

TITLE

RECORDS OF HISTORIC FLOODING

Medway Council
Strategic Flood Risk Assessment

- LEGEND**
- Medway Administrative Boundary
 - EA Historic Flood Extents
 - River
 - Sea
 - Sewer
 - Surface Water
 - Unknown

DETAILS

These historic flood records are a combination of data from remote sensing, ground surveys and staff observations provided by Medway Council and the Environment Agency in 2020. Validated third party data and anecdotal evidence are also included. The datasets used may have been designed to be viewed at a range of map scales, and therefore this map is not intended to be viewed at a site-specific scale. These records are the best available at the time of collation, but should not be considered comprehensive. An area without a flood outline does not necessarily imply that there is no risk of flooding. Queries with regard to the recorded flood extents should be directed to the Environment Agency.

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2	2nd issue	13-05-2025
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Medway Council

PROJECT

Medway Council Strategic Flood Risk Assessment

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DRAWING No.

Appendix A.1



TITLE
WATERCOURSES & DEFENCE INFRASTRUCTURE

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Administrative Boundary

Flood Defences

Main River

DETAILS
A number of datasets have been used in the derivation of the mapped extents. The datasets used may have been designed to be viewed at a range of map scales, and therefore this map is not intended to be viewed at a site-specific scale. However, due to the methods used in deriving these extents, a more accurate assessment of the distance from a watercourse/defences may be required by the Environment Agency.

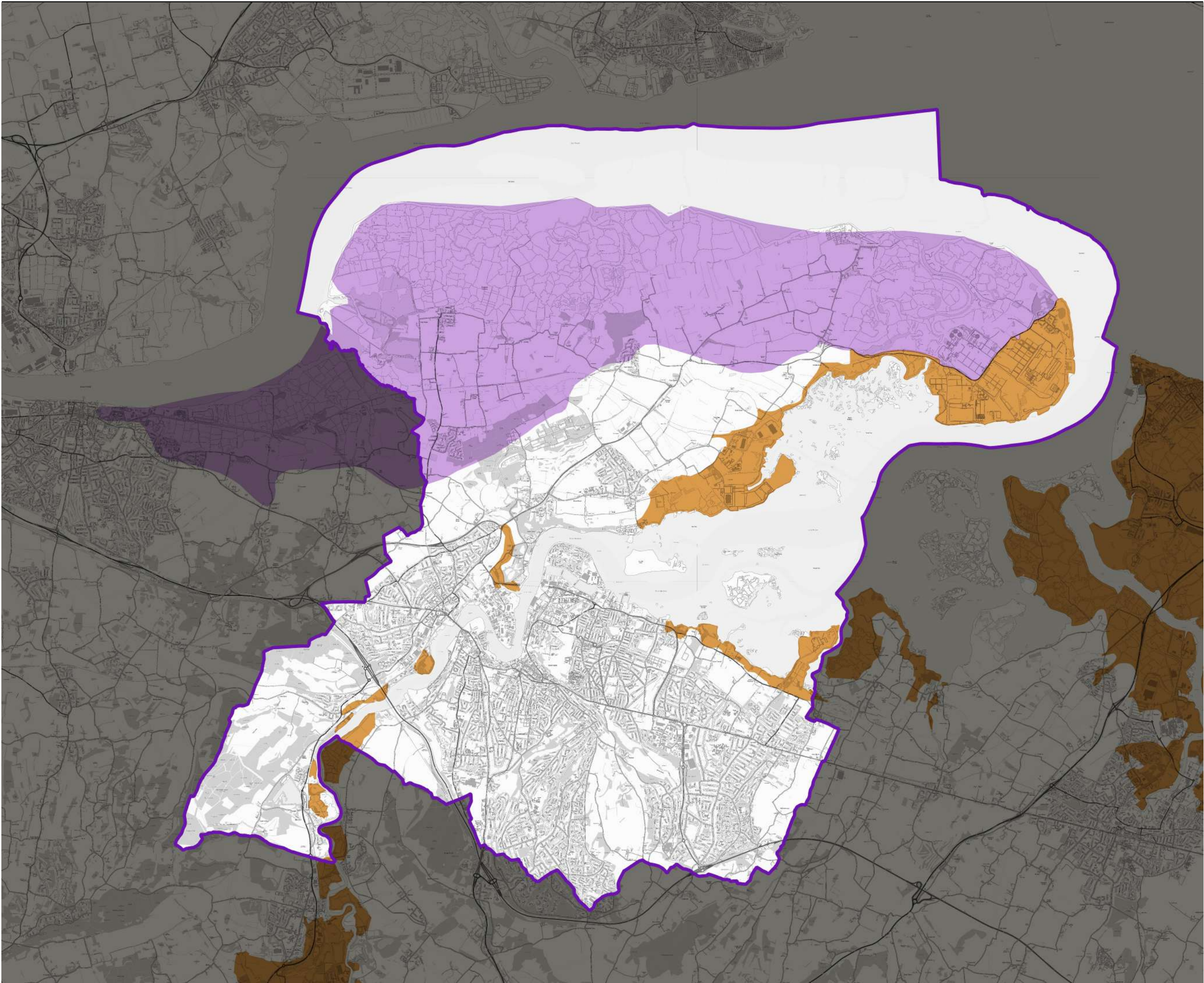
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Appendix A.2		



