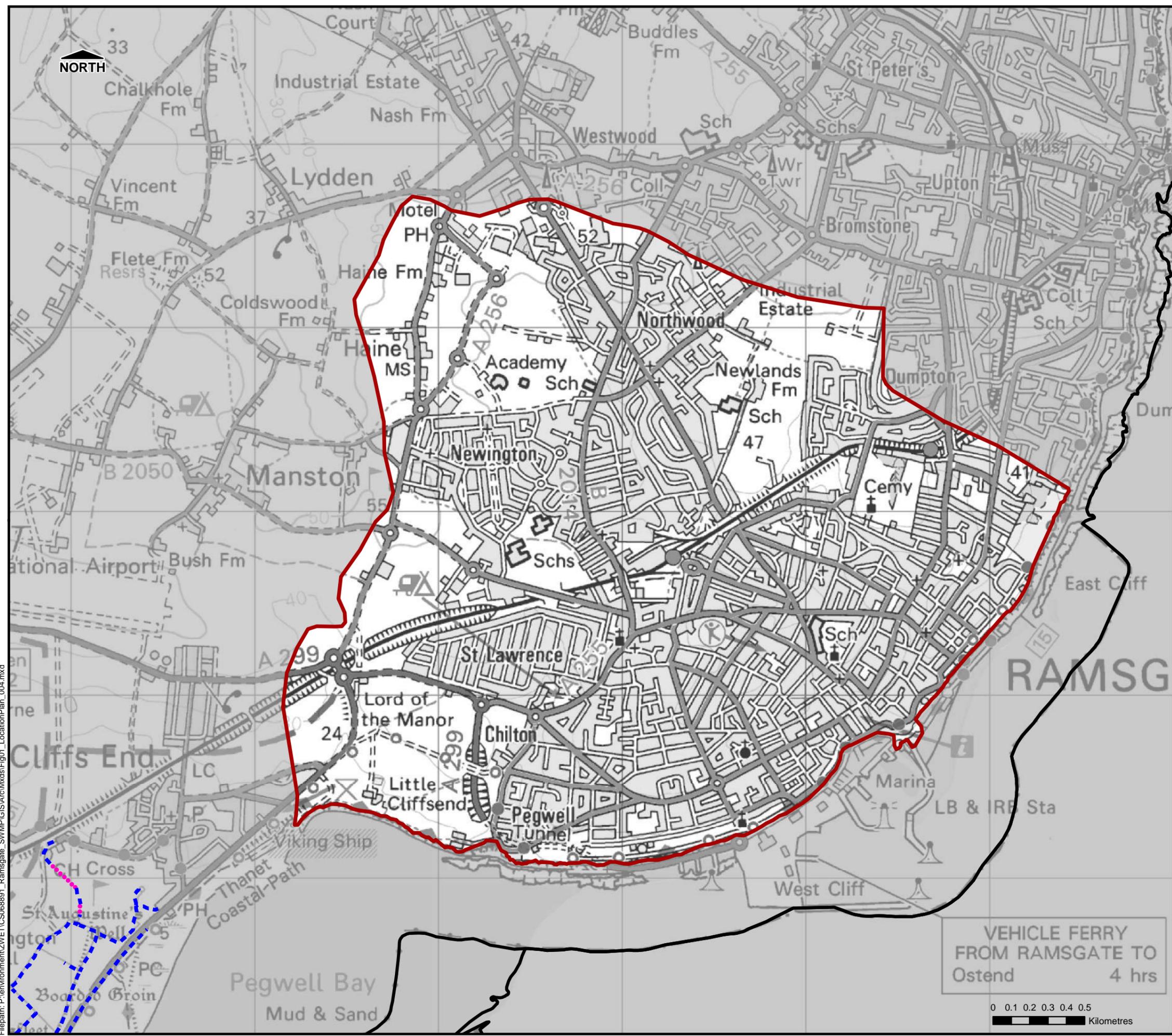
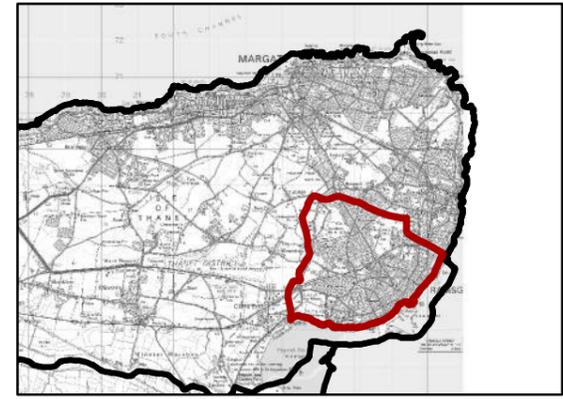


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- Legend**
- Study Area
 - TDC Administrative Boundary
 - Main River
 - Ordinary Watercourse
 - Culverted Watercourse



Notes



Surface Water Management Plan

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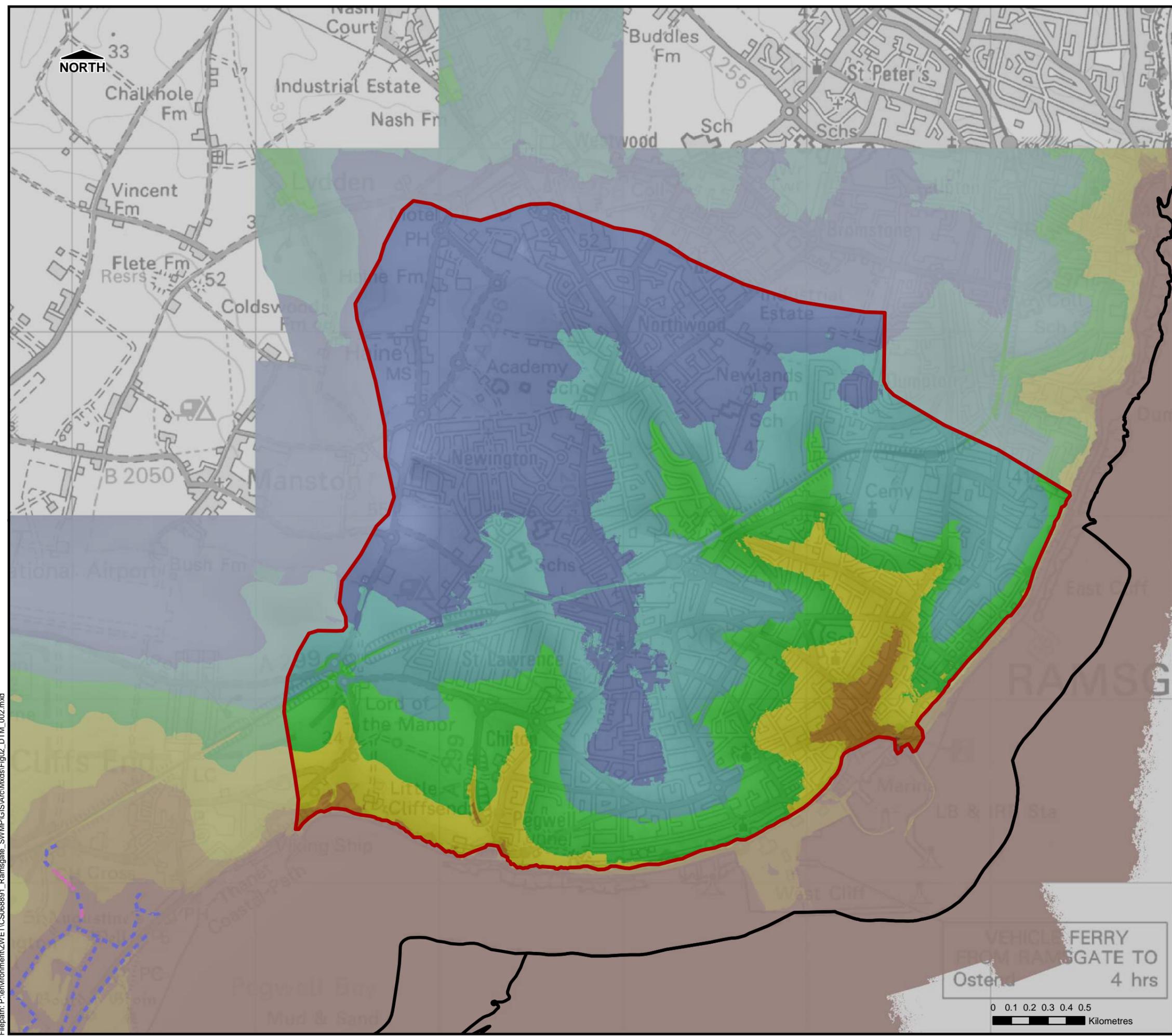
Ramsgate Location Plan

Consultant
CAPITA
 Flood Risk Management
 Capita
 65 Gresham Street
 London
 EC2V 7NQ

FIGURE 1

Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig01_LocationPlan_004.mxd

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Legend

- Study Area
- TDC Administrative Boundary
- Ordinary Watercourse
- Culverted Watercourse
- Main River

Terrain Height (m)

- 5 - 5
- 5 - 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60

Notes

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--------------------------------	--------------------------	--------------------------------	--------------------------------

Digital Terrain Model Overview

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FIGURE 2

Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig02_DTM_002.mxd

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Legend

-  Study Area
-  TDC Administrative Boundary
-  Main River
-  Ordinary Watercourse
-  Culverted Watercourse
-  Building/ Structure
-  General Surface (Manmade)
-  General Surface (Natural)
-  Inland Water
-  Paths, Roads, Tracks or Rail
-  Unclassified, Land
-  Tidal Water

Notes

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Scale at A3 1:20,000	Date Mar. 2015	Drawn by G.ATHANASIA	Approved by M.ARTHUR
--------------------------------	--------------------------	--------------------------------	--------------------------------

