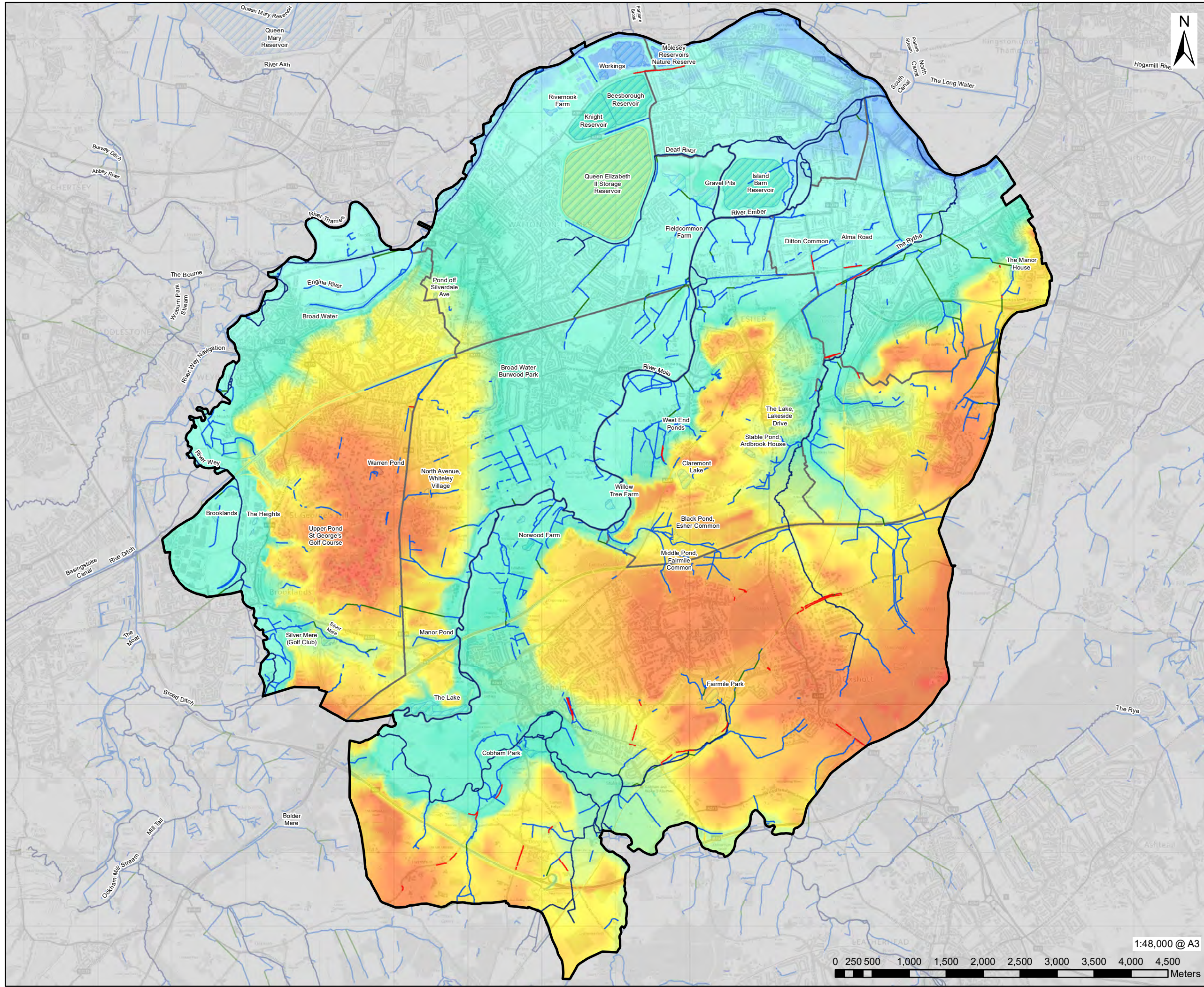


Level 1 SFRA - Appendix A



PROJECT
 Elmbridge Borough Council
 Level 1 Strategic Flood Risk
 Assessment

CLIENT
 Elmbridge Borough Council

CONSULTANT
 AECOM Limited
 Midpoint, Alencon Link,
 Basingstoke, Hampshire
 RG21 7PP
 www.aecom.com

- LEGEND**
- Elmbridge Borough Council Boundary
 - Settlement Areas
 - EA Main River
 - Open Ordinary Watercourses
 - Culverted Ordinary Watercourse
 - Surrey County Council Highways
 - Ditch
 - Surface Water Bodies

- LiDAR Topographic Survey (mAOD)**
- <5
 - 10
 - 20
 - 30
 - 50
 - 70
 - 80

NOTES

1: Light Detection and Ranging (LiDAR) is an airborne mapping technique which uses laser to measure the distance between the aircraft and the ground.

