

24 Glanymor Ward, Morfa Policy Unit

24.1 Area Description

The Morfa Policy Unit is a low lying highly developed, residential area in South Llanelli. The area is drained by the DCWW sewerage network and a branch of the Main River Dafen that is culverted through its southern area and discharges into Delta Lakes to the west.

24.2 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 Communities at Risk Register indicates that only 3 properties are at risk of pluvial flooding whereas 1167 are indicated to be at risk of tidal flooding. uFMfSW and property point information indicate significant numbers of properties at risk of flooding in higher return periods. These figures are sensitive to the drainage rate used in the modelling and it is likely that the actual figures are lower. The main flood risk to this area will continue to be tidal flooding.

24.3 Flooding Events

DCWW have recorded flooding incidents at Dolau Fawr and Haverlock Street. These appear to be isolated incidents and do not appear to part of a regular flooding problem.

24.4 Flood Defence Capital Works undertaken by CCC

None

24.5 Flood Defence Capital Works undertaken by Partner Organisations

DCWW are constructing the Station Road Surface Water Sewer. This will cater for surface water from this area and north of the Railway.

This is being constructed to enable DCWW to reroute surface water from its combined sewer network and will provide additional foul and surface water capacity.

24.6 Flood Defence Assets

None

24.7 Routine Works and Maintenance

None

24.8 Proposed Future Works

None

24.9 Flood Risk

24.9.1 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.

