

Gosport Borough Council

Gosport Borough Local Plan 2011-2029: Consultation Draft
Strategic Flood Risk Assessment Maps

Appendix 1: Gosport Waterfront and Town Centre SFRA maps

Use of maps (Appendices 1-3)

- 1.1 The Borough Council has prepared a series of maps to accompany the findings of the Council's Strategic Flood Risk Assessment (SFRA). The SFRA report carries out an assessment for the major allocations proposed in the Gosport Borough Local Plan 2011-2029: Consultation Draft published in December 2012 and therefore includes the Regeneration Areas of Daedalus and Rowner which fall within Flood Zone 1 (low probability of flooding).
- 1.2 The maps contained within Appendices 1-3 are for those proposed major allocations which fall within the higher areas of flood risk as defined by the Environment Agency's Flood Zone maps: Flood Zones 2 (medium) and 3 (high) which is why they have been reproduced in detail here. The major allocations referred to in this context are:
 - Gosport Waterfront and Town centre;
 - Haslar Peninsula; and
 - Priddy's Hard Heritage Area.
- 1.3 There is one set of maps for each of the three major allocations named above. They have been produced to illustrate the findings of the Borough Council's assessment and have reproduced using the maps from the Partnership for Urban South Hampshire's SFRA (SFRA) and supplemented where appropriate, using the latest mapping information from the Environment Agency relating to:
 - Groundwater flooding; and
 - Surface water flooding.
- 1.4 With regard to the use of these maps from the Environment Agency, it is important to bear in mind they have been produced to assist a strategic assessment to be carried out. They provide an indication of the broad areas likely to be at risk of surface water flooding. They are not suitable for identifying whether an individual property will flood and should not be used in this way. Enquiries relating to the use of these maps should be directed to the Environment Agency at www.environment-agency.gov.uk
- 1.5 The individual maps in the appendix are reproduced in the same order as shown on the PUSH SFRA website.
- 1.6 The SFRA and latest Environment Agency maps are the starting point for site-specific Flood Risk Assessments and can be viewed at:
<http://maps.hants.gov.uk/push>

Strategic Flood Risk Assessment



Current Environment Agency maps

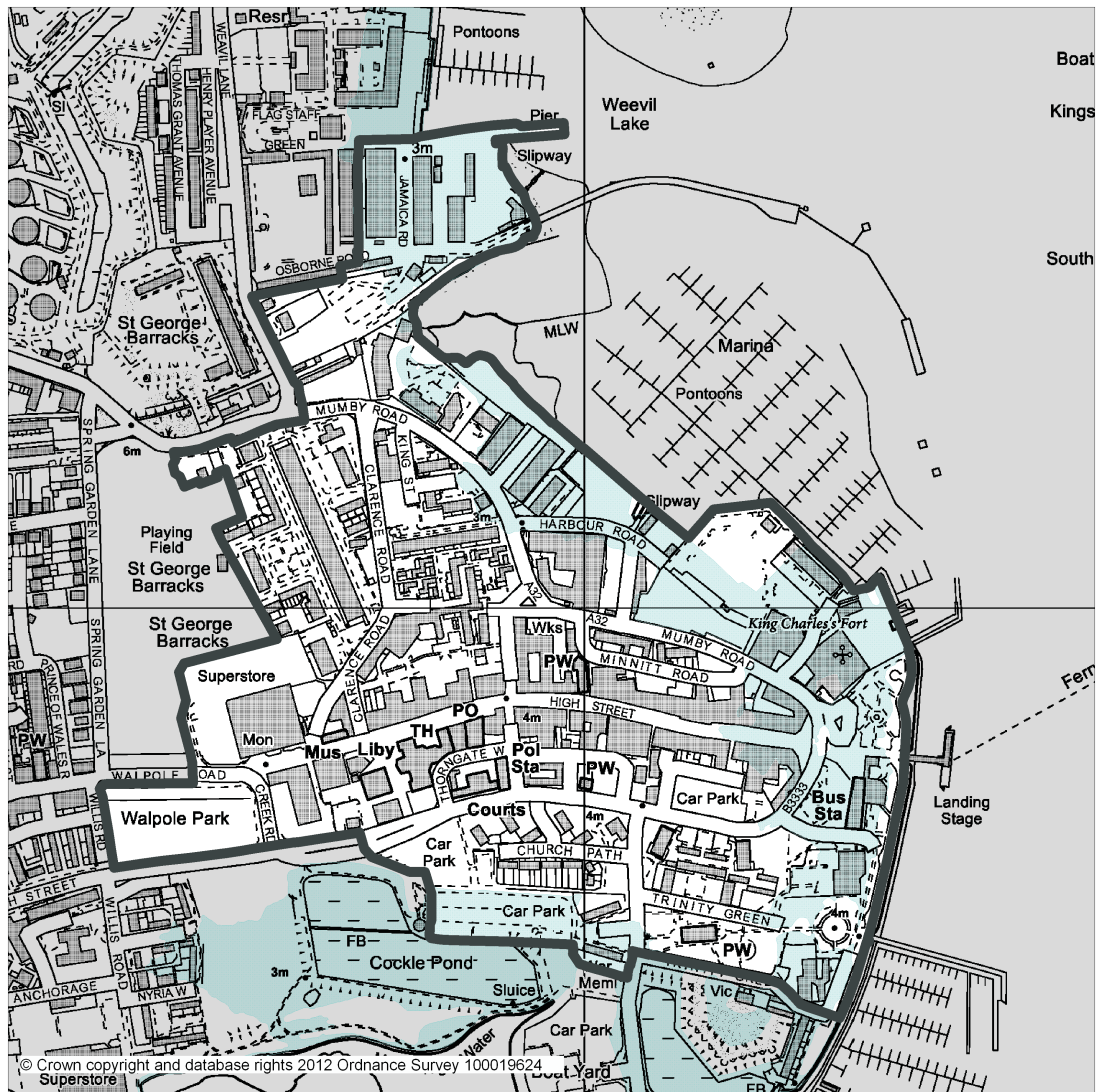
Areas Susceptible to Ground Water Flooding

- Clearwater
- Clearwater & Superficial Deposits Flooding
- Superficial Deposits Flooding
- Regeneration Area Boundary

