

Isle of Wight Local Flood Risk Management Strategy

Appendix U: Rookley

July 2016

Isle of Wight Council, Planning and Housing Services

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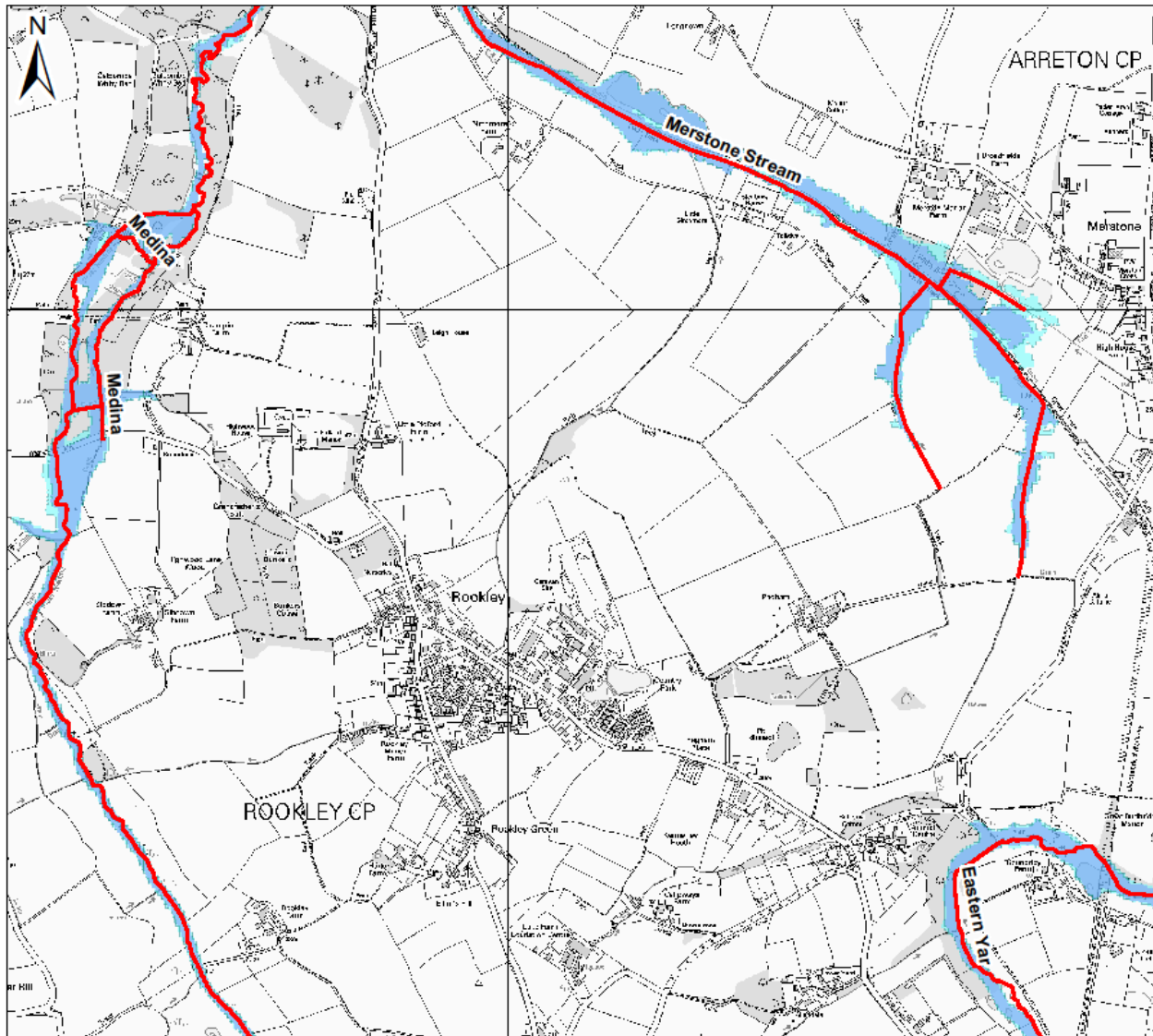
DOCUMENT CONTROL

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
Version	Final Report
File status	Active

