

Isle of Wight Local Flood Risk Management Strategy

Appendix H: Ventnor

July 2016

Isle of Wight Council, Planning and Housing Services

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DOCUMENT CONTROL

General information

Title	Isle of Wight Local Flood Risk Management Strategy Appendices
Owner	Wendy Perera, Head of Planning and Housing Services – Isle of Wight Council
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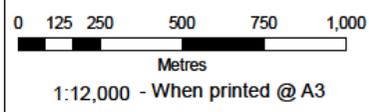
Revision history

Summary of changes	Completed by	Date	Current version?
First Draft	EA/IWC	28/11/2013	No
Second Draft	EA/IWC	02/05/2014	No
Third Draft	EA/IWC	05/02/2015	No
Consultation Draft	IWC	31/03/2016	No
Final Draft Report	IWC	14/06/2016	No
Final Report	IWC Executive Committee	14/07/2016	Yes
Programmed Review	IWC	31/07/2021	



Legend

-  Main River
-  Flood Zone 3
-  Flood Zone 2



Notes

Flood Map Areas (assuming no defences)

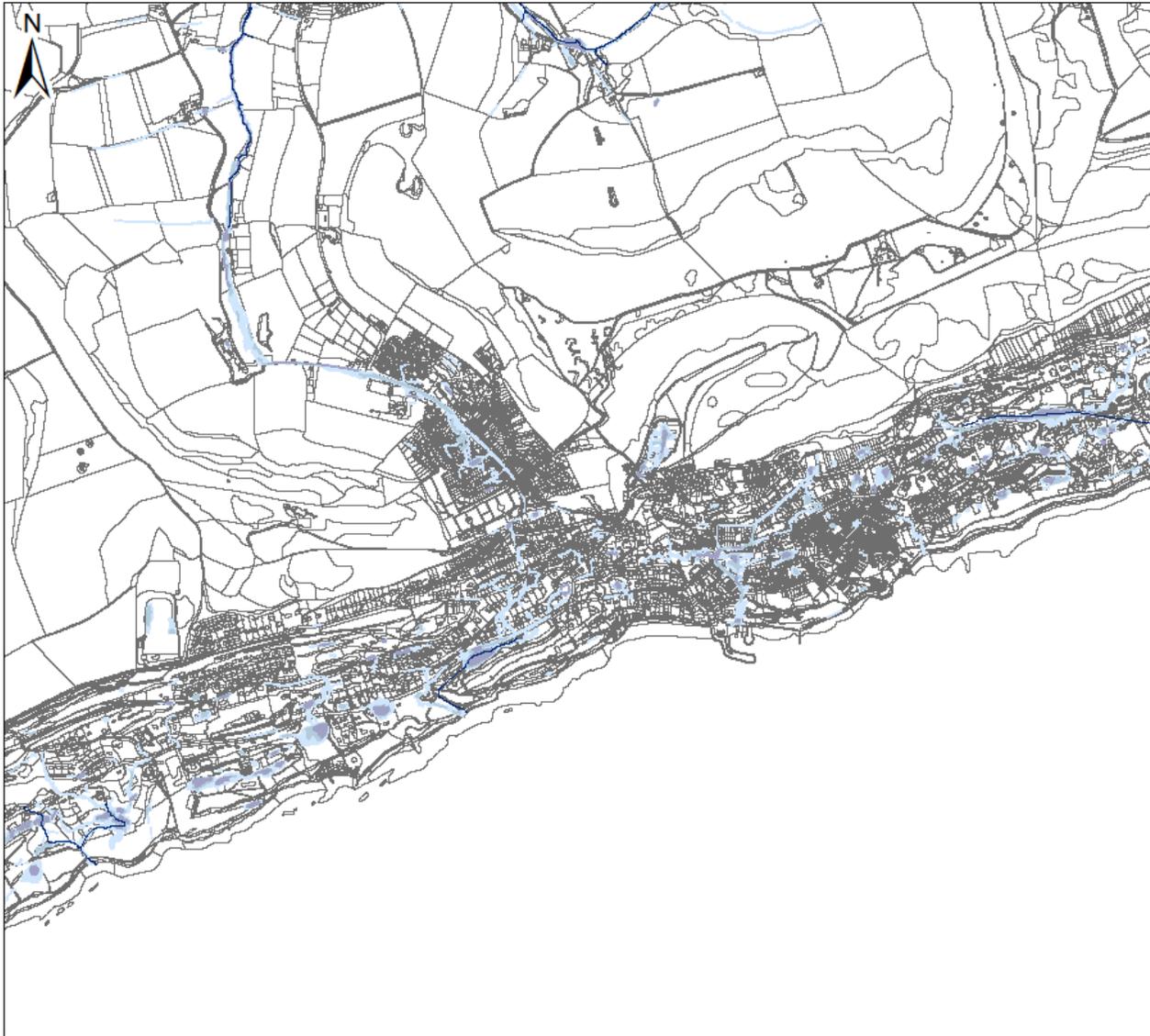
Flood Zone 3
Shows the area that could be affected by flooding:
- from the sea with a 1 in 200 (0.5%) or greater chance of happening each year.
- or from a river with a 1 in 100 (1%) or greater chance of happening each year.

Flood Zone 2
Shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 (0.1%) chance of occurring each year.

Figure H1
Environment Agency Flood Zones 2 & 3 for Ventnor

November 2014

Based upon the Ordnance Survey Map with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright. AL10001776




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Legend

- Main River
- Ordinary Watercourses
- High
- Medium
- Low

0 125 250 500 750 1,000
 Metres
 1:12,000 - When printed @ A3

Notes

Likelihood of flooding from Surface Water

High :
Greater than or equal to 1 in 30 (3.3%) chance in any given year.

Medium :
Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) chance in any given year.

Low :
Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year.

Very Low :
Less than 1 in 1,000 (0.1%) chance in any given year.

Figure H2
Updated Flood Map for Surface Water (UFMfSW) for Ventnor

May 2015



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Legend

- Recorded Flood Events

0 125 250 500 750 1,000
Metres
1:12,000 - When printed @ A3

Notes
Location of reported flooding incidents

Figure H3
Historic flood events for for Ventnor

May 2015

Area overview

Ventnor is built on a relatively steep south-east facing slope, with an elevation which rises quickly from the shoreline. Flood risk in the town is considered to only be generally small.

Due to the steepness of the area, surface water flows may be possible, and have been previously identified, however, it is unlikely that they will be of significant depth with only very localised areas of ponding.

Tidal flood risk

Due to the height above sea level of Ventnor, tidal flood risk is considered to be negligible.

Fluvial flood risk

There are no designated Main Rivers in the town of Ventnor and very little in the way of formalised watercourses. As such, there is no modelled fluvial flood risk and flooding from this source is considered to be minimal.

Surface water flood risk

The topography of Ventnor is generally characterised by a steeply sloping south facing slope with very few well defined flow routes. As such it is difficult to determine accurately where surface water flooding will occur. The latest modelling shows sporadic areas of surface ponding in assumed low points of the topography across the town. The most defined area of risk is at the junction of *Marlborough Street, Church Street and High Street*. Surface water is judged to flow down to this point and accumulate before flowing down *Pier Street and Shore Hill* down towards the sea.

Groundwater flood risk

There have been no incidents of groundwater flooding recorded for the Ventnor area. As such, groundwater flood risk is considered to be low.

Reservoir flood risk

There are currently no known reservoirs on the Island that meet the requirements of the Reservoirs Act 1975, which are reservoirs that hold at least 25,000 cubic metres of water above ground level. As such flood risk from this source is considered to be nil.