



Site Ref:

Gillingham - SN0274REVB - Land South A143 & A146 Roundabout

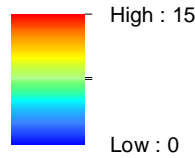
Please refer to Main Report and Site Summary Table for further information on the datasets

All layers are automatically off

Legend

- Level 2 SFRA Sites
- South Norfolk District Council Boundary
- Statutory Main Rivers
- Detailed River Network

Topography- mAOD



Modelled Flood Zones

- Modelled Flood Zone 3b
- Modelled Flood Zone 3a
- Modelled Flood Zone 2

EA Flood Map for Planning

- Flood Zone 3a
- Flood Zone 2

Gillingham flood model results

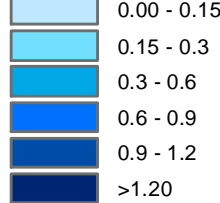
Flood Depth- Fluvial

- 1% AEP
- 1% AEP plus Higher Central CC
- 0.1% AEP

Flood Depth- Tidal

- 0.5% AEP
- 0.5% AEP plus Higher Central CC

Depth (m)



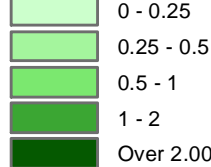
Flood Velocity- Fluvial

- 1% AEP
- 1% AEP plus Higher Central CC
- 0.1% AEP

Flood Velocity- Tidal

- 0.5% AEP
- 0.5% AEP plus Higher Central CC

Velocities (m/s)



Flood Velocity- Fluvial

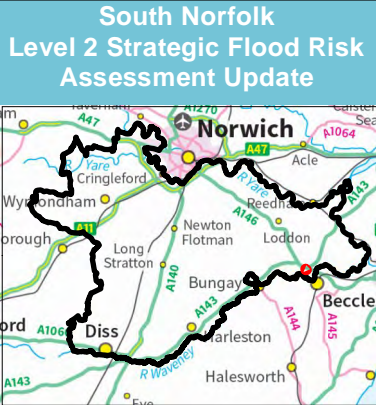
- 1% AEP
- 1% AEP plus Higher Central CC
- 0.1% AEP

Flood Velocity- Tidal

- 0.5% AEP
- 0.5% AEP plus Higher Central CC

Flood Hazard Rating

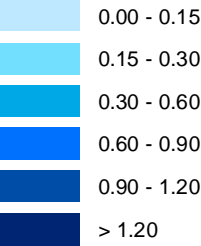
- Caution
- Dangerous for some
- Dangerous for most
- Dangerous for all



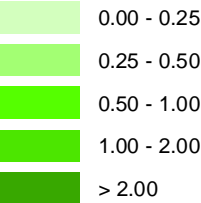
Risk of Flooding from Surface Water

- RoFSW 3.3% AEP
- RoFSW 1% AEP
- RoFSW 0.1% AEP

1 in 1000 year-Flood Depth-m



1 in 1000 year-Velocity (m/s)



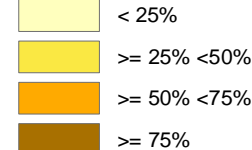
1 in 1000 year-Flood Hazard

- Caution
- Dangerous for some
- Dangerous for most
- Dangerous for all

Surface Water 1% AEP with 40% Climate Change

Environment Agency- Areas Susceptible to Groundwater Flooding

Percentage of 1km square at risk of groundwater flooding



Environment Agency - Flood Warnings & Flood Alerts

- Flood Warning Areas
- Flood Alert Areas

Historic Flood Map

- EA Historic Flood Map

Environment Agency - Reservoir Flooding

- Reservoir Flood Extent- Dry Day
- Reservoir Flood Extent- Wet Day

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consulting

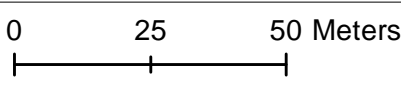


Figure- HHH-JBAU-XX-XX-MP-HM-0002-GeoPDF _SN0274REVB