

Notes

The Environment Agency's Risk of Flooding from Surface Water (RoFSW) model is derived primarily from identifying topographical flow paths of existing watercourses or dry valleys that contain some isolated ponding locations in low lying areas. They provide a map which displays different levels of surface water flood risk depending on the annual probability of the land in question being inundated by surface water.

The results should not be used to understand flood risk for individual properties. The results should be used for high level assessments such as SFRAs for local authorities. If a particular site is indicated in the Environment Agency mapping to be at risk from surface water flooding, a more detailed assessment should be considered to more accurately illustrate the flood risk at a site-specific scale.

For the purpose of this study, JBA have uplifted the EA's RoFSW for the 20% and 40% climate change scenarios to assess future surface water flood risk within Maidstone.

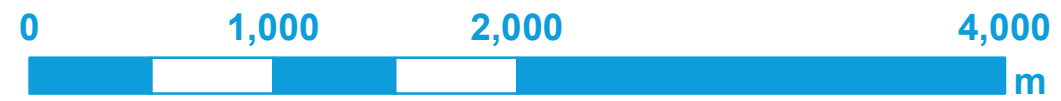
Key Plan



Legend

- Maidstone Borough Council boundary
- RoFSW 100-year extent
- RoFSW 100-year +20% climate change extent
- RoFSW 100-year +40% climate change extent

| REF | Date | Comments |
|-----|-----------|----------|
| A | June 2020 | - |
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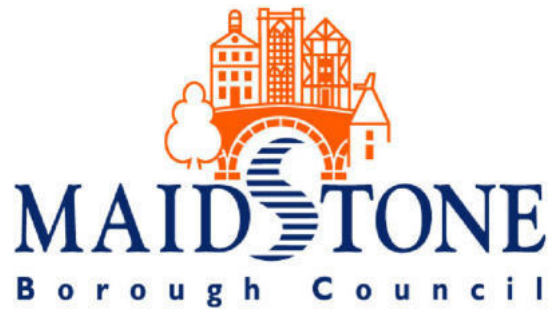


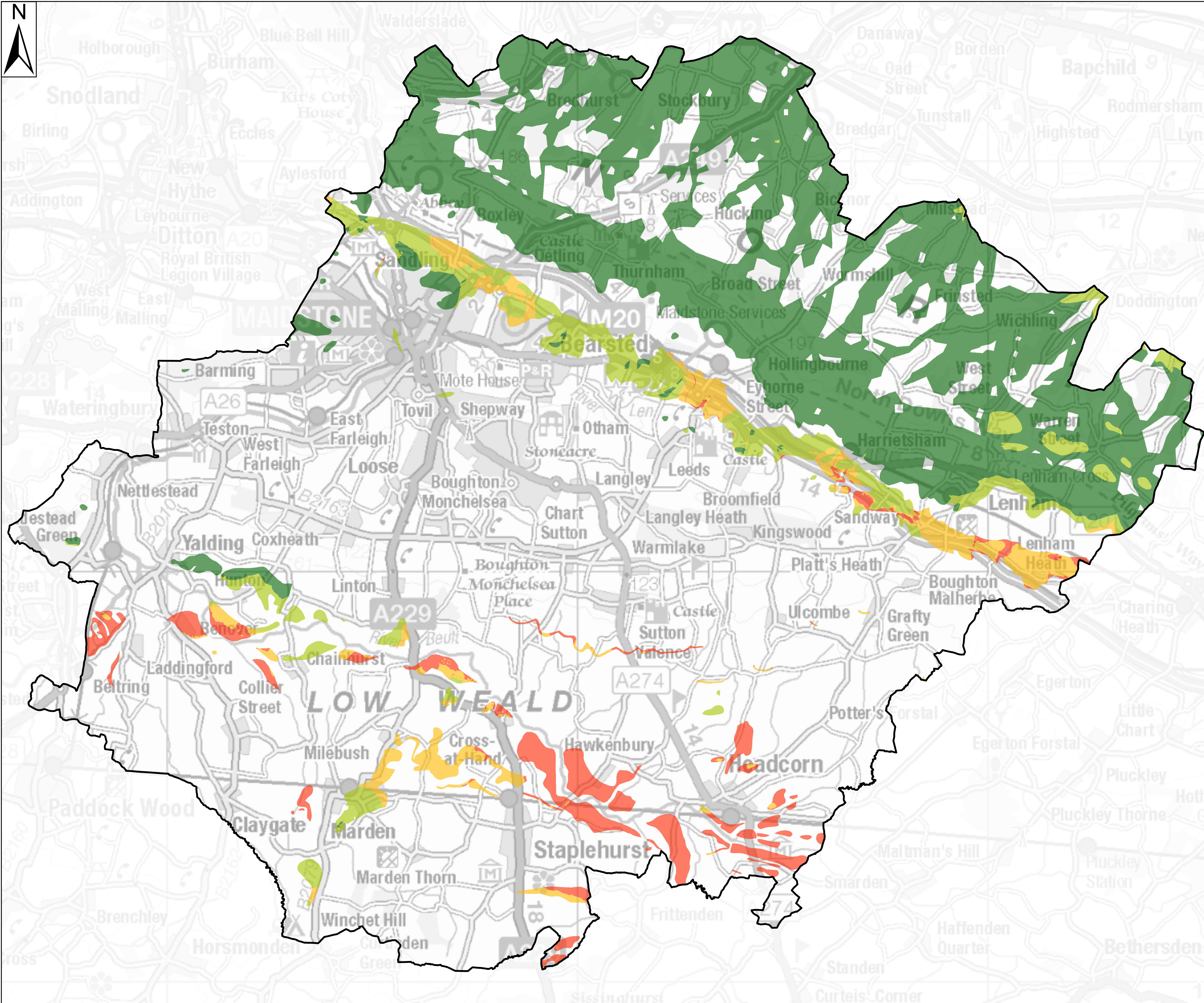
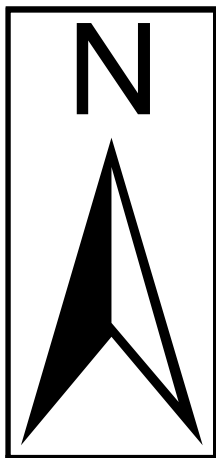
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MAIDSTONE BOROUGH COUNCIL

