

KEY

- Medway Council Administrative Area
- ◆ Environment Agency Observation Boreholes
- Licensed Groundwater Abstractions
- Rivers

USER NOTE
 This plan has been produced in accordance with Planning Policy Statement 25 – development and flood risk. Because the information is indicative rather than specific, local planning authorities will nevertheless need to consult the Environment Agency on individual applications.

FLOODABLE AREAS NOT SHOWN
 This study does not consider those areas susceptible to tidal, fluvial, surface water or pluvial flooding.

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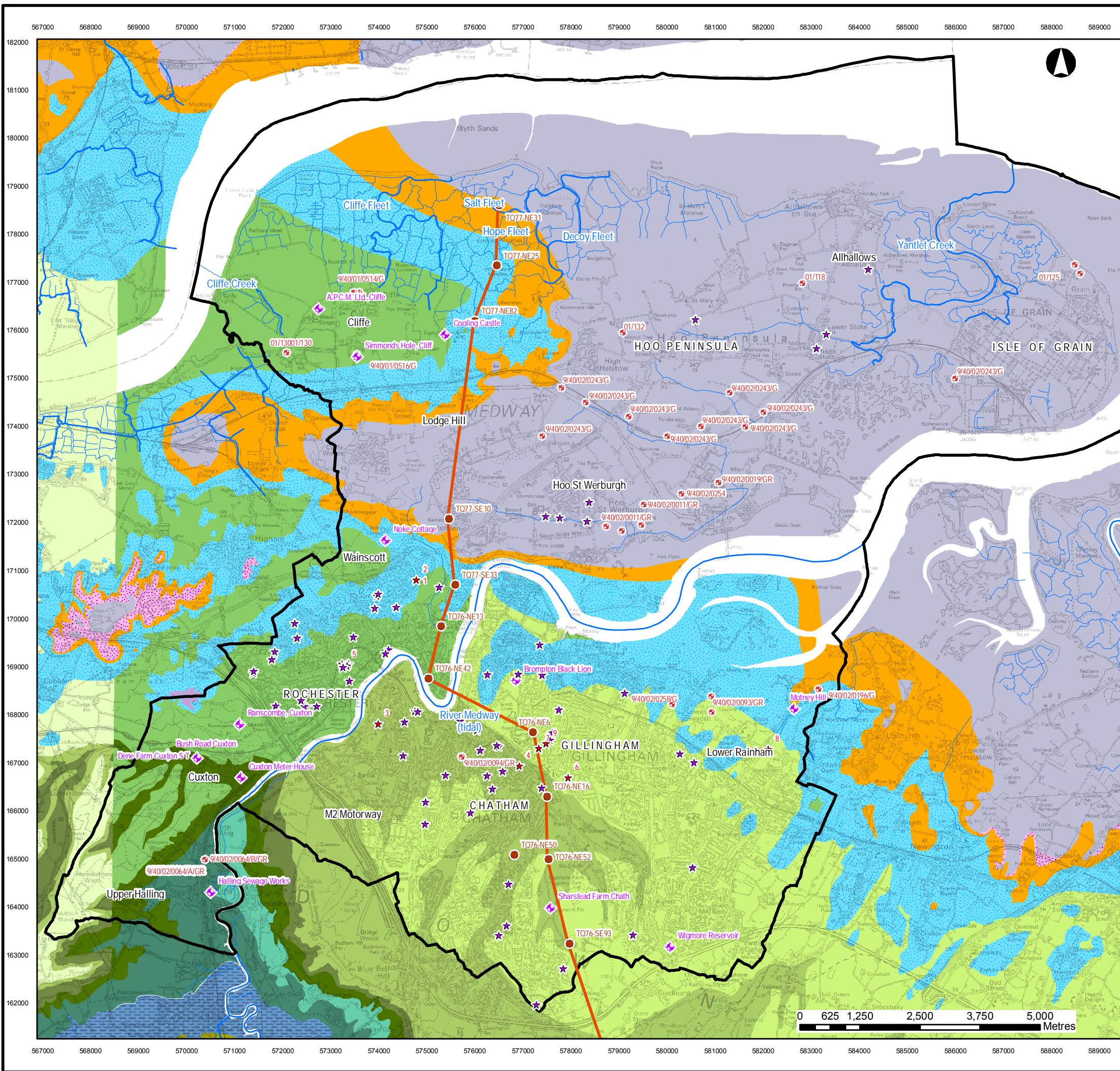
CAPITA SYMONDS | URS
 Flood Risk Management