TITLE

ADMINISTRATIVE BOUNDARIES

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Administrative Boundary (LLFA)

North Kent Marshes IDB

Lower Medway IDB

DETAILS

The datasets used may have been designed to be viewed at a range of map scales, and therefore this map is not intended to be viewed at a site-specific scale. The information presented is the best available at the time of collation, but should not be considered comprehensive.

Queries with regard to the administrative boundaries should be directed to the LPA.

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Medway Council

PROJECT

Medway Council Strategic Flood Risk Assessment

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1:84816 @ A3

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1866

INITIALS

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DRAWING No.

Appendix A.3



TITLE

POTENTIAL RISK OF FLOODING
(CLIMATE CHANGE - UNDEFENDED)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Adminstrative Boundary

Rivers and Sea
(1 in 100 year and
1 in 200 year)

Surface Water
(1 in 1000 year)

DETAILS

The data for rivers and sea is based on available mapping provided by the Environment Agency as part of the 'Flood Map for Planning' Climate Change Extents. The mapping shows the undefended extents. The climate change allowances applied as part of generating the mapping are based on the following;

- 'Central' allowance for the 2080s epoch (2070-2125) for risk of flooding from rivers; and
- 'Upper End' allowance for risk of flooding from the sea, accounting for cumulative sea level rise to 2125.

The data for surface water is based on available mapping provided by the Environment Agency as part of the 'Risk of Flooding from Surface Water' Climate Change mapping. The climate change allowances applied is the 'Central' allowance for the 2050s epoch i.e., up to a future year 2060. Most development types have a longer anticipated lifetime and therefore, the maps show a conservative scenario whereby the 1 in 1000 year extent has been used. This is likely to overestimate the risk of flooding from this source and therefore, a pragmatic approach should be adopted when using the maps to determine the risk of flooding from surface water at a site. It may be necessary to undertake a Flood Risk Assessment to determine the risk more accurately.

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Medway Council

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Medway Council Strategic Flood Risk Assessment

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1:71228 @ A3

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1866

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Appendix A.4



TITLE

POTENTIAL RISK OF FLOODING
(CURRENT DAY - UNDEFENDED)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Administrative Boundary

Flood Zone 2

Flood Zone 3

1 in 100 Year Return Period Event (Surface Water)

DETAILS

This mapping presents the current day predicted extent of flooding during the undefended scenario based on the EA's 'Flood Map for Planning' and 'Risk of Flooding from Surface Water' maps.

The Flood Zones are based on the Environment Agency's 'Flood Map for Planning' Flood Zones. They are a composite dataset consisting of national and local model data, as well as information from past floods. As such, the extents are meant for strategic purposes only where a more detailed review of flood risk may be required.

This map is intended for the purposes of applying the Sequential Test.

The EA's 'Risk of Flooding from Reservoirs' has been considered as part of this mapping. However, the extent does not exceed the Flood Zones extent.