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Strategic Flood Risk Assessment



Current Environment Agency maps

Flood Zone 2



Flood Zone 2

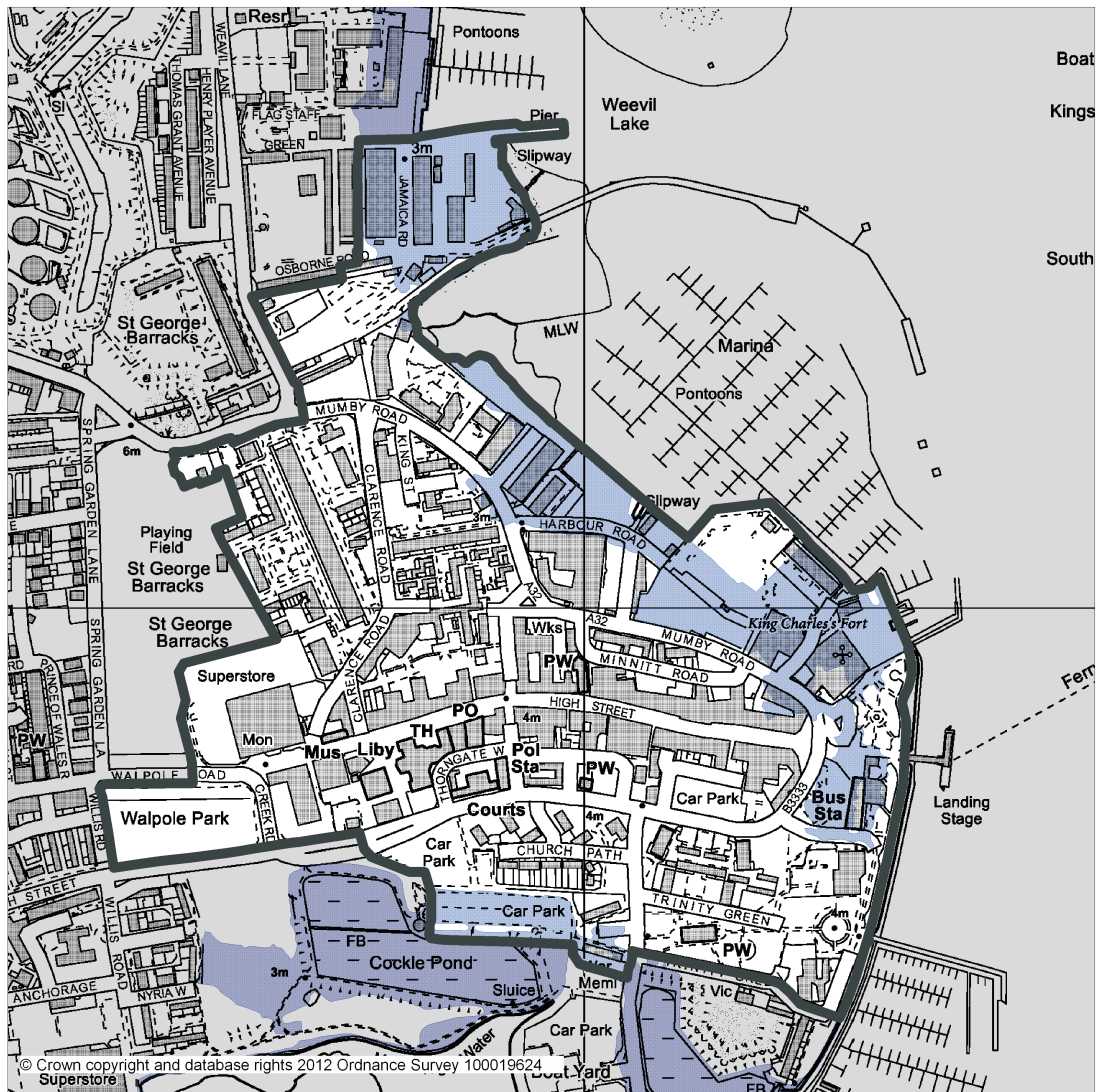


Regeneration Area Boundary

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Strategic Flood Risk Assessment



Current Environment Agency maps

Flood Zone 3



Flood Zone 3



Regeneration Area Boundary

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Strategic Flood Risk Assessment



