

52 St Ishmaels Ward, Ferryside South Policy Unit

52.1 Area Description

The Ferryside South Policy Unit comprises the area of Ferryside, south of the Railway Station.

This community is adjacent to the Tywi estuary and is protected from the tidal by the railway embankment. There is high ground to the east and surface water from this area has to flow through this area and under the railway embankment to the estuary. This area is very low lying with significant areas below sea level during spring tides with a storm surge.

There is a small watercourse at the south of the area coming from Broadlay (Holcwm Way). In storm conditions this can overflow causing flooding.

52.2 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. These indicate significant properties at risk of flooding. This is exacerbated by its low-lying nature and the railway embankment preventing surface water from flowing away. The railway embankment does provide critical defence against tidal flooding.

52.3 Flooding Events

There have been several instances of flooding particularly in the area in front of the “1904 Houses”, although no internal flooding has been recorded. This has been from water flowing down Holcwm Way and has either overflowed from the culvert or has not entered the stream or culvert and flows down the road carrying large amounts of mud and debris.

In the past, flooding of this area was commonplace due to waves pushing large volumes of water through ‘the Arch’ byway access to the beach.

52.4 Flood Defence Capital Works undertaken by CCC

- 2011: Construction of steps and improved stop log at ‘the Arch’.
- 2012: Block stone breakwater at seaward side of ‘the Arch’ – disrupts wave and reduces funnelling effect.
- 2013: New Flap Valve Chamber constructed opposite 1904 Houses.

52.5 Flood Defence Capital Works undertaken by Partner Organisations

None

52.6 Flood Defence Assets

- Stop logs

52.7 Routine Works and Maintenance

Area	Works Undertaken	When
The Arch Stop logs	Formal T98 Inspection	Annually
Chamber opposite 1904 Houses	Formal T98 Inspection	Annually
	Gravel Removal	
Holcwm Way Culvert	CCTV camera survey	2018, 2020
Poachers Rest Outfall	Formal T98 Inspection	Annually
Warwick House Outfall	Formal T98 Inspection	Annually

52.8 Proposed Future Works

Evaluate the merits in improving the outfall to the 1904 houses to prevent ‘back wash’ and blockage.

Undertake CCTV camera survey, any structural or service faults will be actioned on a risk-based basis.

52.9 Flood Risk

52.9.1 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.