STRATEGIC FLOOD RISK MAPPING

PROJECT TITLE
 MEDWAY COUNCIL LFRMS
 TECHNICAL APPENDIX 2
 GROUNDWATER ASSESSMENT

DRAWING TITLE
 FIGURE 1
 LOCATION MAP

ORIGINATED BY SJC	DRAWN BY SJC	CHECKED BY PJS	APPROVED BY PJS	SCALE Scale @ A3 1:80,000	STATUS FINAL
DATE 08/06/2012	DATE 08/06/2012	DATE 08/06/2012	DATE 08/06/2012	DRAWING NUMBER 47061941_GW_DRW001	REVISION 2



KEY

- Medway Council Administrative Area
- Rivers
- ★ Historic Flooding Event (all events)
- ★ Historic Flooding Event (basements / cellars)
- ◆ Environment Agency Observation Borehole
- + Licensed Groundwater Abstraction
- BGS Borehole Log
- Geological Cross Section
- Bedrock Geology**
- Lenham Formation
- London Clay Formation
- Harwich Formation
- Lambeth Group
- Thanet Sand Formation
- Seaford Chalk Formation & Newhaven Chalk
- Seaford Chalk Formation
- Lewes Nodular Chalk Formation
- Lewes Nodular Chalk, Seaford Chalk and Newhaven Chalk Fm (Undiff)
- New Pit Chalk Formation
- Holywell Nodular Chalk Formation
- Zig Zag Chalk Formation
- West Melbury Marly Chalk Formation
- Gault Formation
- Folkestone Formation