Current Environment Agency maps

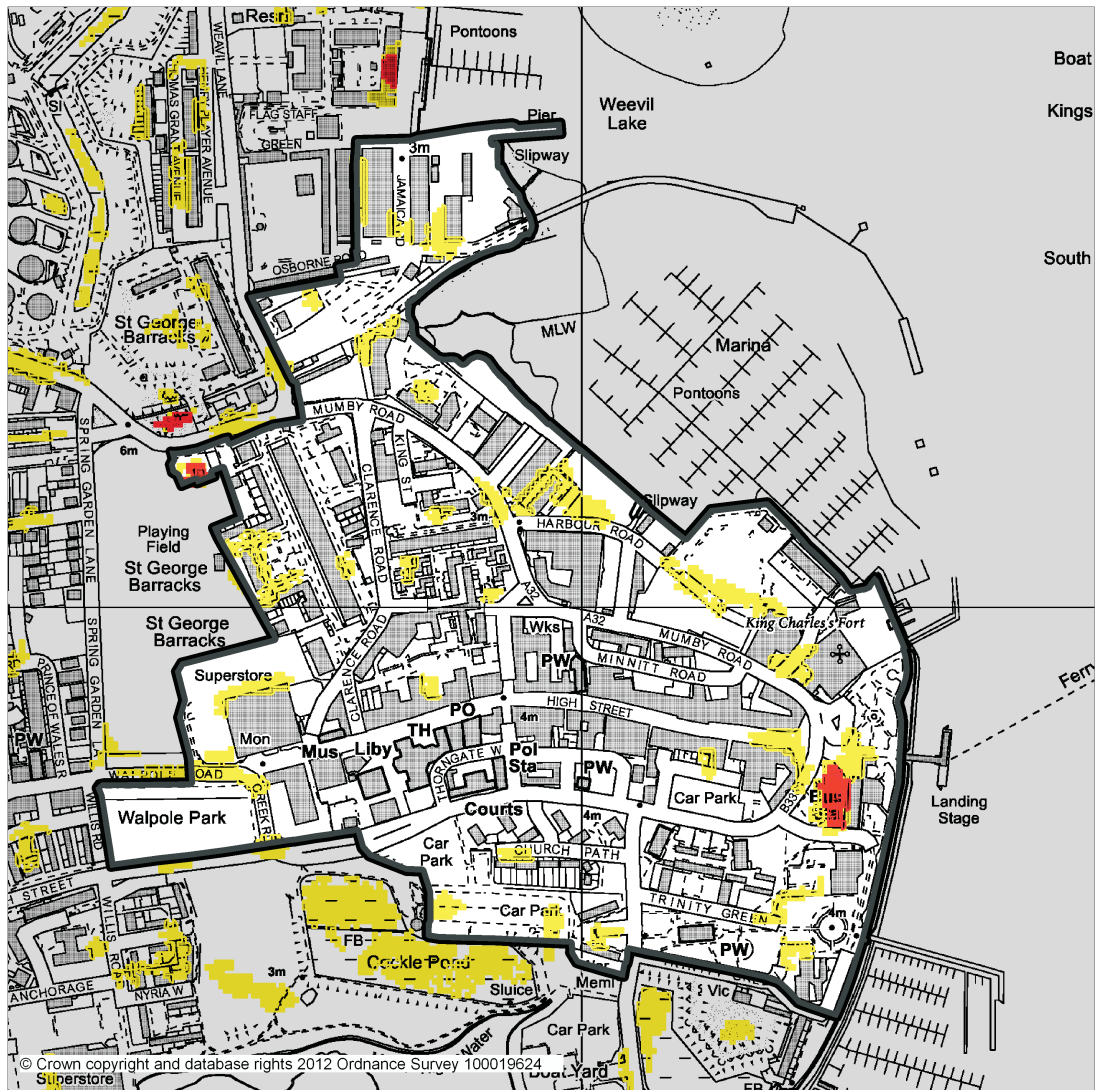
Surface Water Flooding - Pluvial

- Areas susceptible to Surface Water Flooding - Low
- Areas susceptible to Surface Water Flooding - Medium
- Areas susceptible to Surface Water Flooding - High
- Regeneration Area Boundary

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Strategic Flood Risk Assessment



Current Environment Agency maps

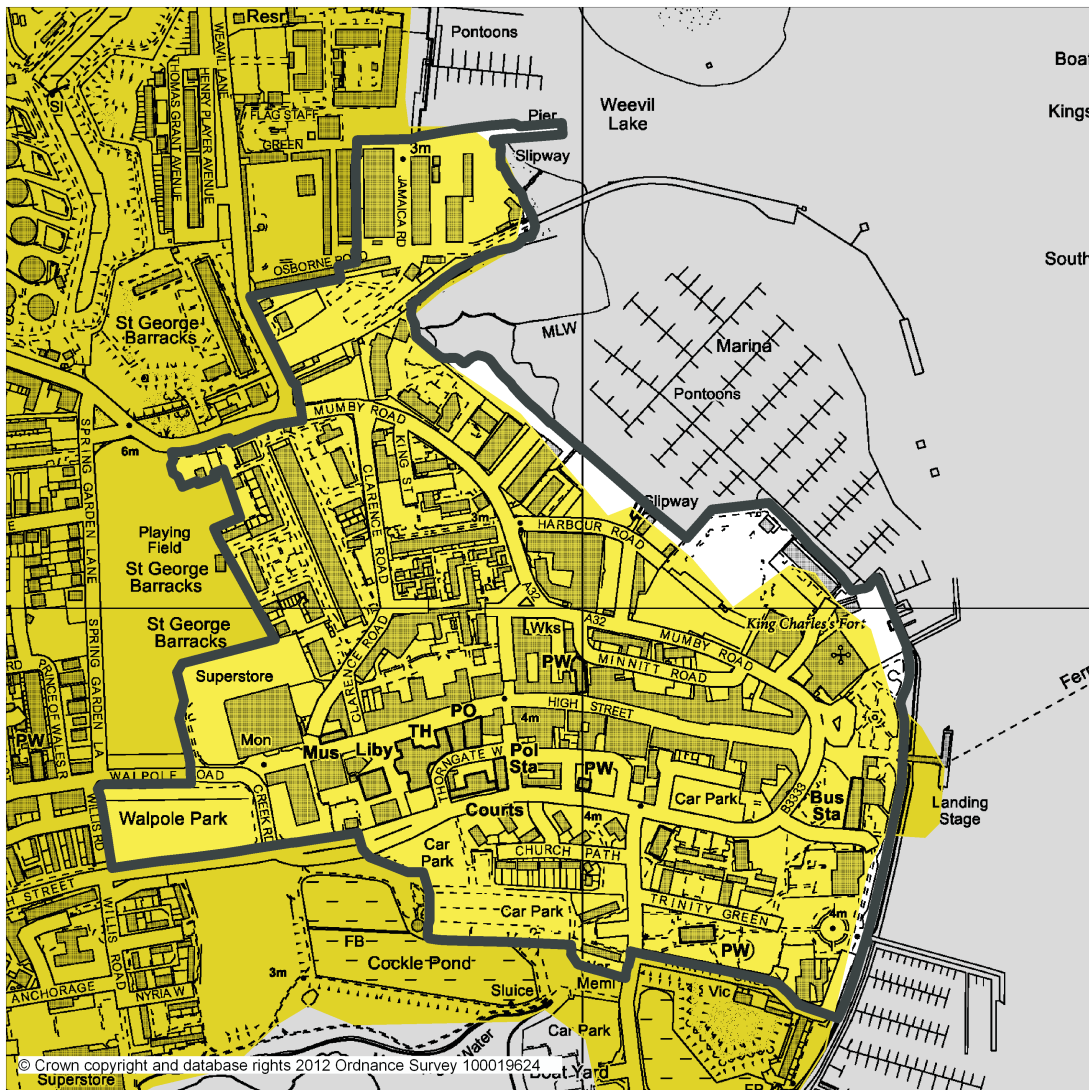
Flood Map for Surface Water

- Flood Map for Surface Water - Deep
- Flood Map for Surface Water
- Regeneration Area Boundary