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Medway Council Strategic Flood Risk Assessment

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1:71153 @ A3

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1866

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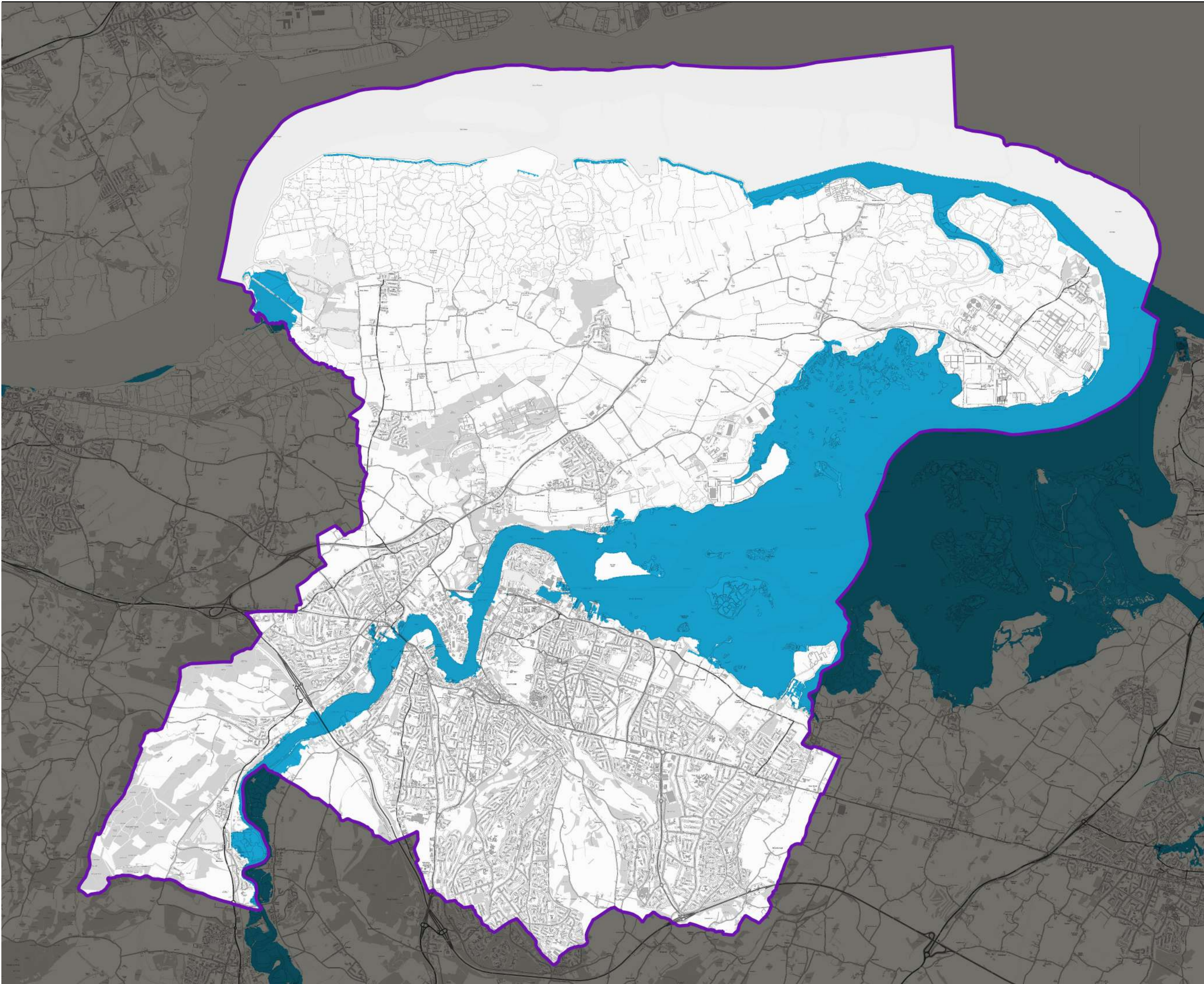
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Appendix A.4



TITLE

FUNCTIONAL FLOODPLAIN
(FLOOD ZONE 3B)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Administrative
Boundary

Functional Floodplain
(Flood Zone 3b)