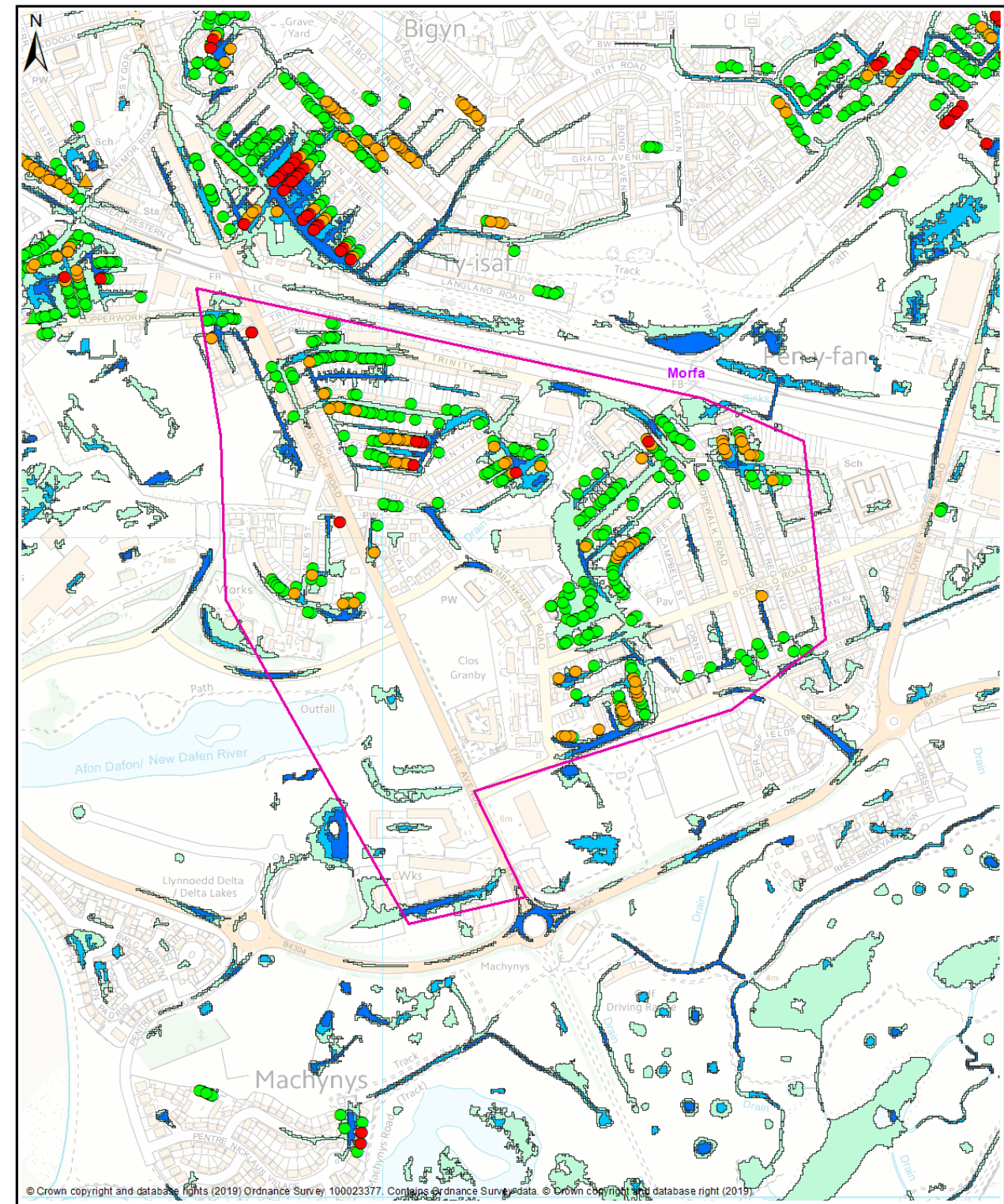
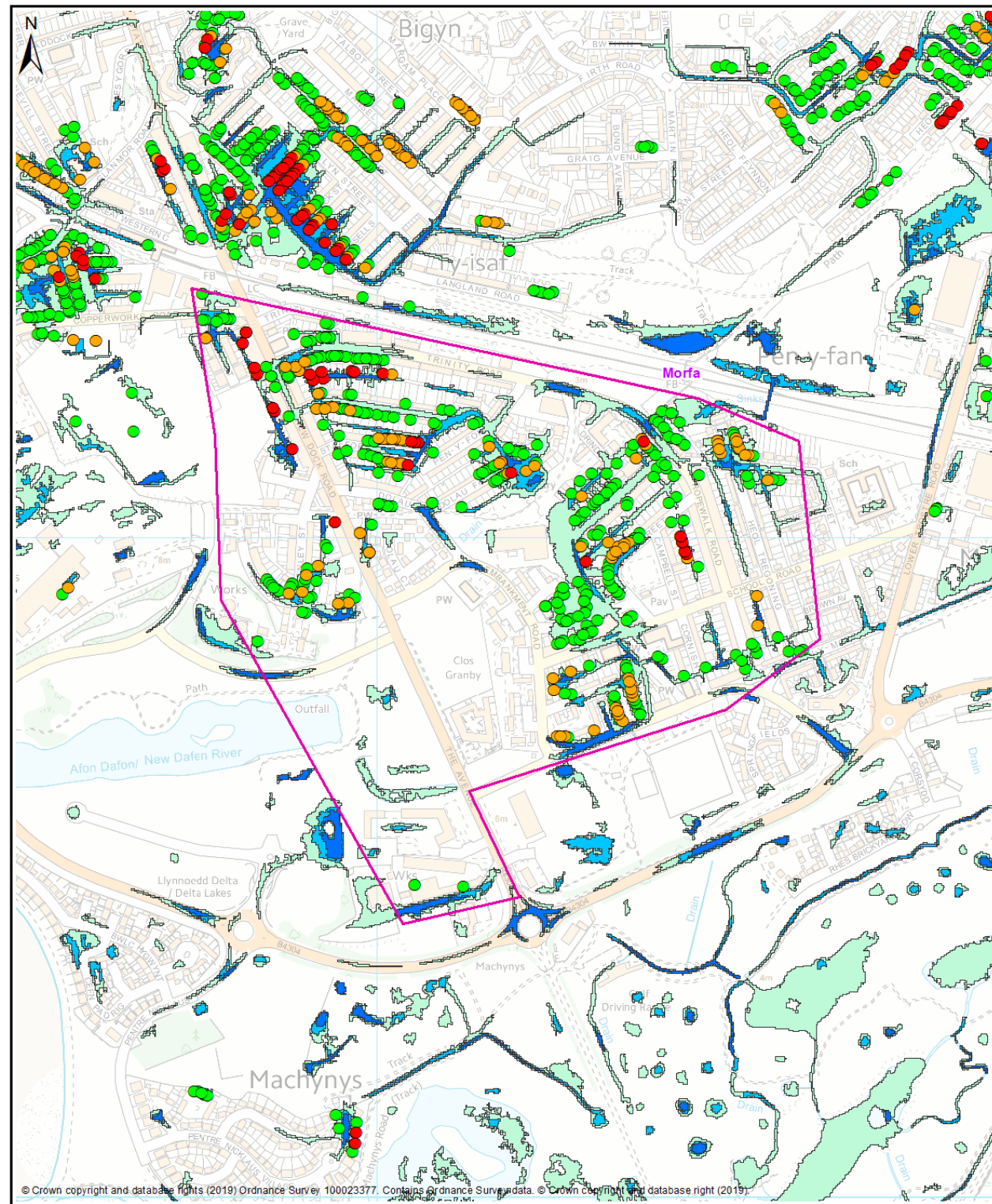
24.9.2 Map 2: Dwellings and Services

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

24.9.3 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.