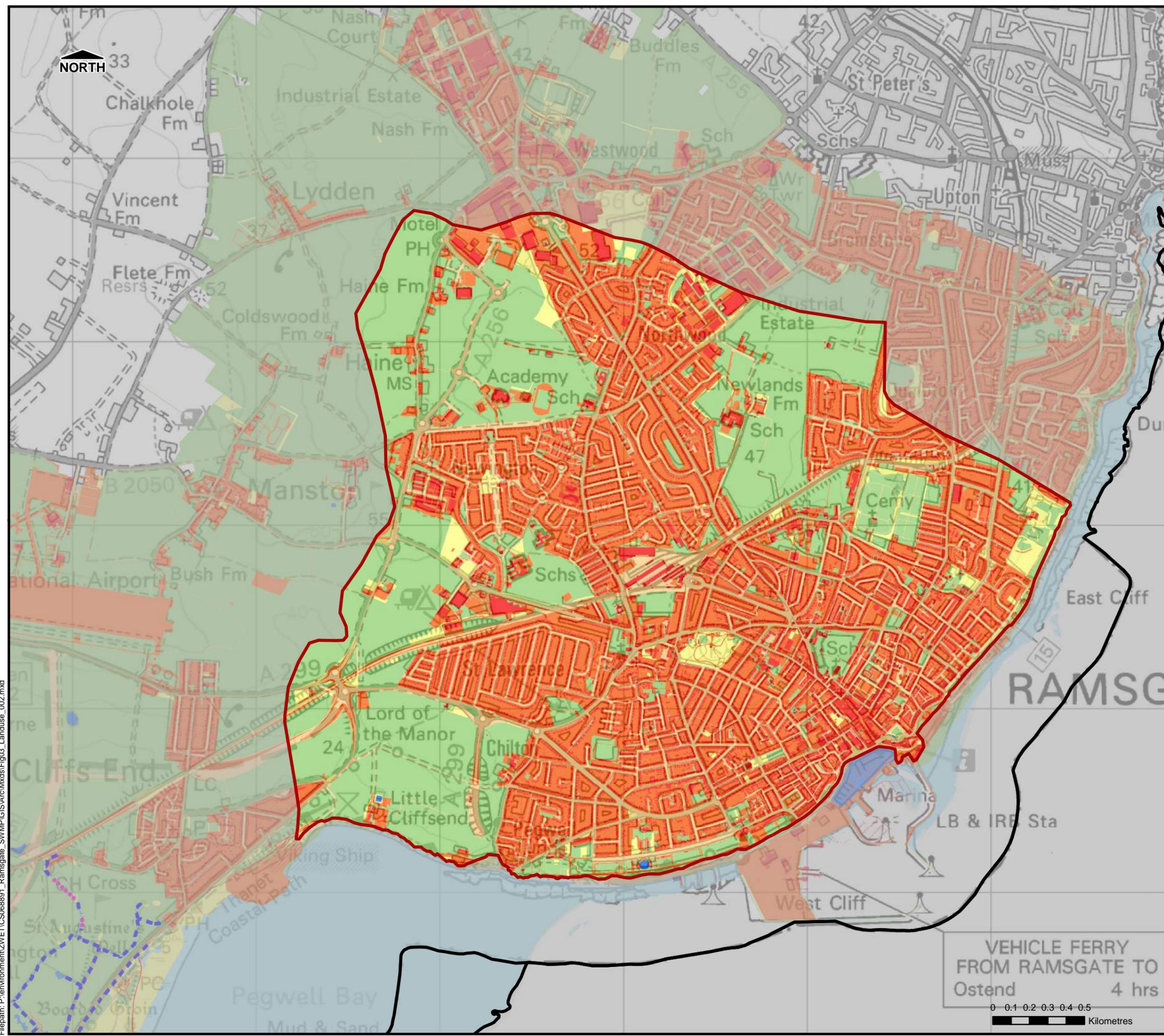
Landuse Map Overview

Consultant

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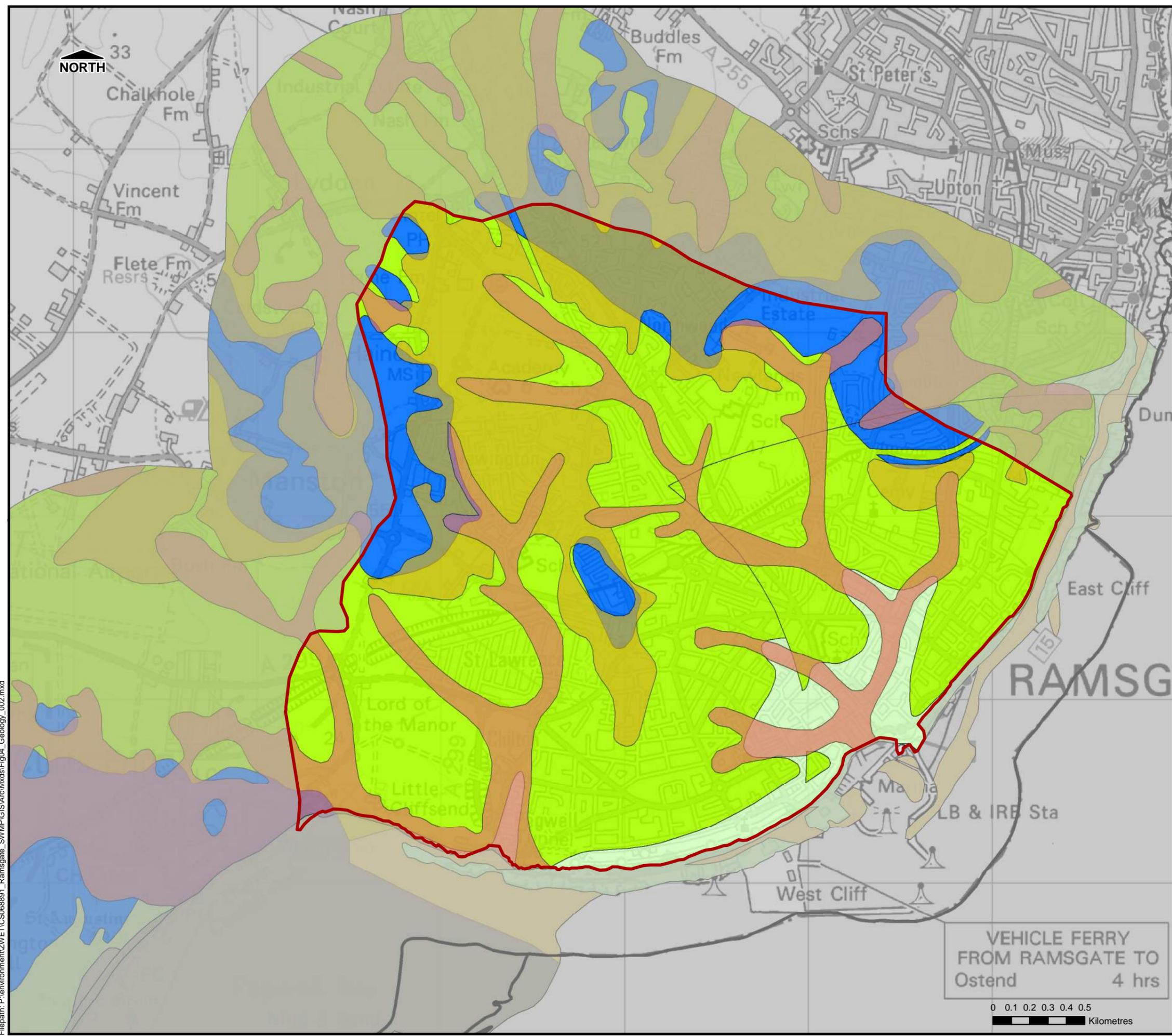
Capita
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FIGURE 3



Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig03_Landuse_002.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED



Legend

- Study Area
- TDC Administrative Boundary

Bedrock

- Lewes Nodular, Seaford & Newhaven Chalk Formation (SNCK-CHLK)
- Margate Chalk Member (MACK-CHLK)
- Seaford Chalk Formation (SECK-CHLK)
- Thanet Sand Formation (TAB-SSCL)

Superficial Deposits

- Beach and Tidal Flat Deposits (BTFU-SAGR)
- Beach and Tidal Flat Deposits (BTFU-SSCL)
- Head (HEAD1-CLSI)
- Head (HEAD2-CLSI)
- Storm Beach Deposits (STOB-SAGR)
- Tidal Flat Deposits (TFD-CLSI)

Notes

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Geological Map Overview

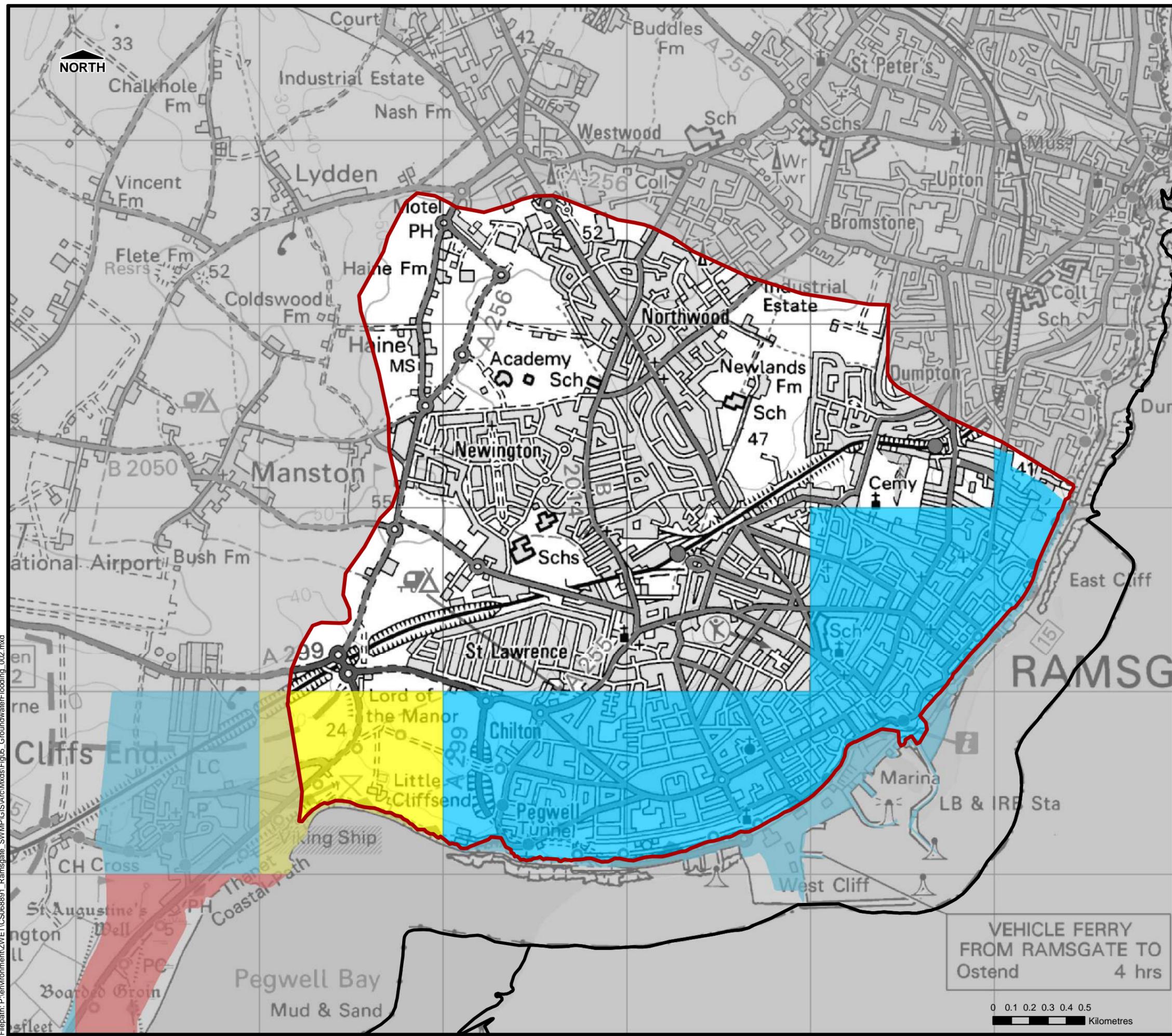
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FIGURE 3

