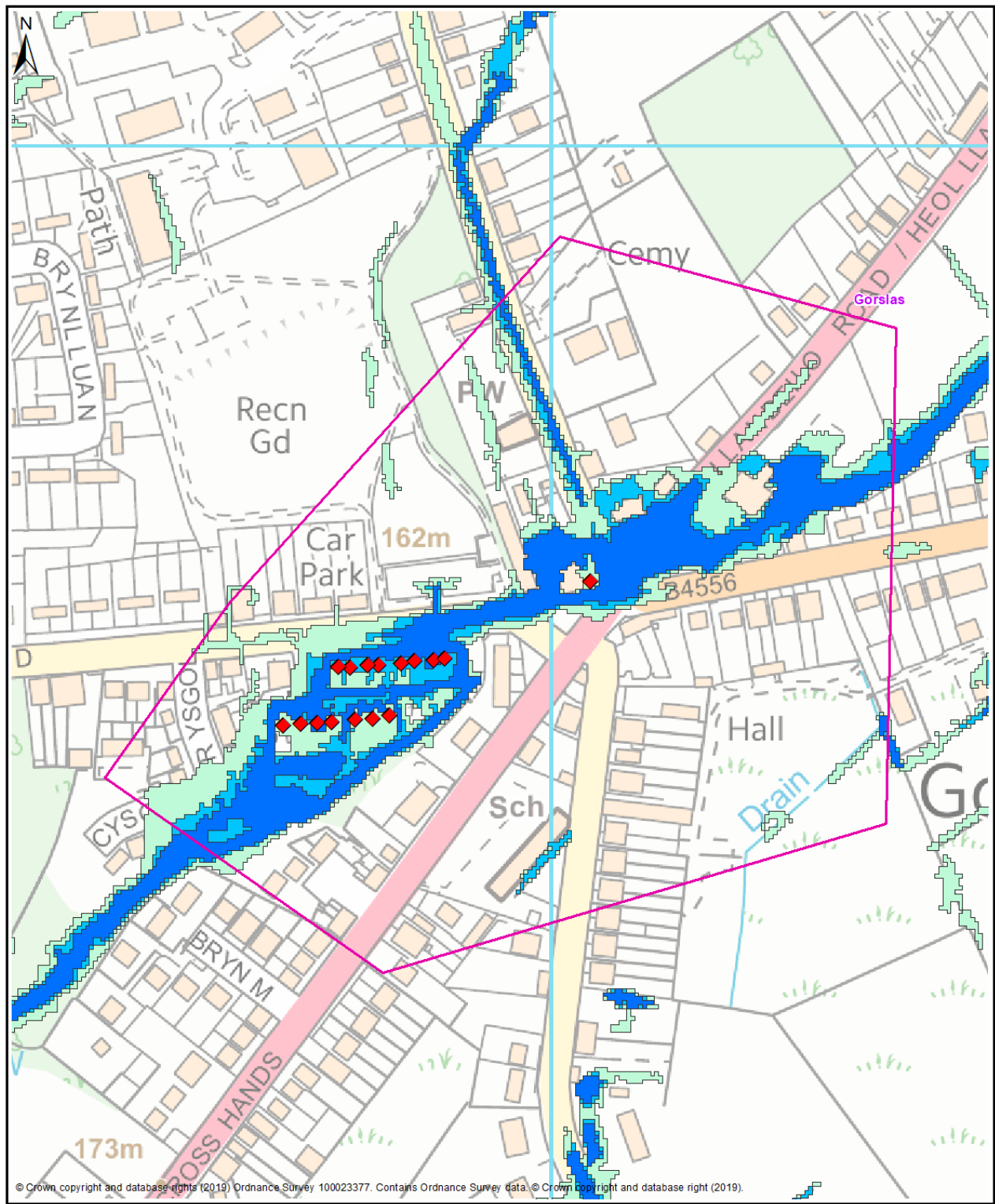
Gorslas Ward  
Gorslas Policy Unit



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
- uFMISW Q30  
Surface Water Flood Outline  
1 in 30 Probability Storm Event
- uFMISW Q100  
Surface Water Flood Outline  
1 in 100 Probability Storm Event
- uFMISW Q1000  
Surface Water Flood Outline  
1 in 1000 Probability Storm Event

- ◆ CARR Pluvial
- ◆ CARR Fluvial