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Medway
COUNCIL

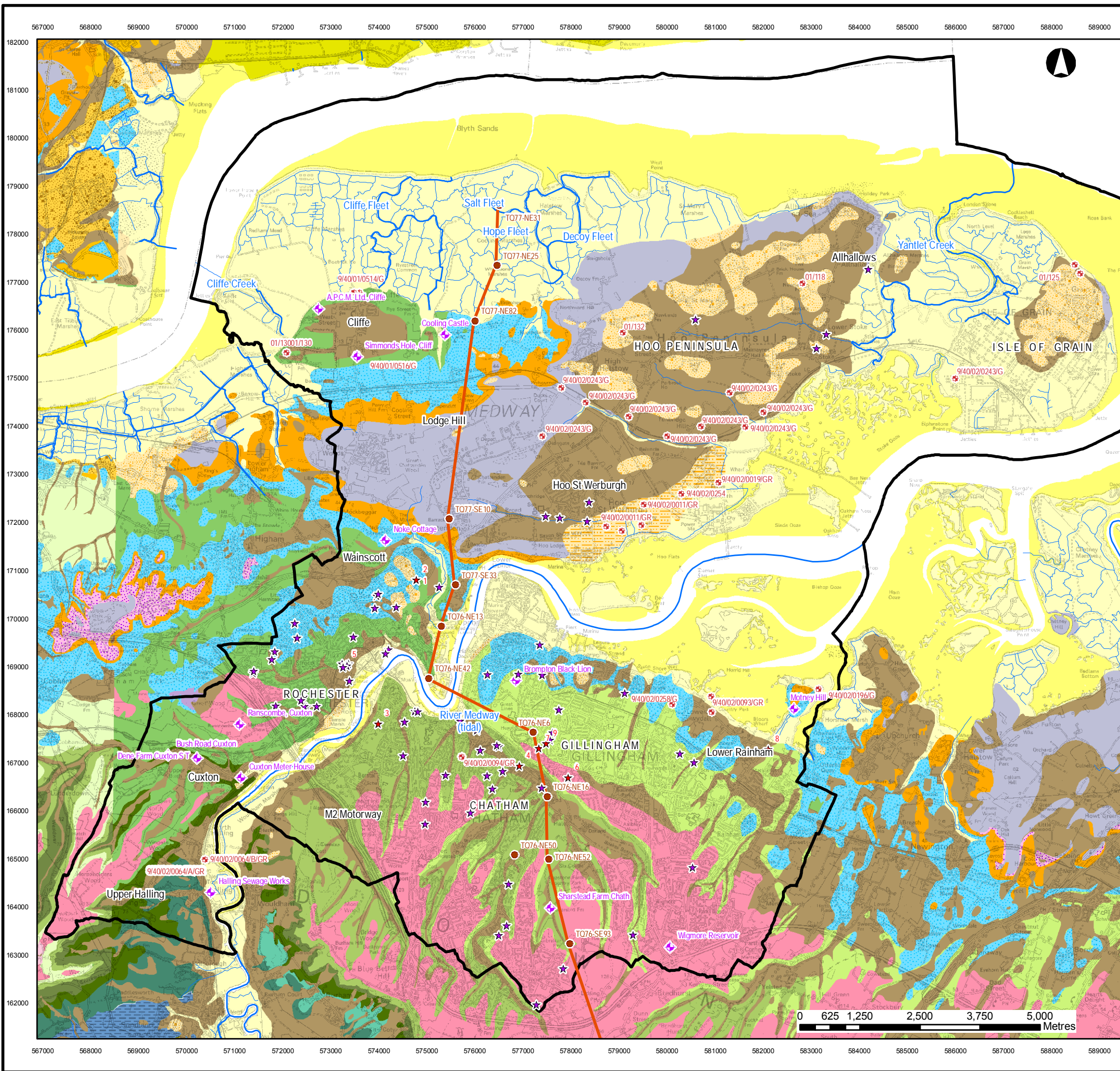
CAPITA SYMONDS | URS
Flood Risk Management

STRATEGIC FLOOD RISK MAPPING

PROJECT TITLE
**MEDWAY COUNCIL LFRMS
 TECHNICAL APPENDIX 2
 GROUNDWATER ASSESSMENT**

DRAWING TITLE
**FIGURE 2
 BEDROCK GEOLOGY MAP**

ORIGINATED BY BTW	DRAWN BY BTW	CHECKED BY SC	APPROVED BY SC	SCALE Scale @ A3 1:80,000	STATUS FINAL
DATE 08/06/2012	DATE 08/06/2012	DATE 08/06/2012	DATE 08/06/2012	DRAWING NUMBER 47061941_GW_DRW002	REVISION 2



KEY

- Medway Council Administrative Area
- Rivers
- Historic Flooding Event (all events)
- Historic Flooding Event (basements / cellars)
- Environment Agency Observation Boreholes
- Licensed Groundwater Abstractions
- BGS Borehole Logs
- Geological Cross Section
- Bedrock Geology**
- Lenham Formation
- London Clay Formation
- Harwich Formation
- Lambeth Group
- Thanet Sand Formation
- Seaford Chalk Formation & Newhaven Chalk
- Seaford Chalk Formation
- Lewes Nodular Chalk Formation
- Lewes Nodular Chalk, Seaford Chalk & Newhaven Chalk Fm (Undiff)
- New Pit Chalk Formation
- Holywell Nodular Chalk Formation
- Zig Zag Chalk Formation
- West Murbury Marly Chalk Formation
- Gault Formation
- Folkestone Formation
- Superficial Geology**
- Head (Clay, Silt, Sand and Gravel)
- Alluvium (Clay, Silt, Sand & Gravel)
- Peat
- Beach & Tidal Flat Deposits (Undiff)
- Tidal Flat Deposits
- Tidal River Or Creek Deposits
- River Terrace Deposits - Sand_Gravel
- River Terrace Deposits - Clay_Silt
- River Terrace Deposits (Undiff)
- Kempton Park Gravel Formation
- Taplow Gravel Formation
- Lynch Hill Gravel Member
- Boyn Hill Gravel Member
- Black Park Gravel Member - Sand Gravel
- Chelsfield Gravel Formation
- Clay with Flints Formation - Clay Silt Sand Gravel