2: This dataset has a spatial resolution of 1m. The Environment Agency's LiDAR data archive contains digital elevation data derived from surveys carried out since 1998.

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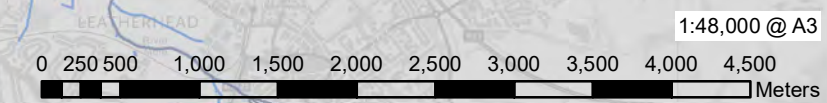
ISSUE PURPOSE

SFRA

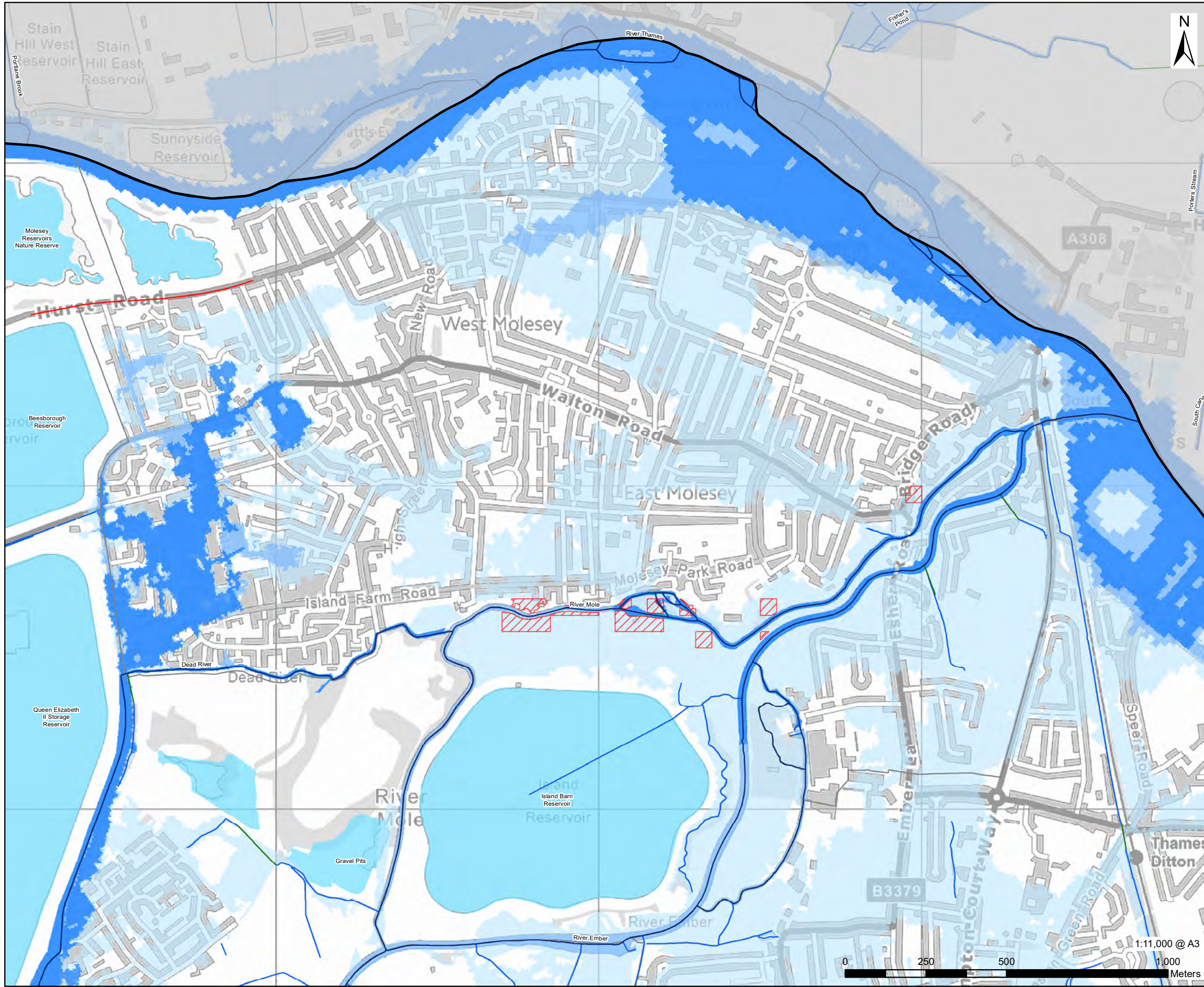
PROJECT NUMBER
 60565750

FIGURE TITLE
 Topography

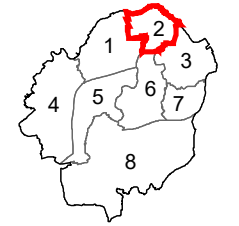
FIGURE NUMBER
 Figure 1



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SETTLEMENT AREAS



- LEGEND**
- Elmbridge Borough Council
 - Settlement
 - EA Main River
 - Open Ordinary Watercourses
 - Culverted Ordinary
 - Surrey County Council Highways
 - Surface Water Bodies
 - Flood Storage
 - Reduction In Risk of Flooding from Rivers and Sea due to Defences
- Flood Zones**
- Flood Zone 3b
 - Flood Zone 3a
 - Flood Zone 2

- NOTES**
- 1: This map shows the predicted likelihood of fluvial flooding based on the Environment Agency's Flood Map for Planning (Rivers and the Sea) and catchment