**SFRA: APPENDIX F
SURFACE WATER FLOOD RISK**

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Notes

JBA has developed a range of Groundwater Flood Map products at the national scale. It should be noted that the JBA Groundwater Flood Map is suitable for general broad-scale assessment of the groundwater flood hazard in an area, but is not explicitly designed for the assessment of flood hazard at the scale of a single property. In high risk area a site-specific risk assessment for groundwater flooding is recommended to fully inform the likelihood of flooding.

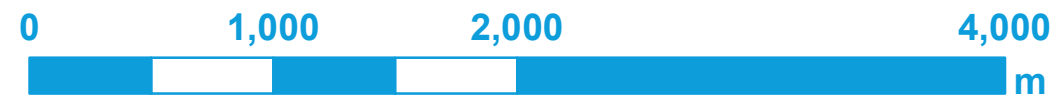
Key Plan



Legend

- Maidstone Borough Council boundary
- No risk.
- Groundwater levels are at least 5m below the ground surface.
- Groundwater levels are between 0.5m and 5m below the ground surface.
- Groundwater levels are between 0.025m and 0.5m below the ground surface.
- Groundwater levels are either at or very near (within 0.025m of) the ground surface.

| REF | Date | Comments |
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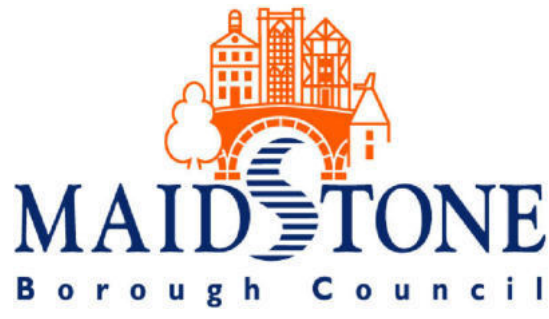