Filepath: P:\environment\Z\ET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig04_Geology_002.mxd



Legend

- Study Area
- TDC Administrative Boundary

Susceptibility to Groundwater Flooding

- Very High; $\geq 75\%$
- High; $\geq 50\% < 75\%$
- Moderate; $\geq 25\% < 50\%$
- Low; $< 25\%$

Notes

This susceptibility data is suitable for use for regional or national planning purposes where the groundwater flooding information will be used along with a range of other relevant information to inform land-use planning decisions. The susceptibility data should not be used on its own to make planning decisions at any scale, and, in particular, should not be used to inform planning decisions at the site scale. The susceptibility data cannot be used on its own to indicate risk of groundwater flooding.

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**Environment Agency
Areas Susceptible to Groundwater Flooding
Ramsgate Overview**

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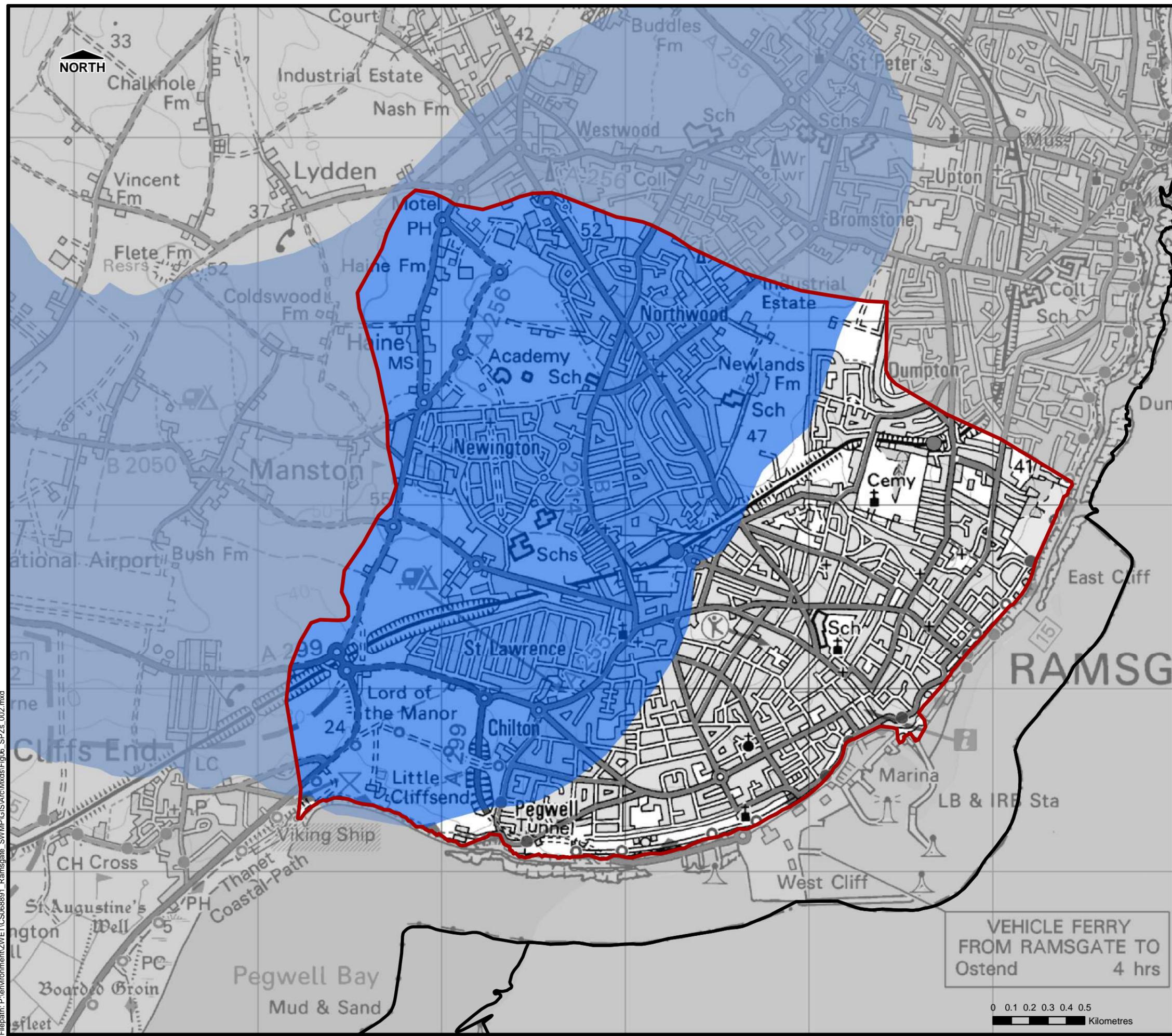
VEHICLE FERRY
FROM RAMSGATE TO
Ostend 4 hrs



FIGURE 5

Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig05_GroundwaterFlooding_002.mxd

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- Legend**
- Study Area
 - TDC Administrative Boundary
- Groundwater Source Protection Zones**
- Inner Zone (Zone 1)
 - Outer Zone (Zone 2)
 - Total Catchment (Zone 3)

Notes

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Environment Agency Source Protection Zones Ramsgate Overview

Consultant

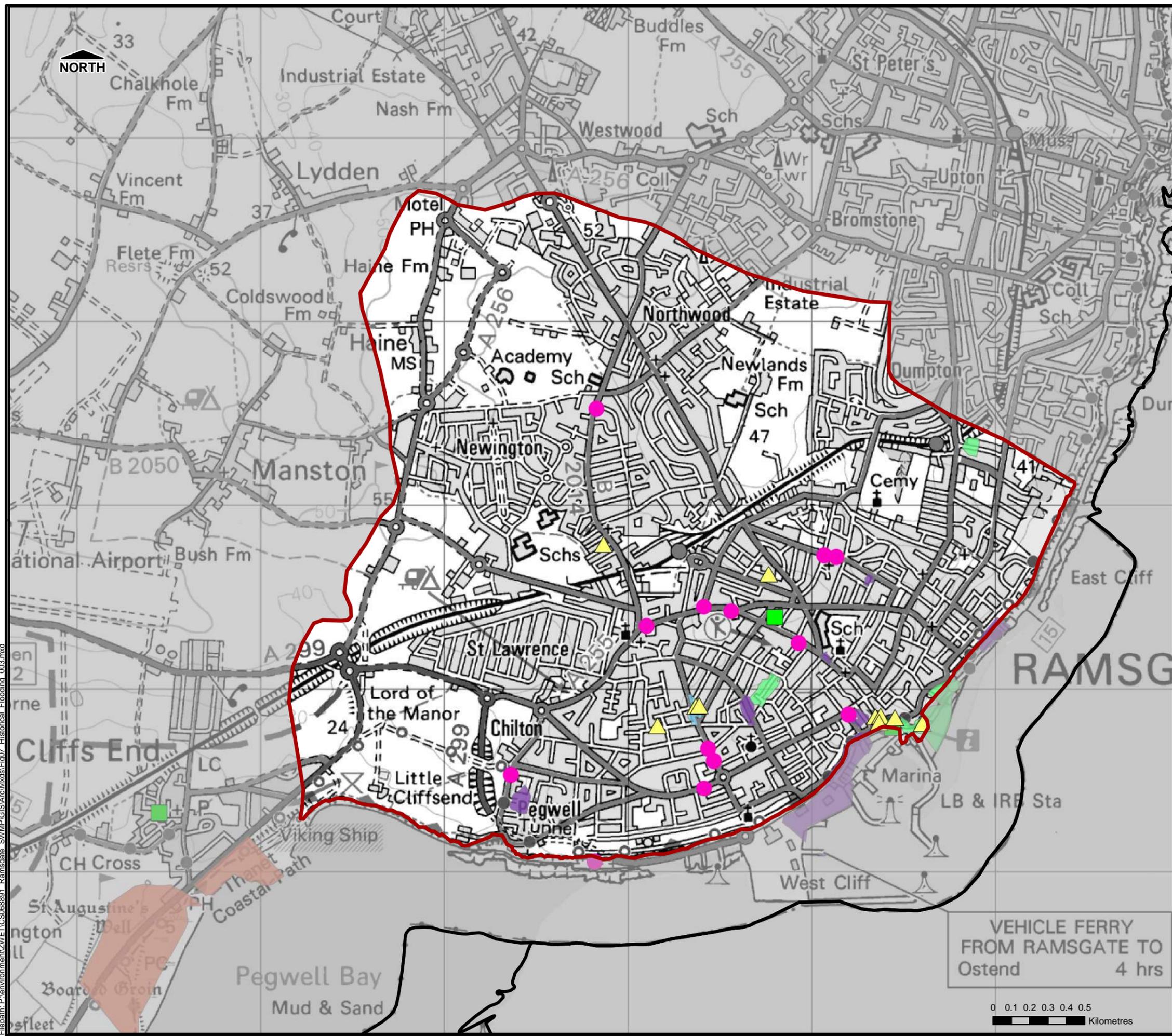
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FIGURE 6

Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig06_SPZs_002.mxd

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Legend

- Study Area
- TDC Administrative Boundary
- Environment Agency Historic Flood Map
- ▲ Sewer Flood Incidents (Southern Water)
- Flood Incidents (Kent Highways)
- Flood Incidents (Thanet District Council)

Number of Sewer Flooding Records (Southern Water)

- 1
- 2
- 3
- 5

Notes

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Historical Flooding Overview