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Current Environment Agency maps

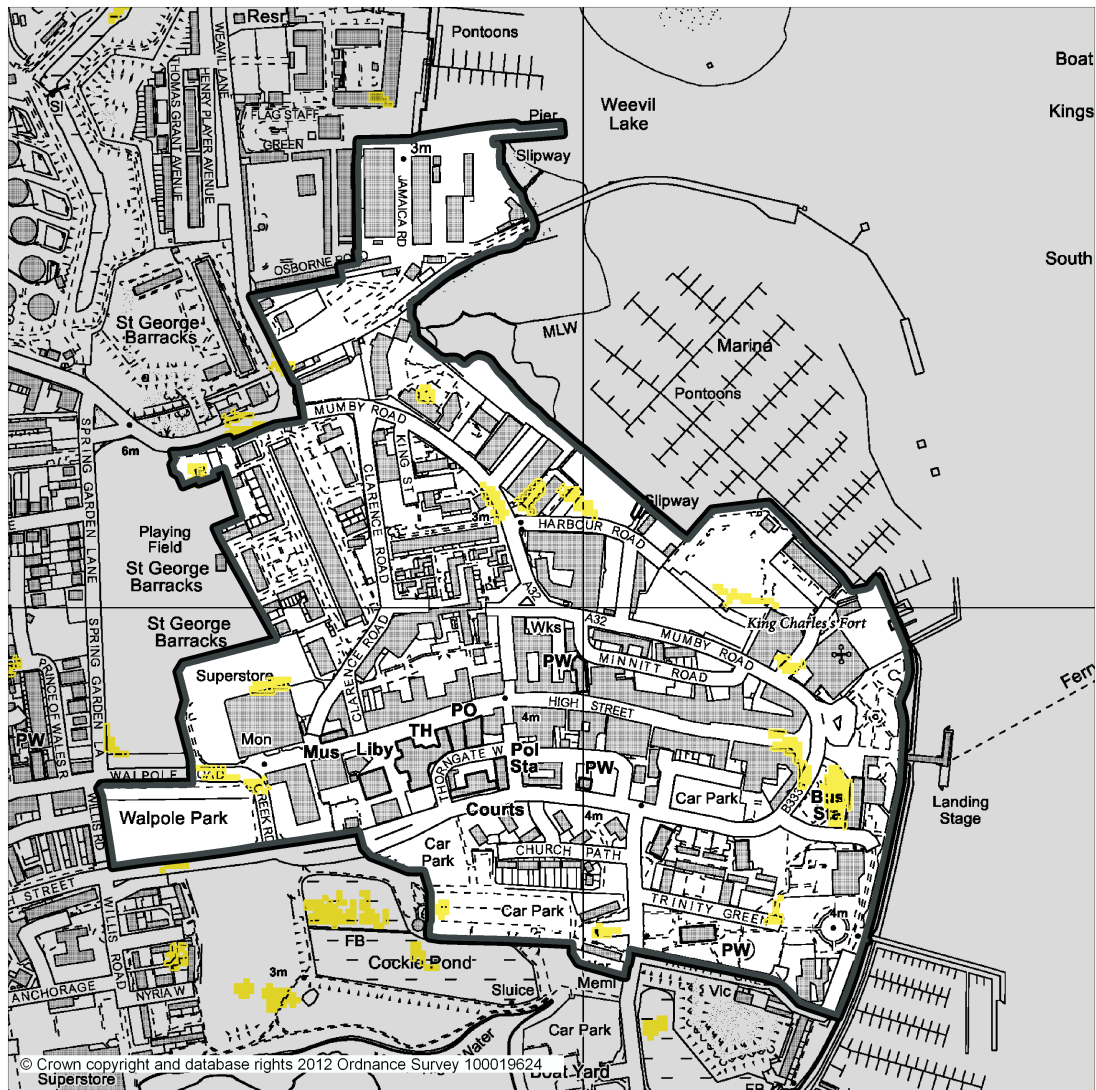
Groundwater Vulnerability Zones

- Major
- Minor
- Regeneration Area Boundary

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Strategic Flood Risk Assessment



Current Environment Agency maps

Surface Water Flood Map for 1 in 30 year rainfall

- Surface Water Flood Map for 1 in 30 year rainfall - Deep
- Surface Water Flood Map for 1 in 30 year rainfall - Shallow
- Regeneration Area Boundary

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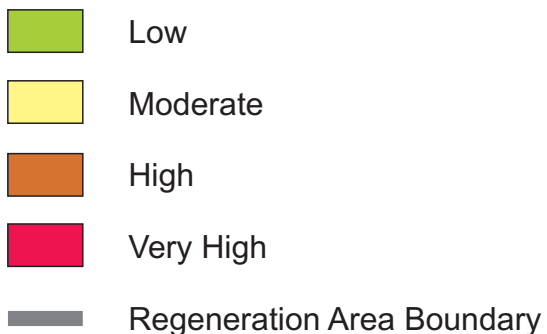
Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

1B - Hazard Map - Flood Zone 2 (undefended)



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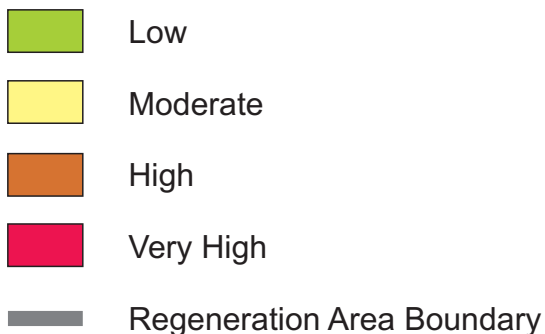
Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

1B - Hazard Map - Flood Zone 3 (undefended)



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Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

1C - Indicative areas benefiting from defences - Flood Zone 3

-  Frontages Protected from Tidal 0.5% Flood
-  Indicative Areas Benefiting from Defences (ABD)
-  Regeneration Area Boundary

