



Bushy Lease

Flood Risk Assessment

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	Version	Name	Date
Author			
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1 Introduction

- 1.1 Havant Borough Council (HBC) propose to undertake works to create a sustainable access route for use by pedestrians, cyclists and mobility vehicles between Havant and Waterloooville avoiding alternative busy roads or indirect routes
- 1.2 The proposal supports the Prosperity Havant agenda by providing a more direct walking and cycle route between the two main centres of the Borough whilst at the same time improving access to the new Dunsbury Hill Business Park and the wider countryside.
- 1.3 The proposed route runs almost parallel to the Hermitage Stream which lies within Flood zones 2 and 3 according to the Flood map for planning. This Flood Risk Assessment (FRA) sets out the specific flood risks to the proposal.
- 1.4 The works are to upgrade and widen to 3m the existing Footpath 508 from Park House Farm Way. The section of Footpath 508 to be upgraded is approximately 500m long in a north-westerly direction from Park House Farm Way at which point the route turns west and crosses the Hermitage Stream via a footbridge before terminating at Fitzwygram Way.
- 1.5 All maps and figures used in this Flood Risk Assessment are taken from Partnership for South Hampshire Strategic Flood Risk Assessment (PFSH SFRA), Flood map for planning and the DEFRA website.

2 Flood Risk

2.1 There are five sources of flood risk identified in the Partnership for South Hampshire Strategic Flood Risk Assessment (SFRA) 2024. These are:

- i) Flooding from the sea
- ii) River flooding
- iii) Groundwater flooding
- iv) Surface water and sewer flooding
- v) Reservoirs flooding

2.2 Each source of flood risk at Bushy Lease is discussed below

2.3 Flooding from the sea

A search on the DEFRA website using a postcode within the location of the works returned no results. There is therefore no risk of flooding from the sea.

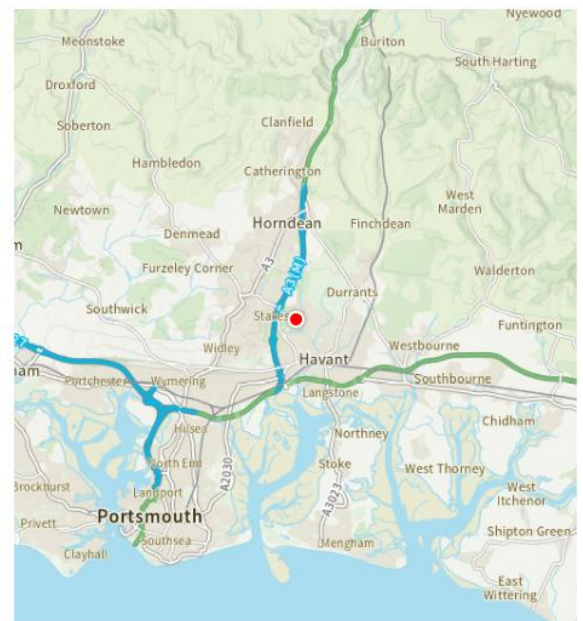
No results for "PO9 4DX"

There are no units within 2km of PO9 4DX.

