

## 28 Hengoed Ward, Iscoed & Sandy Road Policy Unit

### Area Description

The Iscoed & Sandy Road Policy Unit comprises a large urbanised area in Llanelli which has several ordinary watercourses. These watercourses originate from Stradey Wood and the northern most reaches of Hengoed Ward. The River Cille was previously classed as Main River but has recently been re-classified as an ordinary watercourse and returned to an open channel. The Cille bypass culvert has now been classed as Main River and is maintained by NRW. All flows eventually discharge into Sandy Water Park.

### 28.1 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 catchment above the Policy Unit can be described as steep and comprises mainly open farmland but also has wooded area that can convey a large volume of surface water quickly to the urbanised area below.

In addition to this, culverted sections of watercourse are at risk of blockage and blockages can result in flooding.

### 28.2 Flooding Events

Iscoed has experienced extensive flooding historically but changes in the drainage system to facilitate the development of the new Furnace School and the Taylor Wimpey Homes have removed this 'pinch point'.

- 2013: Groundwater flooding of gardens in Denham Avenue
- 2015: Groundwater flooding of gardens in Denham Avenue
- 2016: Groundwater flooding of gardens in Denham Avenue
- 2016: Flooding in Penywern as a result of a blocked private surface water sewer.

There have been multiple complaints of gardens flooding in Denham Avenue and meetings have been held with MP Nia Griffiths and local residents. This flooding has been attributed to local groundwater.

### 28.3 Flood Defence Capital Works undertaken by CCC

- 2010: The trash screen at Penywern was upgraded
- 2017: Repair works were undertaken to a section of the Penywern Culvert post a collapse

### 28.4 Flood Defence Assets

Penywern Trash Screen	Penywern Culvert	Denham Avenue Culvert
K P Tyres Trash Screen	K P Tyres Culvert	

### 28.5 Routine Works and Maintenance

Area	Works Undertaken	When
Trash Screens	Formal T98 Inspection	Annually
	Debris management	Weekly in the winter Monthly in the summer
Culverts	CCTV camera survey	2018

### 28.6 Proposed Future Works

- 2018: Continue to work with local resident and elected members pertaining to surface water issues in Denham Avenue
- 2019/20: Undertake an outline business case into the upgrading of the culvert in Penywern and Denham Avenue

