

Project Title **Stage 1 Strategic Flood Consequences Assessment Pembroke and Carmarthenshire County Councils**

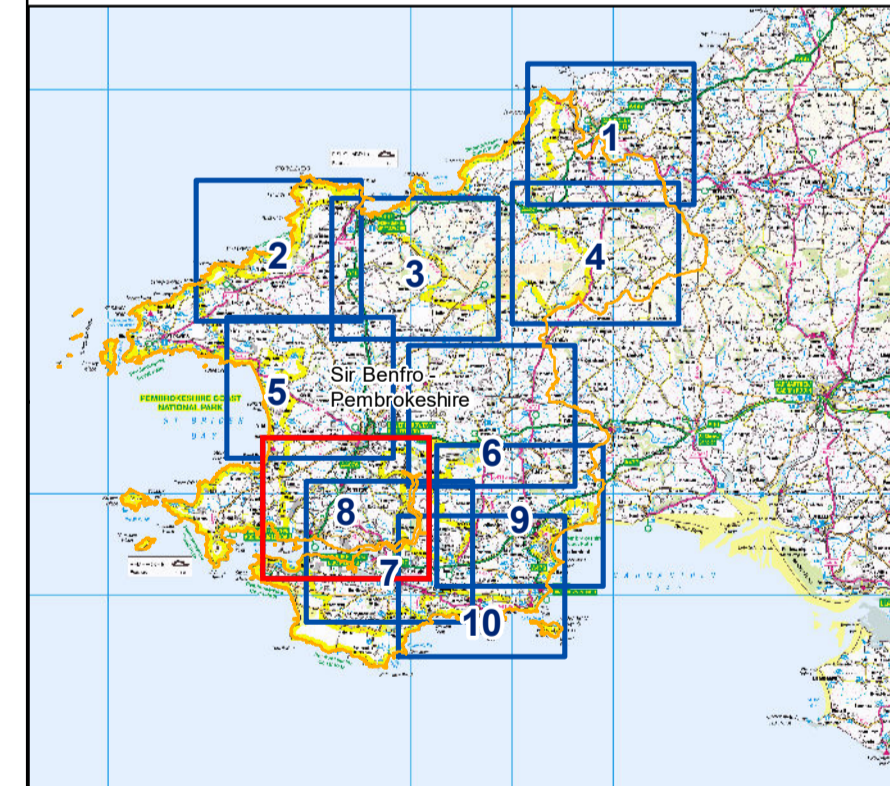
Figure Title **Risk Categorisation Candidate Sites Pembroke and Carmarthenshire County Council (PCC) - Climate Change Allowance**

Sheet No. **8 of 10**

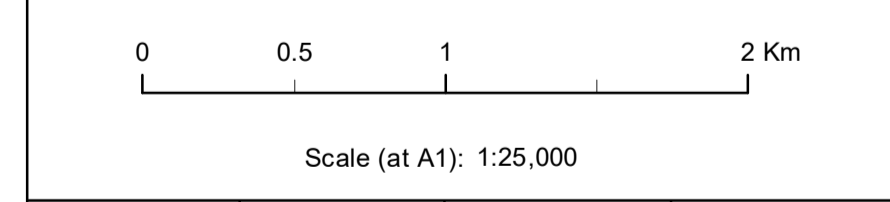
- Legend**
- River Network
  - Flood Defences
  - National Park Boundaries
  - Settlement Boundaries
  - Surface Water Flood - Extent Estimated 1 in 100 Annual Chance Events with Climate Change
  - NRW Flood Map Flood Zone 2
  - SMP2 Flood Extent plus 2m Sea Level Rise
- LDP Candidate Sites 2019**
- High Risk >50% Site Area Flooded
  - Medium High Risk >25% to <50% Site Area Flooded
  - Medium Risk >5% to <25% Site Area Flooded
  - Low Risk <5% Site Area Flooded

- Notes:**
- NRW Flood Zone 2 - Assumed to approximate to 1 in 100 (1%) annual chance event with climate change.
  - The Surface Water Flood Extents are based on NRW's updated Flood Map for Surface Water (uFMSW) For future/ climate change scenario, a broad scale assumption has been made for Stage 1 screening.
    - Current 1 in 1000 (0.1%) annual chance flood outline becomes 1 in 100 (1%) with climate change.
  - Shoreline Management Plan 2 data - Flood extent is current 1 in 1000 (0.1%) tidal event plus 2m Sea Level Rise (SLR). This dataset does not extend north of Nolton Haven on Pembroke's west coast.
  - The maximum 0.5% annual chance or greater extreme tide level plus sea level rise is 6.9m. A coarse 7m contour (not shown) has also been used to screen tide risk for coastal sites - see Stage 1 SFCA Report.

Risk Category	Criteria Description (at least one of the following criteria is met)	Category Overview
High	<ul style="list-style-type: none"> <li>Greater than 50% of the site's plan area is:               <ul style="list-style-type: none"> <li>Within Flood Zone 2 (Note 1)</li> <li>Within Surface Water Flood Extent (Note 2)</li> <li>Within SMP2 - Flood extent with 2m SLR (Note 3)</li> <li>Below 7m contour at the coast (Note 4)</li> </ul> </li> <li>Known history of flooding on the site</li> </ul>	<ul style="list-style-type: none"> <li>The percentage of the site area flooded gives a screening level indication of how much of the site for importance of flooding criteria (TANIS 5.1.1.14)</li> <li>Further analytical work will be needed to understand the flood risk at the site.</li> <li>The underlying evidence base may need updating</li> </ul>
Medium High	<ul style="list-style-type: none"> <li>Greater than 25% up to 50% of the site's plan area is:               <ul style="list-style-type: none"> <li>Within Flood Zone 2 (Note 1)</li> <li>Within Surface Water Flood Extent (Note 2)</li> <li>Within SMP2 - Flood extent with 2m SLR (Note 3)</li> <li>Below 7m contour at the coast (Note 4)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>The underlying evidence base may need updating</li> </ul>
Medium	<ul style="list-style-type: none"> <li>Up to 25% of the site's plan area is:               <ul style="list-style-type: none"> <li>Within Flood Zone 2 (Note 1)</li> <li>Within Surface Water Flood Extent (Note 2)</li> <li>Within SMP2 - Flood extent with 2m SLR (Note 3)</li> <li>Below 7m contour at the coast (Note 4)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Based on criteria description, flood risk in the area is likely to be adequately managed</li> <li>Development likely to proceed subject to agreement for the SuDS Approval Body</li> <li>Flood Risk to the site access routes and compliance with TANIS will need to be confirmed</li> </ul>
Low	<ul style="list-style-type: none"> <li>Less than 5% of the site's plan area is within:               <ul style="list-style-type: none"> <li>Flood Zone 2 (Note 1)</li> <li>Surface Water Flood Extent (Note 2)</li> <li>SMP2 - Flood Extent with 2m SLR (Note 3)</li> <li>The area below the 7m contour at the coast (Note 4)</li> </ul> </li> <li>No history of flooding in the site</li> </ul>	<ul style="list-style-type: none"> <li>Flood Risk to the site access routes and compliance with TANIS will need to be confirmed</li> </ul>



Data sources: Ordnance Survey, NRW, Carmarthenshire County Council, Pembroke and Carmarthenshire County Council



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