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Medway
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Flood Risk Management

STRATEGIC FLOOD RISK MAPPING

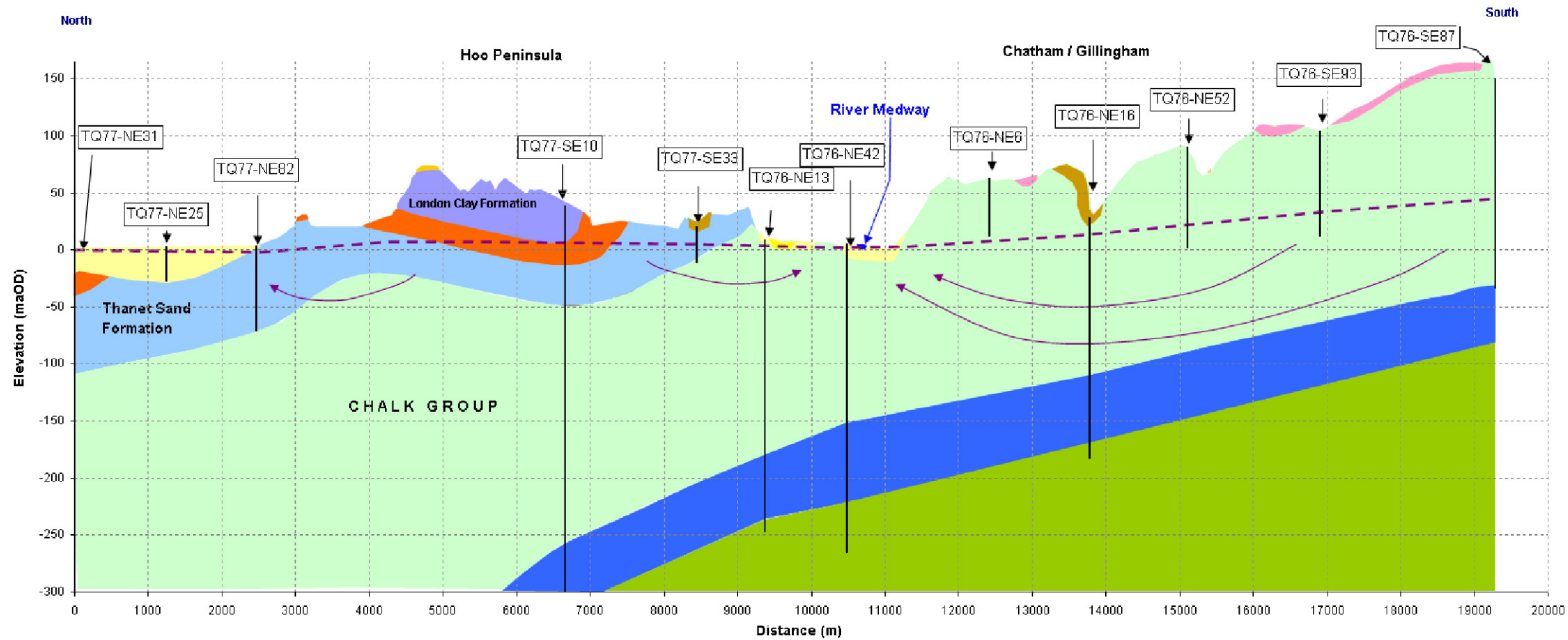
PROJECT TITLE

**MEDWAY COUNCIL LFRMS
 TECHNICAL APPENDIX 2
 GROUNDWATER ASSESMENT**

DRAWING TITLE

**FIGURE 3
 BEDROCK & SUPERFICIAL
 GEOLOGY MAP**

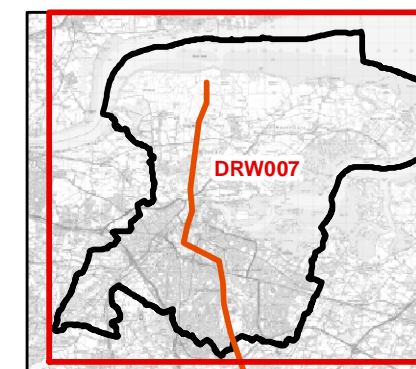
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KEY

- Superficial Geology**
 - Head (Clay, Silt, Sand and Gravel)