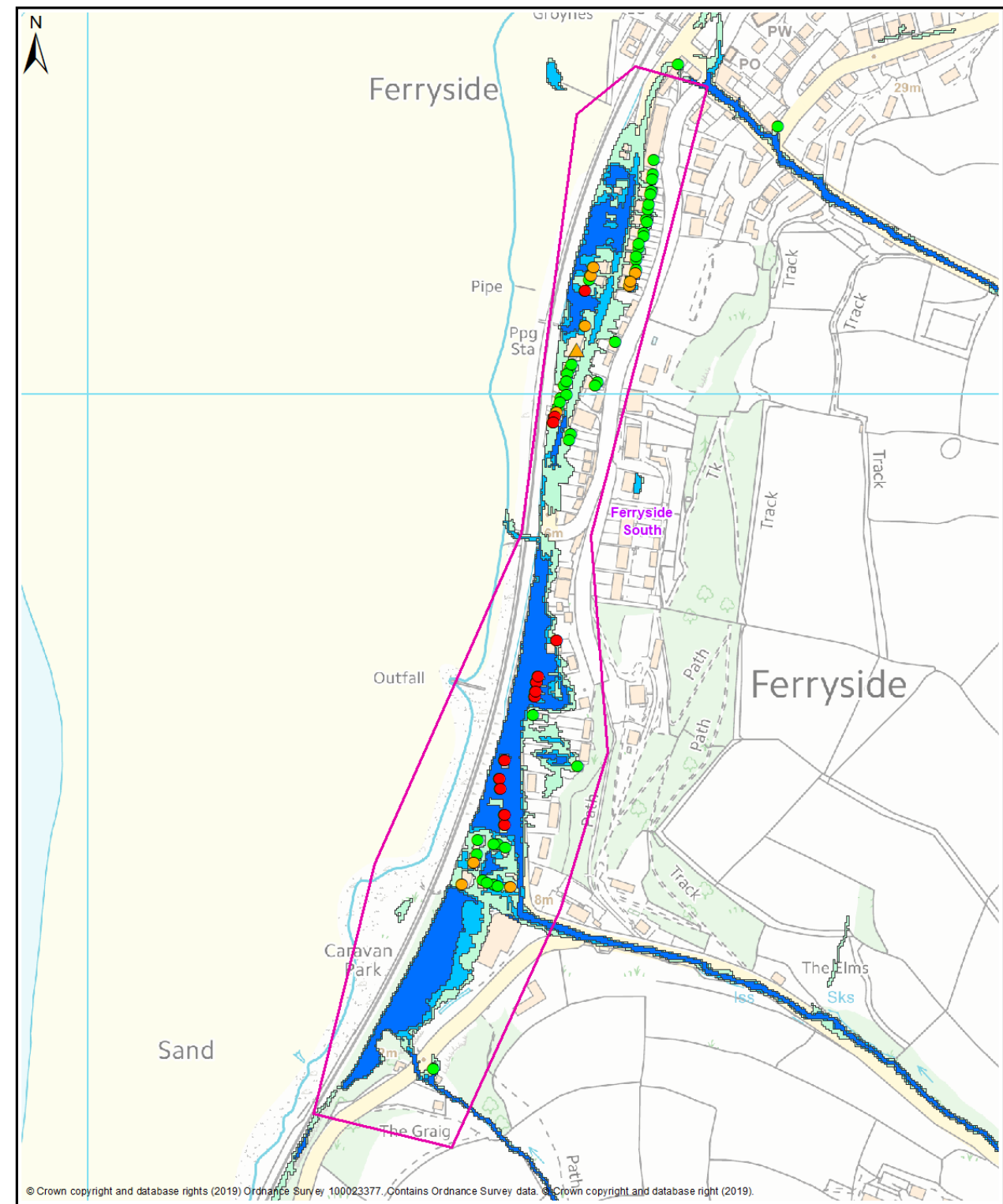
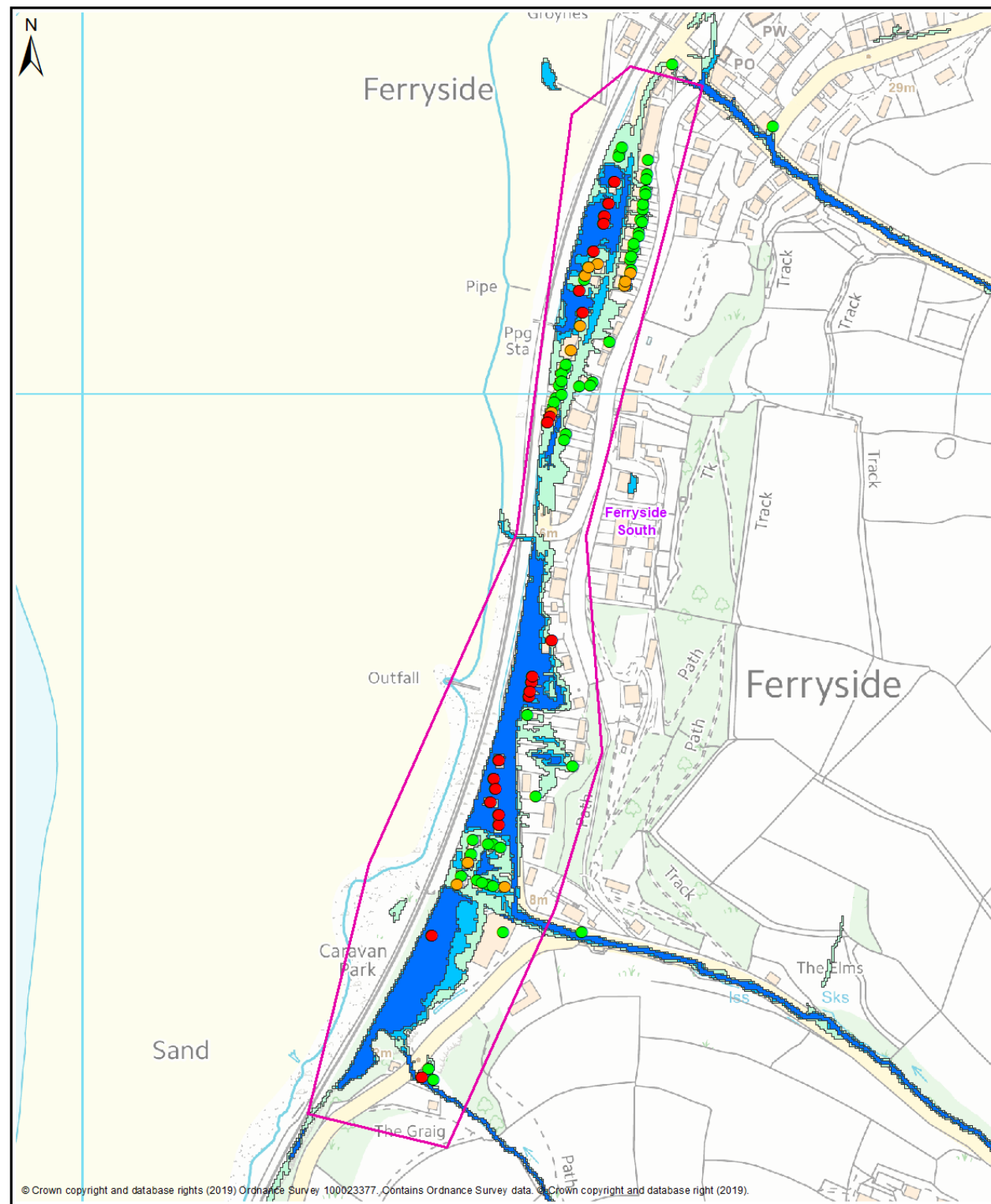
52.9.2 Map 2: Dwellings and Services

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

52.9.3 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	23	35	86
Map 2 Dwellings and Services	14	25	68
Map 3 CaRR	n/a	13	n/a

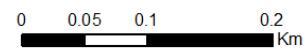


Map 1 - All Properties

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 Fluvial

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