

## 14 Cenarth Ward, Newcastle Emllyn Policy Unit

### 14.1 Area Description

The Newcastle Emllyn Policy Unit comprises the catchment associated with an unnamed ordinary watercourse, originating south of Quarry Ffinant. It flows initially in an open channel before being culverted at Quarry Ffinant where the culvert runs to the rear of the properties. It then crosses the A484 at Ebenezer Street where the culvert continues northwards through a narrow alley to an outfall near the River Tyfi.

### 14.2 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.

Any blockage in the culvert system, or if the capacity is exceeded, will force water from the channel and onto the highway. From here it will flow into the town centre. Blockages are common due to the erosion of soft shales and gravel that are eroded and deposited from the catchment.

### 14.3 Flooding Events

There has been a history of flooding in Newcastle Emllyn from the streams around Quarry Ffinant and School Road but there is no information on these flooding incidents

### 14.4 Flood Defence Capital Works undertaken by CCC

The culvert from Quarry Ffinant to the River Tyfi was constructed by Carmarthenshire District Council in the 1980's.

The current inlet trash screen at Quarry Ffinant was constructed in 2005.

### 14.5 Flood Defence Assets



### 14.6 Routine Works and Maintenance

Area	Works Undertaken	When
Quarry Ffinant Trash Screen	Formal T98 Inspection	Annually
	Debris management	Weekly in the winter Monthly in the summer
Quarry Ffinant Culvert	CCTV camera survey	2018

### 14.7 Proposed Future Works

Funding for the renewal of the culvert between Quarry Ffinant and Ebenezer Street has been sought from Welsh Government. Initial investigations have highlighted that the culvert is at risk of failure.