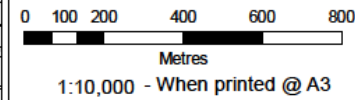
Revision history

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

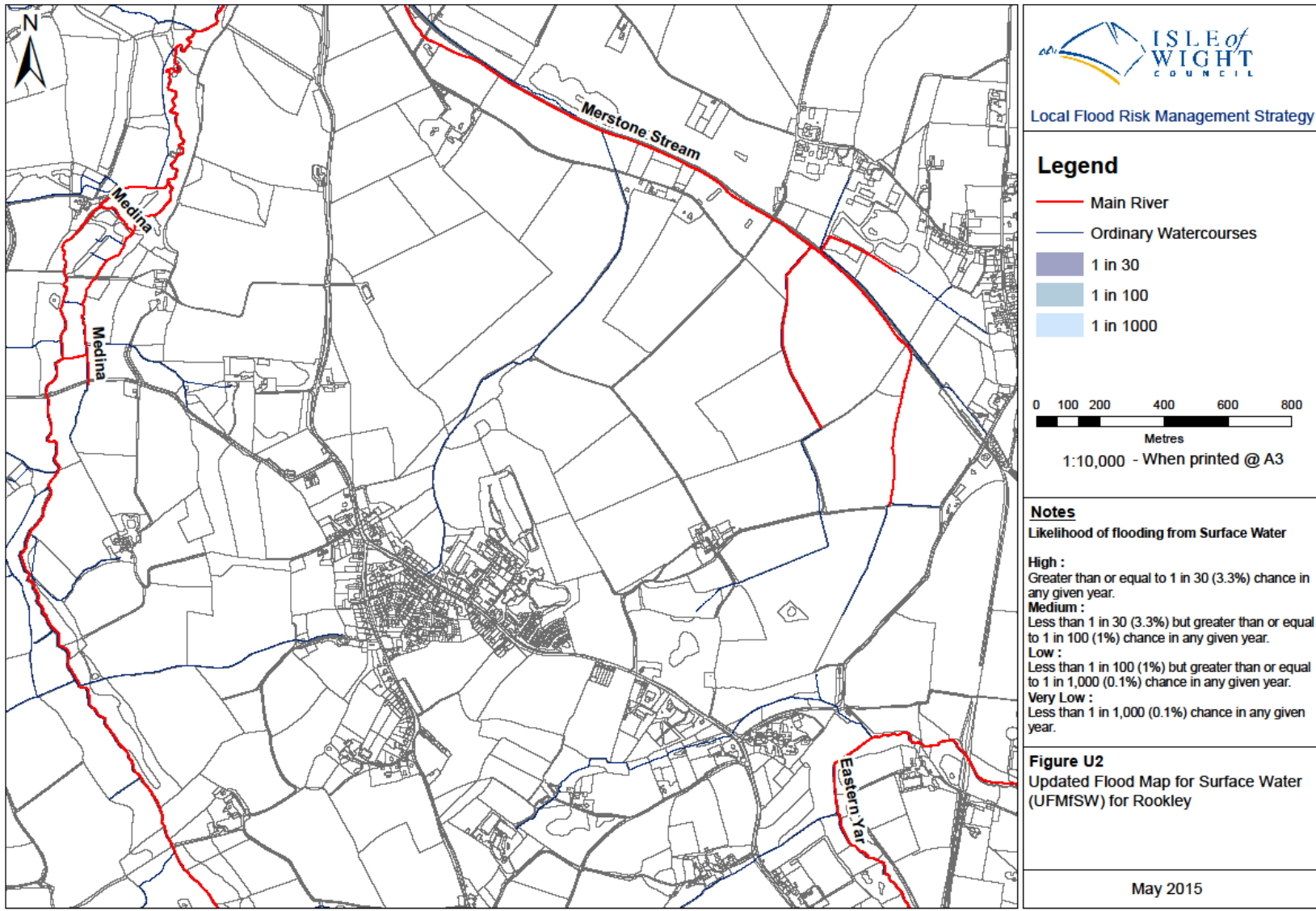
Shows the area that could be affected by flooding:
 - from the sea with a 1 in 200 (0.5%) or greater chance of happening each year.
 - or from a river with a 1 in 100 (1%) or greater chance of happening each year.

