

42 Lleidi Ward, Lakeview Terrace Policy Unit

42.1 Area Description

The Lakeview Terrace Policy Unit is located in a valley bottom below Pentrepoeth Road through to where the watercourse joins with the Cille Stream (Main River).

With a semi urbanised catchment, the area above Lakeview Terrace is a large grassed area that slopes towards Lakeview Terrace and Brickyard Cottages (previously utilised as a municipal tip).

The stream is culverted under the grassed area to where it discharges to the Cille Stream behind the Strady Arms Public House, a distance of approximately 620m.

The culverted section below Lakeview Terrace is in poor condition with many changes in construction.

The main concern is the section of culvert under the Colliers Arms Public House. Flooding in the cellar has been reported but attempts to jet through or camera this section have failed.

42.2 Why is this area a Flood Risk Policy Unit?

The uFMfSW (EA, 2013) highlight this area to be at risk of flooding.

As well as being at risk of flooding from the ordinary watercourse and grassed area it is also at risk from the Cille Stream (Main River).

CaRR maps indicate 2 properties at risk of pluvial flooding and this corresponds with the observed flood history.

42.3 Flooding Events

- CCC have recorded flooding incidents at Brickyard Cottages
- Reports of flooding of the cellar of the Colliers Arms at Luton Terrace

42.4 Flood Defence Capital Works undertaken by CCC

Construction of a flood defence bund at the top of the grassed area. This appears to have been effective at reducing flows at Lakeview Terrace/ Brickyard Cottages and no flooding has been recorded since this was constructed in March 2016 despite heavy rainfall events in the area.

42.5 Flood Defence Capital Works undertaken by Partner Organisations

At the time of writing DCWW are in the process of constructing the Station Road surface water sewer.

42.6 Flood Defence Assets

- Pentrepoeth Bund
- Pentrepoeth Culvert

42.7 Routine Works and Maintenance

Area	Works Undertaken	When
Pentrepoeth Inlet	T98 Inspections	Annually
Pentrepoeth Bund	T98 Inspections	Annually
Pentrepoeth Bund	Grass Cutting	Annually

42.8 Proposed Future Works

Improvements to culvert inlet works.

Investigate culvert replacement options.

42.9 Flood Risk

42.9.1 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.

42.9.2 Map 2: Dwellings and Services

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

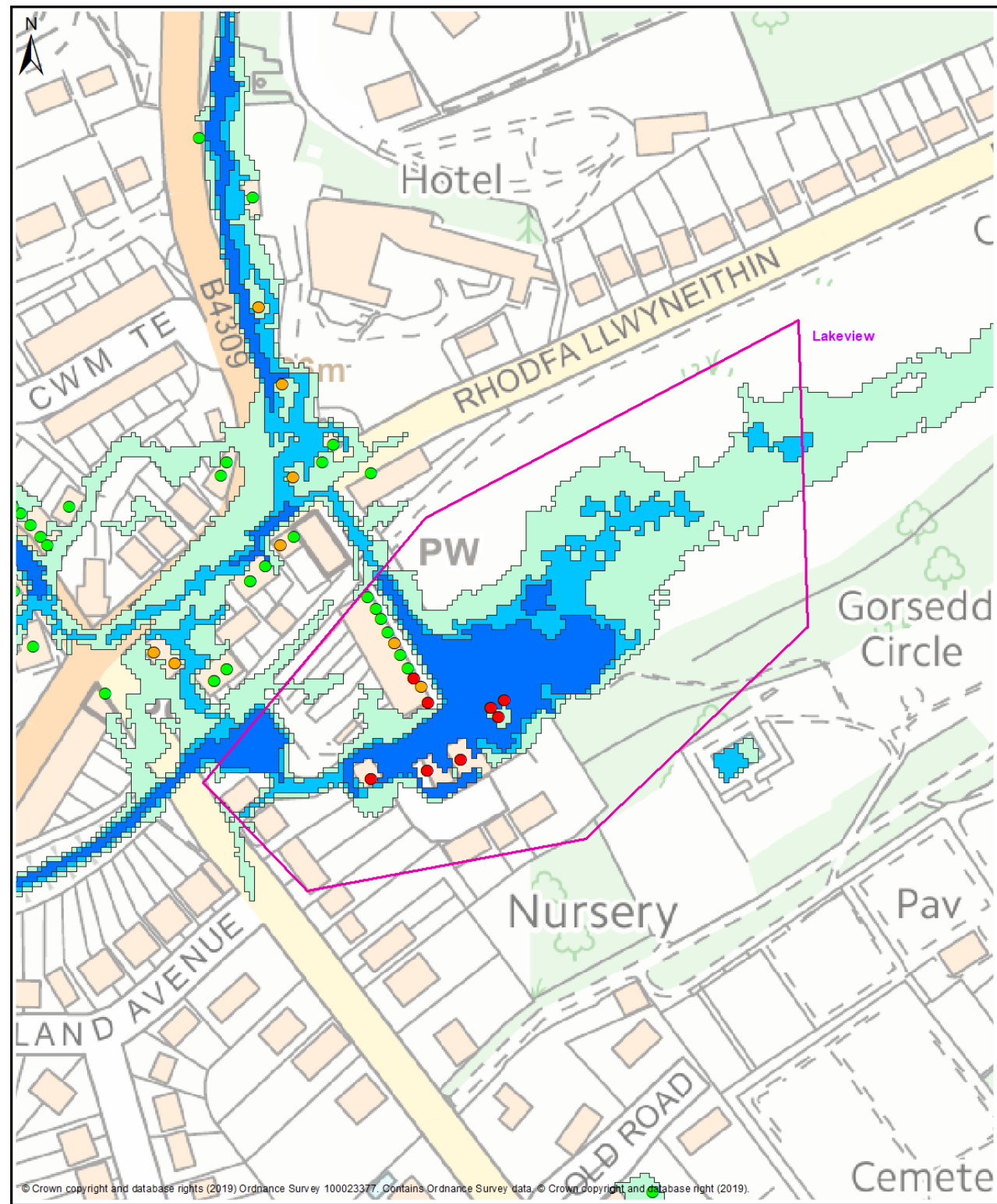
42.9.3 Map 3: Community at Risk Register (CaRR)