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



Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

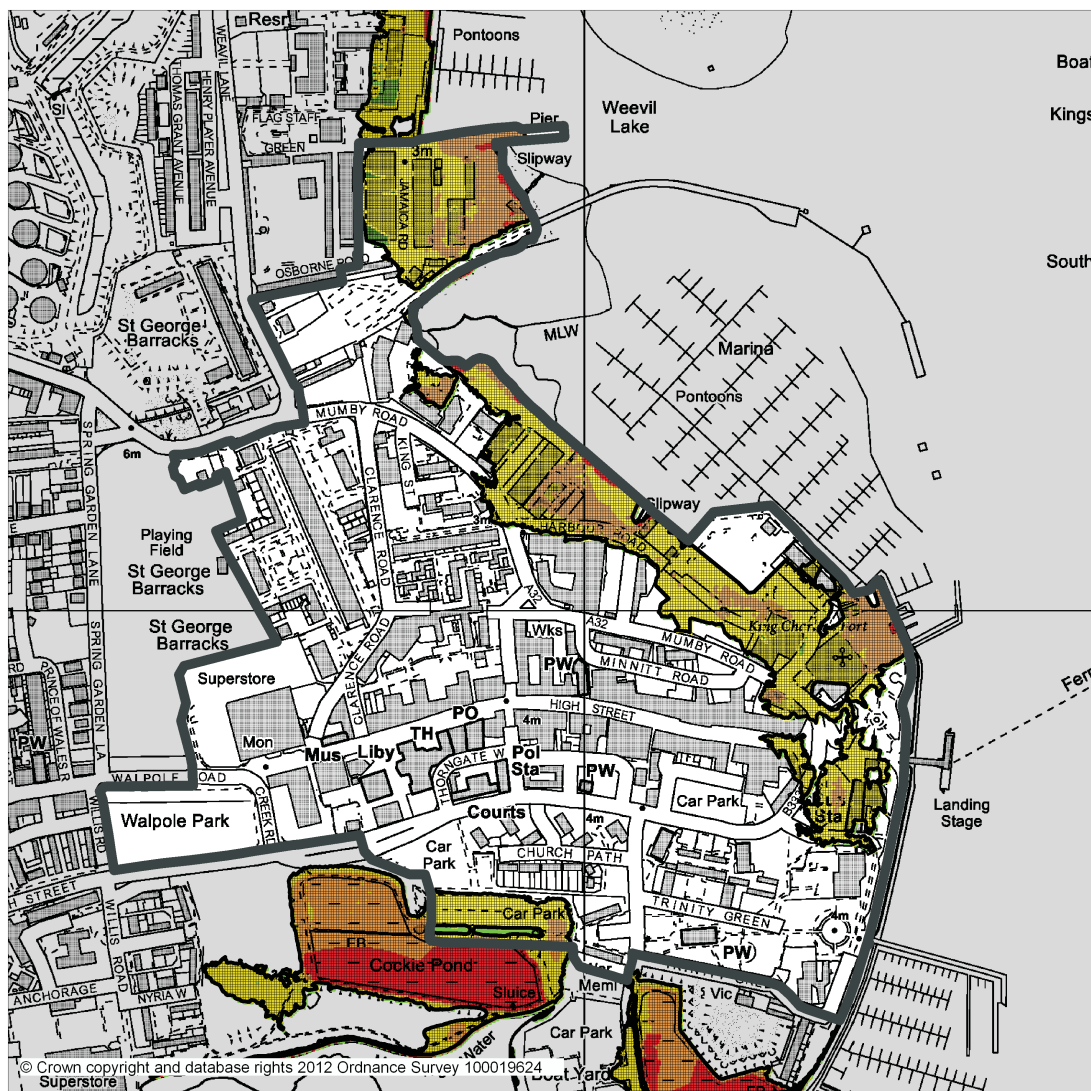
1D - Danger from Breaching - Flood Zone 2 (defended)

-  Breach Index not appropriate
-  Breach Danger - No Danger
-  Breach Danger - Danger for Some
-  Breach Danger - Danger for Most
-  Breach Danger - Danger for All
-  Regeneration Area Boundary

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





Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

1D - Danger from Breaching - Flood Zone 3 (defended)

-  Breach Index not appropriate
-  Breach Danger - No Danger
-  Breach Danger - Danger for Some
-  Breach Danger - Danger for Most
-  Breach Danger - Danger for All
-  Regeneration Area Boundary

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SFRA Map sets

Sequential test & supporting information

1E - Climate Change - Year 2115

- Tidal Flood Zone 2
- Tidal Zone Zone 3
- Fluvial Flood Zone 3
- Regeneration Area Boundary

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Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

