

Isle of Wight Local Flood Risk Management Strategy

Appendix F: Yarmouth

July 2016

Isle of Wight Council, Planning and Housing Services

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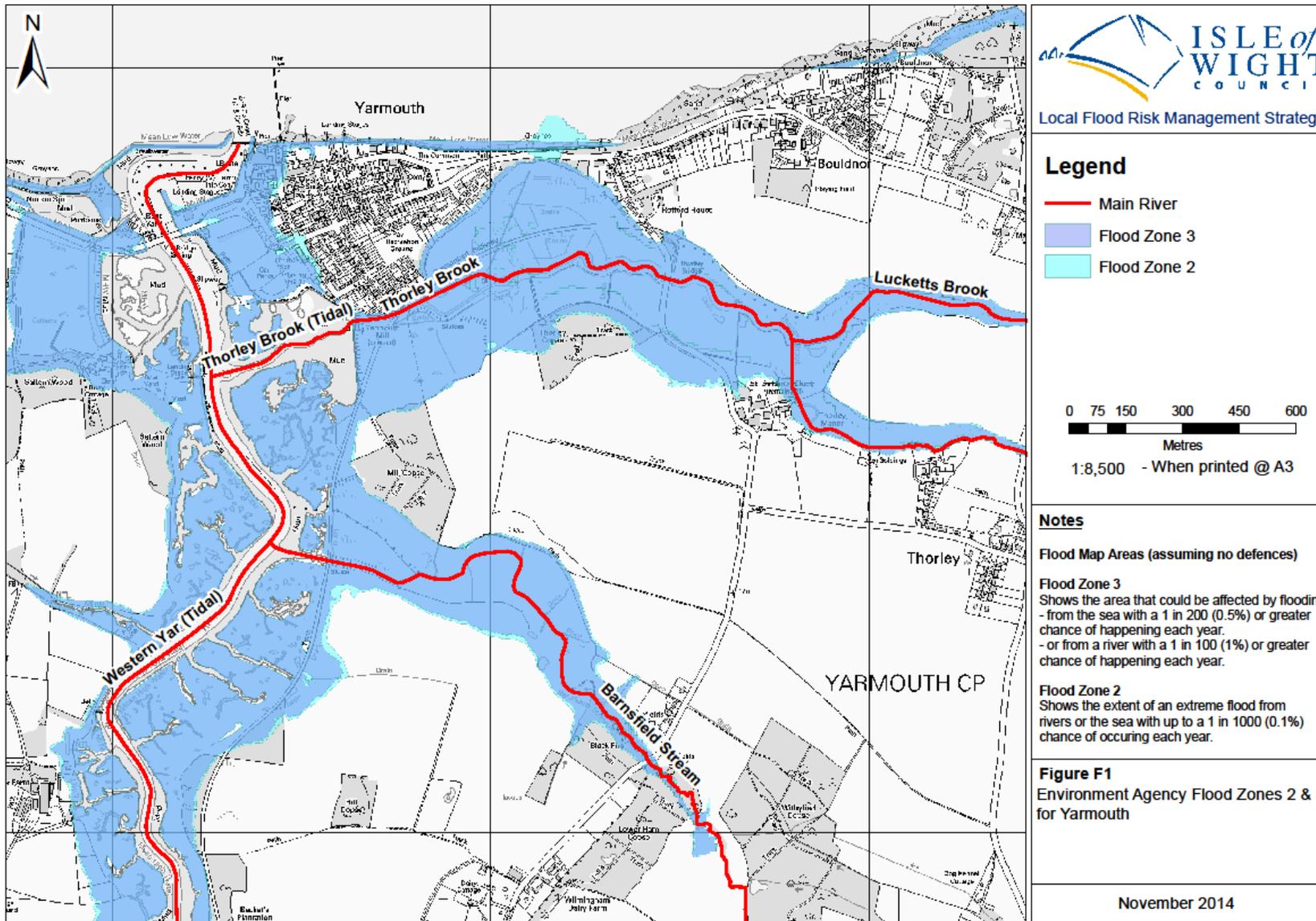
DOCUMENT CONTROL