### 14.8 Flood Risk

#### 14.8.1 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.

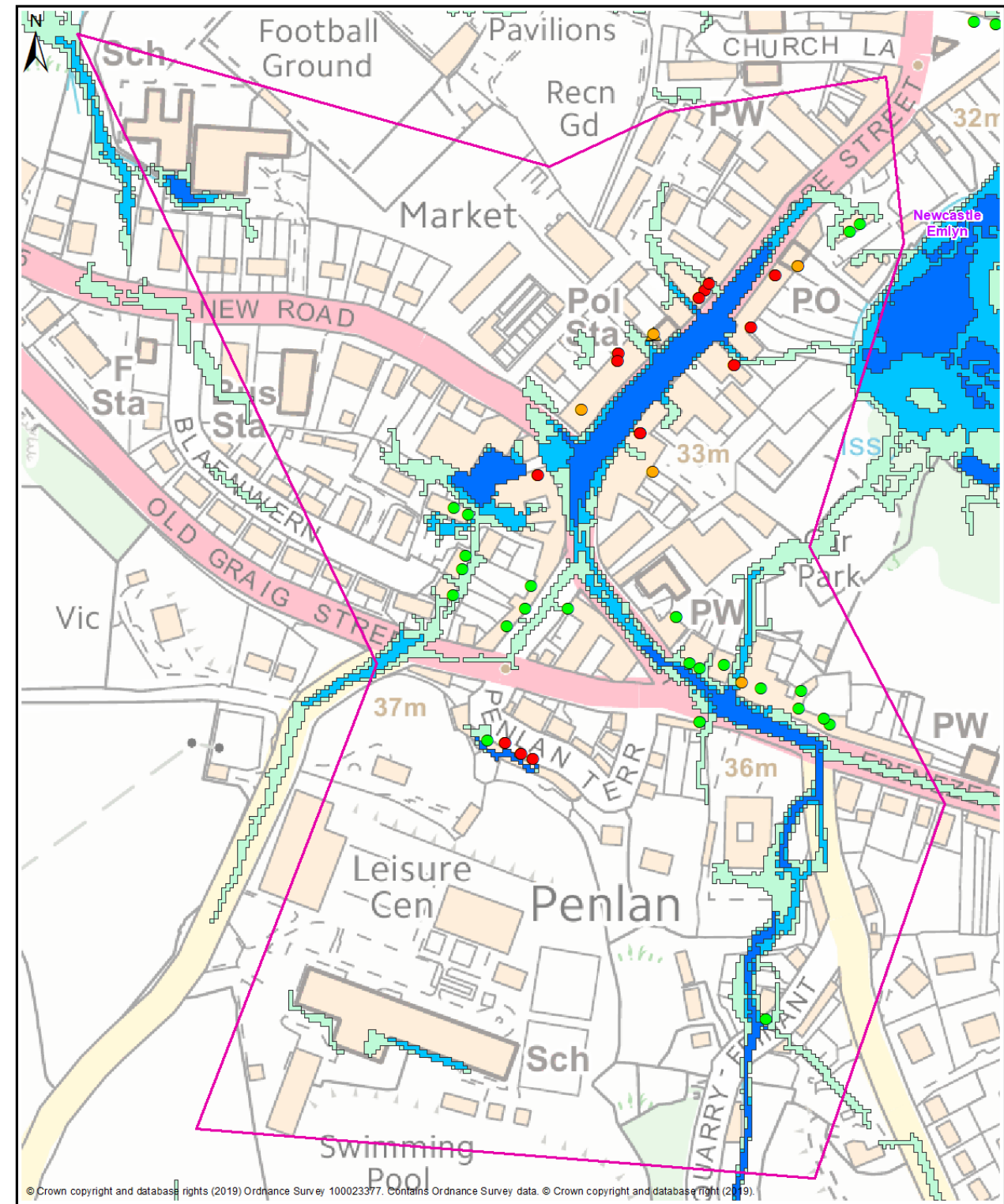
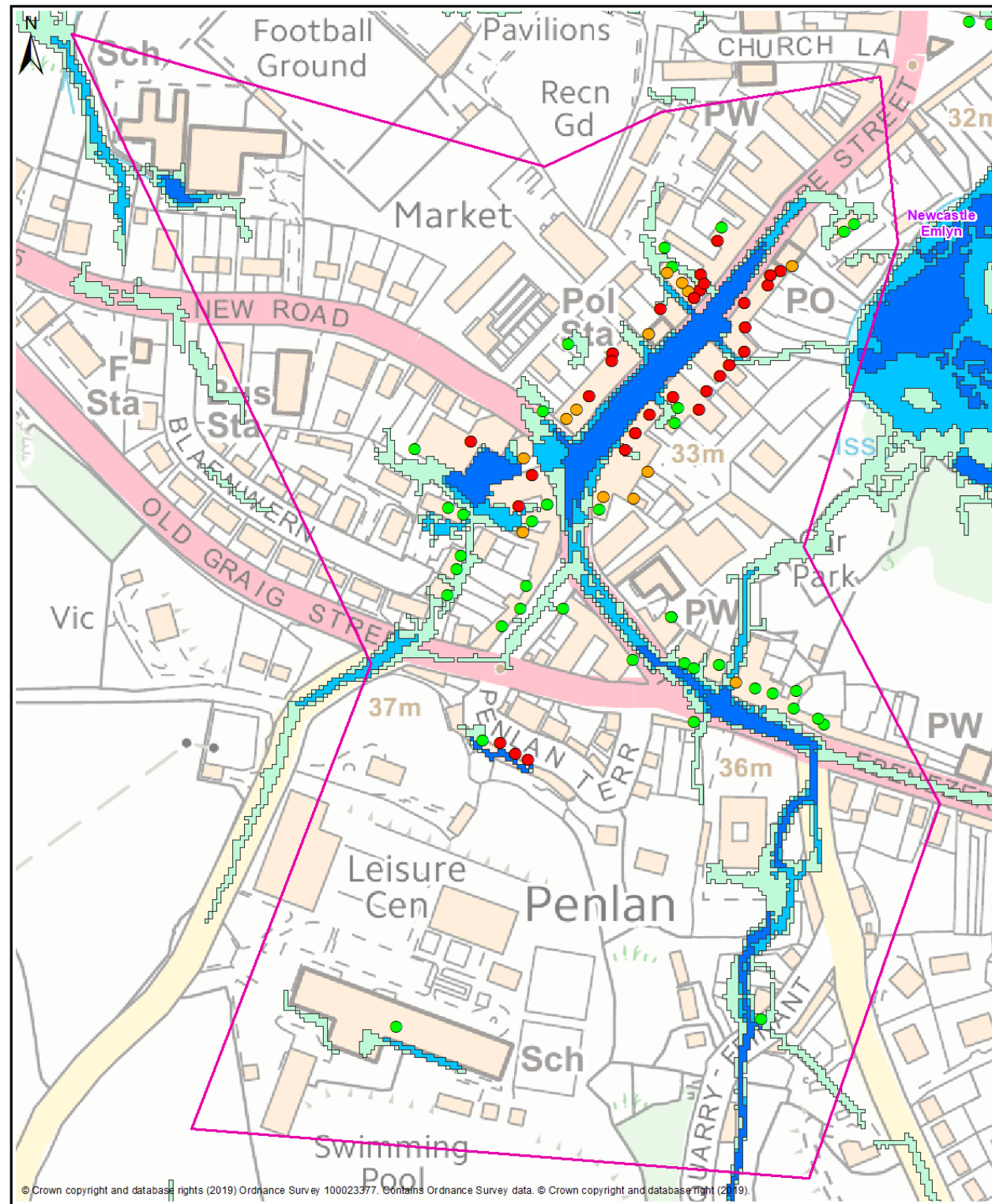
#### 14.8.2 Map 2: Dwellings and Services