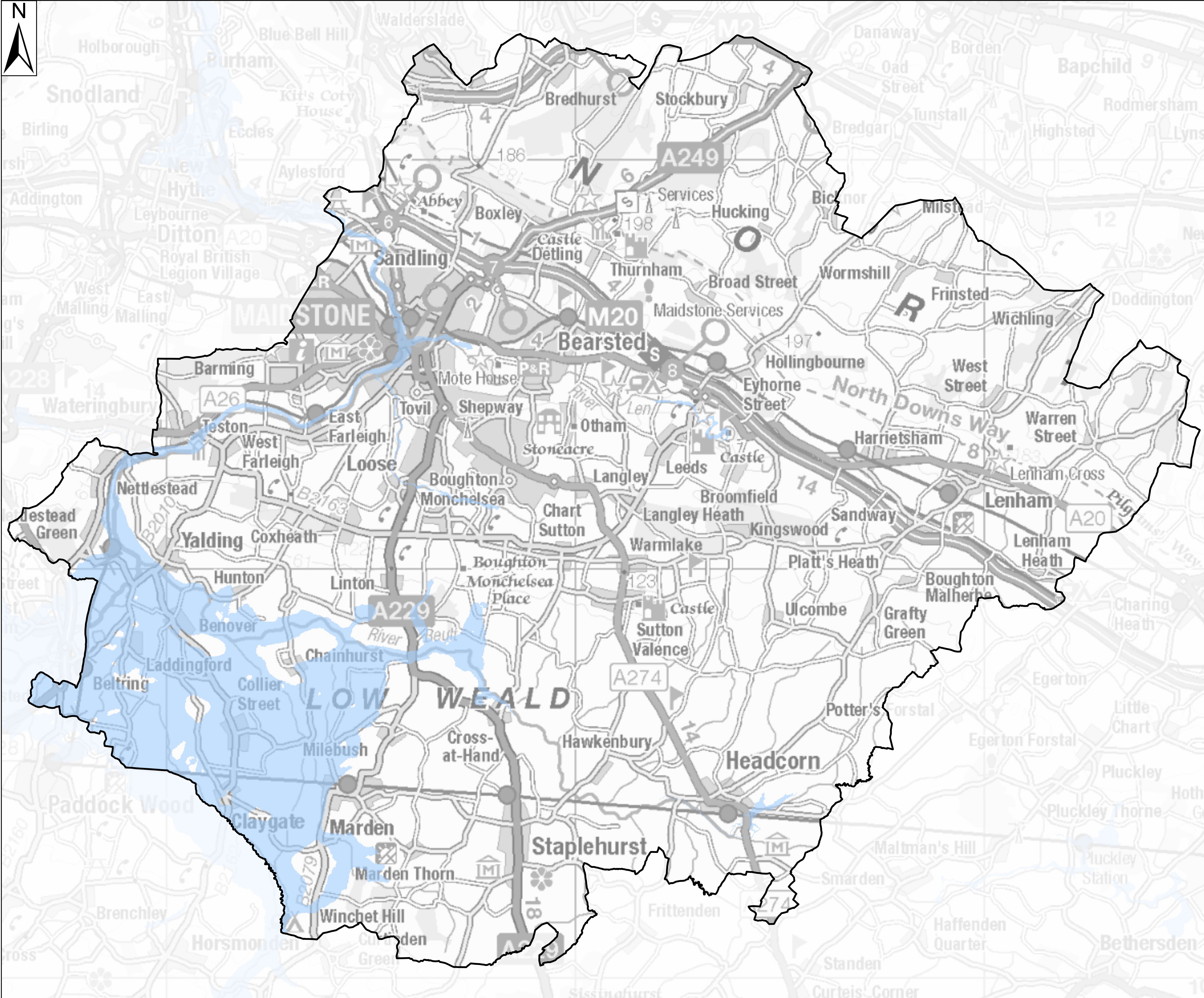
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SFRA: APPENDIX G
JBA GROUNDWATER FLOOD MAP

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Notes

The risk of inundation due to a reservoir breach or failure of reservoirs within the area has been mapped using the outlines available from the Risk of Flooding from Reservoirs dataset, made available by the Environment Agency. An Environment Agency programme for updating and improving this mapping is in progress and is due to be completed by 2020.

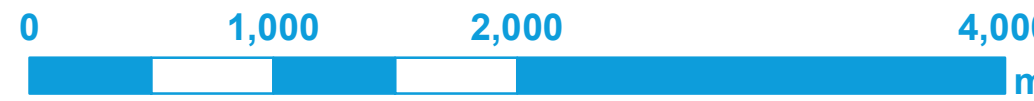
Key Plan



Legend

- Maidstone Borough Council boundary
- Risk of Flooding from Reservoirs

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RESERVOIR INUNDATION

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