### 28.7 Flood Risk

#### 28.7.1 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.

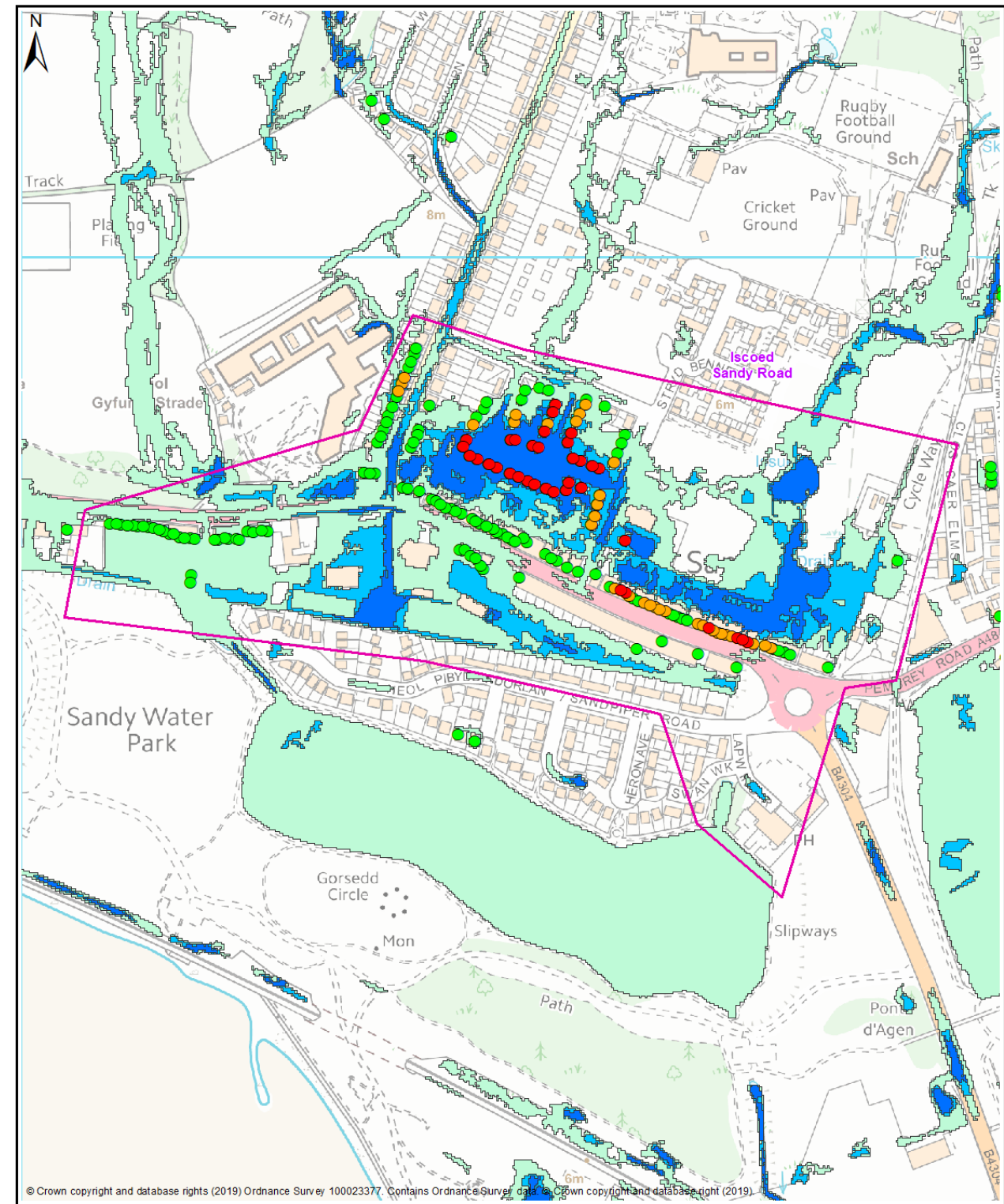
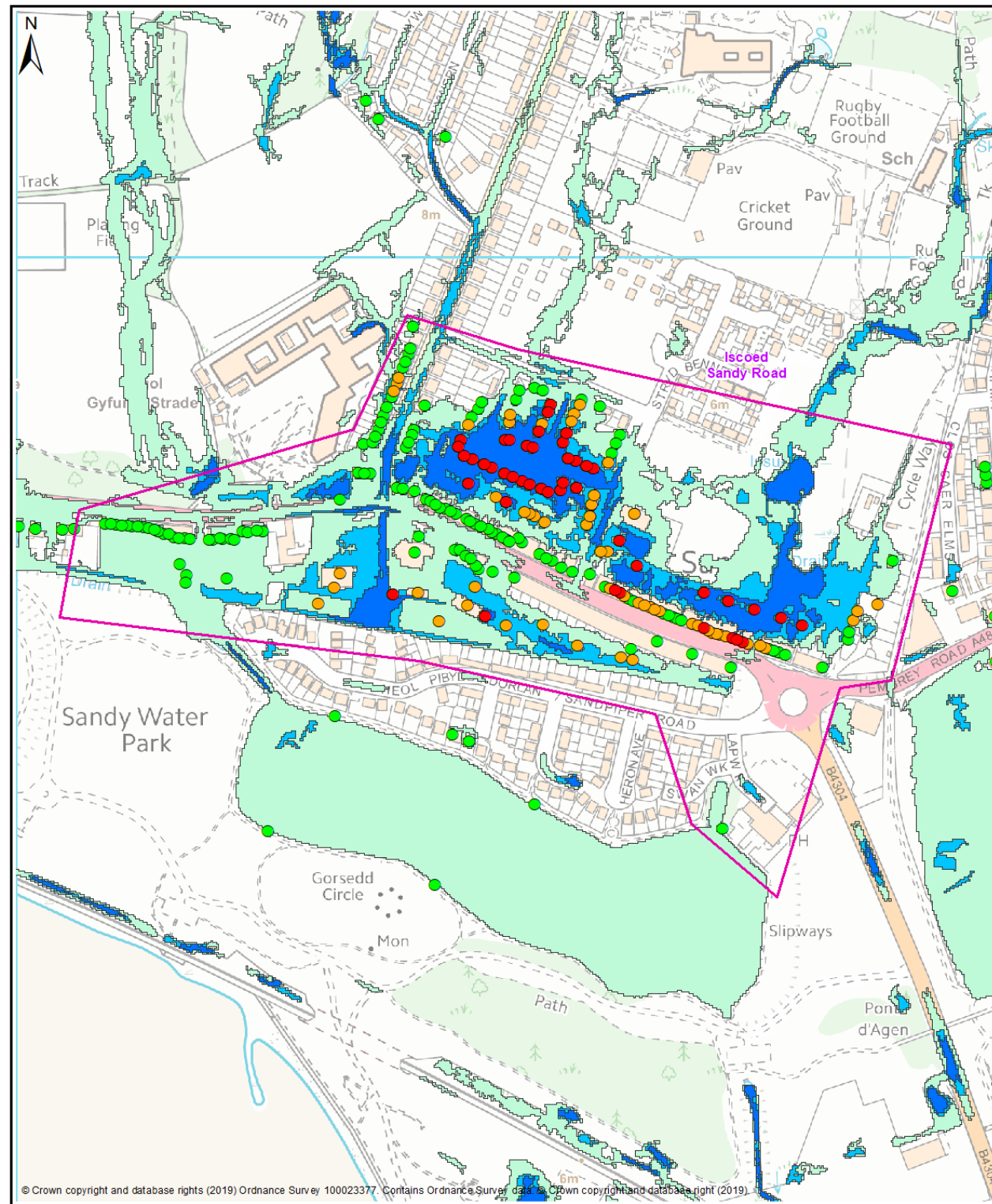
#### 28.7.2 Map 2: Dwellings and Services