Consultant

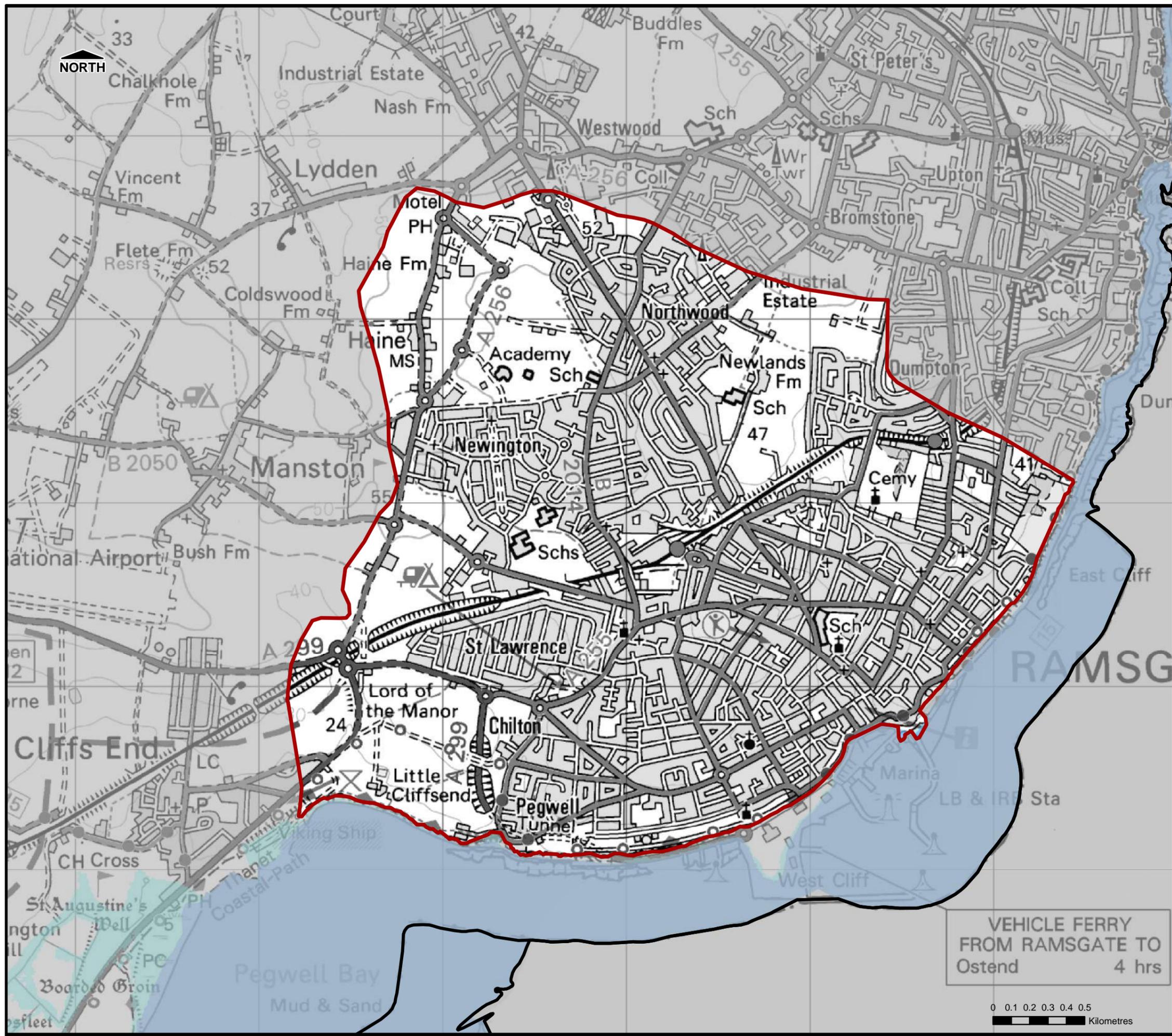
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FIGURE 7

Filepath: P:\environment\Z\NET\CS068891_Ramsgate_SWMP\GIS\ArcMxds\Fig07_Historical Flooding_003.mxd

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Legend

- Study Area
- TDC Administrative Boundary
- Main River
- Ordinary Watercourse
- Culverted Watercourse
- Environment Agency Flood Zone 2
- Environment Agency Flood Zone 3
- Areas Benefiting from Defences
- Environment Agency Historic Flood Map
- Defences

- Notes**
1. Environment Agency Flood Zone 3: Land assessed, ignoring the presence of flood defences, as having a 1% or greater annual probability of fluvial flooding or a 0.5% or greater annual probability of tidal flooding.
 2. Environment Agency Flood Zone 2: Land assessed, ignoring the presence of flood defences, as having between a 1% and 0.1% annual probability of fluvial flooding or between a 0.5% and 0.1% annual probability of tidal flooding in any year.
 3. Environment Agency - Areas that benefit from flood defences: land that may benefit from the presence of major defences during a 1% fluvial or 0.5% tidal event. These are areas that would flood if the defence were not present, but may not flood because the defence is present. Areas benefiting from flood storage areas may be remote from the flood defence structure.
 4. Environment Agency Flood Defences: The map displays the location of linear raised flood defences such as embankments & walls

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Environment Agency Flood Zones Overview

Consultant

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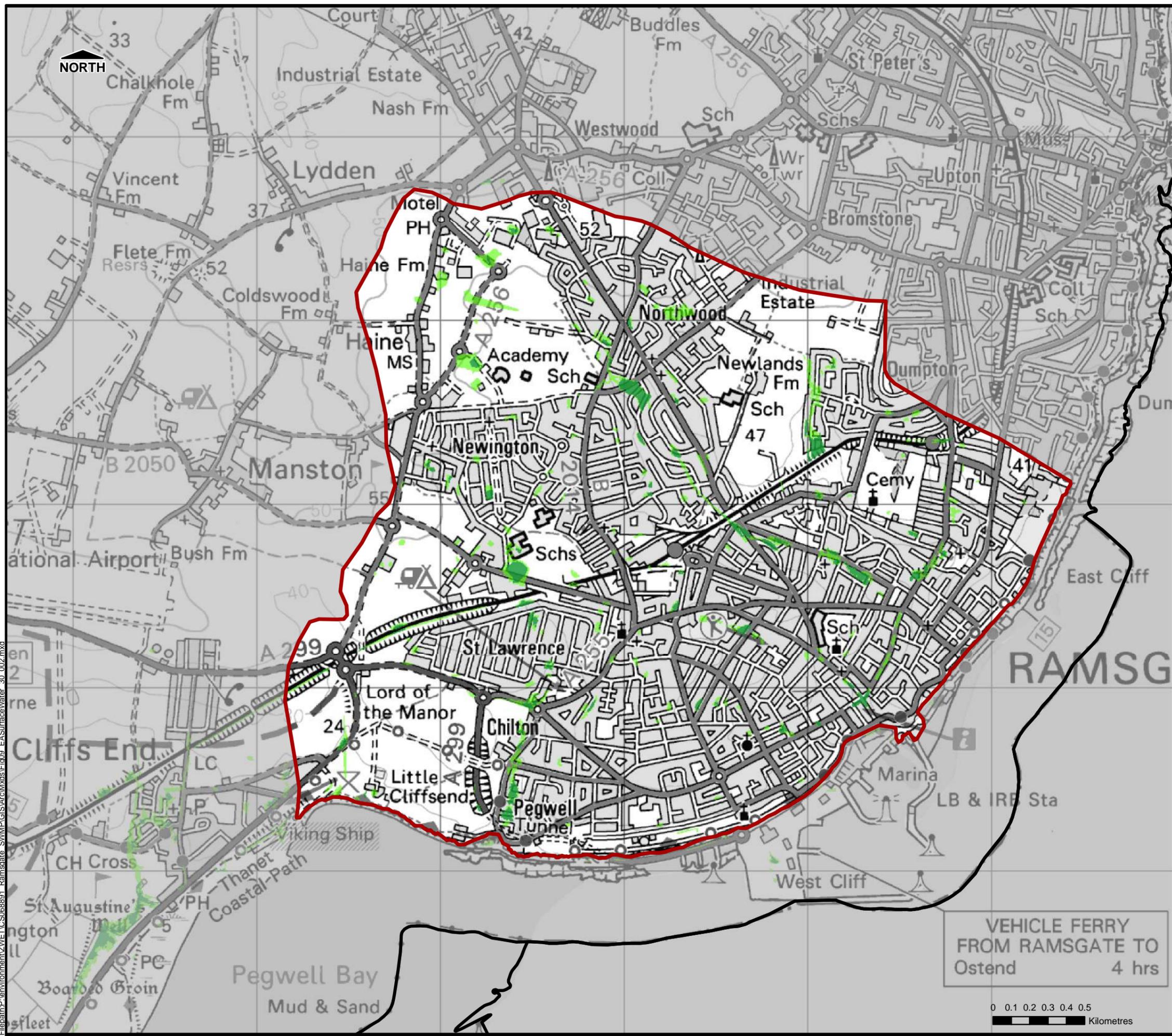
Capita
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London
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VEHICLE FERRY FROM RAMSGATE TO Ostend 4 hrs



FIGURE 8

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- Legend**
- Study Area
 - TDC Administrative Boundary
 - Main River
 - Ordinary Watercourse
 - Culverted Watercourse
 - Surface Water 1 in 30 year (Shallow)
 - Surface Water 1 in 30 year (Deep)

Notes

Ramsgate



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Scale at A3	Date	Drawn by	Approved by
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Environment Agency Flood Map for Surface Water 1 in 30 Year Probability Overview