Try again with a location closer to the coastline

e.g. Portsmouth or PO1 1AA

Search

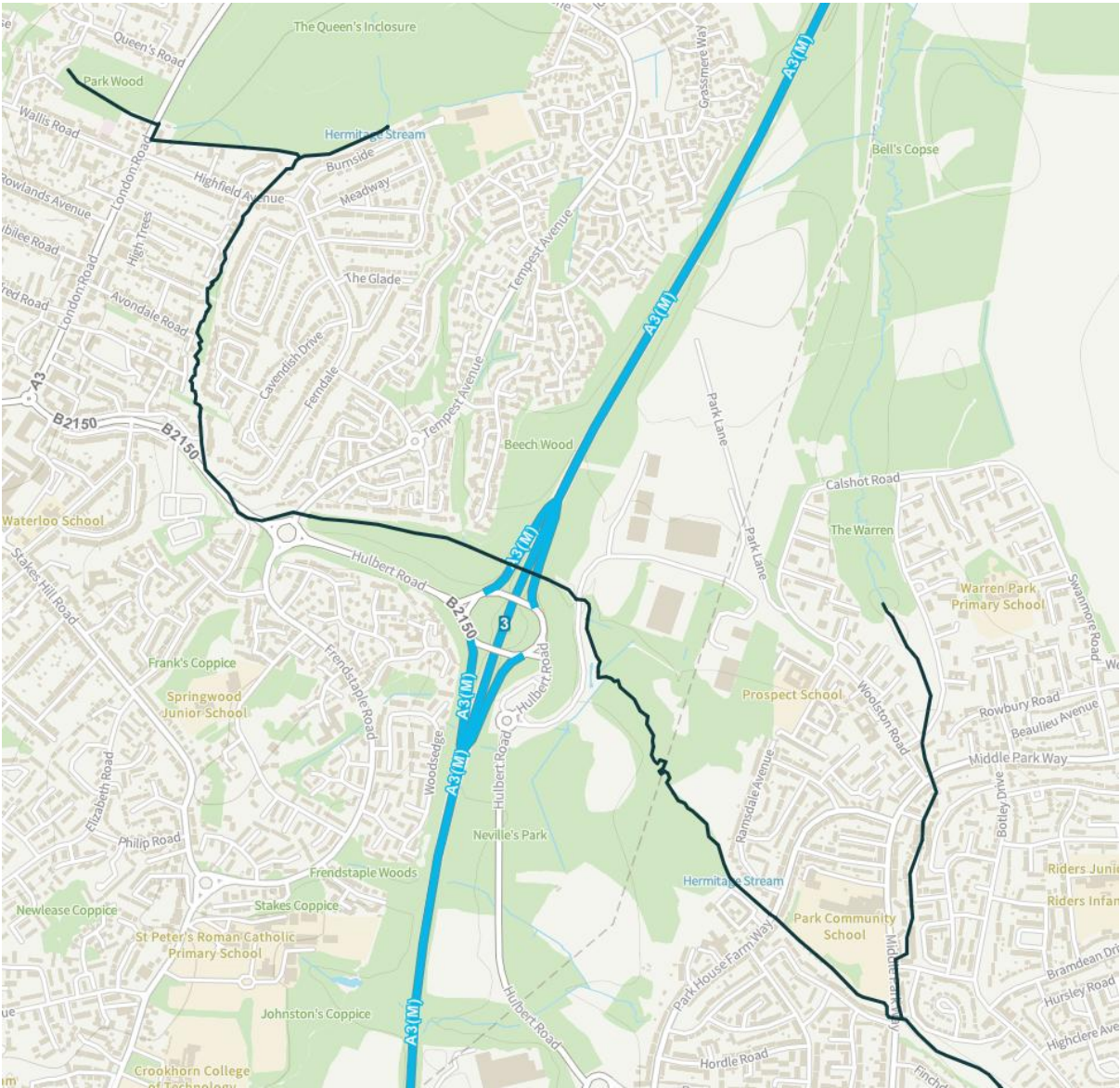


2.4 River flooding

River flooding or fluvial flooding is the risk of flooding from main rivers, managed by the Environment Agency, and ordinary watercourses, managed by the Lead Local Flood Authority (LLFA). Hermitage Stream is designated as a main river by the Environment Agency.

The Hermitage Stream is in flood zones 2 and 3 and runs almost parallel to the existing Footpath 508, part of which is being upgraded to as part of the proposal to create an active travel route between Park House Farm Way and Fitzwygram Way