DETAILS

The extents shown are based on the results of modelling of the North Kent Coast (Domains 1 and 2) undertaken by the Environment Agency. These maps have been provided in accordance with the National Planning Policy Framework (NPPF). Because the information is indicative rather than specific, Local Planning Authorities will need to consult the Environment Agency on individual planning applications. Users should note that floodplain extents are mapped at 1:10,000 scale, as appropriate to the level of investigation and are based on information available at the time of survey. Amendments will be required in future to account for information available at the time of survey. Amendments will be required in future to account for information gathered subsequently e.g. changes in hydrological river response or observations following flood events. When in doubt, the Environment Agency should be consulted.

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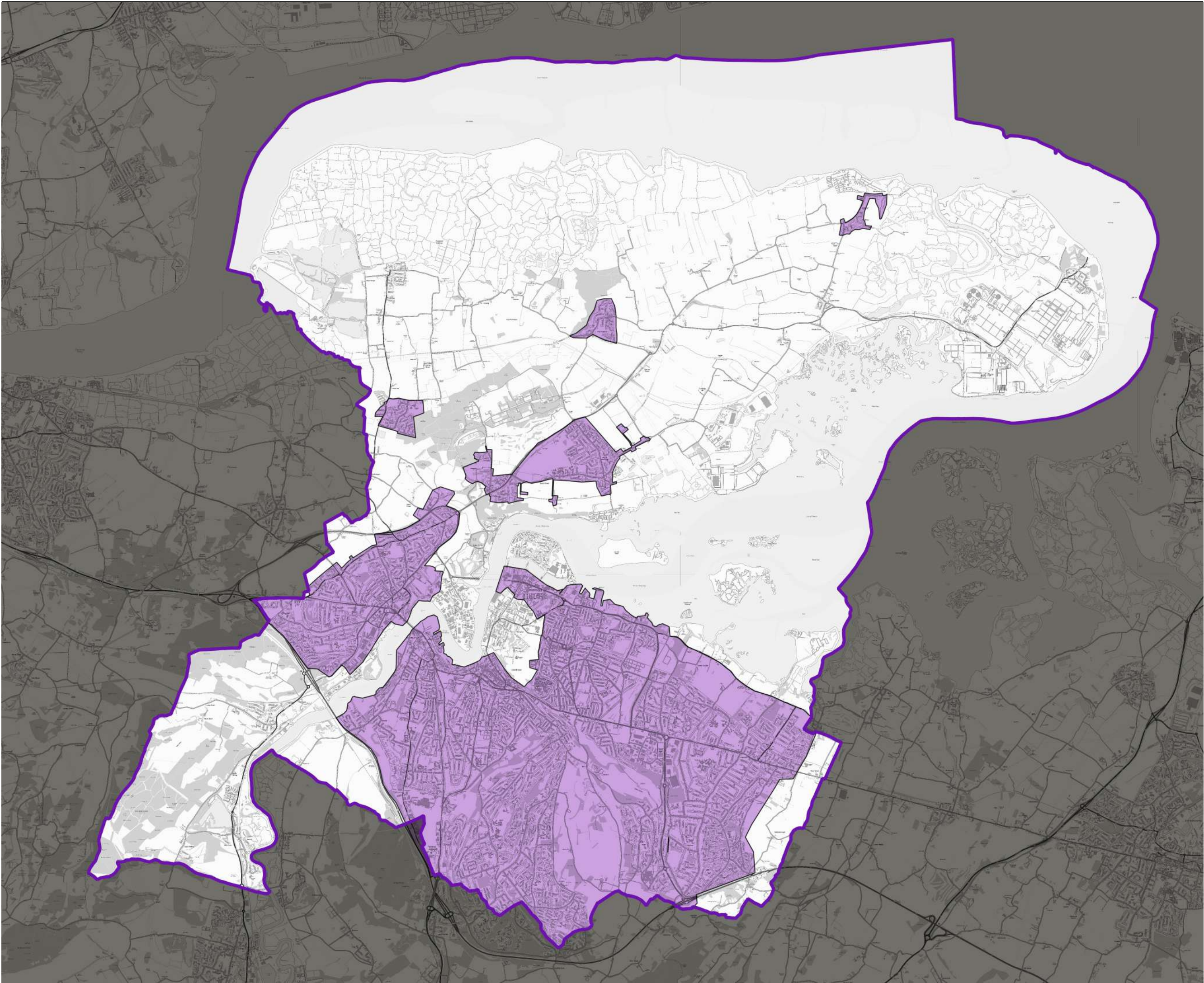
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Appendix A.5



