

31 Kidwelly Ward, Ferry Road & New Road Policy Unit

31.1 Area Description

The Ferry Road & New Road Policy Unit comprises the catchment associated with an unnamed ordinary watercourse and agricultural land above Ferry Road and Water Street.

31.2 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.

There have also been a series of flood events in this area.

31.3 Flooding Events

2001: Flooding at Cae Ffynon – No internal flooding recorded but knocked over a wall damaging a caravan. Large amounts of stone washed down watercourse to the trash screen.

Jan 2013: Flooding in New Street as a result of heavy rainfall and snowmelt causing the stream at Cae Ffynon to block with stone upstream of the trash screen.

A feature of the stream is its gradient; the stream falls approximately 80m over a length of 700m giving an average gradient of more than 1 in 10. This results in high energy flows that cause erosion and the transportation of large amounts of stone.

Flooding of Ferry Road and New Street has occurred as a result of direct run off from agricultural land above this area.

2013: Large amounts of soil were washed off the land above Ferry Road. The was transported along Ferry Road and subsequently deposited along Ferry Road, Water Street and New Street as shown in photo to the right.



31.4 Flood Defence Capital Works undertaken by CCC

- 2005: Improvements to the trash screen.
- Surface water drainage system in the Cul de Sac of No's 40-54 Ferry Road.
- 2015: A further extension and improvement to cater for the large amounts of stone at Cae Ffynnon trash screen. This included improved access road for maintenance.
- 2016: Improvements to surface water drainage gullies at land between No's 45-49 Ferry Road.

31.5 Flood Defence Assets

Cae Ffynon Trash Screen	Cae-Ffynnon Culvert
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31.6 Routine Works and Maintenance

Area	Works Undertaken	When
Cae Ffynon Trash Screen	Debris Management	Monthly in the summer Weekly in the winter
	T98 Inspection	Annually
Cae Ffynon Culvert	CCTV survey	2019

31.7 Proposed Future Works

None

31.8 Flood Risk

31.8.1 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.

