

15 Dafen Ward, Bryngwyn Road Policy Unit

15.1 Area Description

The Bryngwyn Road Policy Unit comprises the area of Bryngwyn Road adjacent to the entrance of Dafen Park. The Main River Dafen runs adjacent to this site and an unnamed watercourse runs from the recreation ground to the north.

15.2 Why is this area a Flood Risk Policy Unit?

The uMfSW (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.

15.3 Flooding Events

On 9th November 2008, severe flooding of 17 properties occurred when water flowed from the park area to the north. The exact mechanism of the flooding was not identified as there were no eye witnesses as to the route of the water but is likely that it came from the small watercourse near Prince Phillip Hospital. This happened at the same time as the severe flooding in a neighbouring street, Exchange Row, but both incidents are unconnected apart from the rainfall intensity.

15.4 Flood Defence Capital Works undertaken by CCC

2010 Construction of Flood Defence Bund at rear of properties at Bryngwyn Road.

15.5 Flood Defence Assets

Dafen park flood bund.

15.6 Routine works and Maintenance

Area	Works Undertaken	When
Dafen Park Flood Bank	Formal T98 Inspection	Annually
Cricket and Football Clubs	Grass cutting	Routinely

15.7 Proposed Future Works

Continue to maintain the flood bund around the park.

15.8 Flood Risk

15.8.1 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.

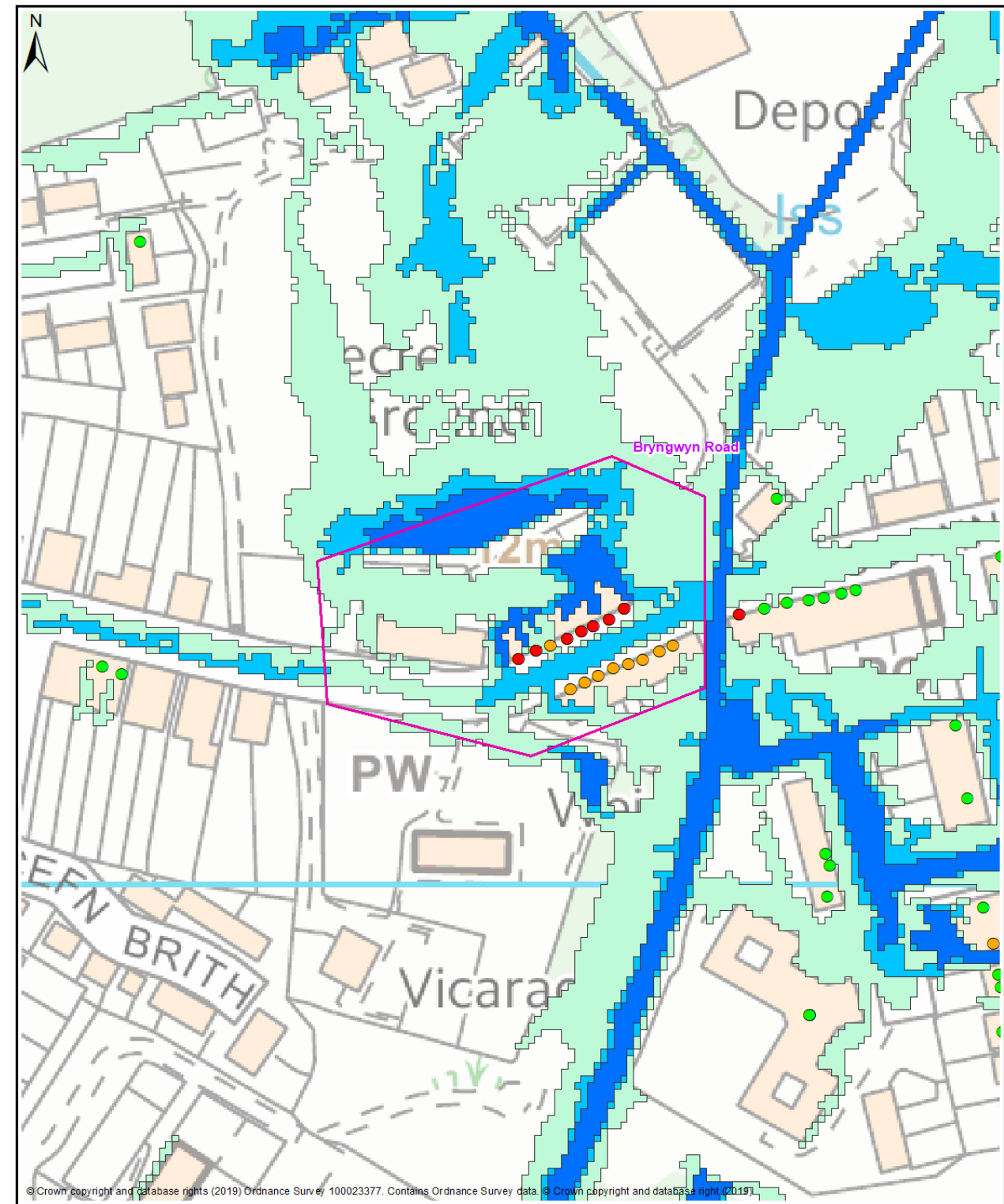
15.8.2 Map 2: Dwellings and Services

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

15.8.3 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	8	17	19
Map 2 Dwellings and Services	7	16	16
Map 3 CaRR	n/a	1	n/a

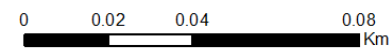


Map 1 - All Properties

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 Pluvial

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