TITLE

SENSITIVE DRAINAGE AREAS

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Administrative Boundary

Sensitive Drainage Areas (SDAs)

DETAILS

This map has been prepared based on a number of datasets which are derived at a range of scales. Consequently, caution should be taken when interpreting this information at a site-specific scale. This mapping should be read in conjunction with the Medway Council's SFRA.

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Appendix A.7




TITLE


**COASTAL EROSION RISK MAPPING
(CHATHAM NESS)**


Medway Council
Strategic Flood Risk Assessment

LEGEND


 Medway Adminstrative Boundary


With Shoreline Management Plan delivered

 Mid-term (2055)

 Long-term (2105)

No Future Intervention

 Mid-term (2055)

 Long-term (2105)

DETAILS

The data has been taken from the National Coastal Erosion Risk Mapping (NCERM) - National (2024) published by the Environment Agency. The mapping shows areas at risk of erosion based on either no future intervention or with the Shoreline Mangement Plan as outlined within the document being delivered. The outputs are based on the worst-case, i.e., the UKCP19 RCP8.5 95th percentiles for sea level rise. These maps are guidance only and are not an accurate depiction of the future position of the shoreline. If properties are shown to be located in any of these area, it is recommended that a more detailed review is undertaken to confirm the erosion risk more accurately.

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Medway Council Strategic Flood Risk Assessment

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DRAWING No.

Appendix A.8



TITLE

COASTAL EROSION RISK MAPPING
(CHATHAM - SHORT REACH)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Adminstrative Boundary

With Shoreline Management Plan delivered

Mid-term (2055)

Long-term (2105)

No Future Intervention

Mid-term (2055)

Long-term (2105)

DETAILS

The data has been taken from the National Coastal Erosion Risk Mapping (NCERM) - National (2024) published by the Environment Agency. The mapping shows areas at risk of erosion based on either no future intervention or with the Shoreline Mangement Plan as outlined within the document being delivered. The outputs are based on the worst-case, i.e., the UKCP19 RCP8.5 95th percentiles for sea level rise. These maps are guidance only and are not an accurate depiction of the future position of the shoreline. If properties are shown to be located in any of these area, it is recommended that a more detailed review is undertaken to confirm the erosion risk more accurately.

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Medway Council Strategic Flood Risk Assessment