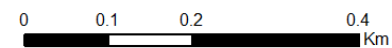
	Number of specified units at risk of flooding		
	1 in 30 probability storm event	1 in 100 probability storm event	1 in 1000 probability storm event
Map 1 Total Properties	34	124	424
Map 2 Dwellings and Services	16	92	348
Map 3 CaRR	n/a	3	n/a



Map 1 - All Properties

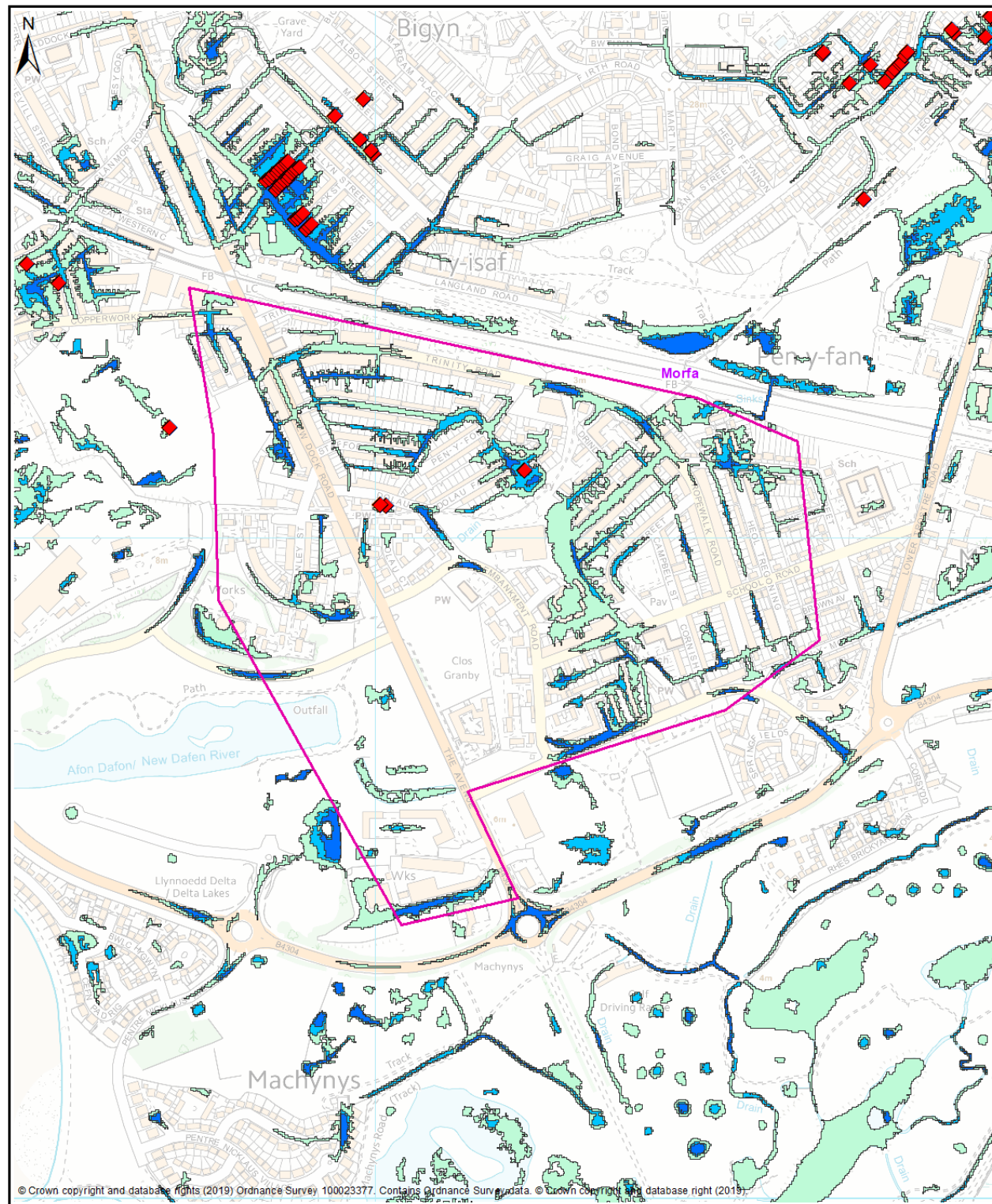
- Legend**
- Policy Unit
 - uFMISW Q30 Surface Water Flood Outline 1 in 30 Probability Storm Event
 - uFMISW Q100 Surface Water Flood Outline 1 in 100 Probability Storm Event
 - uFMISW Q1000 Surface Water Flood Outline 1 in 1000 Probability Storm Event
 - Q30 All Property Classes Flood Depth 150mm or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

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