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

#### 28.7.3 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	46	106	230
Map 2 Dwellings and Services	36	72	185
Map 3 CaRR	n/a	66 Pluvial 186 Fluvial	n/a



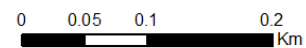
Map 1 - All Properties

- 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

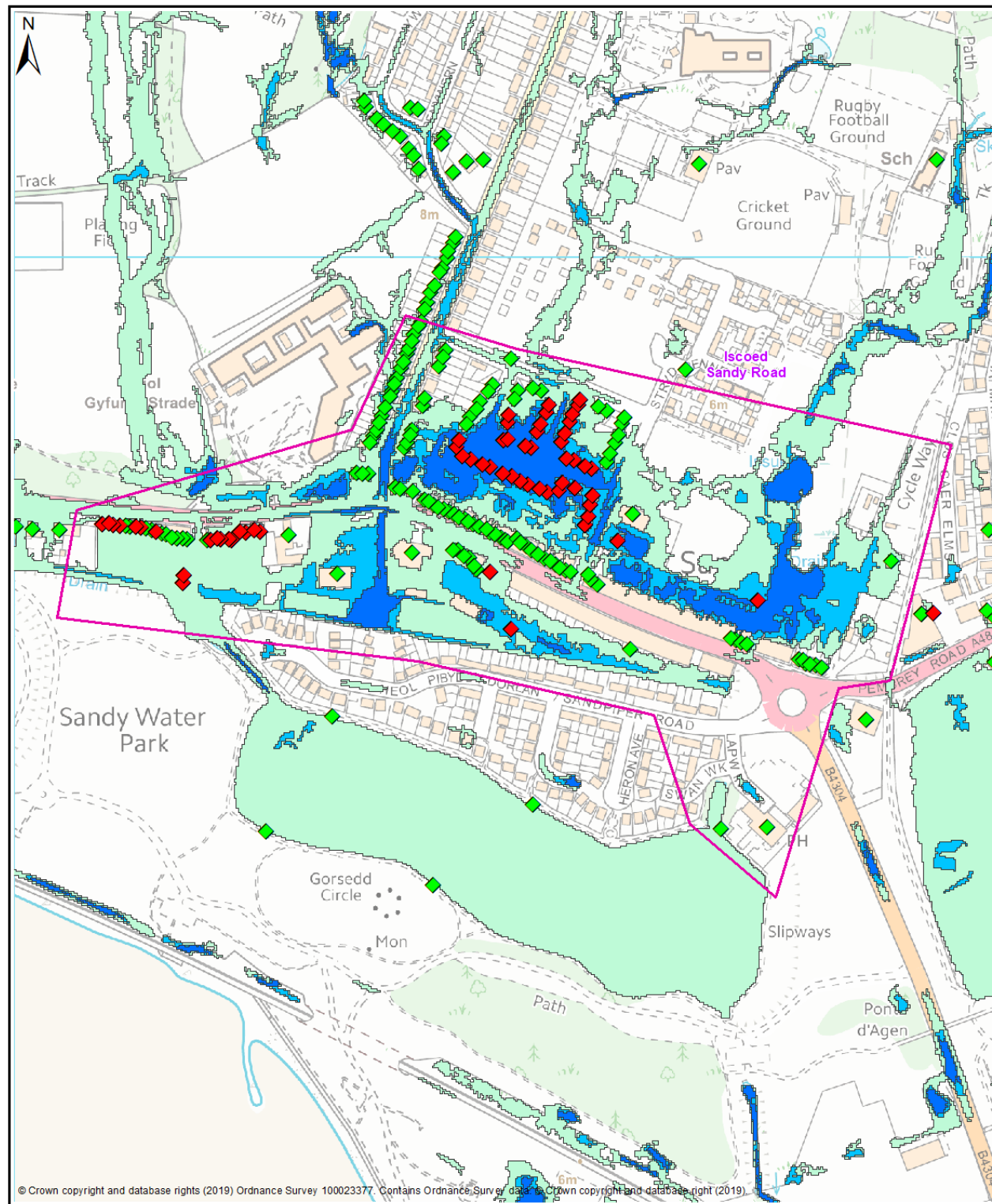
Map 2 - Dwellings and Services

- Legend**
- Policy Unit
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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
  - 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

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