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1:6119 @ A3

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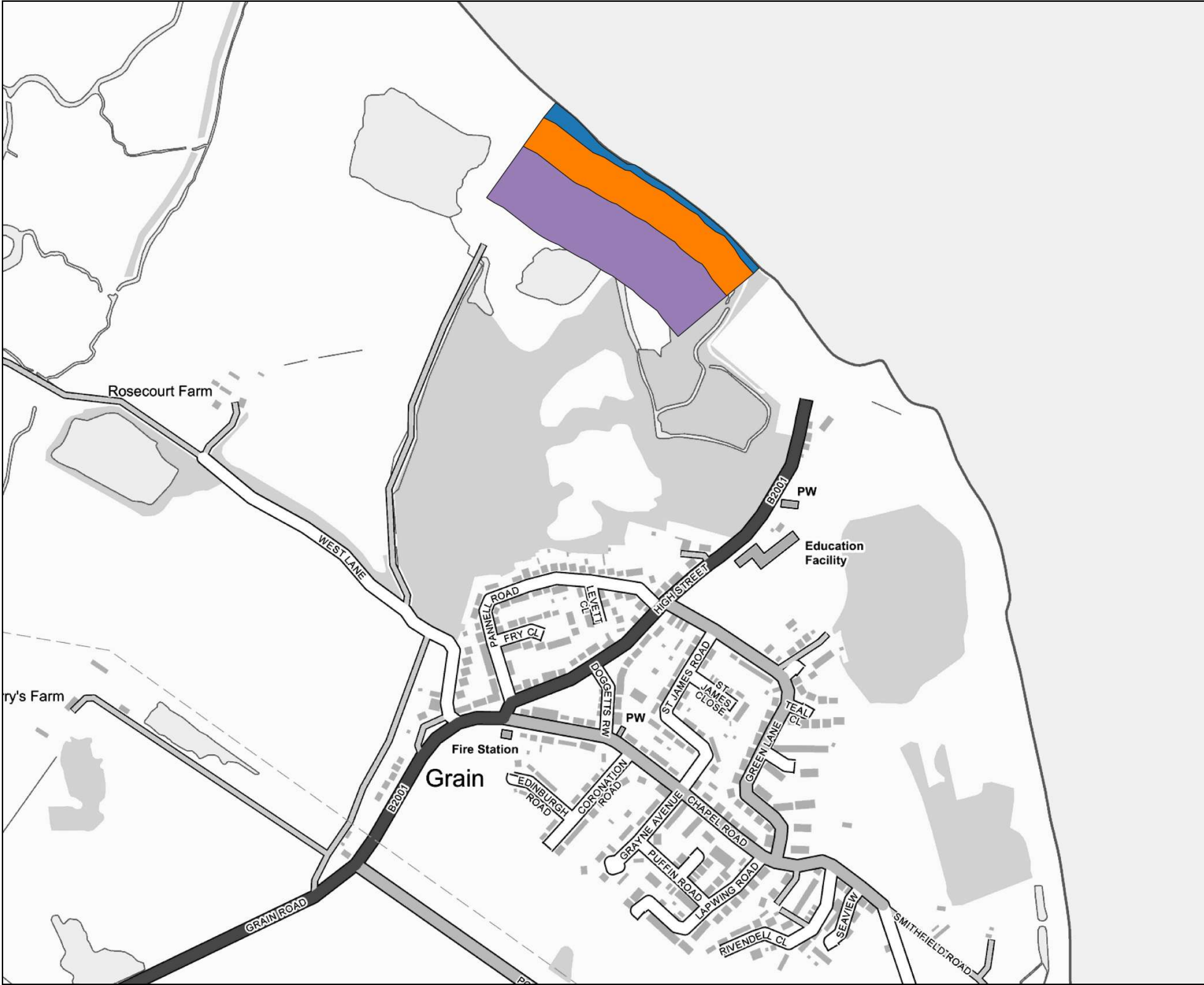
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Appendix A.8



TITLE

COASTAL EROSION RISK MAPPING
(GRAIN)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Adminstrative
Boundary

**With Shoreline Management
Plan delivered**

Mid-term (2055)

Long-term (2105)

No Future Intervention

Mid-term (2055)

Long-term (2105)

DETAILS

The data has been taken from the National Coastal Erosion Risk Mapping (NCERM) - National (2024) published by the Environment Agency. The mapping shows areas at risk of erosion based on either no future intervention or with the Shoreline Mangement Plan as outlined within the document being delivered. The outputs are based on the worst-case, i.e., the UKCP19 RCP8.5 95th percentiles for sea level rise. These maps are guidance only and are not an accurate depiction of the future position of the shoreline. If properties are shown to be located in any of these area, it is recommended that a more detailed review is undertaken to confirm the erosion risk more accurately.