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	8	10	16
Map 2 Dwellings and Services	7	9	15
Map 3 CaRR	n/a	2 Pluvial 16 Fluvial	n/a

42.10 Environmental Considerations

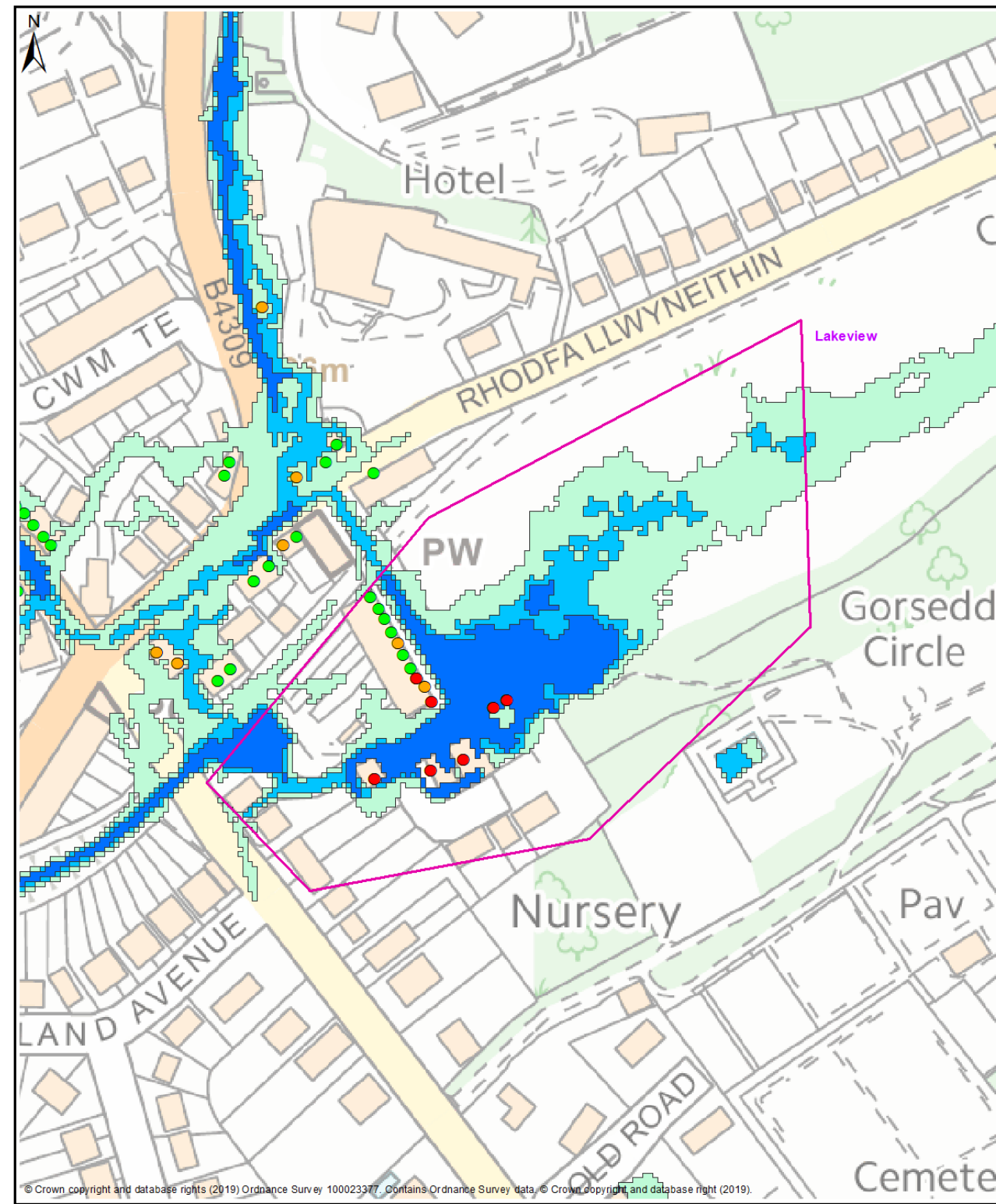
Grassed area in front of Lakeview Terrace has been used as a landfill tip in the past.