modelling studies, which may be subject to revision in the future. The Flood Map for Planning is provided on the Environment Agency website (<https://flood-map-for-planning.service.gov.uk/>).
 - 2: The probability of fluvial flooding is divided into the following four categories: Flood Zone 1, Flood Zone 2, Flood Zone 3a and Flood Zone 3b. Refer to the SFRRA Report for further detail of the Flood Zones and how modelling studies have been used to define the extents of Flood Zone 3b.
 - 3: There are no EA Flood Storage Areas located within the Elmbridge Borough Boundary.
 - 4: This map is intended to provide a strategic overview of fluvial flood risk and should not be used to assess the flood risk for individual properties.

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PROJECT NUMBER

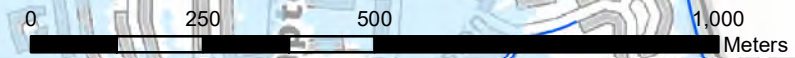
60565750

FIGURE TITLE

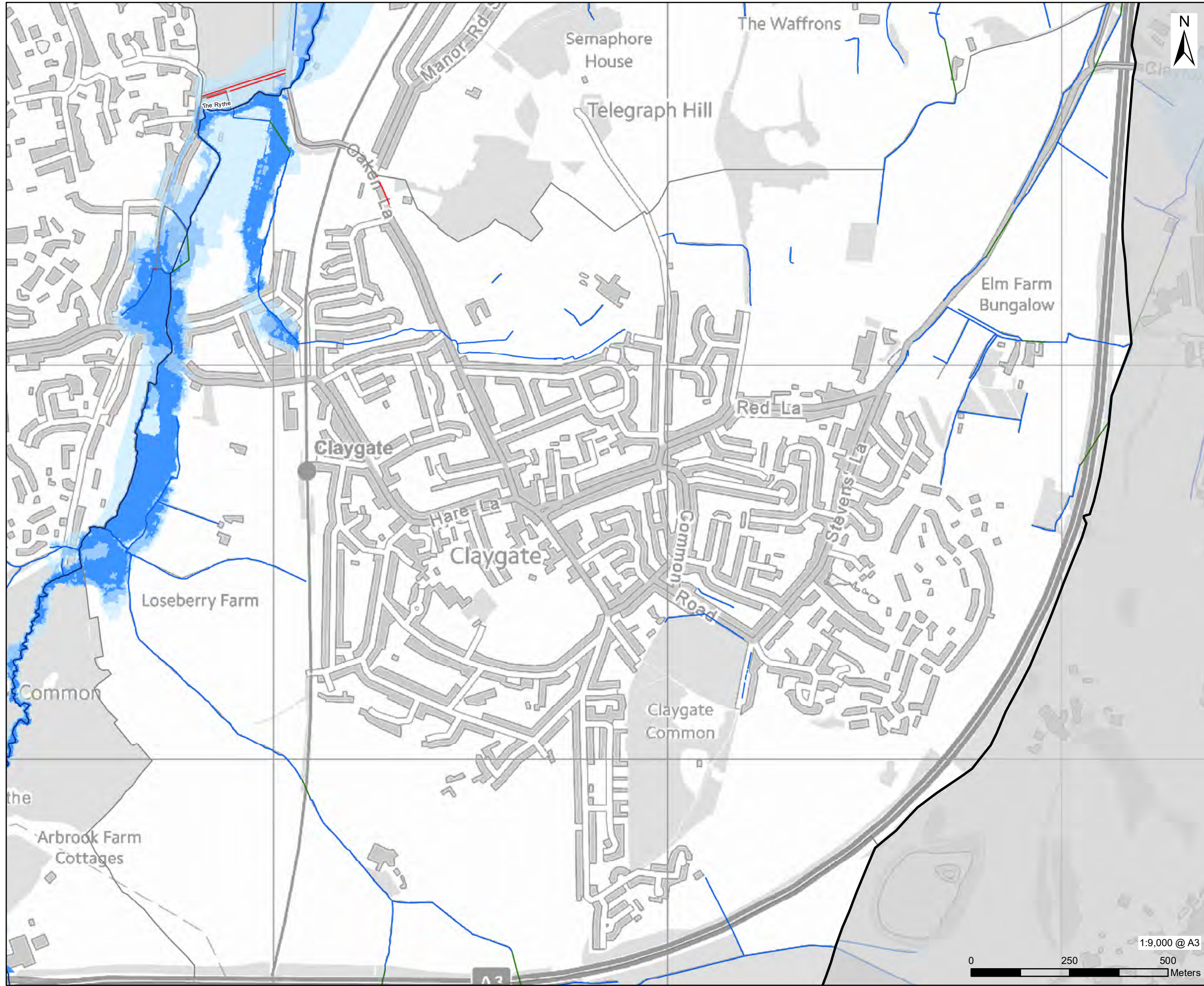
Flood Zones and Reduction in Risk of Flooding from Rivers and Sea due to Defences - East and West Molesey

