

Isle of Wight Local Flood Risk Management Strategy

Appendix T: Chale

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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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

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

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 T1
Environment Agency Flood Zones 2 & 3 for Chale

November 2014

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Local Flood Risk Management Strategy

Legend

— Main River

— Ordinary Watercourses

 High

 Medium

 Low

0 120 240 480 720 960

 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 T2

 Updated Flood Map for Surface Water (UFMfSW) for Chale

May 2015

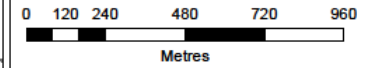
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Local Flood Risk Management Strategy

Legend

- Recorded Flood Events



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Notes

Location of reported flooding incidents

Figure T3
Historic flood events for Chale

May 2015

Area overview

Chale is located in the south of the Island to the west of *St Catherine's Down*. The Environment Agency flood zones do not extend as far as Chale as the designated Main River ends to the north at *Chale Green* at the junction of *Town Lane* and *Appleford Road*.

Surface water modelling for the area provides an indication of route of the flood water if it were to flow/pond on the surface.

Tidal flood risk

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

Fluvial flood risk

There are no designated Main Rivers in Chale, as such there is no modelled fluvial flood risk.

Surface water flood risk

Surface water flooding is considered the main source of risk to Chale. Flow routes are identified along the highways at *Chale Street*, *Blythe Shute* and *Upper House Lane*, although the impacts are shown to be low. There are 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 Chale 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.