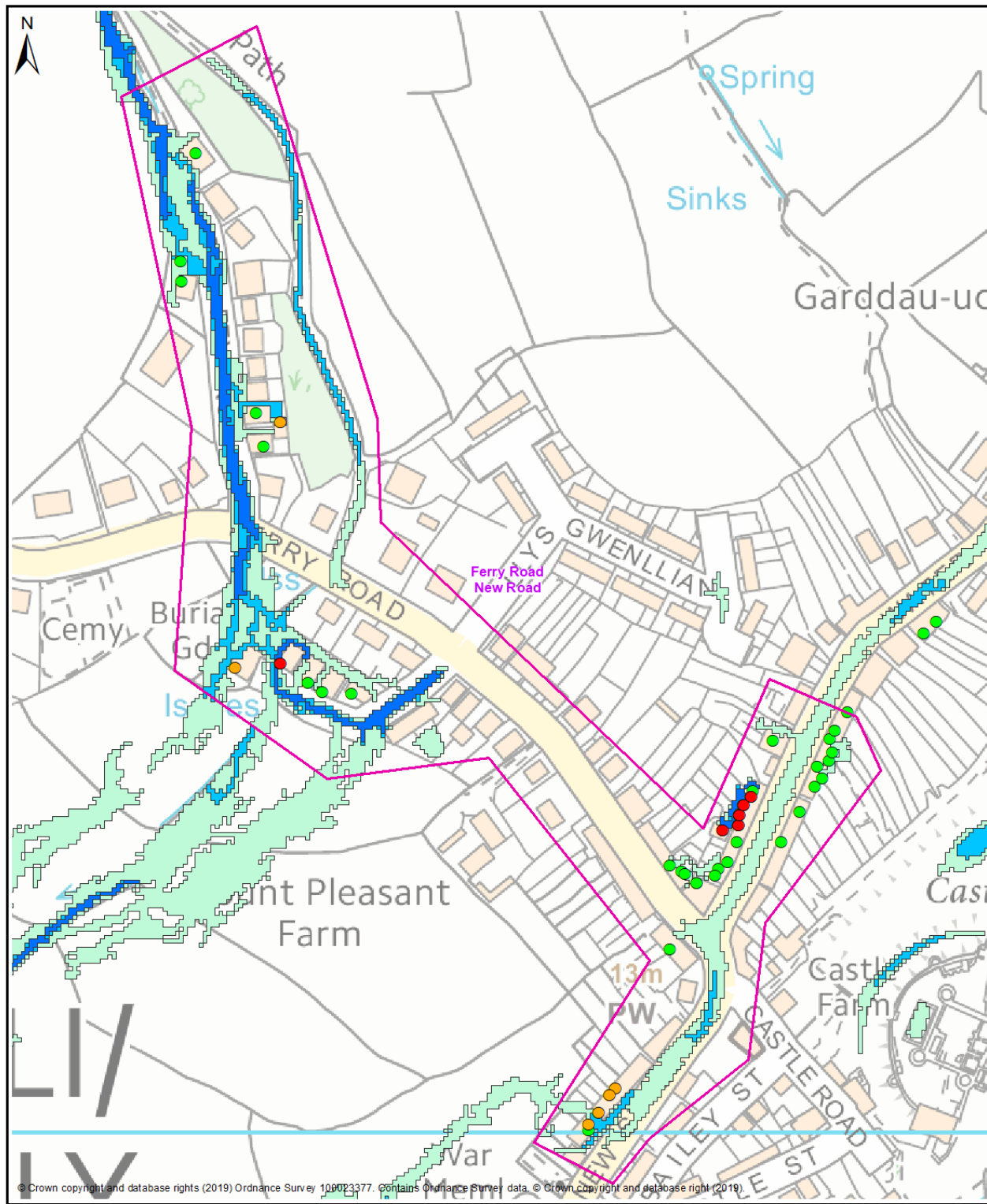
31.8.2 Map 2: Dwellings and Services

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

31.8.3 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.

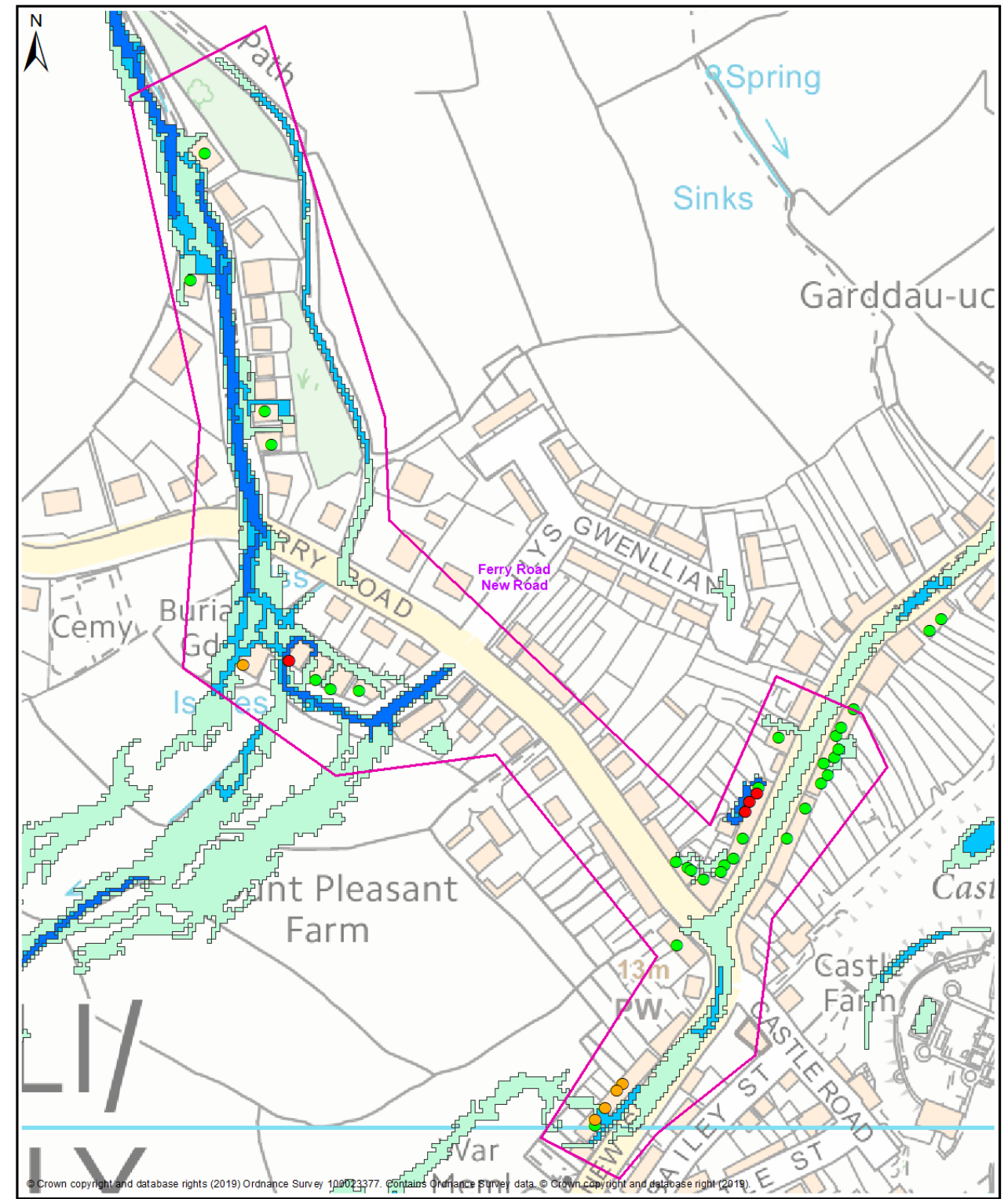
	Number of specified units at risk of flooding		
	1 in 30 probability storm event	1 in 100 probability storm event	1 in 1000 probability storm event
Map 1 Total Properties	6	12	42
Map 2 Dwellings and Services	4	9	37
Map 3 CaRR	n/a	0	n/a