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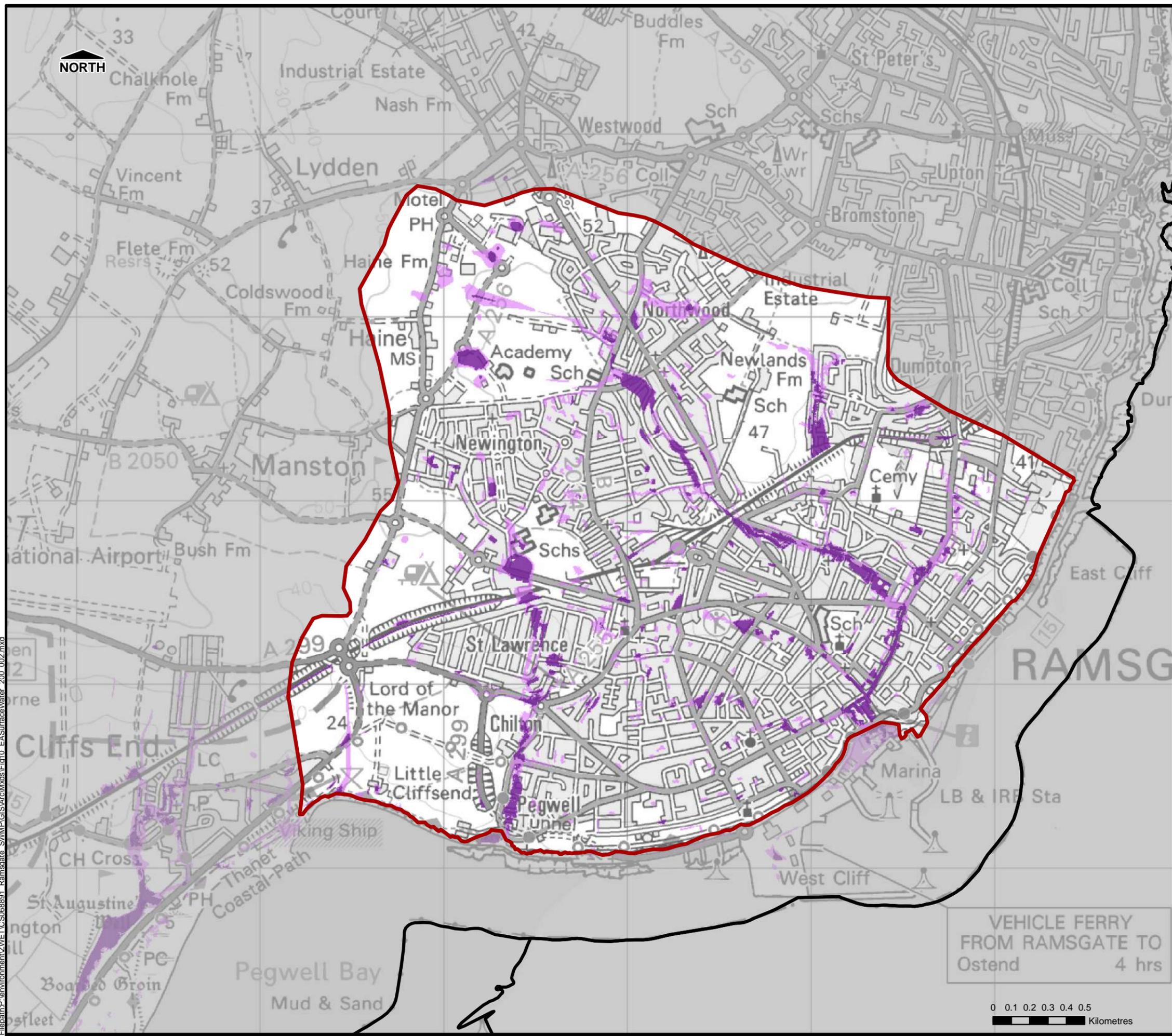
VEHICLE FERRY
FROM RAMSGATE TO
Ostend 4 hrs



FIGURE 9

Filepath: P:\environment\Z\W\ET\CS\068891_Ramsgate_SWMP\GIS\ArcMap\MapDoc\SWMP_SurfaceWater_30_002.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED



- Legend**
- Study Area
 - TDC Administrative Boundary
 - Main River
 - Ordinary Watercourse
 - Culverted Watercourse
 - Surface Water 1 in 200 year (Shallow)
 - Surface Water 1 in 200 year (Deep)

Notes

Ramsgate



Surface Water Management Plan

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Scale at A3	Date	Drawn by	Approved by
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**Environment Agency
Flood Map for Surface Water
1 in 200 Year Probability
Overview**

Consultant

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London
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FIGURE 10

Filepath: P:\environment\210710\CS068891_Ramsgate_SWMP\GIS\ArcMap\Map10_EASurfaceWater_200_002.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
 -  Administrative Boundary
- Flood Depth (m)**
-  <0.1m
 -  0.1m - 0.25m
 -  0.25m - 0.5m
 -  0.5m - 1m
 -  1.0m - 1.5m
 -  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



Surface Water Management Plan

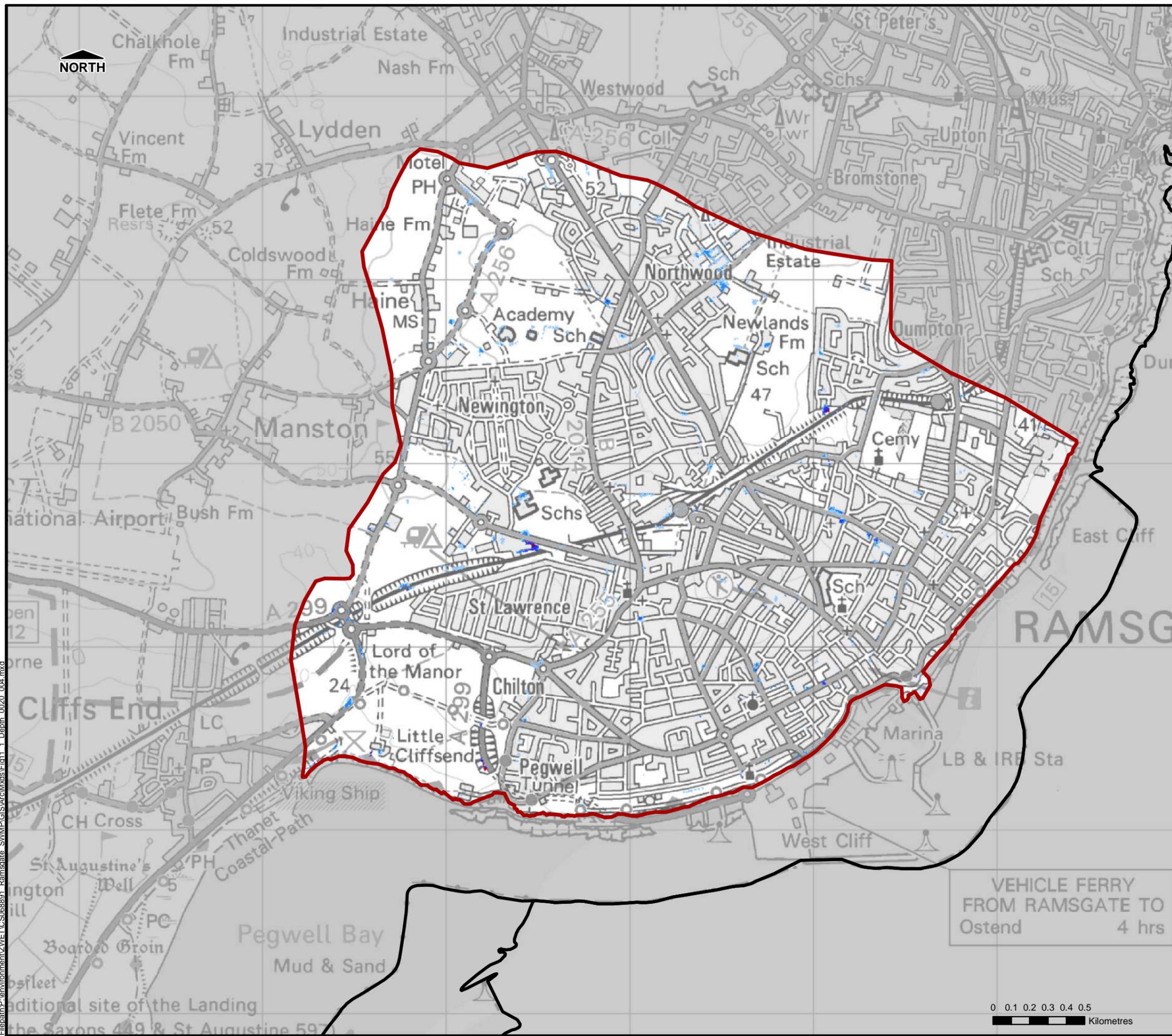
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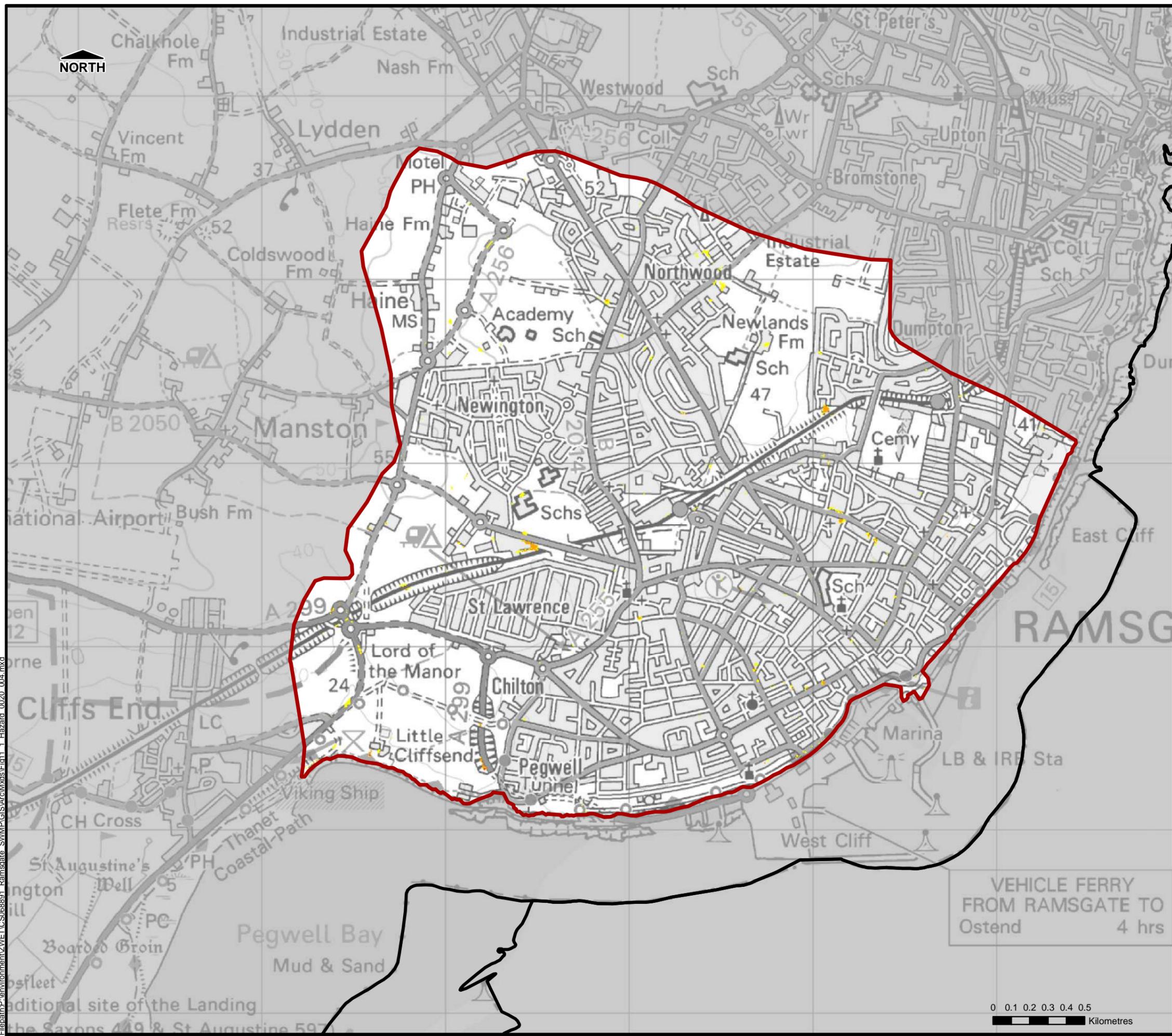
**Surface Water Flood Depth
1 in 20yr, 3hr duration**

Consultant
CAPITA Flood Risk Management
Capita 65 Gresham Street London EC2V 7NQ

FIGURE 11_1



Filepath: P:\environment\2107\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_1_Depth_0020_004.mxd



- Legend**
- Study Area
 - Administrative Boundary
- Flood Hazard**
- Caution (Very Low Hazard)
 - Moderate (Danger for Some)
 - Significant (Danger for Most)
 - Extreme (Danger for All)

Notes
 Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.