Hermitage Stream

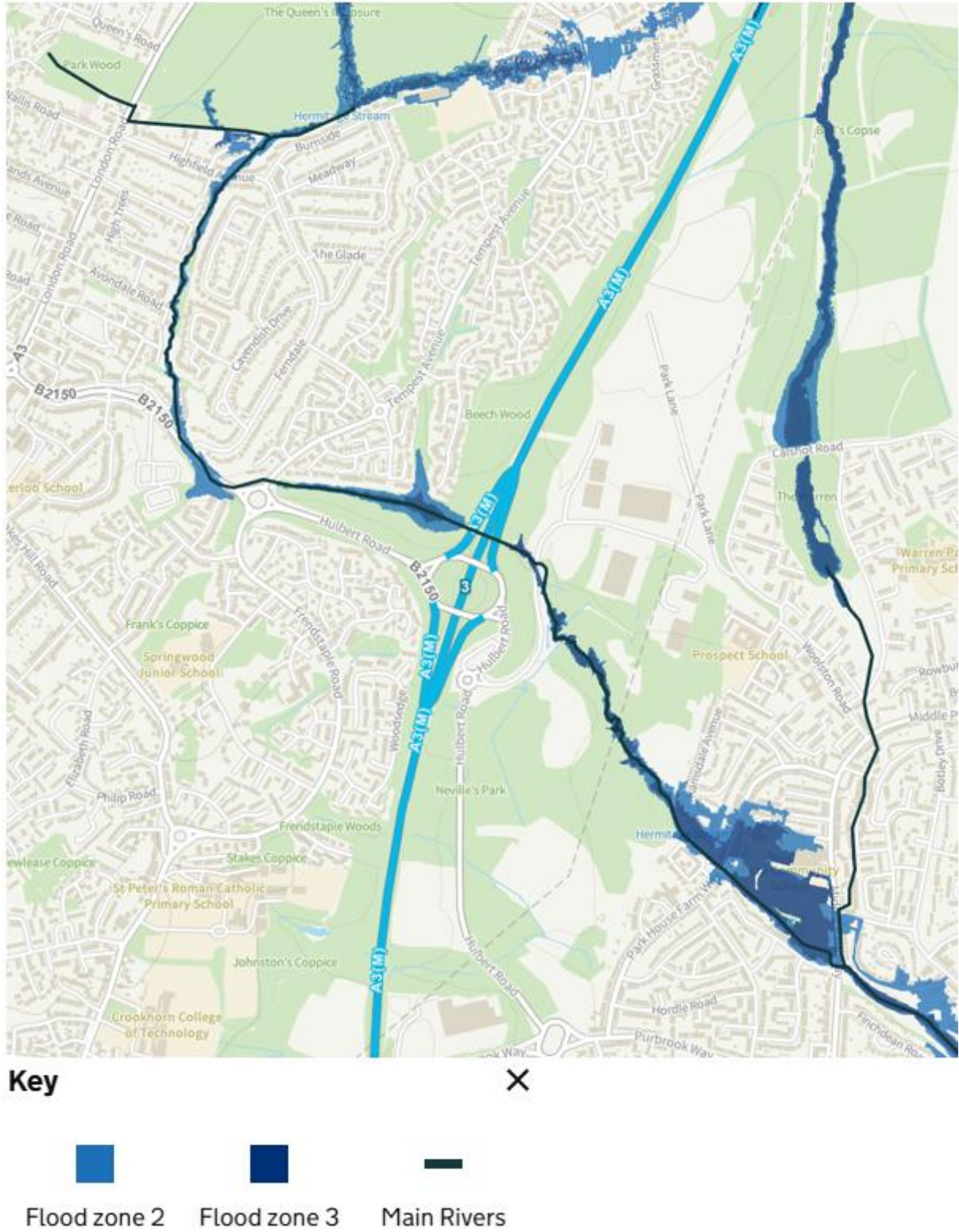


Key

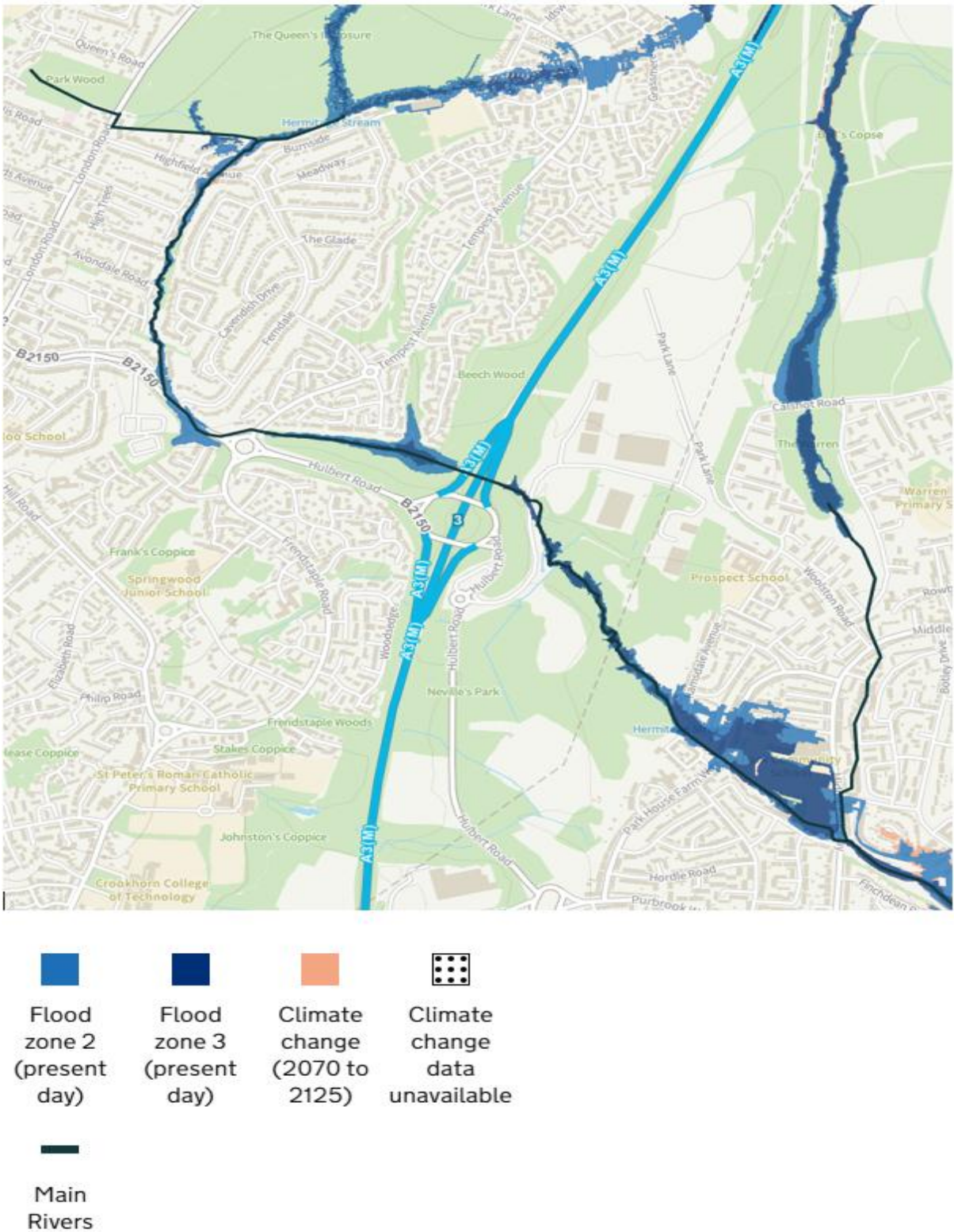


Main Rivers

The map below shows that Footpath 508 lies within