34 Llandovery Ward, Nant Bawddwr Policy Unit

34.1 Area Description
The Nant Bawddwr Policy Unit comprises the catchment of the Nant Bawddwr, south of the railway embankment. This section of the watercourse is an Ordinary Watercourse that flows through the town of Llandovery.

Llandovery is situated in rural Carmarthenshire approximately 50km to the north-east of the county town of Carmarthen. It is a market town which has developed on the flood plains of four rivers - the Tywi, Brân, Gwydderig and Bawddwr. The A40 and A483 trunk roads, as well as the A4069, all cross these rivers at this location.

34.2 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.

A significant part of the fluvial flow comes from the Main River Bawddwr to the north of Llandovery. The flow control structure at this point is in a state of disrepair.

The Nant Bawddwr is culverted though the majority of Llandovery and culverts have a high risk of blockage. Our inspections of the culvert have highlighted poor condition with large build ups of silts, general rubbish and utility apparatus impeding flows.

34.3 Flooding Events
• 1979: Major flooding from the River Bran
• 1987: Major flooding from the River Bran
• 1998: Major flooding from the River Bran
• 2003: Flooding of properties at Broad Street
• 2013: Flooding of properties due to blockage in the culvert

CCC are aware that there have been numerous flooding events attributed to issues on the Nant Bawddwr but have no records of these flooding events.

34.4 Flood Defence Capital Works undertaken by CCC
• 2010: Modifications were undertaken to the bridge at Pont Aur, Cillywm Road
• 2013: Diving sub-contractors entered culvert to remove debris at the A483, Llanfair Road
• 2013: Culvert repairs and debris removal were undertaken at Victoria Crescent and Stone Street

34.5 Flood Defence Capital Works undertaken by Partner Organisations
2003: Llandovery Flood Alleviation Scheme was completed by National River Authority. This included realignment of the river channel upstream of main road bridge, bank protection and the construction of flood embankments and flood walls.

34.6 Flood Defence Assets
- Ulys Llanfair Trash Screen

34.7 Routine Works and Maintenance

<table>
<thead>
<tr>
<th>Area</th>
<th>Works Undertaken</th>
<th>When</th>
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<tbody>
<tr>
<td>Ulys Llanfair trash screen</td>
<td>FB inspection</td>
<td>Annually</td>
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34.8 Proposed Future Works
We will continue to support the South Wales Trunk Road Agency (SWTRA) in their attempts to implement a solution to manage flows through the culvert.

Studies have shown that the diversion of flows above Llandovery can considerably reduce flood risk at Cillycwm Road and in Llandovery from flooding from the Nant Bawddwr.

34.9 Flood Risk

34.9.1 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.

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

34.9.3 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.

<table>
<thead>
<tr>
<th>Number of specified units at risk of flooding</th>
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<tbody>
<tr>
<td>1 in 30 probability storm event</td>
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<tr>
<td>Map 1 Total Properties</td>
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<tr>
<td>Map 2 Dwellings and Services</td>
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<td>Map 3 CaRR</td>
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