FIGURE NUMBER

Figure 5-2



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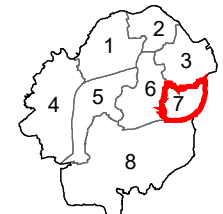


PROJECT
 Elmbridge Borough Council
 Level 1 Strategic Flood Risk
 Assessment

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SETTLEMENT AREAS



- LEGEND**
- Elmbridge Borough Council
 - Settlement
 - EA Main River
 - Open Ordinary Watercourses
 - Culverted Ordinary
 - Surrey County Council Highways
 - Surface Water Bodies
 - Flood Storage
 - Reduction In Risk of Flooding from Rivers and Sea due to Defences

- Flood Zones**
- Flood Zone 3b
 - Flood Zone 3a
 - Flood Zone 2

- NOTES**
- 1: This map shows the predicted likelihood of fluvial flooding based on the Environment Agency's Flood Map for Planning (Rivers and the Sea) and catchment modelling studies, which may be subject to revision in the future. The Flood Map for Planning is provided on the Environment Agency website (<https://flood-map-for-planning.service.gov.uk/>).
 - 2: The probability of fluvial flooding is divided into the following four categories: Flood Zone 1, Flood Zone 2, Flood Zone 3a and Flood Zone 3b. Refer to the SFRRA Report for further detail of the Flood Zones and how modelling studies have been used to define the extents of Flood Zone 3b.
 - 3: There are no EA Flood Storage Areas located within the Elmbridge Borough Boundary.
 - 4: This map is intended to provide a strategic overview of fluvial flood risk and should not be used to assess the flood risk for individual properties.