General information

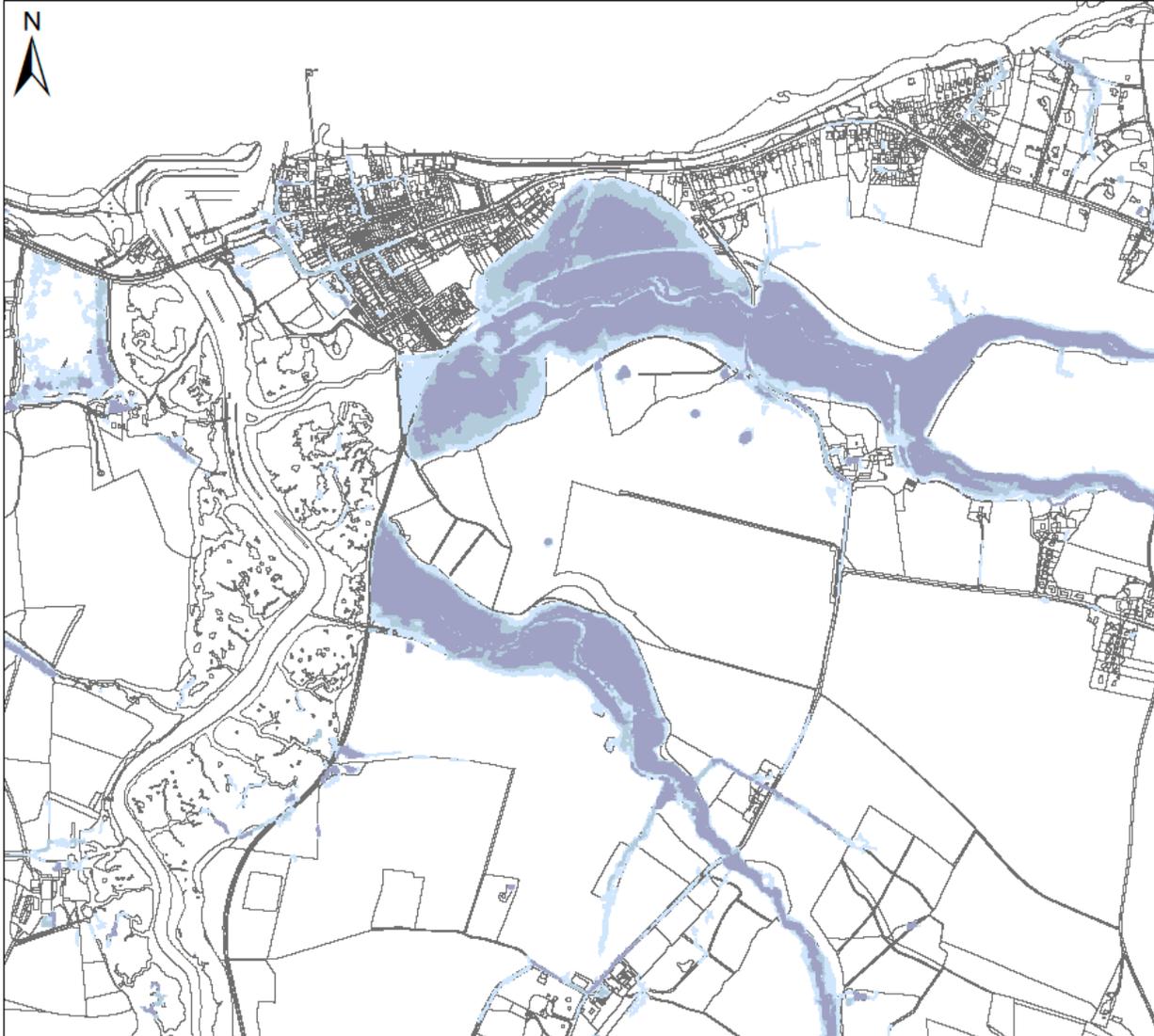
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|--------------------|---|
| Title | Isle of Wight Local Flood Risk Management Strategy Appendices |
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Revision history

| 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 | |



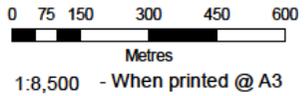
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Local Flood Risk Management Strategy

Legend

- Main River
- High
- Medium
- Low



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.