flood zones 2 and 3. The works are to improve the surface of the existing footpath.

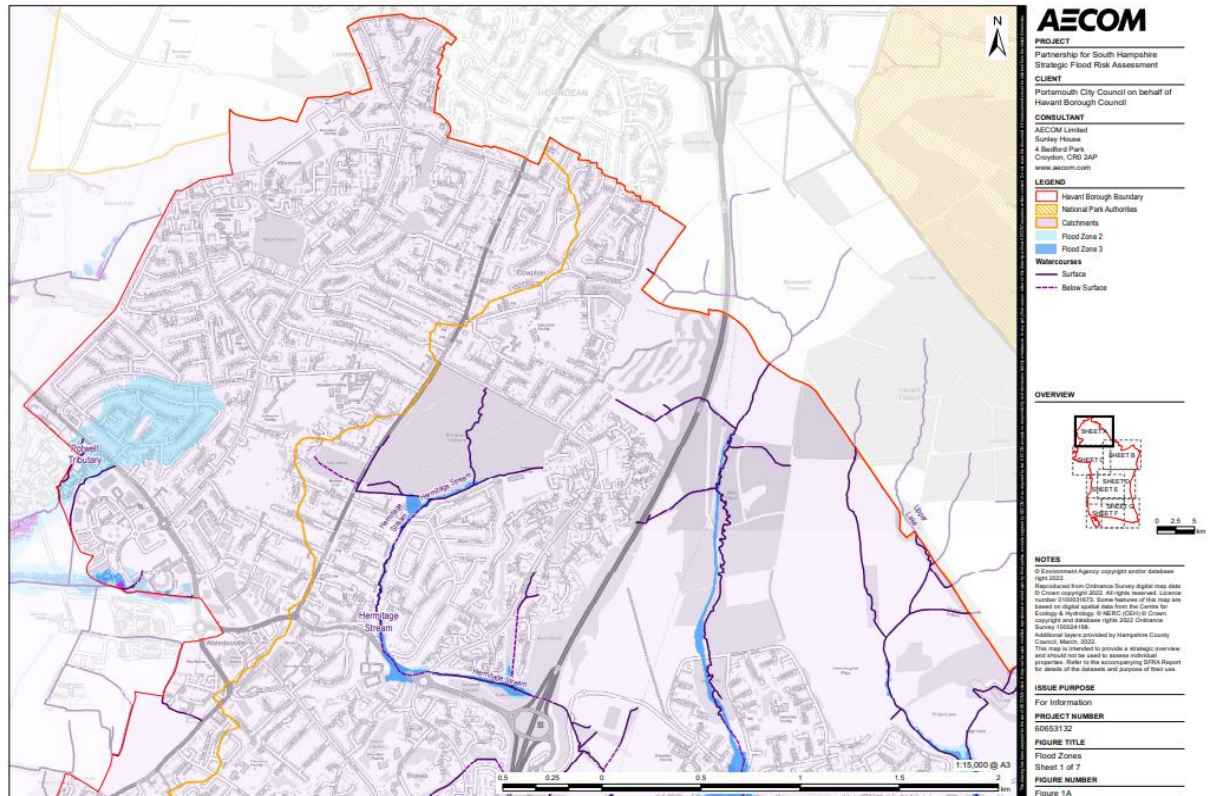
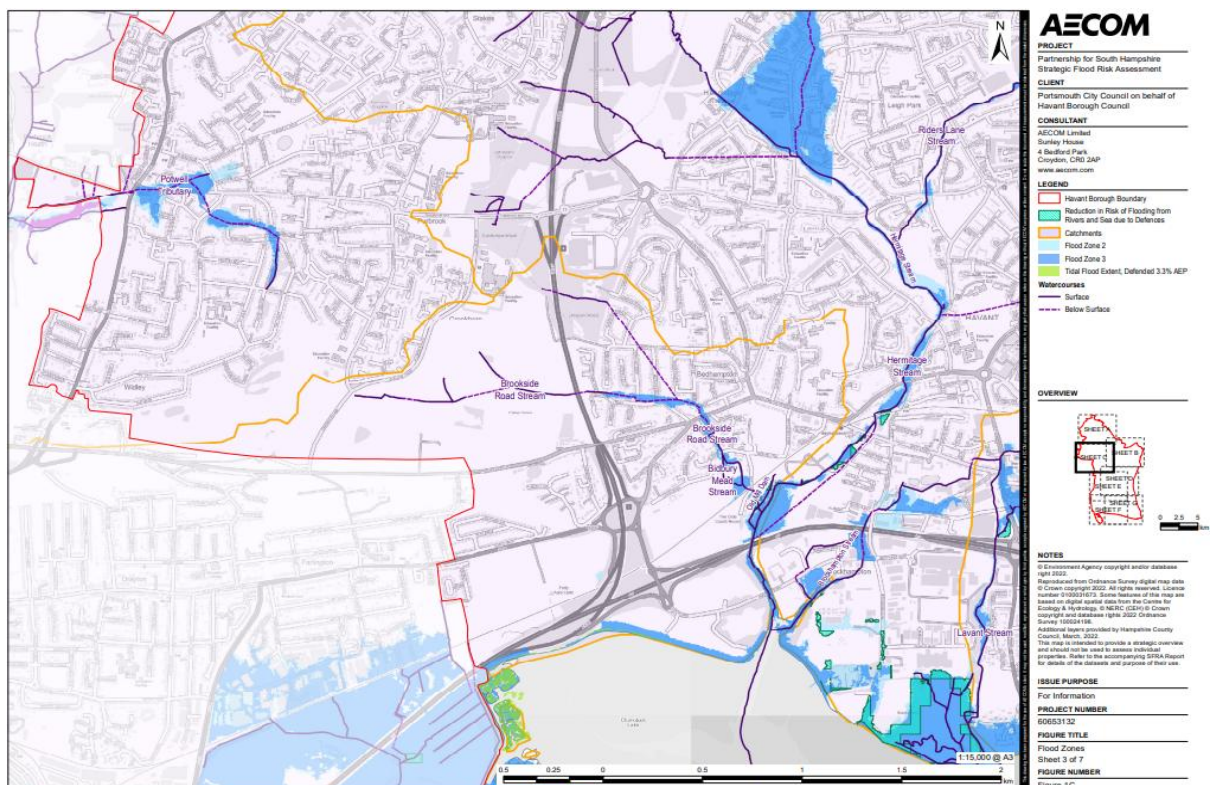