Flood Zone 2

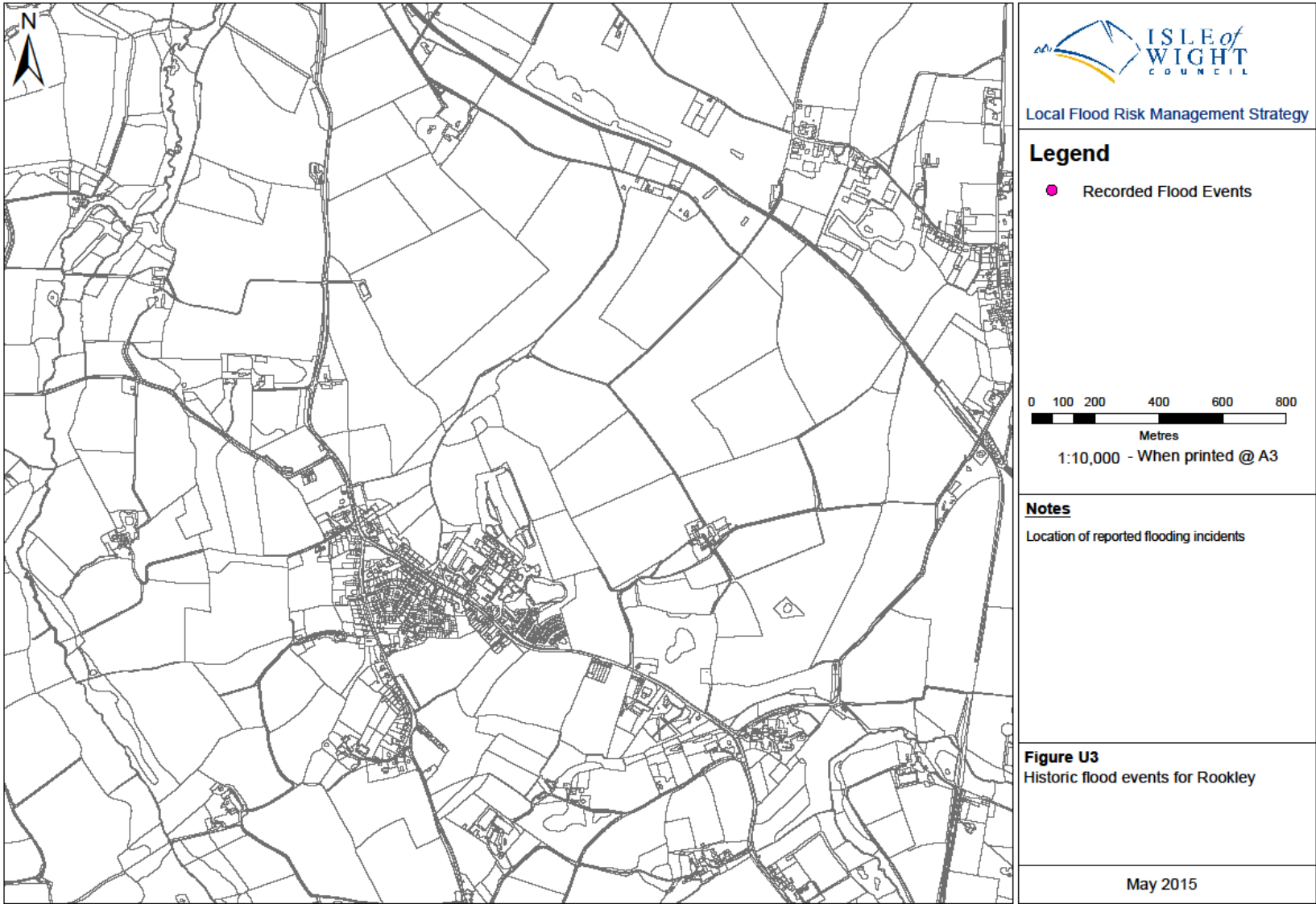
Shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 (0.1%) chance of occurring each year.

Figure U1
Environment Agency Flood Zones 2 & 3 for Rookley

November 2014



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Area overview

Rookley is located in the south of the Island, around 5km south of Newport. The settlements location on the knoll of a small hill places all existing development and potential development sites in Flood Zone 1. The local topography also places Rookley at the head of the predicted local surface water flow routes.

Tidal flood risk

Due to the inland location of Rookley, tidal flood risk is considered to be negligible.

Fluvial flood risk

Rookley is situated between the River Medina to the west, Merstone Stream to the east and the Eastern Yar to the south. However, there are no designated Main Rivers passing through Rookley itself, as such, there is no modelled fluvial flood risk in Rookley.

Surface water flood risk

The settlement of Rookley is effectively situated on the knoll of a small hill. This is reflected in the patterns of the surface water flow routes which flow outwards from the settlement area in all directions towards the surrounding lower land and watercourses. A potential flow route is identified to flow northwards out of the centre of the settlement following the line of an Ordinary Watercourse. The modelling shows the potential for properties to be affected on a small scale where there are localised low points. It is unlikely that any flooding would be severe. There are also currently no records of reported surface water flooding in the area.

Groundwater flood risk

There have been no incidents of groundwater flooding recorded for the Rookley 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.