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**Surface Water Flood Hazard
 1 in 20yr, 3hr duration**

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FIGURE 11_2



Filepath: P:\environment\21\ET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_1_Hazard_0020_004.mxd

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Legend

-  Study Area
 -  Administrative Boundary
- Flood Depth (m)**
-  <0.1m
 -  0.1m - 0.25m
 -  0.25m - 0.5m
 -  0.5m - 1m
 -  1.0m - 1.5m
 -  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



Surface Water Management Plan

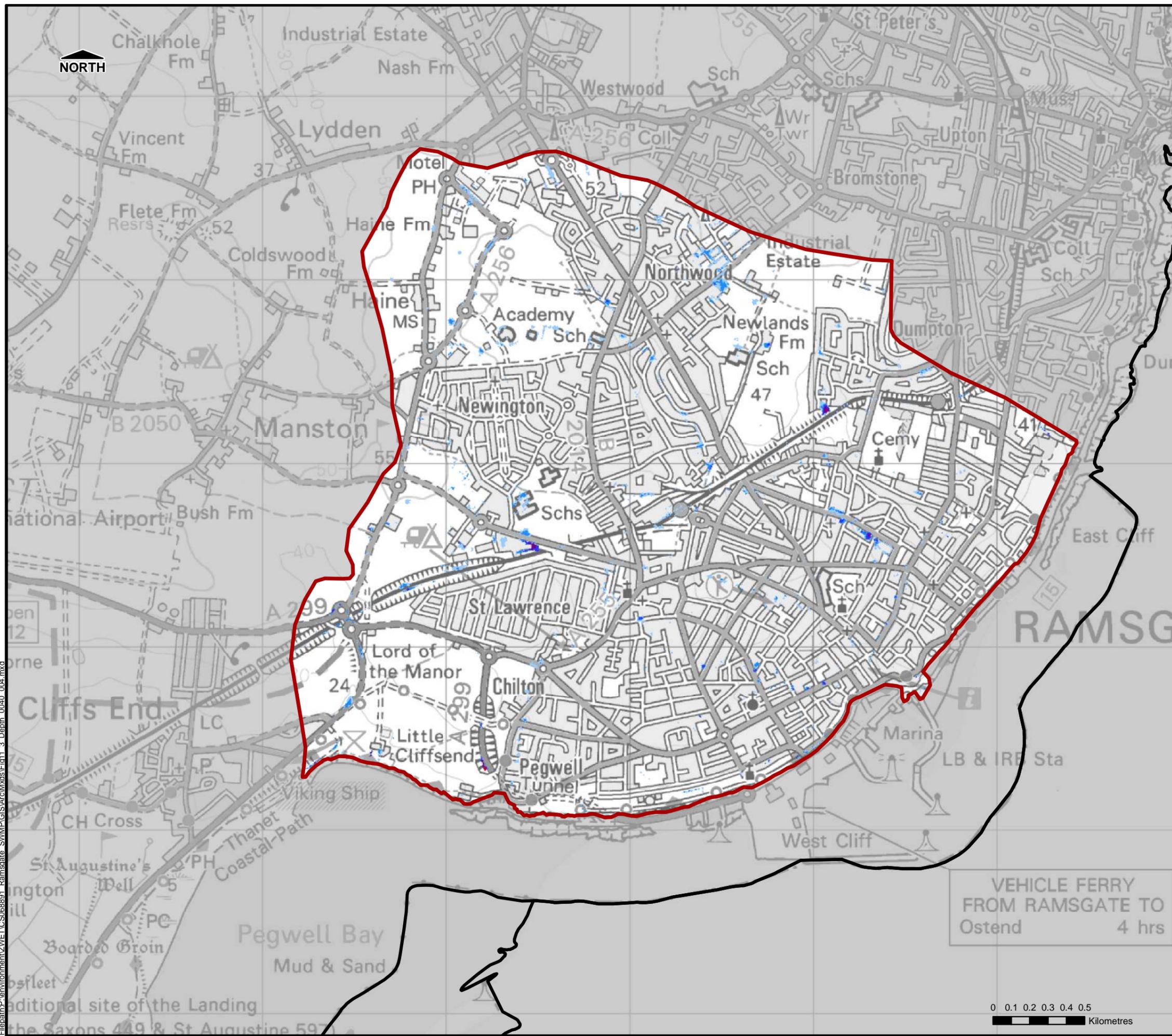
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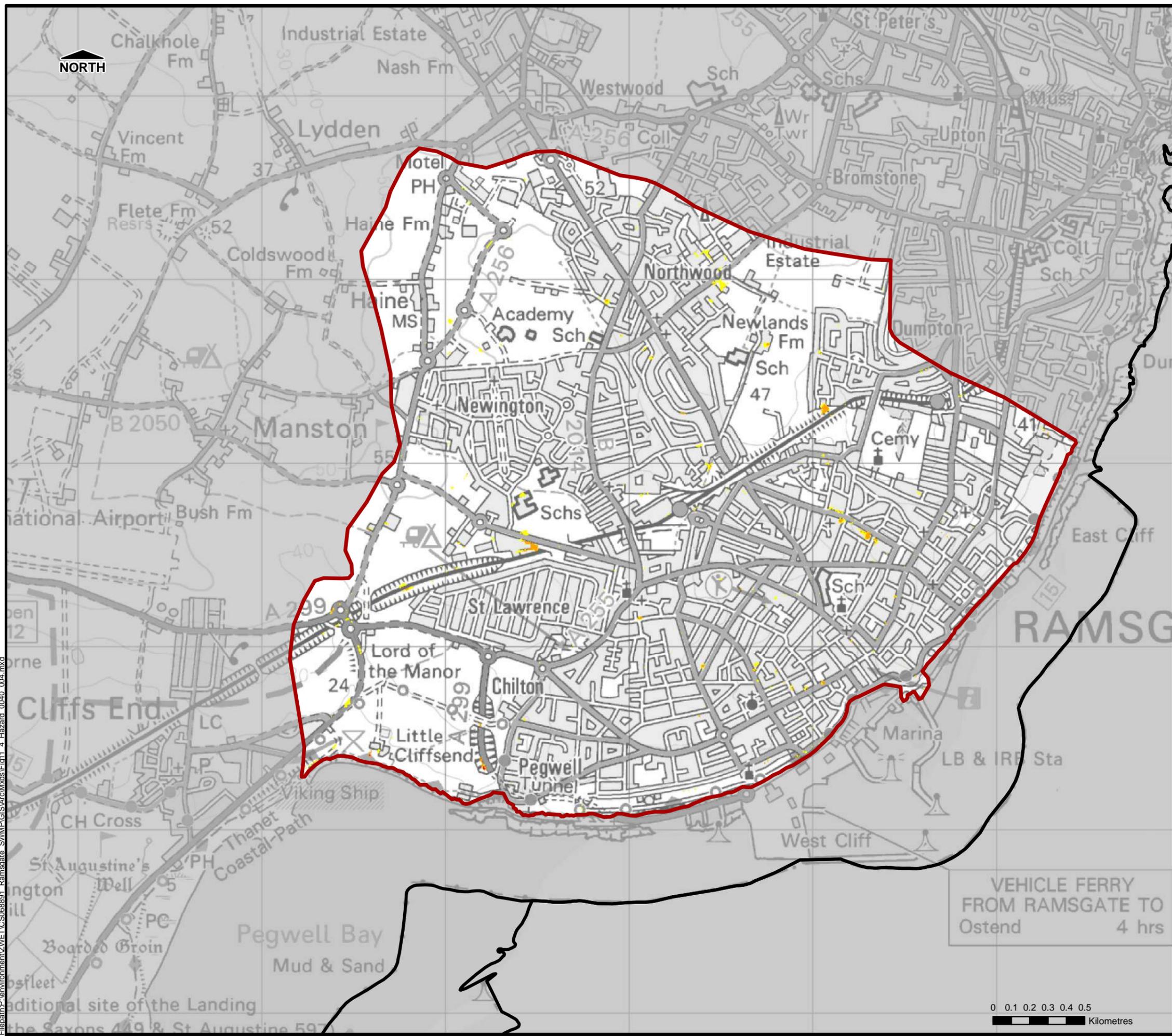
**Surface Water Flood Depth
1 in 40yr, 3hr duration**

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CAPITA Flood Risk Management	

FIGURE 11_3



Filepath: P:\environment\2107\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_3_Depth_0040_004.mxd



Legend

- Study Area
- Administrative Boundary

Flood Hazard

- Caution (Very Low Hazard)
- Moderate (Danger for Some)
- Significant (Danger for Most)
- Extreme (Danger for All)

Notes
 Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Surface Water Flood Hazard
 1 in 40yr, 3hr duration**

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FIGURE 11_4

Filepath: P:\environment\21\ET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_4_Hazard_0040_004.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
 -  Administrative Boundary
- Flood Depth (m)**
-  <0.1m
 -  0.1m - 0.25m
 -  0.25m - 0.5m
 -  0.5m - 1m
 -  1.0m - 1.5m
 -  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