Flood zones 2 and 3 showing effects of climate change (2075 to 2125)



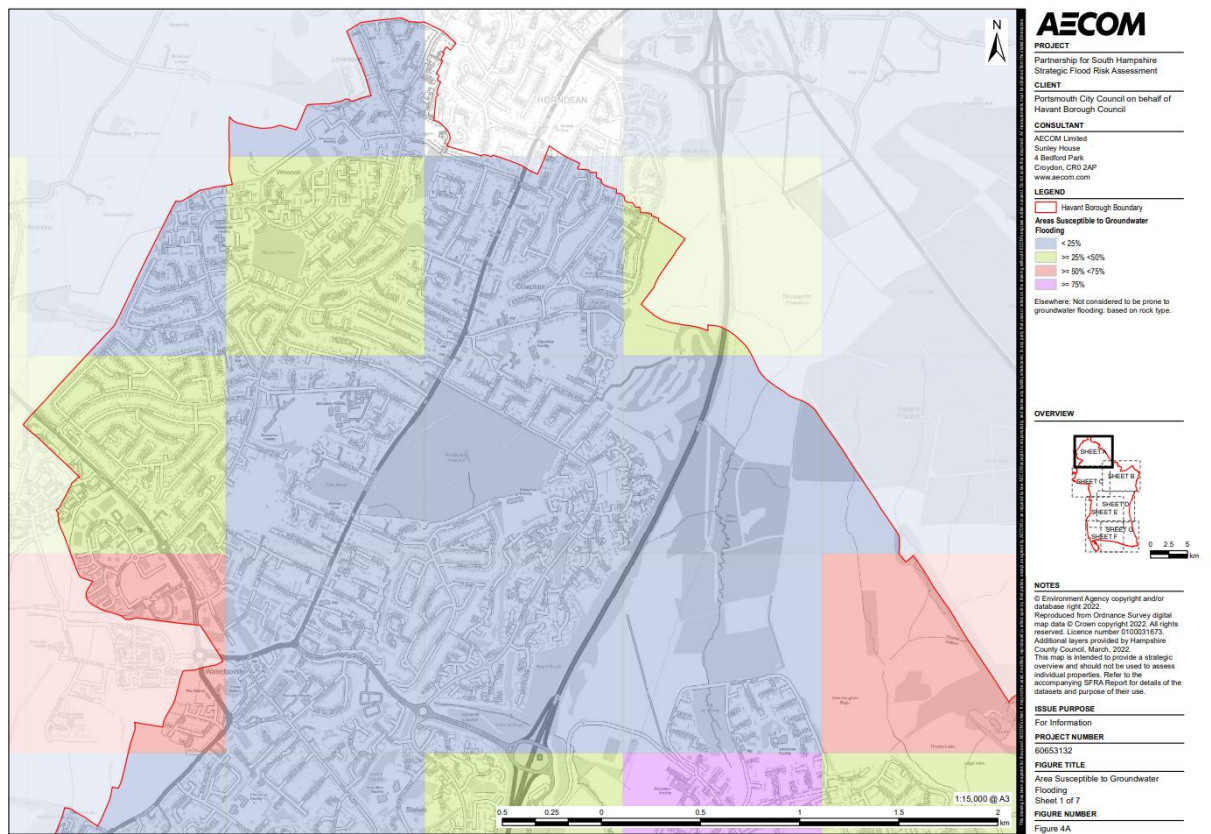
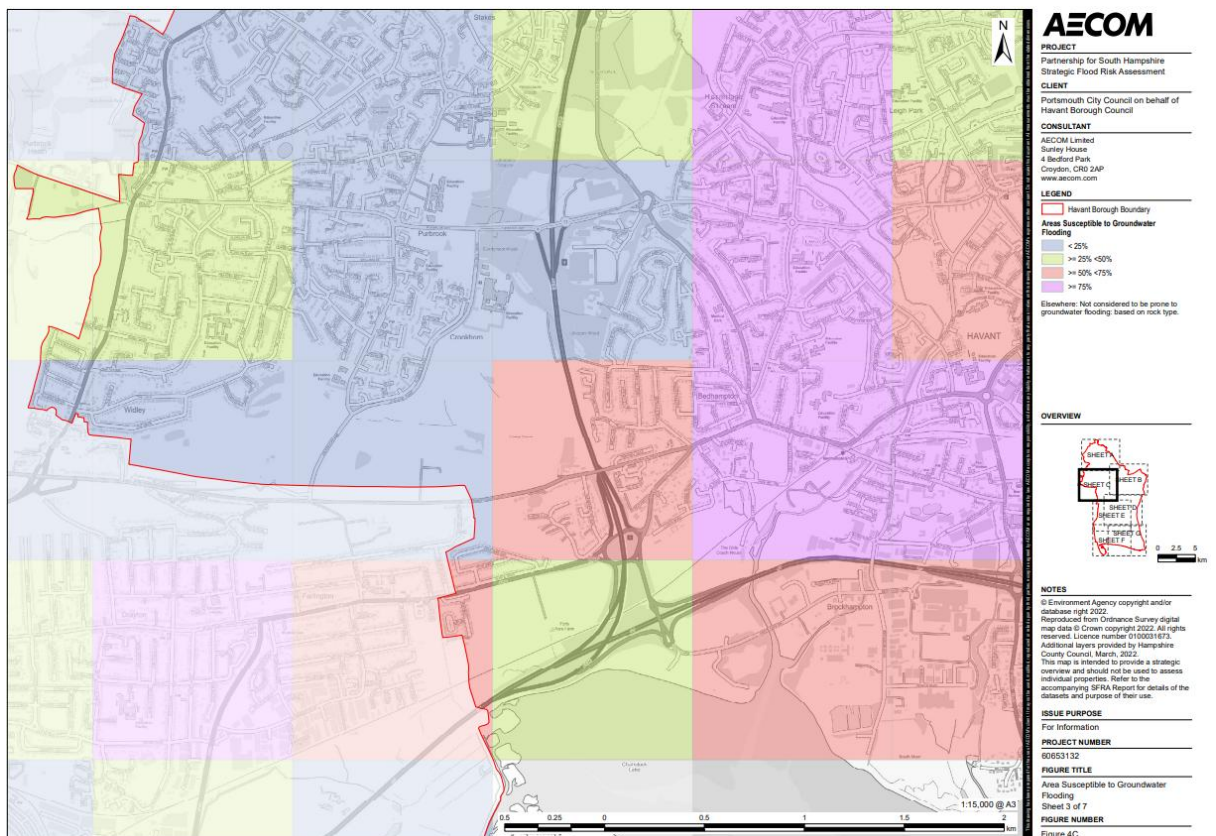
The above plan shows that climate change (2075 – 2125) is not expected to increase the flood risk when compared to the current day (see also plan on previous page). Therefore, there will be no effect on the footpath.