 - Alluvium (Clay, Silt, Sand & Gravel)
 - Beach & Tidal Flat Deposits (Undiff)
 - Clay with Flints Formation - Clay Silt Sand Gravel
- Bedrock Geology**
 - London Clay Formation
 - Lambeth Group
 - Thanet Sand Formation
 - Chalk Formation (Undifferentiated)
 - Gault Formation
 - Folkestone Formation
- Groundwater Piezometry
- Inferred Groundwater Flow Direction

KEY PLAN



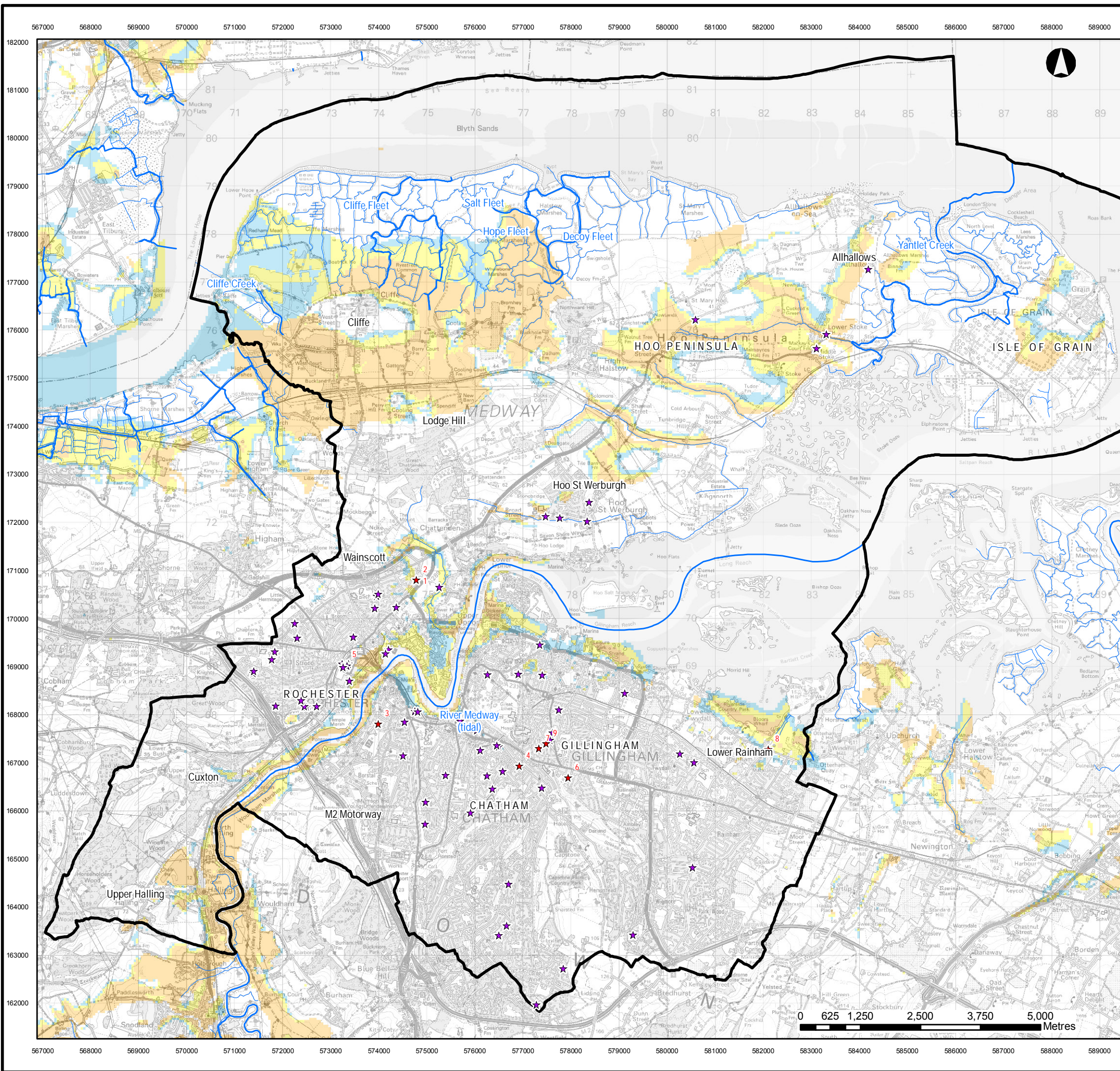
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STRATEGIC FLOOD RISK MAPPING