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



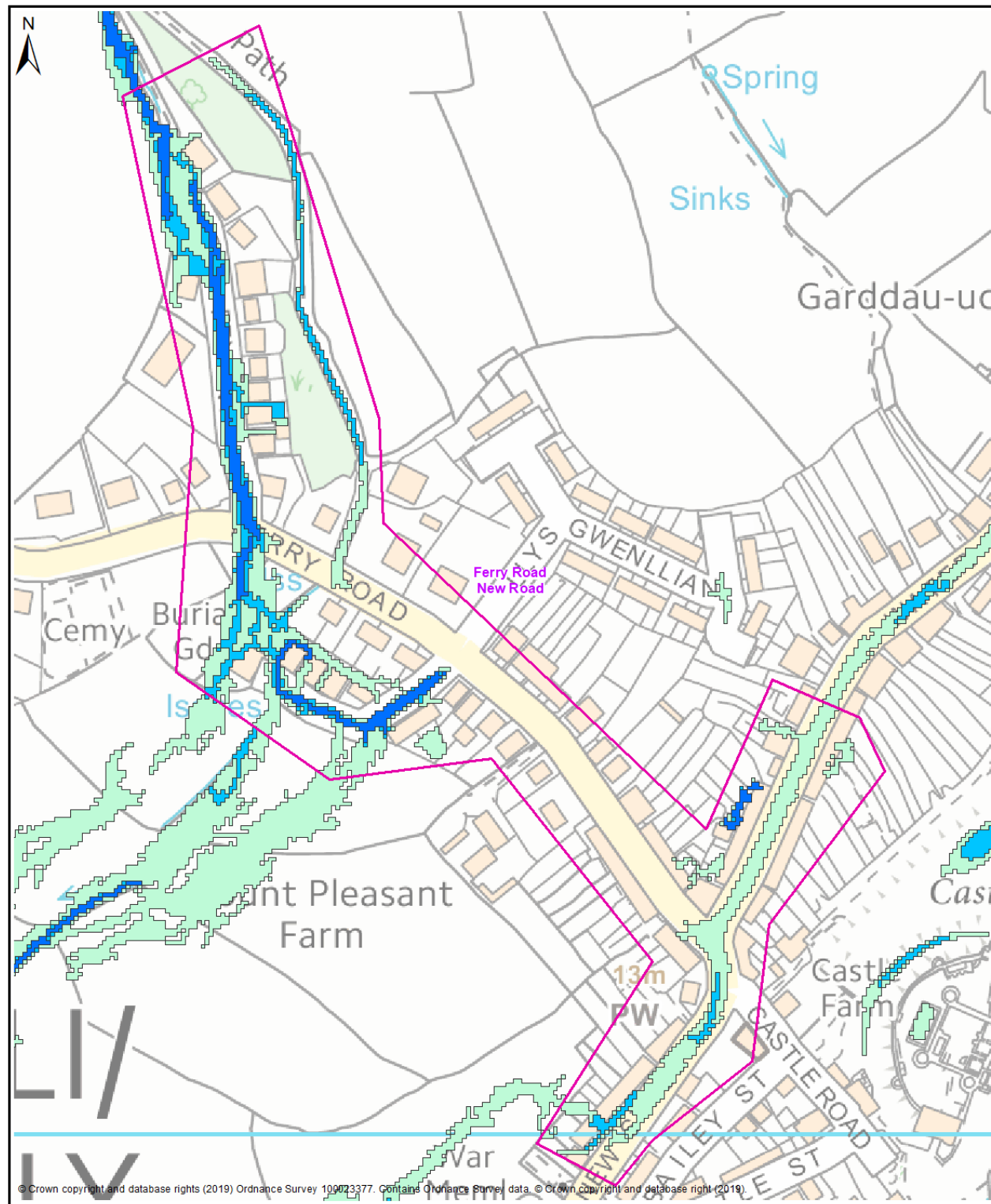
Map 2 - Dwellings and Services

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

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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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