EA Flood zones – Northern and southern sections



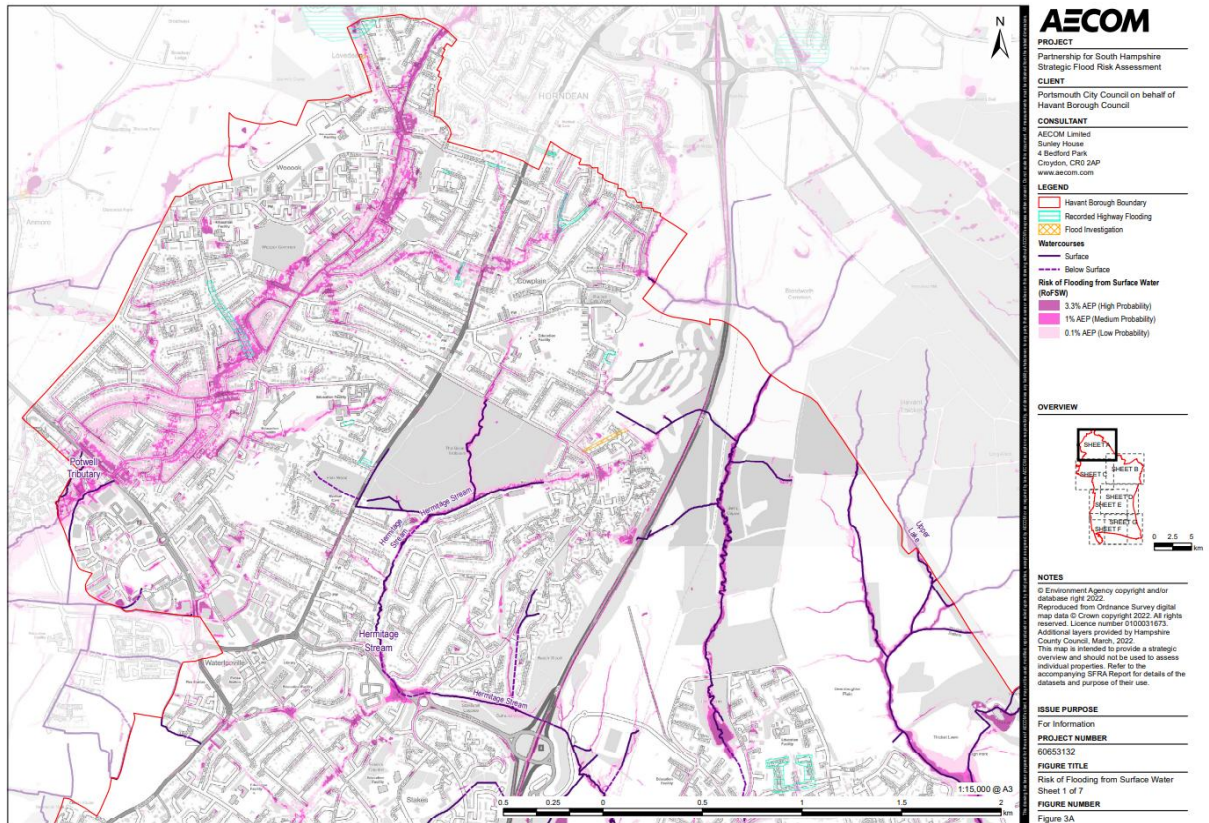
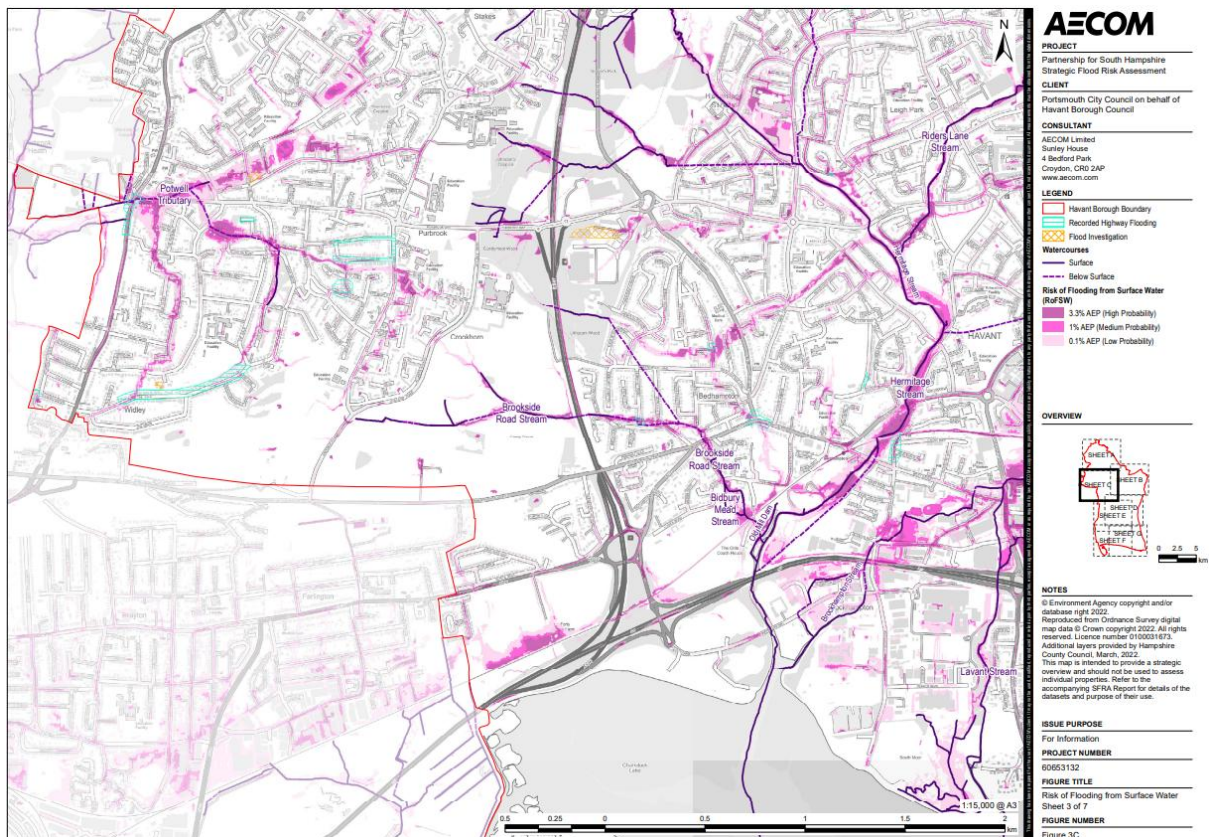
2.5 The works to widen and upgrade the footway will not affect the fluvial flood risk to the Hermitage Stream.