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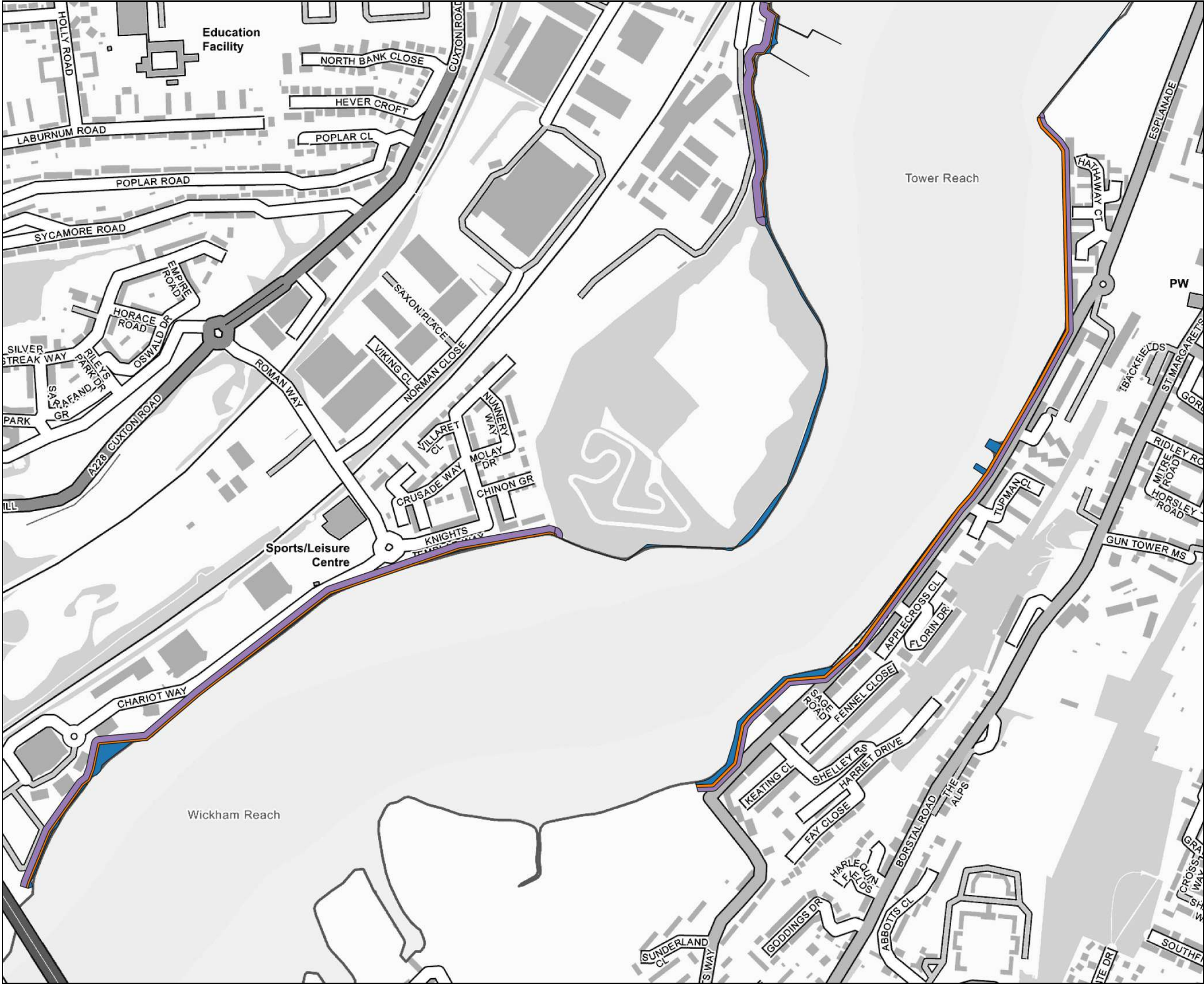
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DRAWING No.

Appendix A.8



TITLE

COASTAL EROSION RISK MAPPING
(WICKHAM - TOWER REACH)

Medway Council
Strategic Flood Risk Assessment

LEGEND

Medway Adminstrative Boundary

With Shoreline Management Plan delivered

Mid-term (2055)

Long-term (2105)

No Future Intervention

Mid-term (2055)

Long-term (2105)

DETAILS

The data has been taken from the National Coastal Erosion Risk Mapping (NCERM) - National (2024) published by the Environment Agency. The mapping shows areas at risk of erosion based on either no future intervention or with the Shoreline Mangement Plan as outlined within the document being delivered. The outputs are based on the worst-case, i.e., the UKCP19 RCP8.5 95th percentiles for sea level rise. These maps are guidance only and are not an accurate depiction of the future position of the shoreline. If properties are shown to be located in any of these area, it is recommended that a more detailed review is undertaken to confirm the erosion risk more accurately.

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