

17 Dafen Ward, Glyncoed Terrace Policy Unit

17.1 Area Description

The Glyncoed Terrace Policy Unit is located between Llanelli and the A4138 carriageway. While Glyncoed Terrace is located within an urbanised area it is surrounded by open greenfield land and the Afon Dafen Main River. The Afon Dafen originates in the hills above Llanelli on agricultural fields and areas of forestry just south of Llannon. The Afon Dafen, as it passes Glyncoed Terrace, has large concrete flood defence walls running parallel to contain the river whilst in flood.

17.2 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.

Glyncoed Terrace lies within a low spot and is below the level of the adjacent river bank. The NRW concrete flood defence walls prevent fluvial flooding and overtopping but during times of flood, the surface water system cannot discharge into the river because the non-return valves are sealed.

CCC has investigated potential solutions in the past but the only feasible option would be to install a pump and remove the flood water into the main river. This option would likely meet resistance as adding additional water to the river during flood conditions would likely worsen the flooding downstream.

17.3 Flooding Events

- 2010: Details unknown
- 2016: Two dwellings flooded in Glyncoed Terrace

CCC understands that there is a far greater history of flooding from a combination of Main River and surface water at the above location, but we have no records of these events.

17.4 Flood Defence Capital Works undertaken by CCC

None

17.5 Flood Defence Assets

None

17.6 Routine Works and Maintenance

None

17.7 Proposed Future Works

CCC will continue to work with DCWW and NRW with regard to managing the issue.

17.8 Flood Risk

17.8.1 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.

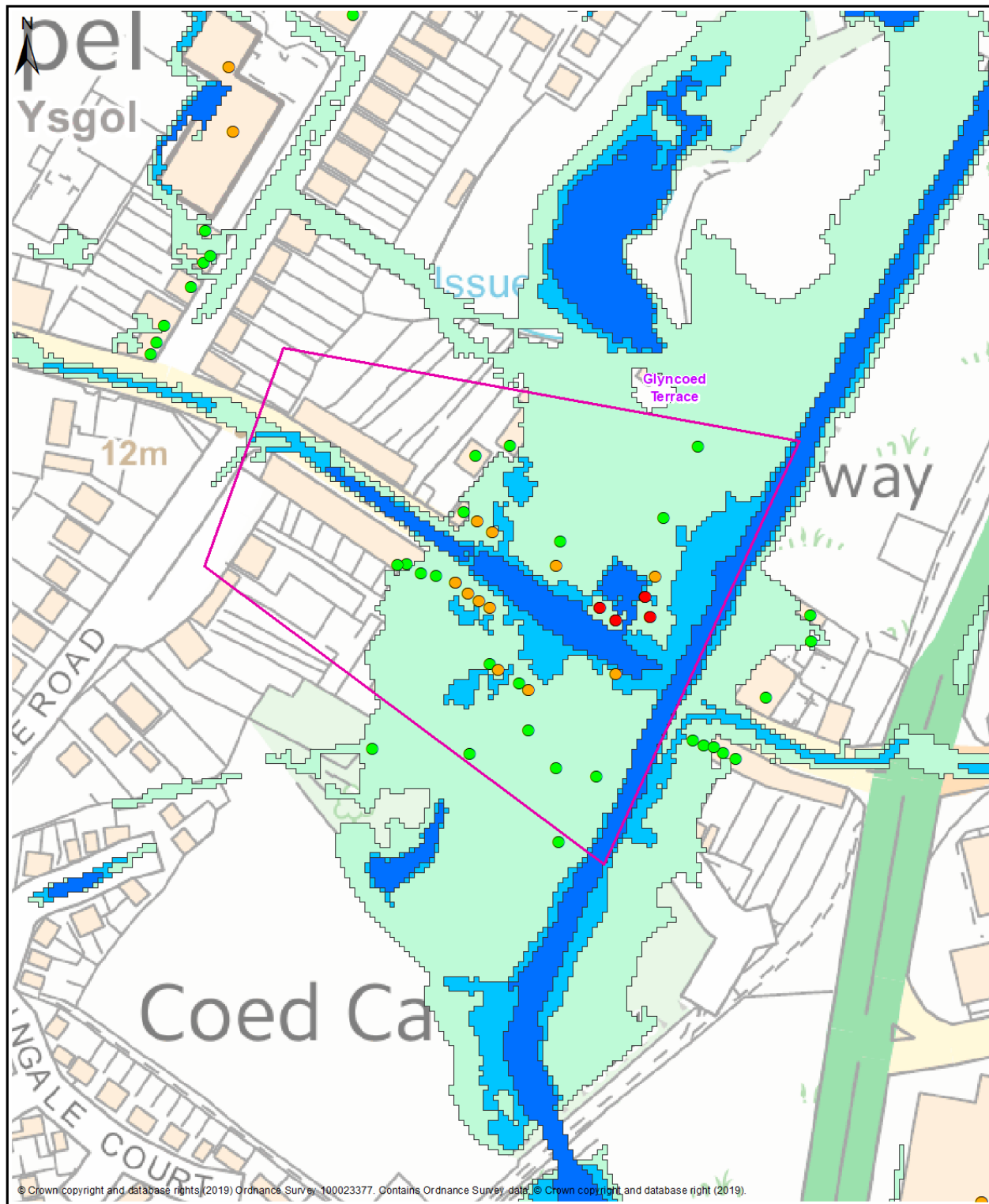
17.8.2 Map 2: Dwellings and Services

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

17.8.3 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.