2.6 Groundwater flooding.

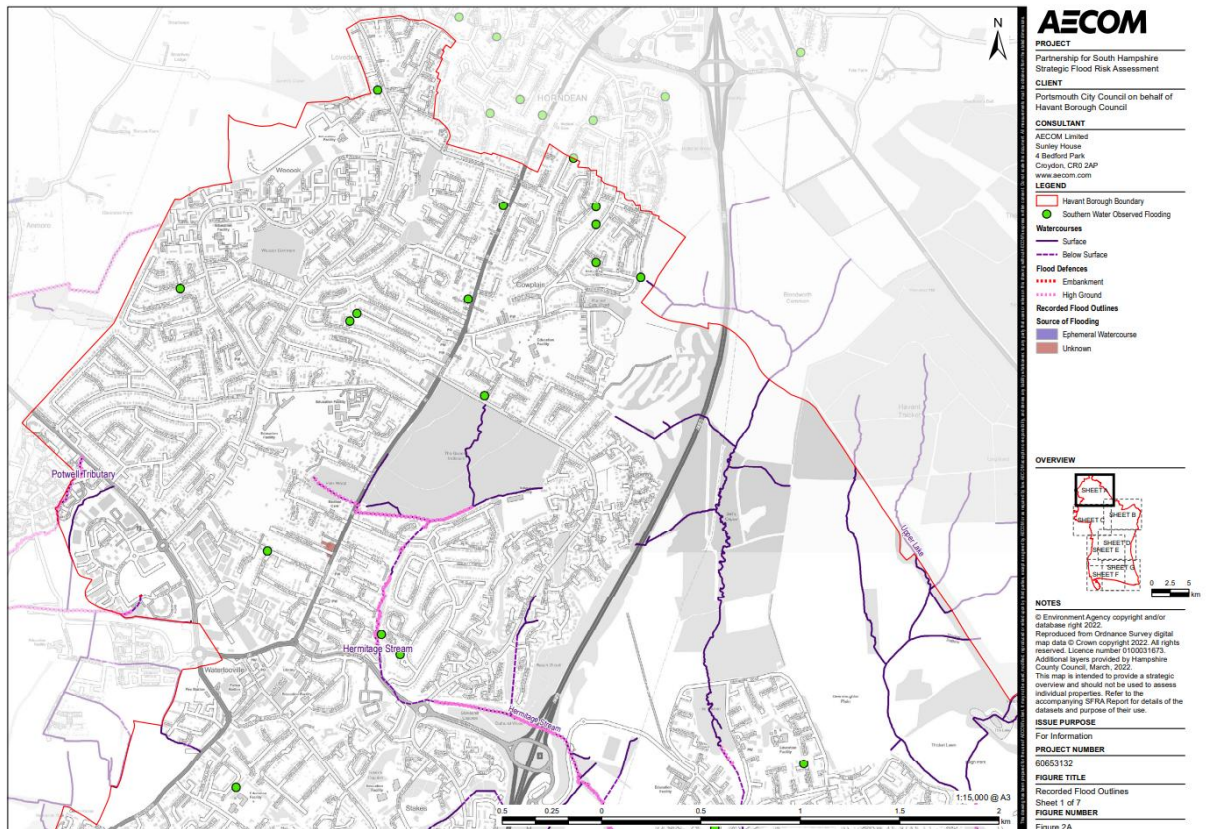
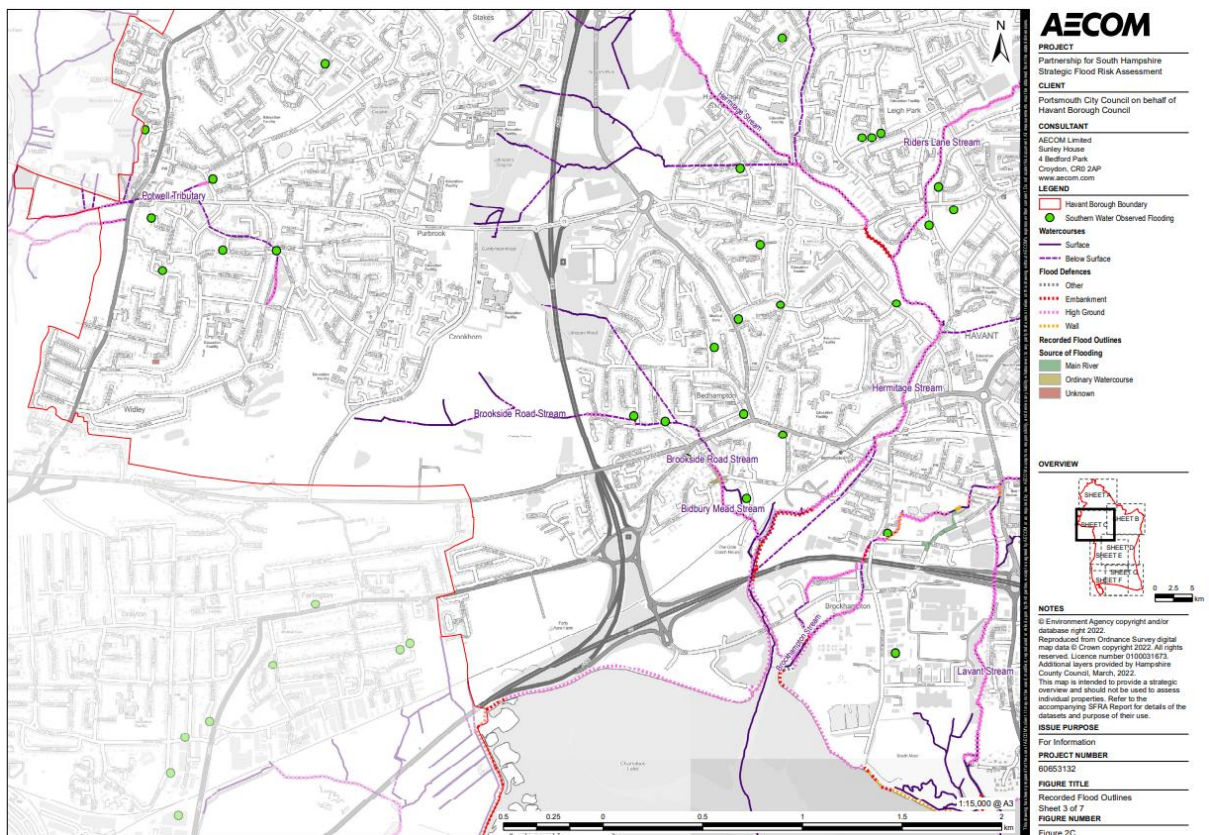


2.7 The groundwater flood risk associated with the proposed footpath is shown in the plans on the previous page. The plans show, using Environment Agency data, that the proposed route of the footpath straddles 2 areas susceptible to groundwater flooding. However, a footpath is being constructed and therefore there is no risk to the works.