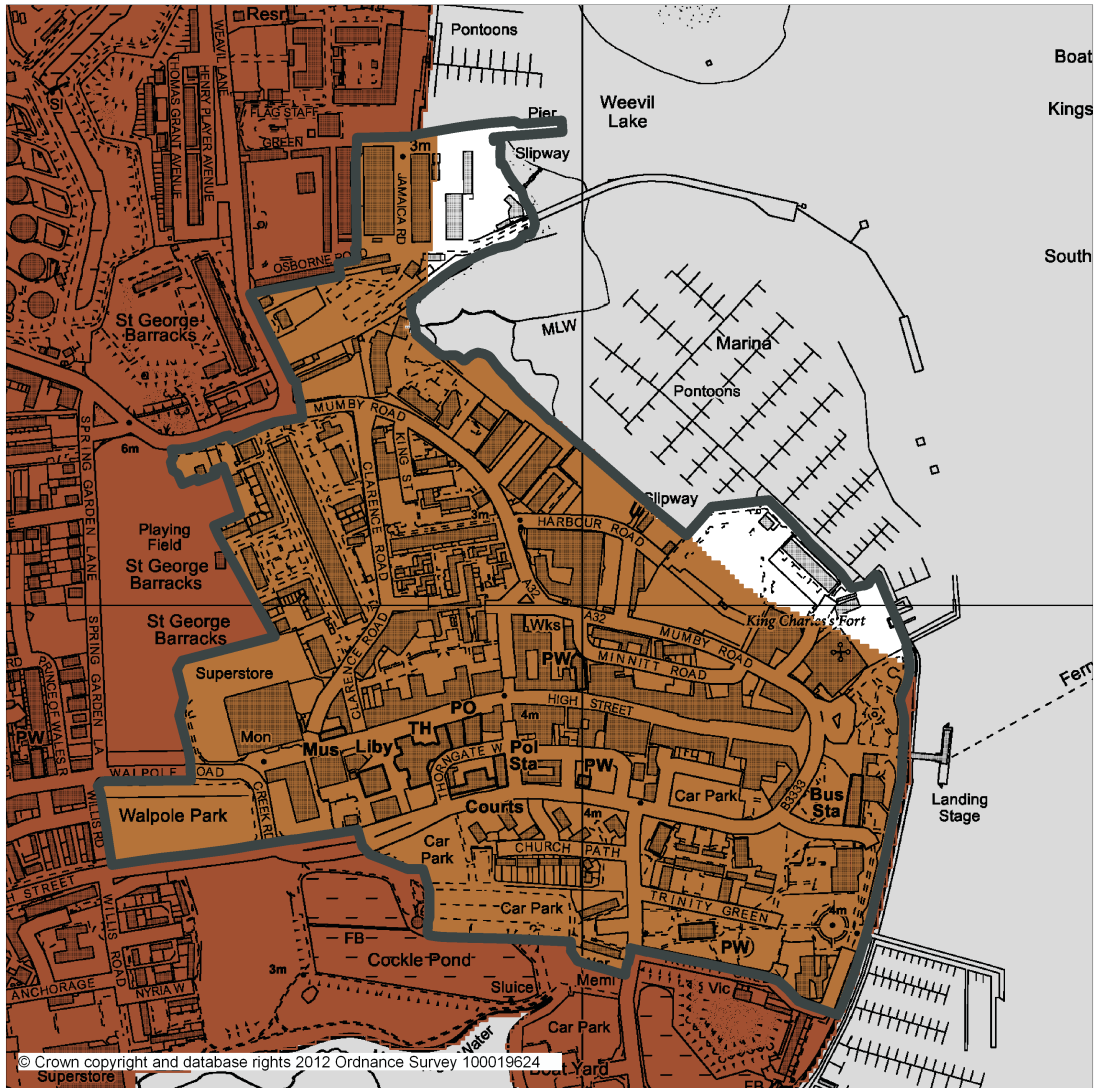
1F - Wave Energy

- Moderate Wave Energy Frontage
- Low Wave Energy Frontage
- Regeneration Area Boundary

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SFRA Map sets

Sequential test & supporting information

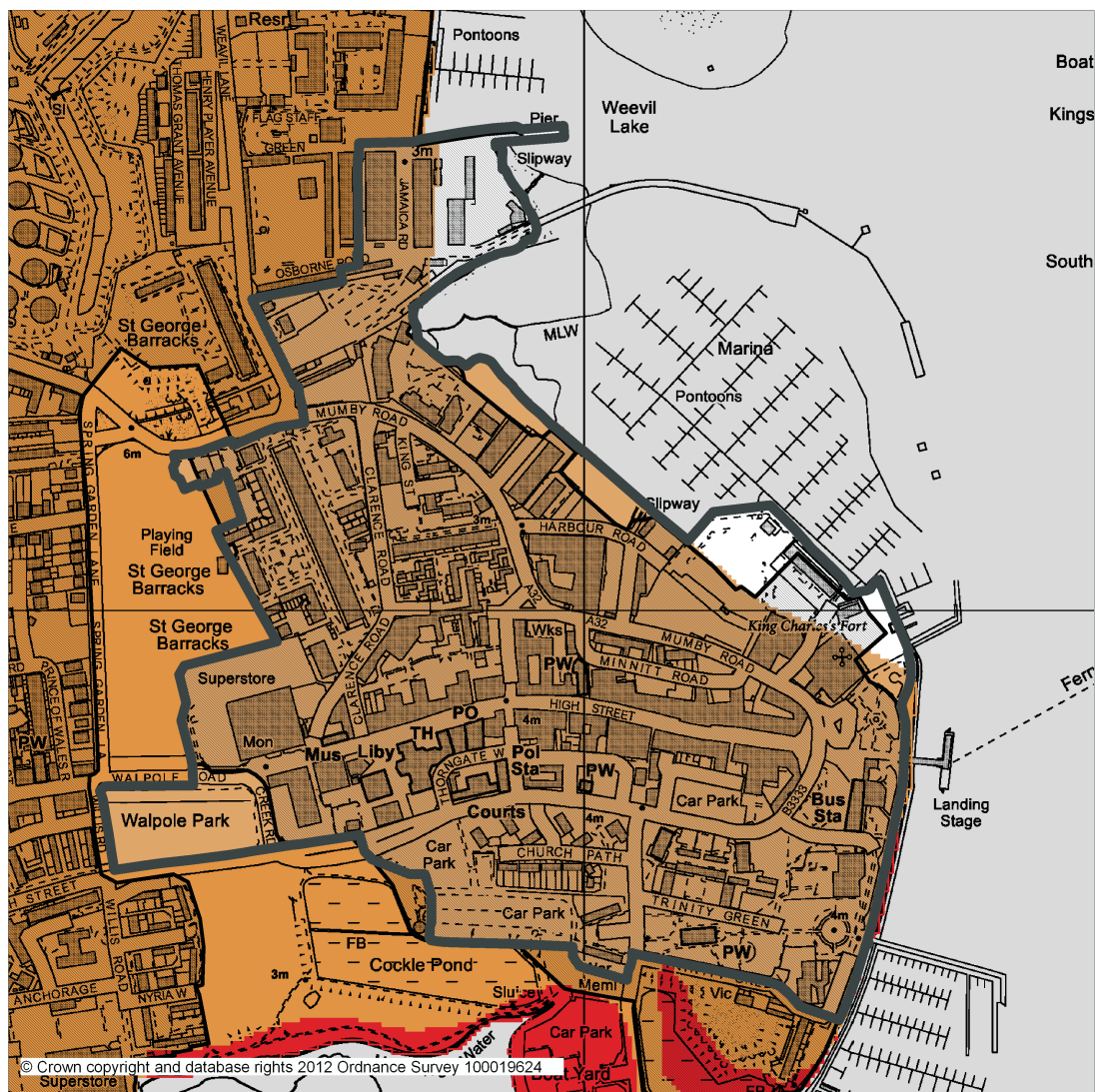
1F - Groundwater Flooding

- High Bedrock Permeability
- Moderate Bedrock Permeability
- Low Bedrock Permeability
- Regeneration Area Boundary