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

#### 14.8.3 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	50	67	110
Map 2 Dwellings and Services	25	32	57
Map 3 CaRR	n/a	2	n/a



Map 1 - All Properties

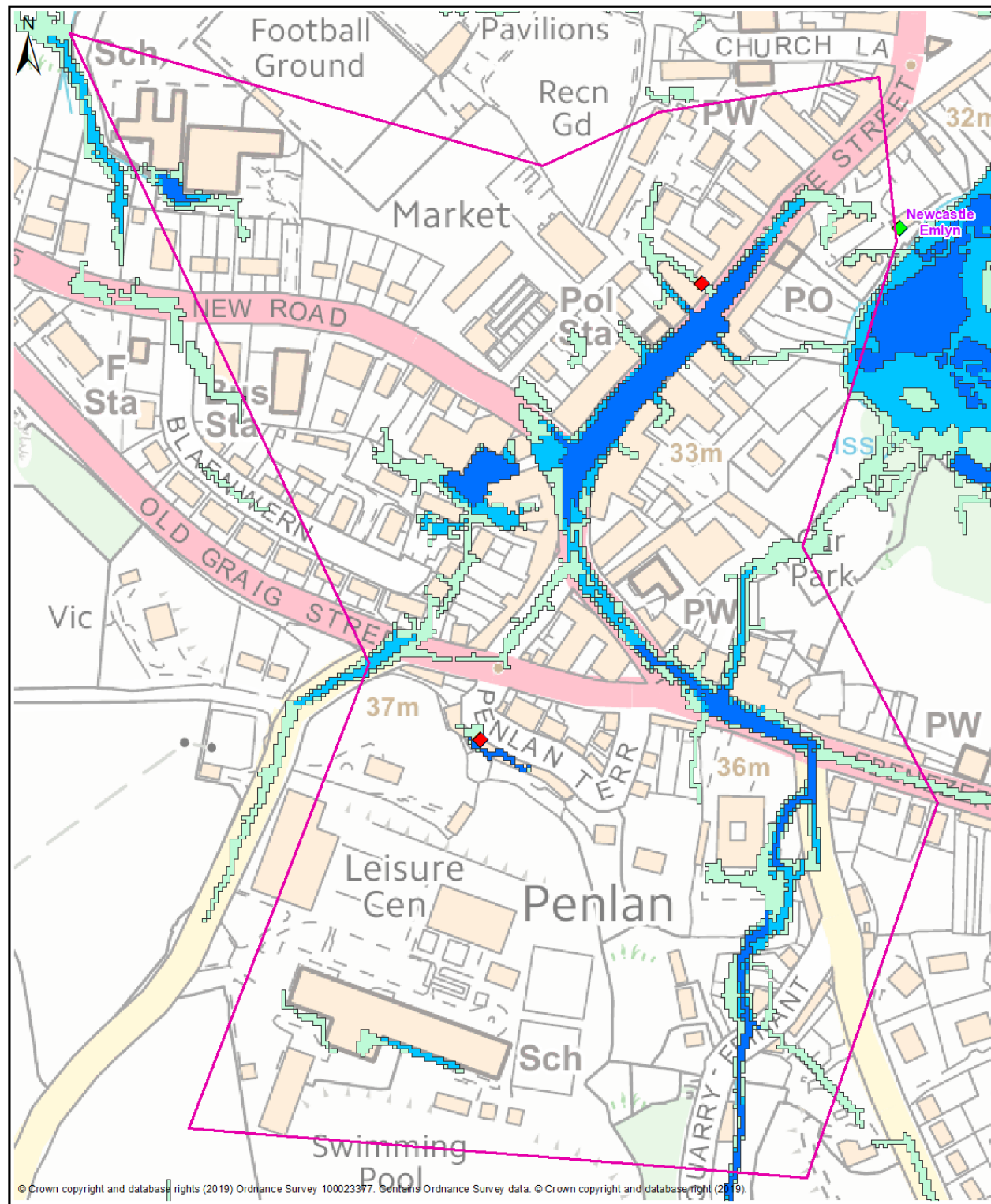
- Legend**
- Policy Unit
  - uFMSW Q30 Surface Water Flood Outline 1 in 30 Probability Storm Event
  - uFMSW Q100 Surface Water Flood Outline 1 in 100 Probability Storm Event
  - uFMSW Q1000 Surface Water Flood Outline 1 in 1000 Probability Storm Event
  - Q30 All Property Classes Flood Depth 150mm or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

**Cenarth Ward  
Newcastle Emlyn Policy Unit**





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

Cenarth Ward  
Newcastle Emlyn Policy Unit