2.8 Surface water flooding.

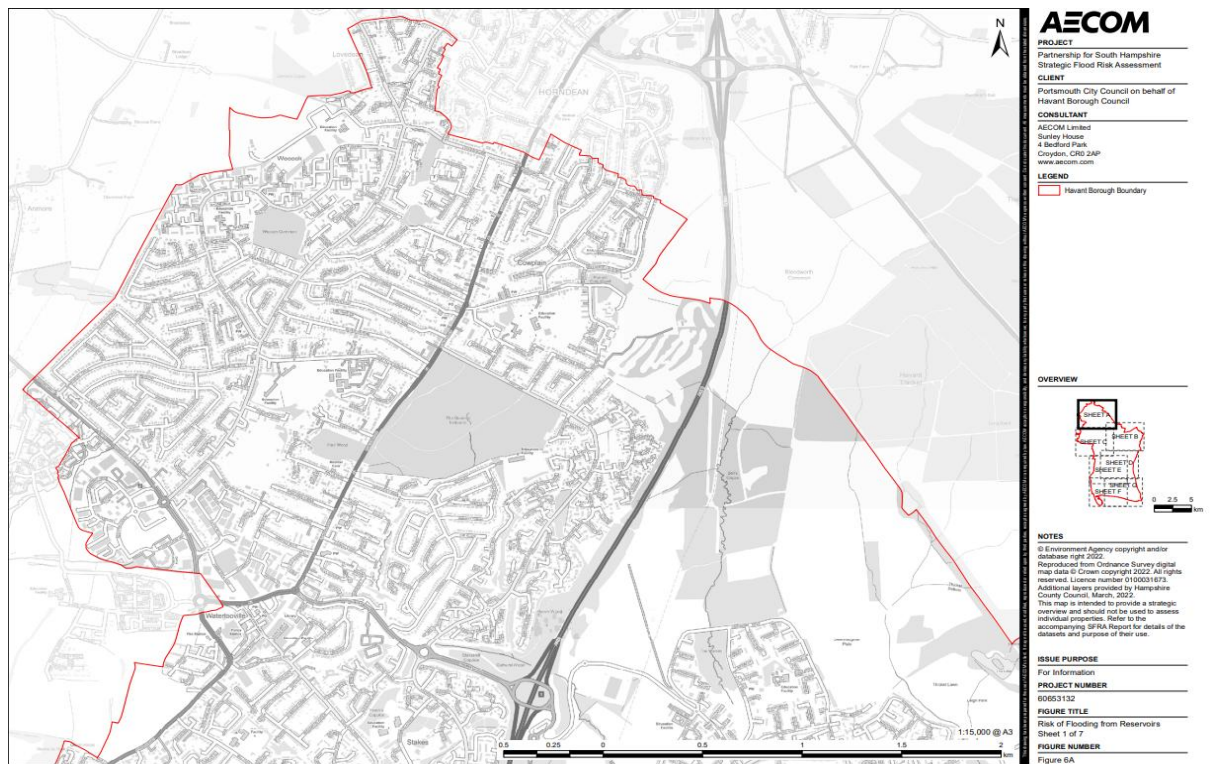
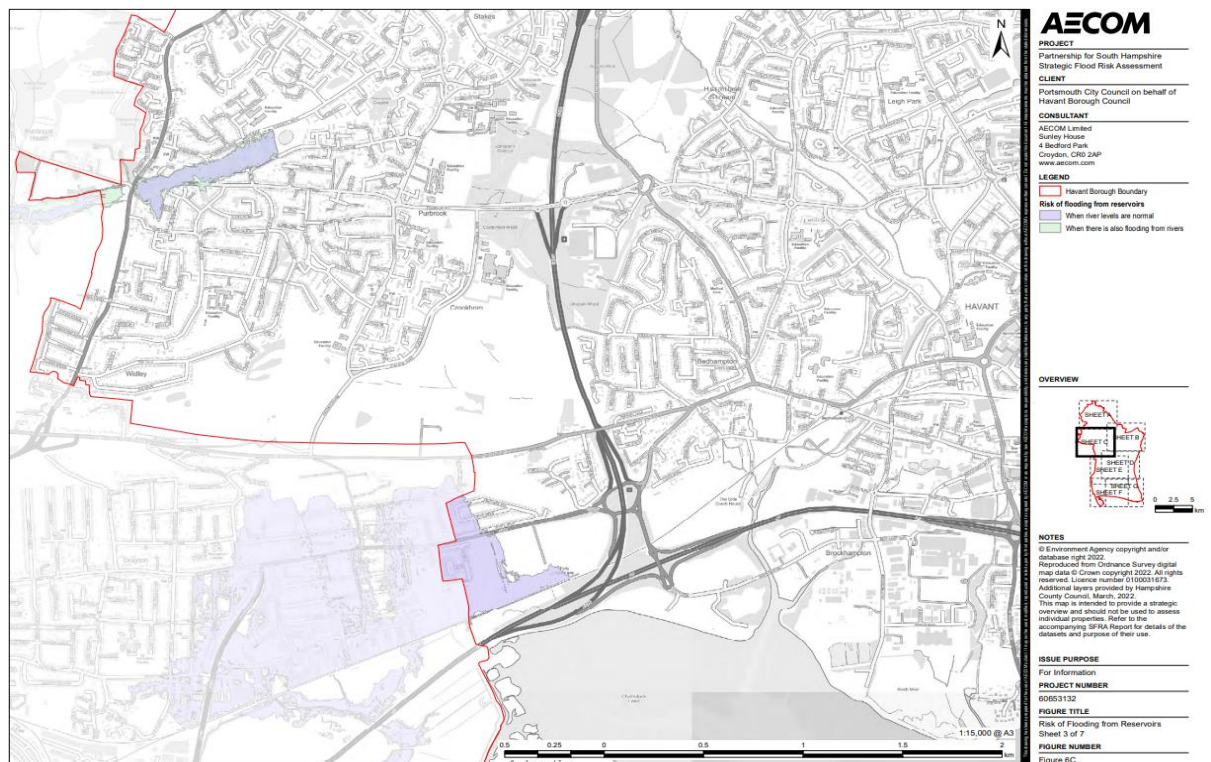


2.9 The 2 plans above show the risk of surface water flooding. For the most part the risk along the proposed route is mainly either low probability or medium probability.



2.10 The above plans show there is no risk from sewer flooding along the proposed route

2.11 Reservoir flooding



2.12 There are no reservoirs in the vicinity of the proposed works and the above plans demonstrate there is no risk of reservoir flooding affecting the path

- 2.13 Exception Test – In accordance with Annex 3 of the National Planning Policy Framework (NPPF) the upgrade of Footpath 508 would be classified as water-compatible development and as such passes the exception test
- 2.14 Sequential Test – The new footpath is designated in Appendix C of Havant’s Local Cycling and Walking Infrastructure Plan (LCWIP) as a proposed route in HBC’s network of cycle routes (existing and proposed). The works are an upgrade to existing infrastructure and can be considered a development of the Amenity Open Space as set out in Planning Practice Guidance (PPG) Table 2: Flood Risk Vulnerability Classification. The works can also be considered water-compatible development in accordance with PPG Table 3: Flood Risk vulnerability and flood zone ‘compatibility’ (NPPG, 2014). As such the development works are appropriate and so the Sequential Test does not apply.

3 Climate Change

- 3.1 When assessing flood risk climate change should be taken into account to ensure that development will not have a detrimental effect for the lifetime of the development.
- 3.2 The effects of climate change (from 2075 to 2125) on flood zones 2 and 3 when compared to the present day are shown in paragraph 2.4. As the proposed route is primarily an upgrade of the existing Footpath 508 climate change is expected not to have any effect on the footpath.
- 3.3 No further assessment of climate change impacts has been undertaken as the footpath is an amenity.

4 Conclusion

- 4.1 As discussed in paragraph 2.14 the works to be undertaken are improvements to the Amenity Open Space which in line with the NPPG Table 3 is categorised as water-compatible development.
- 4.2 The works to upgrade the footpath will not have a detrimental effect on flood risk and will actually positively enhance flood risk associated with the current flood zones.