Surface Water Management Plan

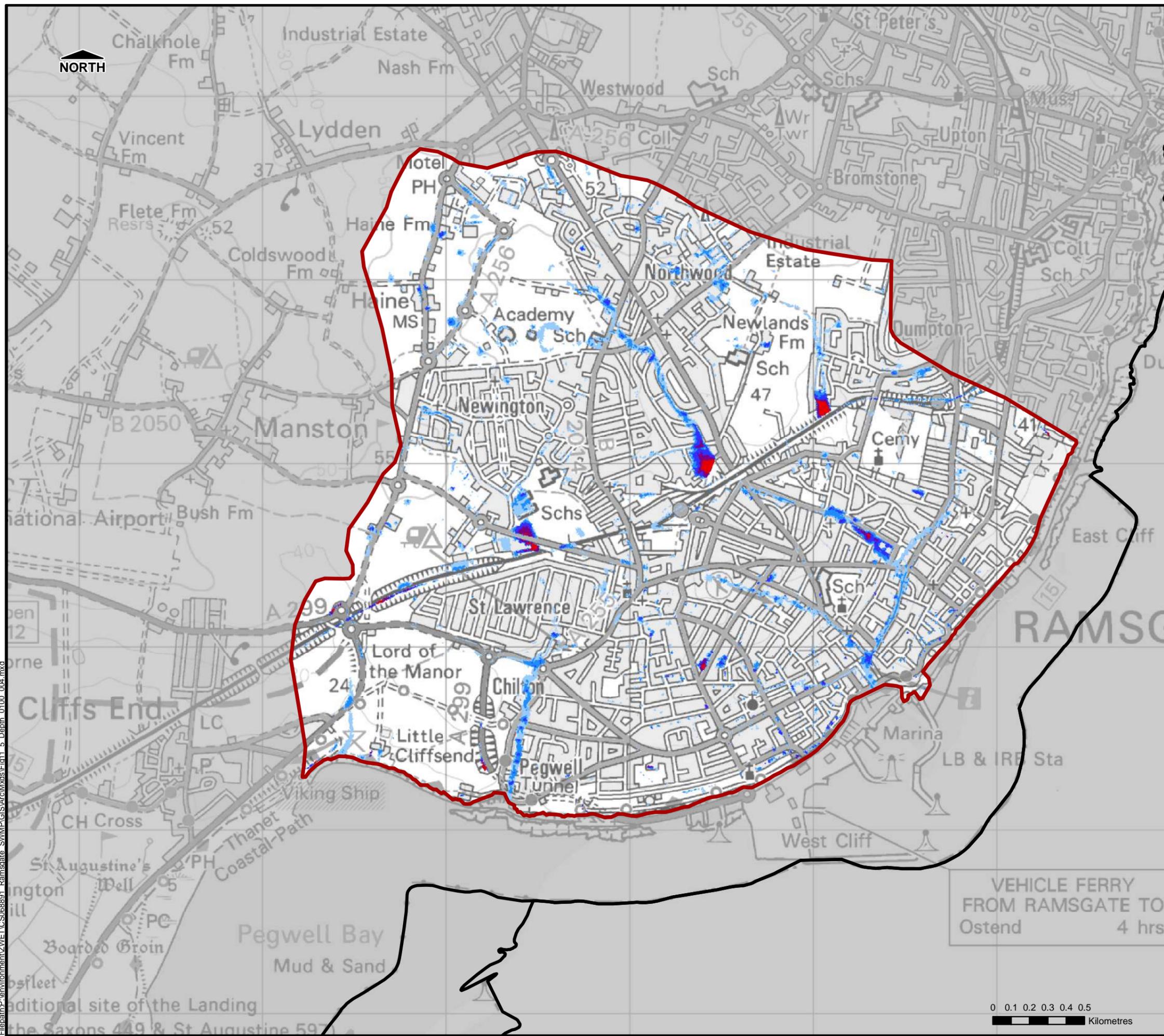
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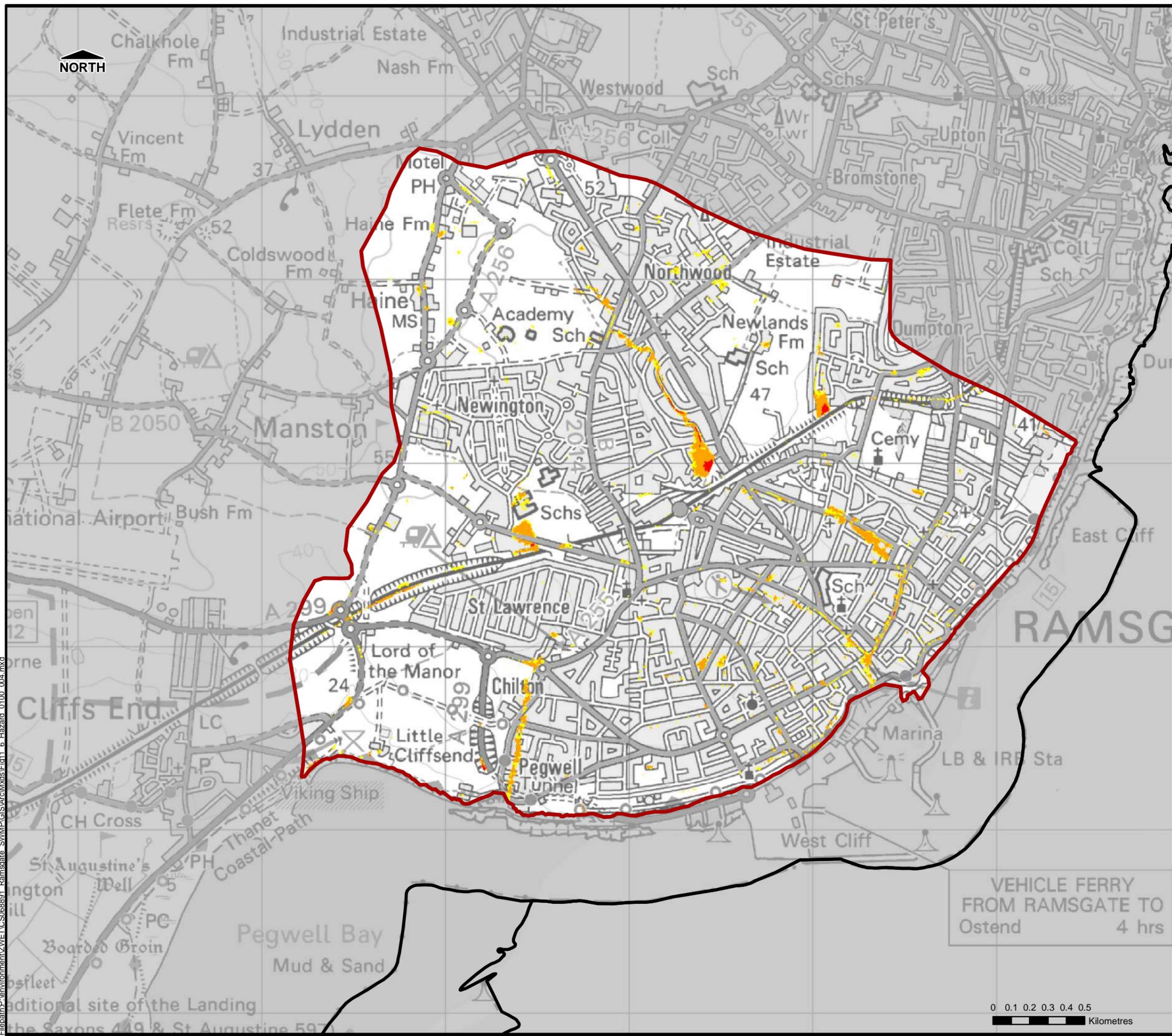
**Surface Water Flood Depth
1 in 100yr, 3hr duration**

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CAPITA Flood Risk Management
Capita 65 Gresham Street London EC2V 7NQ

FIGURE 11_5



Filepath: P:\environment\2107\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_5_Depth_0100_004.mxd



Legend

- Study Area
- Administrative Boundary

Flood Hazard

- Caution (Very Low Hazard)
- Moderate (Danger for Some)
- Significant (Danger for Most)
- Extreme (Danger for All)

Notes
 Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Surface Water Flood Hazard
 1 in 100yr, 3hr duration**

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FIGURE 11_6



Filepath: P:\environment\21\ET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_6_Hazard_0100_004.mxd

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Legend

-  Study Area
 -  Administrative Boundary
- Flood Depth (m)**
-  <0.1m
 -  0.1m - 0.25m
 -  0.25m - 0.5m
 -  0.5m - 1m
 -  1.0m - 1.5m
 -  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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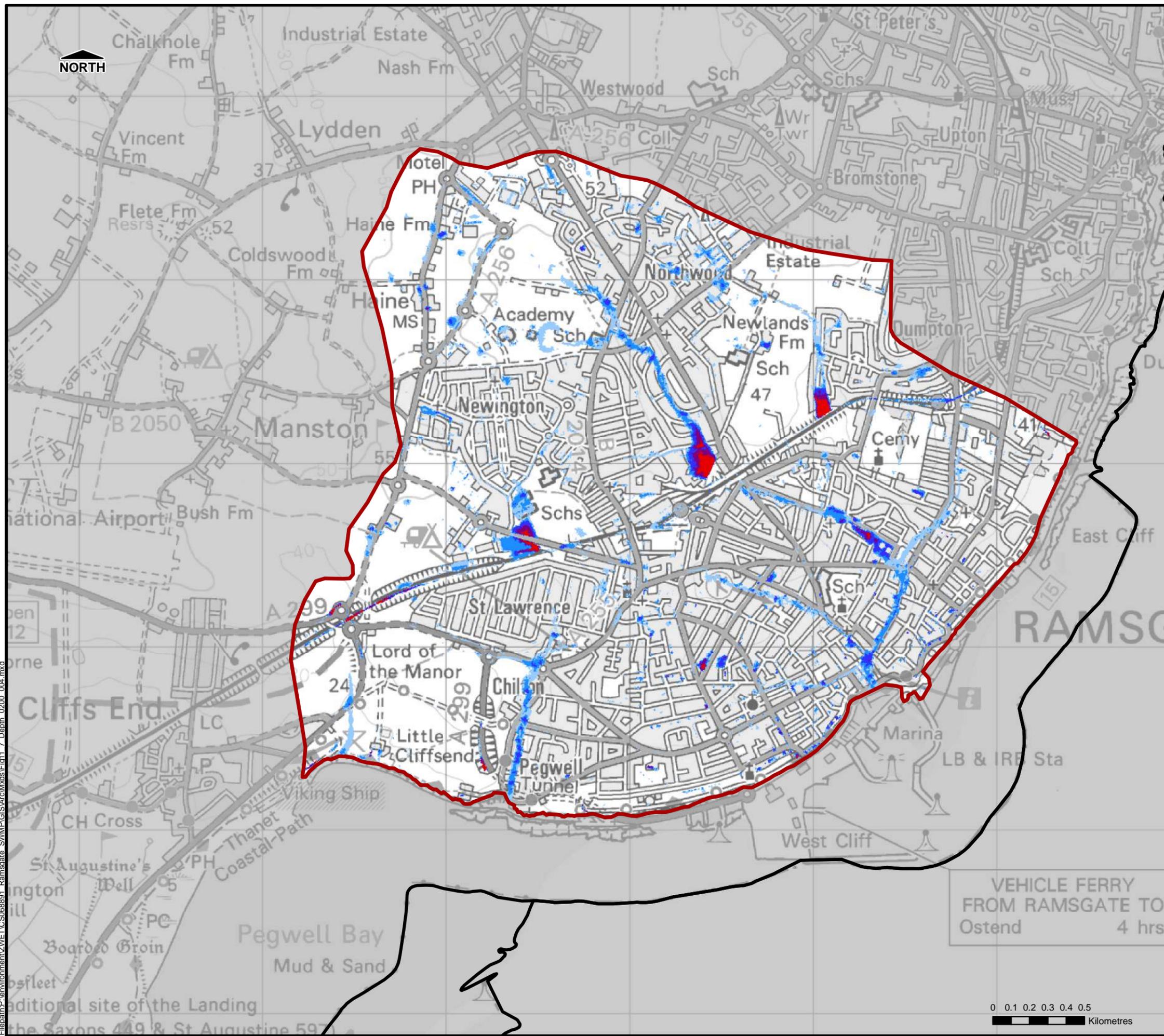
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**Surface Water Flood Depth
1 in 200yr, 3hr duration**