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




Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

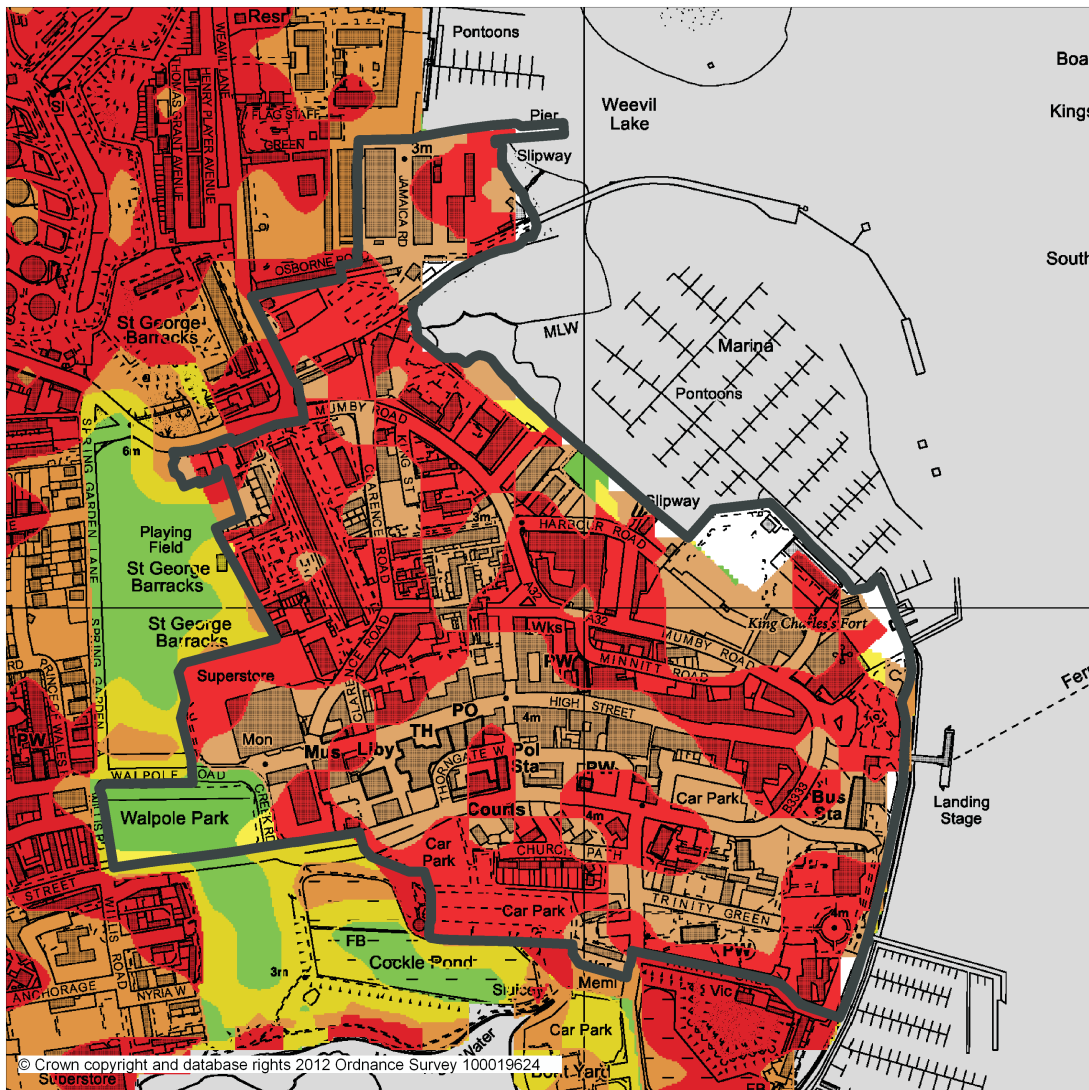
1F - Impact of Land Use Change

-  Developed Areas
-  Low Impact on Surface Water Runoff
-  Moderate Impact on Surface Water Runoff
-  High Impact on Surface Water Runoff
-  Regeneration Area Boundary

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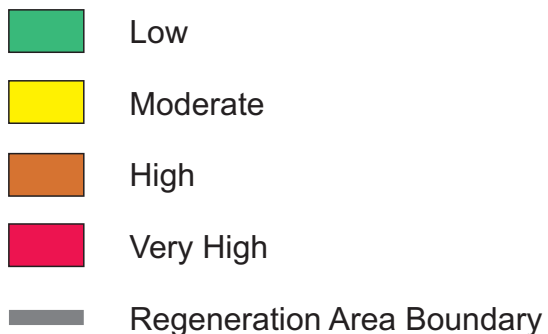
Strategic Flood Risk Assessment