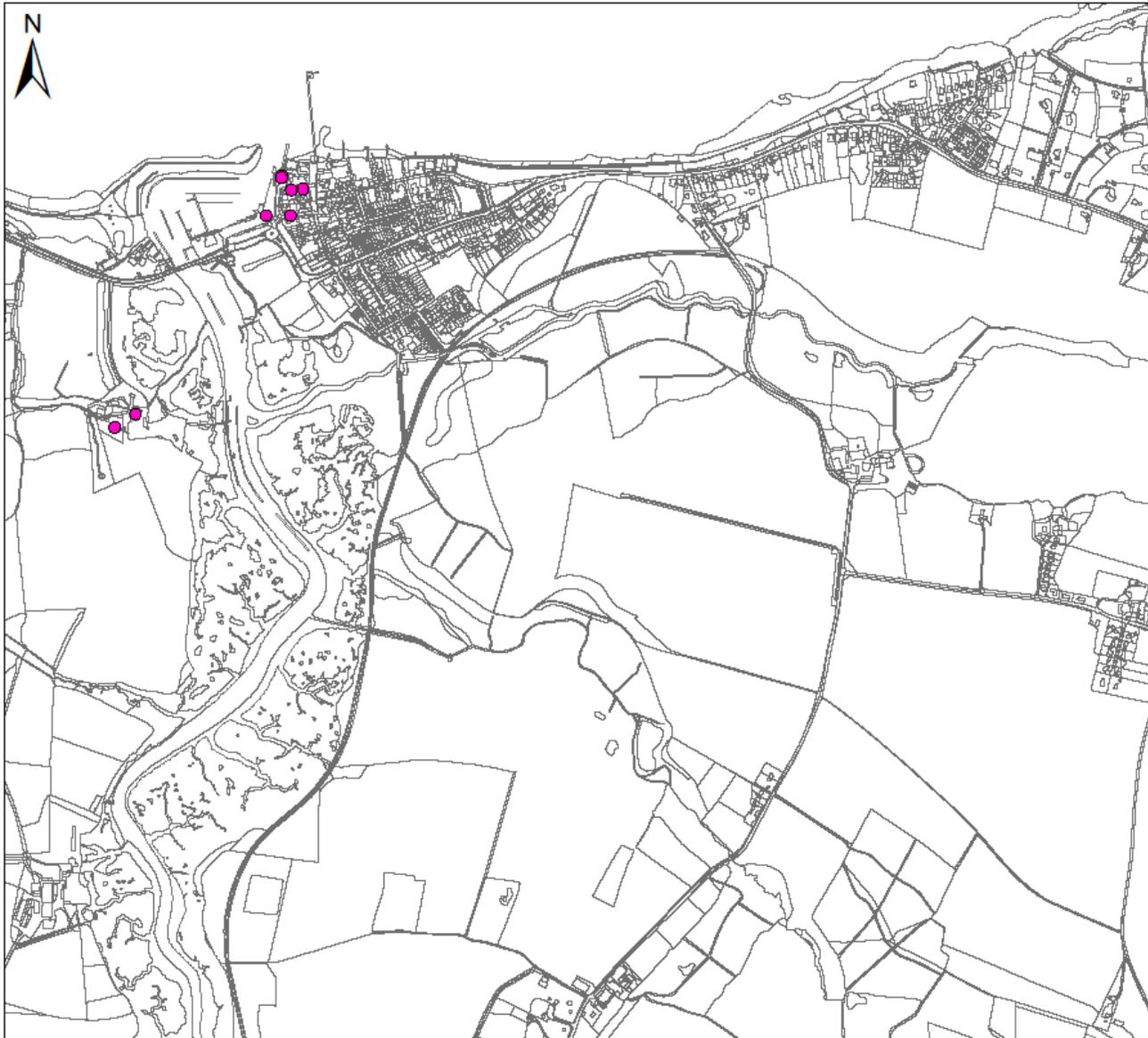
Low :
Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) chance in any given year.

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

Figure F2
Updated Flood Map for Surface Water (UFMfSW) for Yarmouth

May 2015

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Local Flood Risk Management Strategy

Legend

- Recorded Flood Events

0 75 150 300 450 600



Metres

1:8,500 - When printed @ A3

Notes

Location of reported flooding incidents

Figure F3

Historic flood events for Yarmouth

May 2015

Area overview

The topography of Yarmouth is relatively flat, with western parts of the town below 3m AOD. Flood risk in the town is complex with the tidal risk from the sea along the northern edge of the town, and a combination of tidal and fluvial risk from the estuary to the south and west.

The town of Yarmouth is completely surrounded by low lying land; as such the town does not have an upslope surface water catchment that can deliver surface water run-off to the town. As such the latest modelling predicts there to be a minimal surface water flood risk in Yarmouth.

Tidal flood risk

Tidal flooding is the main flood risk to Yarmouth. There is a present day risk of tidal flooding, reinforced most recently by the tidal event of the 14th February 2014 where areas around *Quay Street, Bridge Road, Gasworks Lane, The Quay* (residential and commercial properties), *River Road, A3054* west of the Yar Bridge, *The Mill*, and the southern end of the Pier (*Gossips Cafe*). were affected as well as the *Wight Link Ferry Terminal*. Current day modelled flood risk is primarily around these areas as well as *River Road* however, with the impacts of climate change and sea level rise, it is expected that more of the town will be affected unless flood defences are improved or created. Another issue for the town of Yarmouth is the potential to be 'cut off' by an extreme event. Modelling shows that if an extreme event were to occur, all road links to Yarmouth may become impassable. If this is the case, it could be that Yarmouth is unable to be accessed or exited for the duration of the tidal event.

Fluvial flood risk

Fluvial flood risk is considered to be negligible for the town itself as the predominant risk of flooding is of a tidal nature. There is a minor modelled risk of low depth fluvial flooding to affect the *Thorley road* to the east of the town.

Surface water flood risk

As previously mentioned the surface water modelling for Yarmouth shows limited impacts beyond minor ponding on road surfaces in identified low points, primarily along *River Road* to the west of the town. This can temporarily affect the road link where water accumulates.

Groundwater flood risk

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