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PROJECT NUMBER

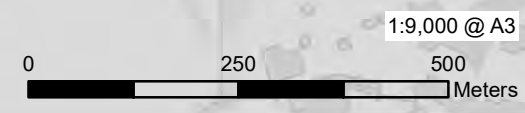
60565750

FIGURE TITLE

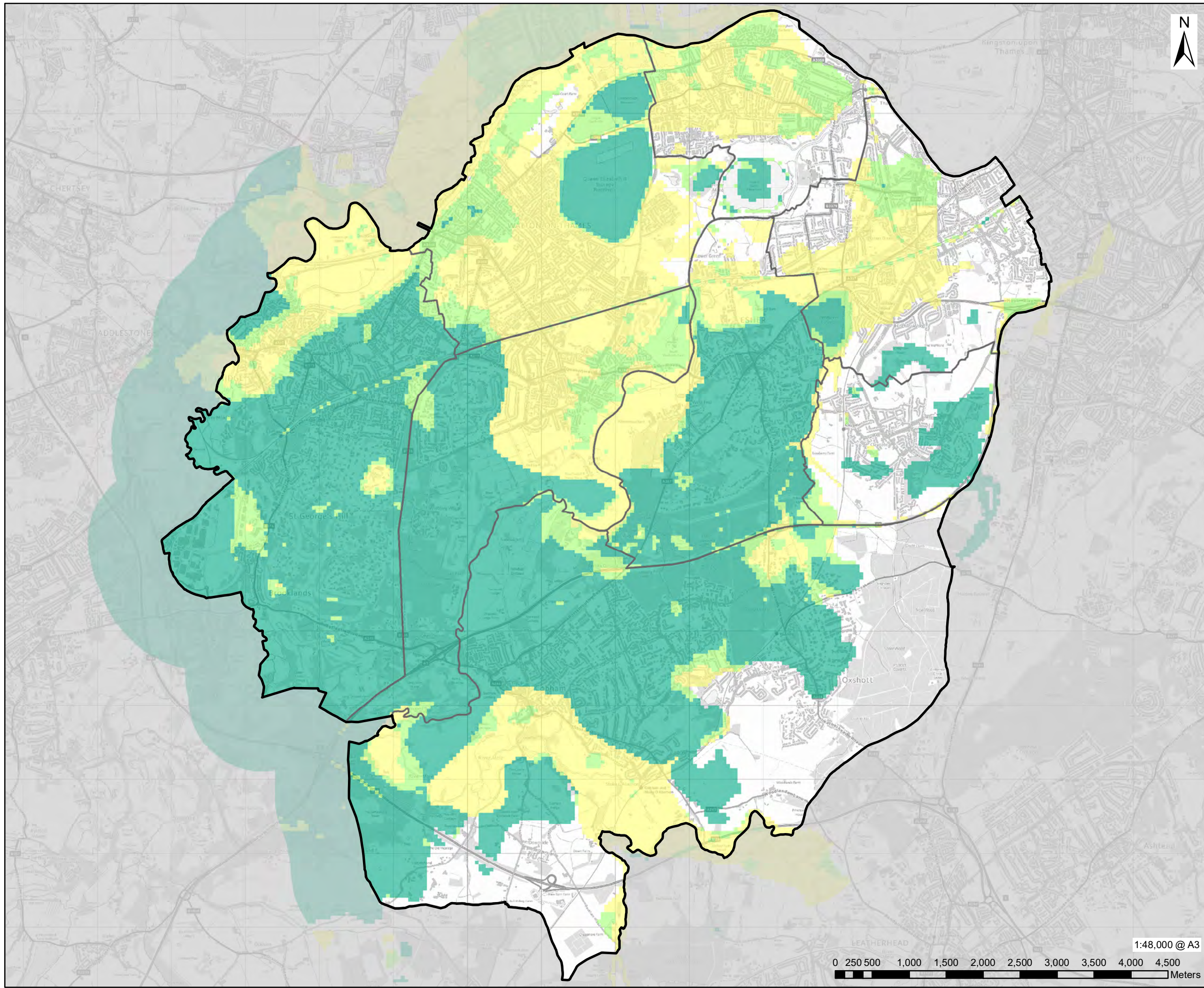
Flood Zones and Reduction in Risk of Flooding from Rivers and Sea due to Defences - Claygate

FIGURE NUMBER

Figure 5-7



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- LEGEND**
- Elmbridge Borough Council Boundary
 - Settlement Areas
 - Susceptibility to Groundwater Flooding**
 - Limited potential for groundwater flooding to occur
 - Potential for groundwater flooding of property situated below ground level
 - Potential for groundwater flooding to occur at surface

- NOTES**
- 1: The BGS Susceptibility to Groundwater Flooding dataset identifies areas where geological conditions could enable groundwater flooding to occur and where groundwater may come close to the surface.
 - 2: The dataset is based on geological and hydrogeological information and is mapped to a 1:50,000 scale.
 - 3: The geological interpretation should only be used as a guide to the geology at a local level, not as a site specific geological plan based on detailed site investigations.
 - 4: Refer to the SFRA Report for further information on groundwater flooding.
 - 6: This map is intended to provide a strategic overview of susceptibility to groundwater flooding and should not be used to assess flood risk for individual properties.

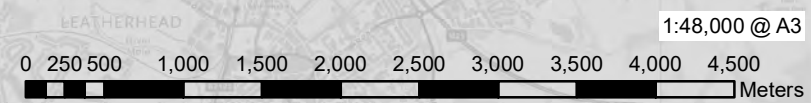
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ISSUE PURPOSE
 SFRA

PROJECT NUMBER
 60565750

FIGURE TITLE
 Susceptibility to Groundwater Flooding

FIGURE NUMBER
 Figure 11



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