PROJECT TITLE
**MEDWAY COUNCIL LFRMS
TECHNICAL APPENDIX 2
GROUNDWATER ASSESSMENT**

DRAWING TITLE
**FIGURE 4
BGS GEOLOGICAL CROSS SECTION**

ORIGINATED BY CW	DRAWN BY CW	CHECKED BY SC	APPROVED BY SC	STATUS FINAL
DATE 23/04/2012	DATE 23/04/2012	DATE 26/04/2012	DATE 26/04/2012	DRAWING NUMBER 47061941_GW_DRW007
				REVISION 2



KEY

- Medway Council Administrative Area
- Rivers
- ★ Historic Flooding Event (all events)
- ★ Historic Flooding Event (basements / cellars)
- BGS Groundwater Flooding Susceptibility**
- Very High
- High
- Moderate

TECHNICAL NOTE
 This map shows an approximate guide to areas that may be susceptible to groundwater flooding. However, for all new developments, site investigation is required to confirm local groundwater levels and therefore risk of groundwater flooding

USER NOTE
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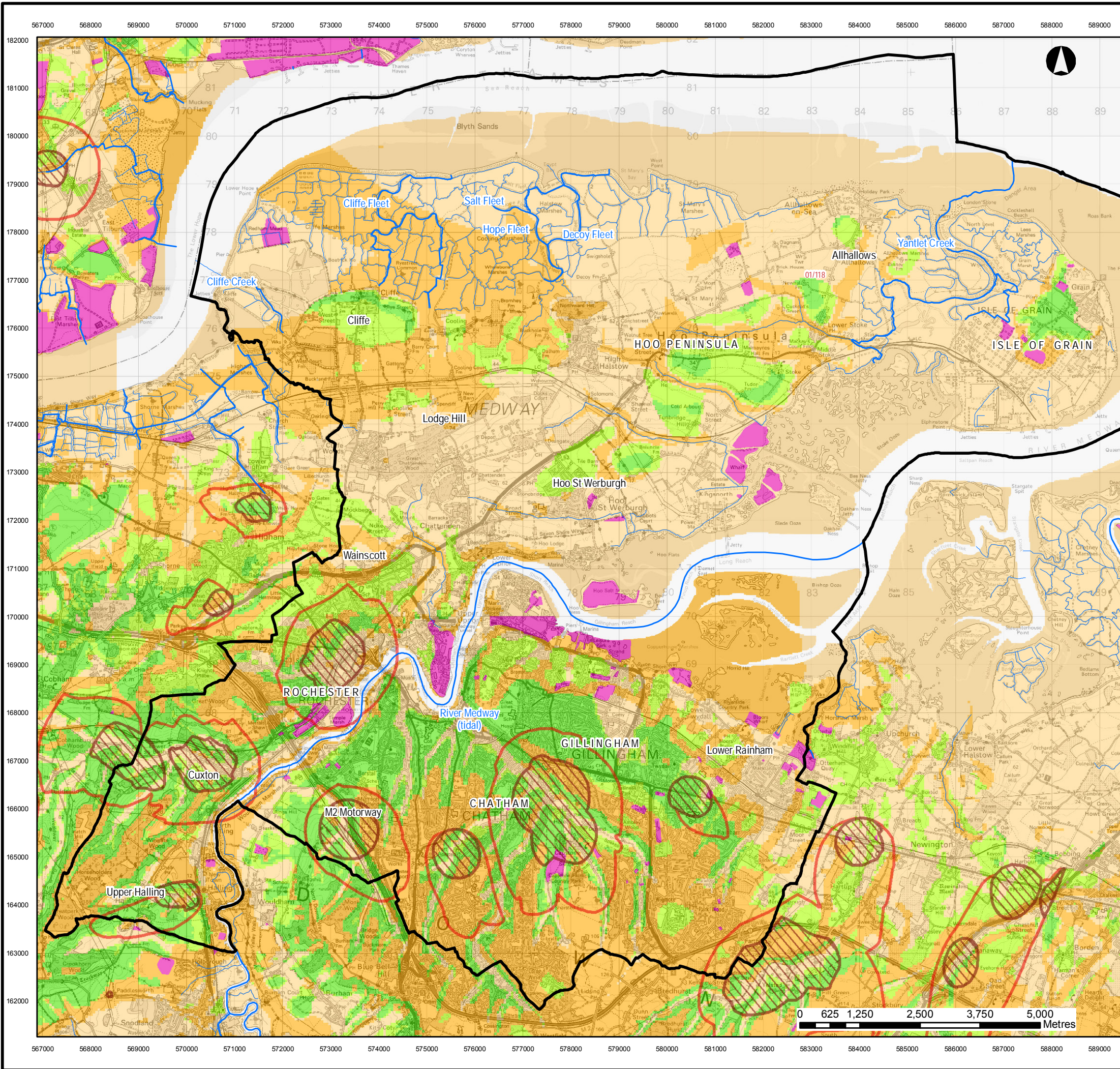
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STRATEGIC FLOOD RISK MAPPING

PROJECT TITLE
 MEDWAY COUNCIL LFRMS
 TECHNICAL APPENDIX 2
 GROUNDWATER ASSESMENT

DRAWING TITLE
 FIGURE 5
 BGS GROUNDWATER FLOODING
 SUSCEPTIBILITY MAP

ORIGINATED BY BTW	DRAWN BY BTW	CHECKED BY SC	APPROVED BY SC	SCALE Scale @ A3 1:80,000	STATUS FINAL
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KEY

- Medway Council Administrative Area
- Rivers
- Historic Landfill Sites**
- Historic Landfill Sites
- Groundwater Source Protection Zones**
- Inner Zone (Zone 1)
- Outer Zone (Zone 2)
- BGS Infiltration SUDS Suitability**
- Highly Compatible for Infiltration SUDS
- Probably Compatible for Infiltration SUDS
- Opportunities for bespoke Infiltration SUDS
- Very Significant Constraints are indicated

TECHNICAL NOTE
 This map forms an approximate guide to infiltration SUDS suitability. However, for all new developments, site investigation is required to confirm local permeabilities and infiltration rates.

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STRATEGIC FLOOD RISK MAPPING

PROJECT TITLE
 MEDWAY COUNCIL LFRMS
 TECHNICAL APPENDIX 2
 GROUNDWATER ASSESMENT

DRAWING TITLE
 FIGURE 6
 INFILTRATION SUDS SUITABILITY MAP

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