

Isle of Wight Local Flood Risk Management Strategy

Appendix D: Blackwater

July 2016

Isle of Wight Council, Planning and Housing Services

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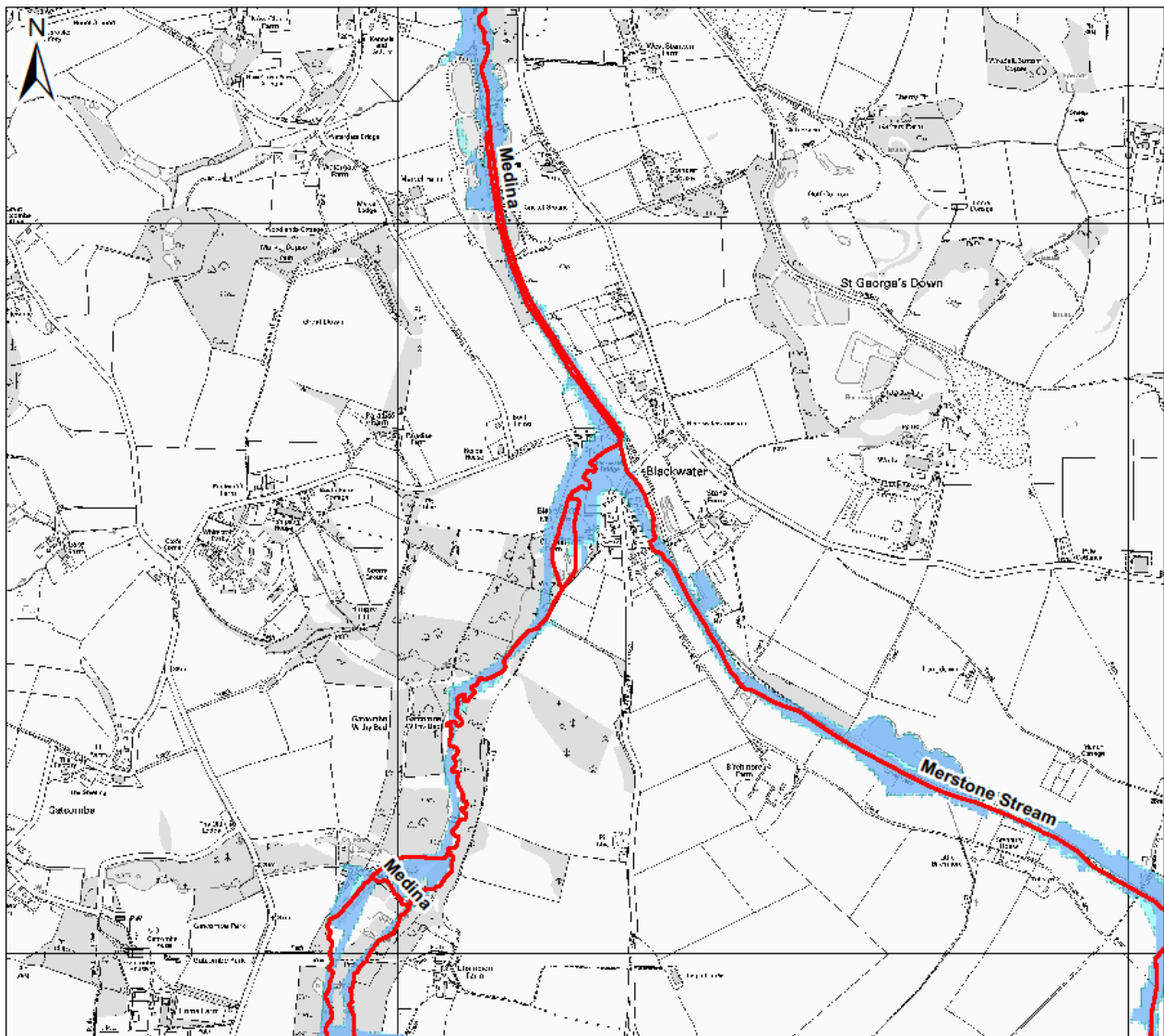
DOCUMENT CONTROL

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

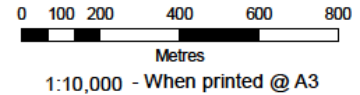
Summary of changes	Completed by	Date	Current version?
First Draft	EA/IWC	28/11/2013	No
Second Draft	EA/IWC	02/05/2014	No
Third Draft	EA/IWC	05/02/2015	No
Consultation Draft	IWC	31/03/2016	No
Final Draft Report	IWC	14/06/2016	No
Final Report	IWC Executive Committee	14/07/2016	Yes
Programmed Review	IWC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



Local Flood Risk Management Strategy

Legend

- Main River
- Flood Zone 3
- Flood Zone 2



Notes

Flood Map Areas (assuming no defences)