SFRA Map sets

Sequential test & supporting information

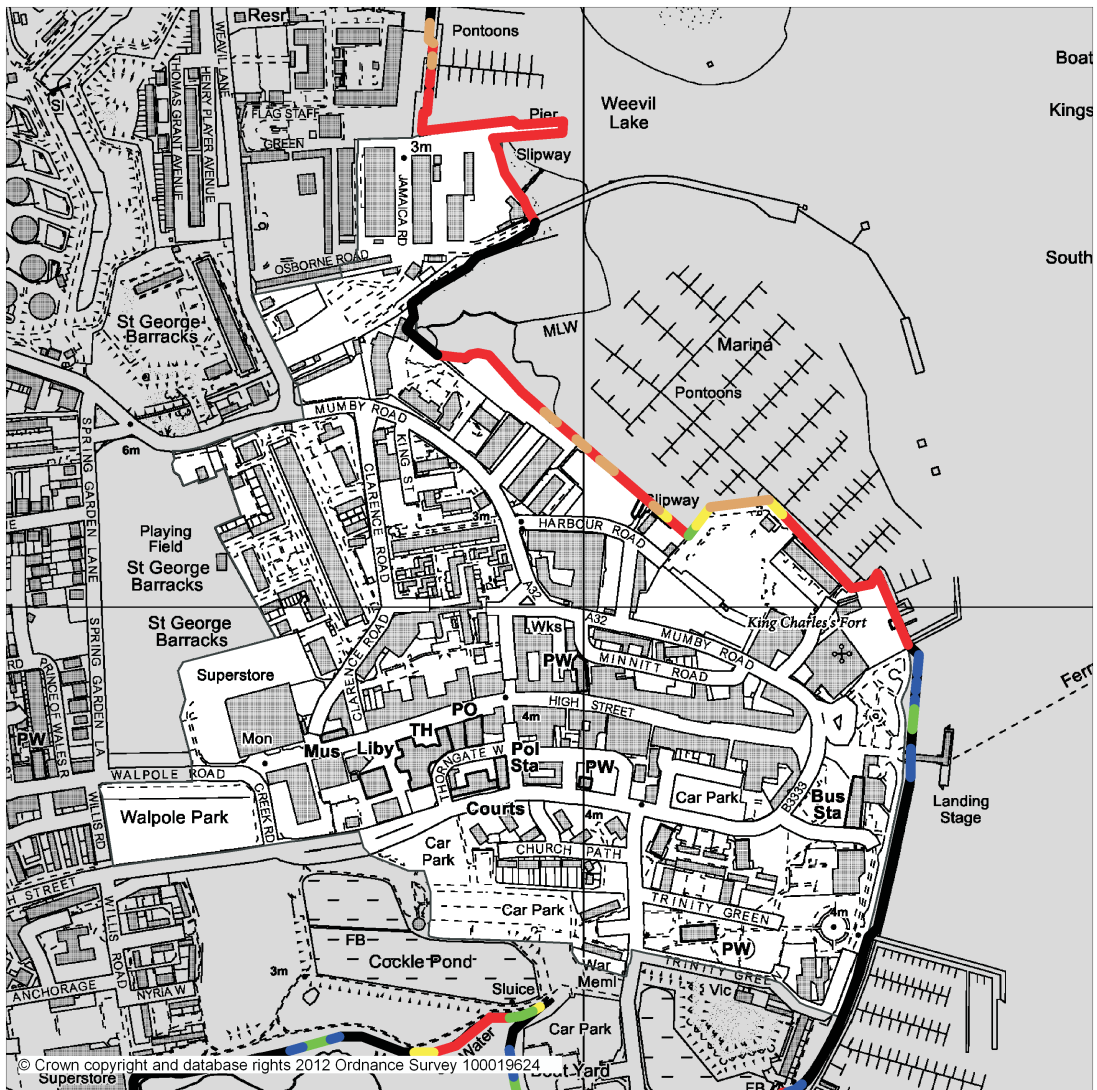
1F - Potential Sources of Overland Flow



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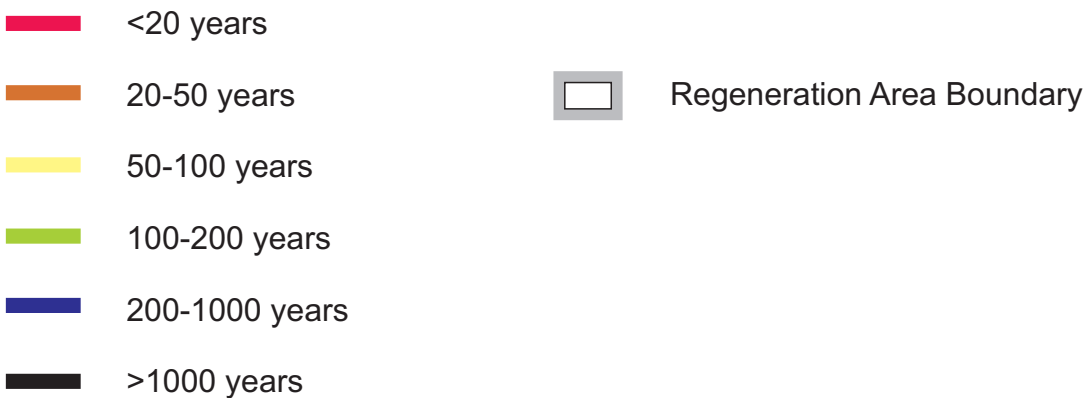
Strategic Flood Risk Assessment



SFRA Map sets

Defences and Associated Investment Indices

3A - Crest/Tide Level (present day)



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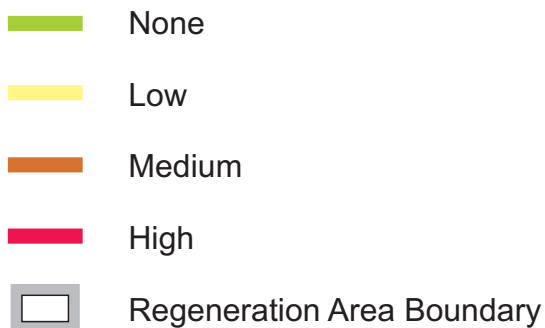
Strategic Flood Risk Assessment



SFRA Map sets

Defences and Associated Investment Indices

3B - Investment to provide a 200yr Crest/Tide Level (present day)



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Strategic Flood Risk Assessment



SFRA Map sets

Defences and Associated Investment Indices

3C - Crest/Tide Level (2115)



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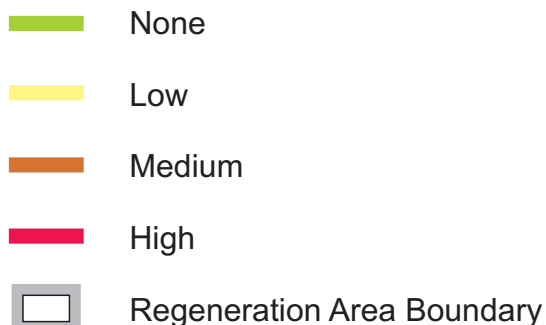
Strategic Flood Risk Assessment



SFRA Map sets

Defences and Associated Investment Indices

3D - Investment to provide a 200yr Crest/Tide Level (2115)



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