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

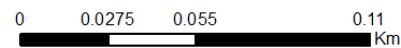


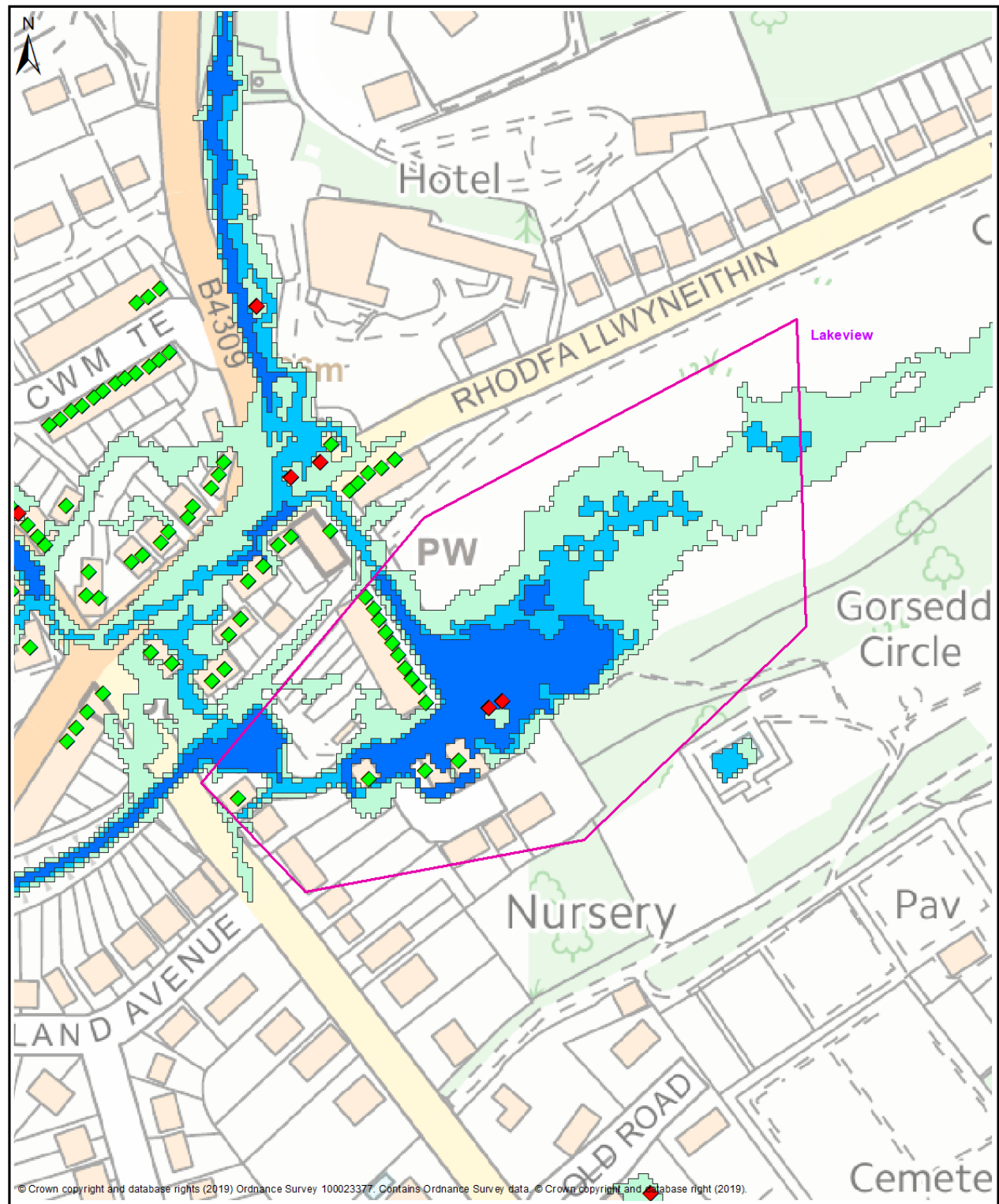
Map 2 - Dwellings and Services

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

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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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