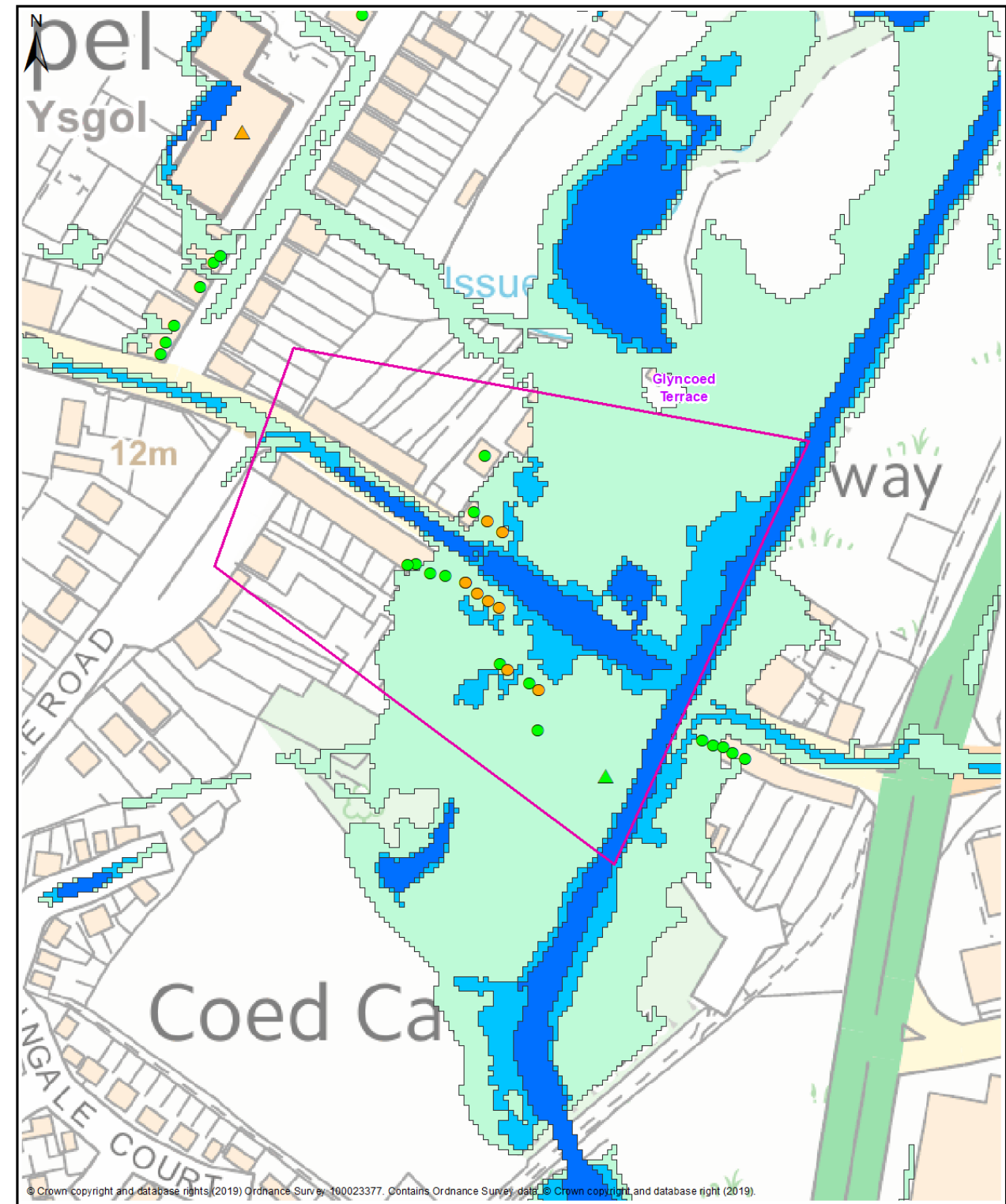
	Number of specified units at risk of flooding		
	1 in 30 probability storm event	1 in 100 probability storm event	1 in 1000 probability storm event
Map 1 Total Properties	4	17	33
Map 2 Dwellings and Services	0	10	20
Map 3 CaRR	n/a	17 Pluvial 19 Fluvial	n/a



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
- 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

Dafen Ward
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