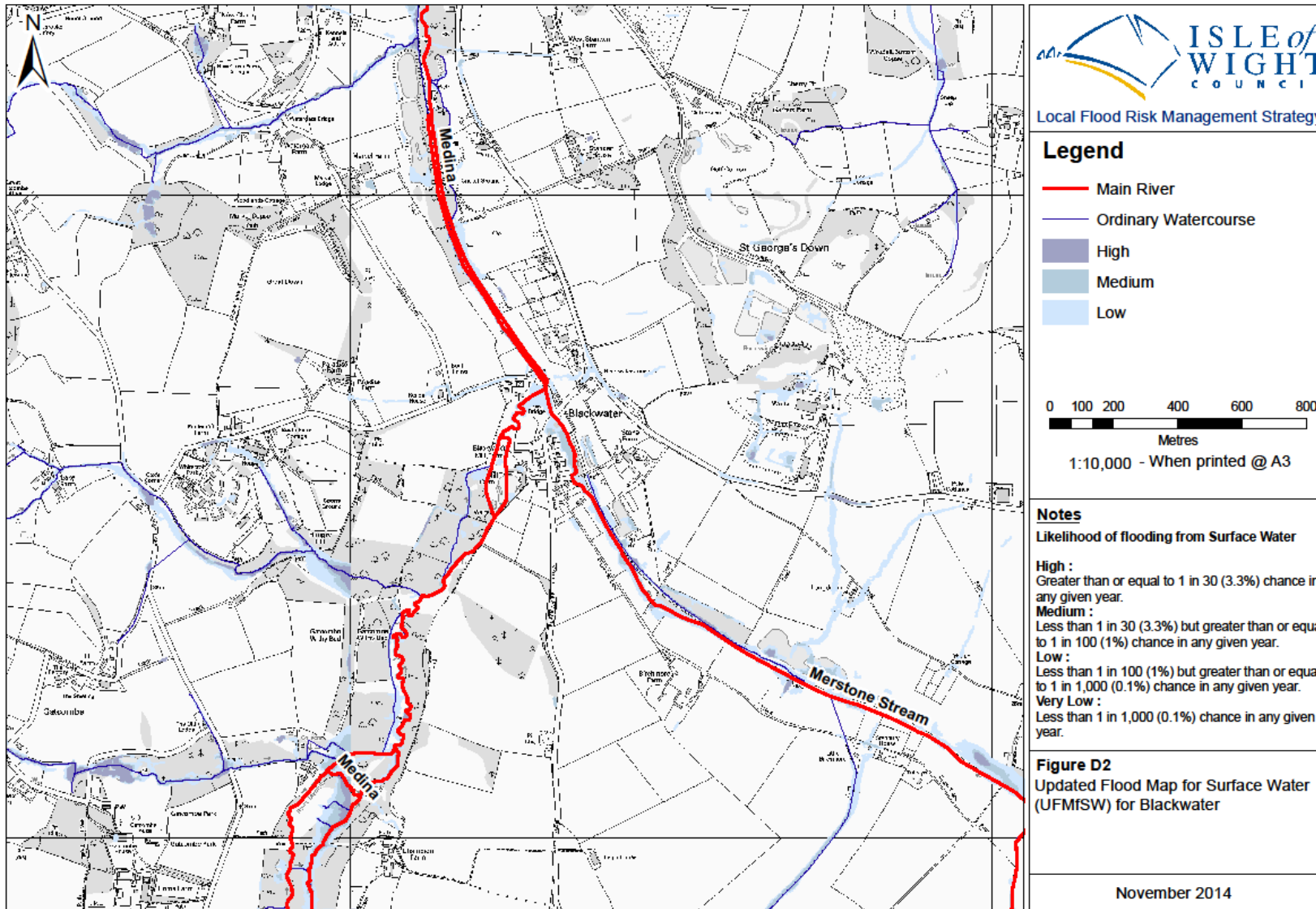
Flood Zone 3
Shows the area that could be affected by flooding:
- from the sea with a 1 in 200 (0.5%) or greater chance of happening each year.
- or from a river with a 1 in 100 (1%) or greater chance of happening each year.

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 D1
Environment Agency Flood Zones 2 & 3 for Blackwater

November 2014

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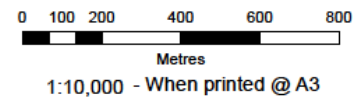


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Legend

● Recorded Flood Events



Notes

Location of reported flooding incidents

Figure D3
Historic flood events for Blackwater

May 2015

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Area overview

Blackwater is a small village to the south of Newport surrounded by rural area. The village itself is relatively flat in topography, with gentle sloping fields surrounding it.

Flood risk in Blackwater comprises primarily of fluvial and surface water flood risk. Blackwater is at the confluence where the Merstone Stream meets the River Medina and therefore has a relatively large catchment area upstream.

Tidal flood risk

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

Fluvial flood risk

Blackwater is at the confluence where the Merstone Stream meets the River Medina, as such; there is a modelled risk of fluvial flooding. The current modelling shows that the flood extents from the rivers are generally confined to the river corridors with only a small number of properties with the potential to be affected, specifically those closest to the watercourses. There is also potential for the *A3020 – Blackwater Hollow*, to be affected by fluvial flooding. This would be expected where the Merstone Stream crosses the road itself.

Surface water flood risk

Modelled surface water risk in Blackwater tends to follow the line of the watercourses. However, there is potential for surface flow along the *A3020 – Blackwater Hollow*. This was confirmed with reported flooding in the winter of 2013/14 but is believed to have been exacerbated by a blocked highway drain which has since been cleared.

Groundwater flood risk

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