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FIGURE 11_7



Filepath: P:\environment\2107\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_7_Depth_0200_004.mxd

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Legend

-  Study Area
-  Administrative Boundary
- Flood Hazard**
-  Caution (Very Low Hazard)
-  Moderate (Danger for Some)
-  Significant (Danger for Most)
-  Extreme (Danger for All)

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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Scale at A3	Date	Drawn by	Approved by
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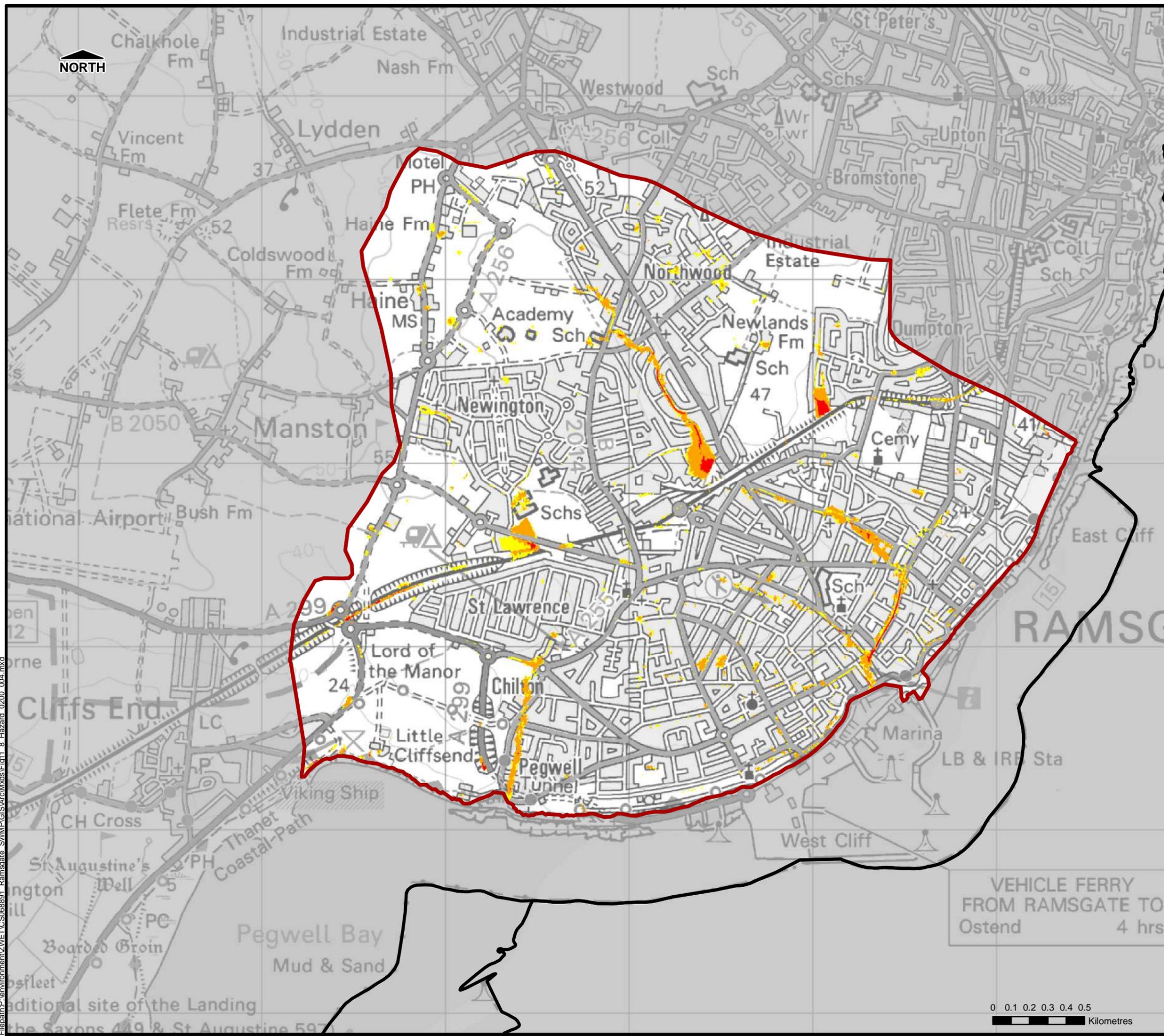
**Surface Water Flood Hazard
1 in 200yr, 3hr duration**

Consultant

CAPITA
Flood Risk Management

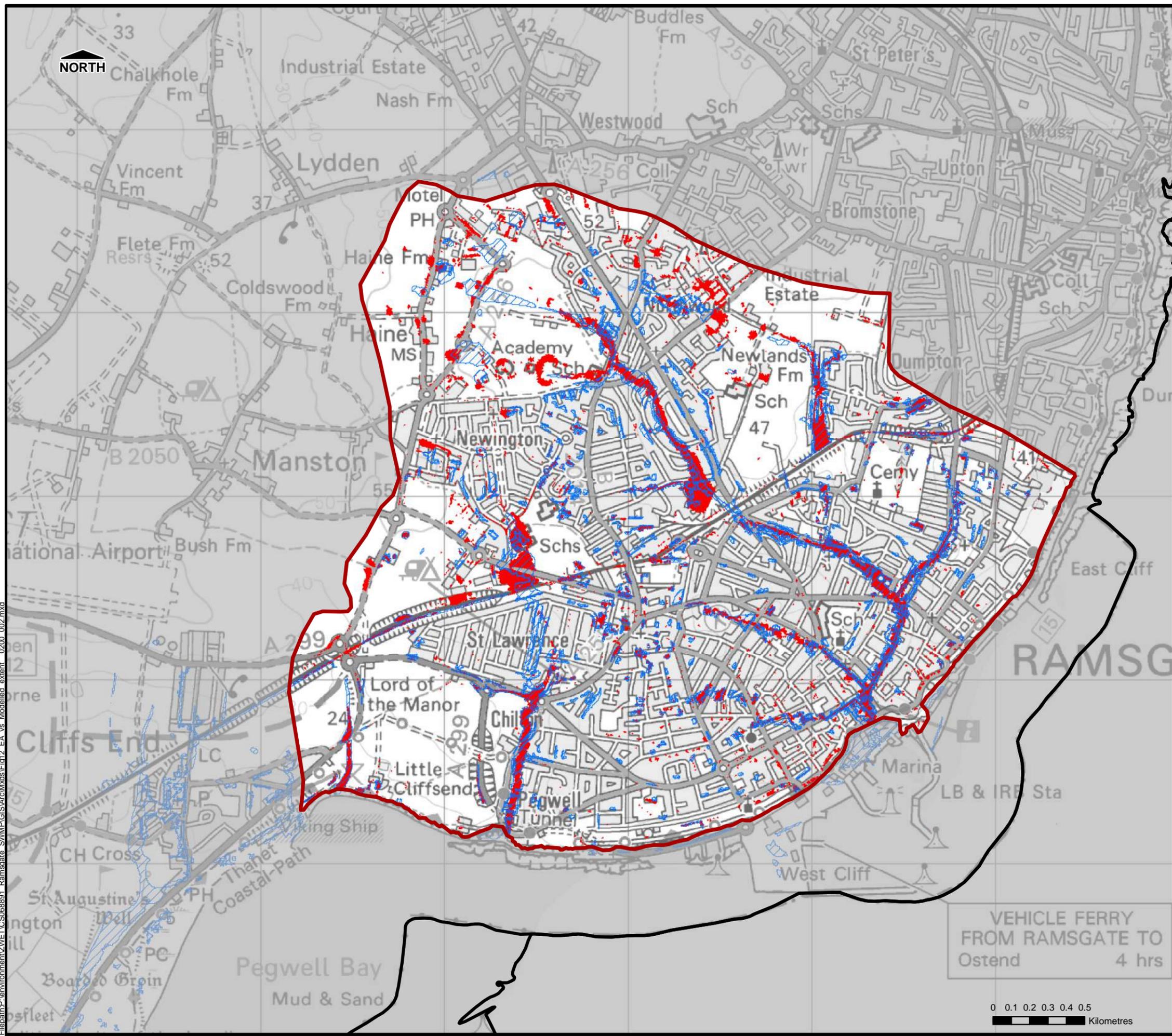
Capita
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FIGURE 11_8



Filepath: P:\environment\21\ET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig11_8_Hazard_0200_004.mxd

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Legend

-  Study Area
-  Administrative Boundary
-  EA FMfSW 200yr
- Modelled Extents 1 in 200yr**
-  0 - 0.1m
-  >0.1m

Notes

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Scale at A3	Date	Drawn by	Approved by
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Comparison of EA FMfSW and Modelled Extent 1 in 200yr, 3hr duration

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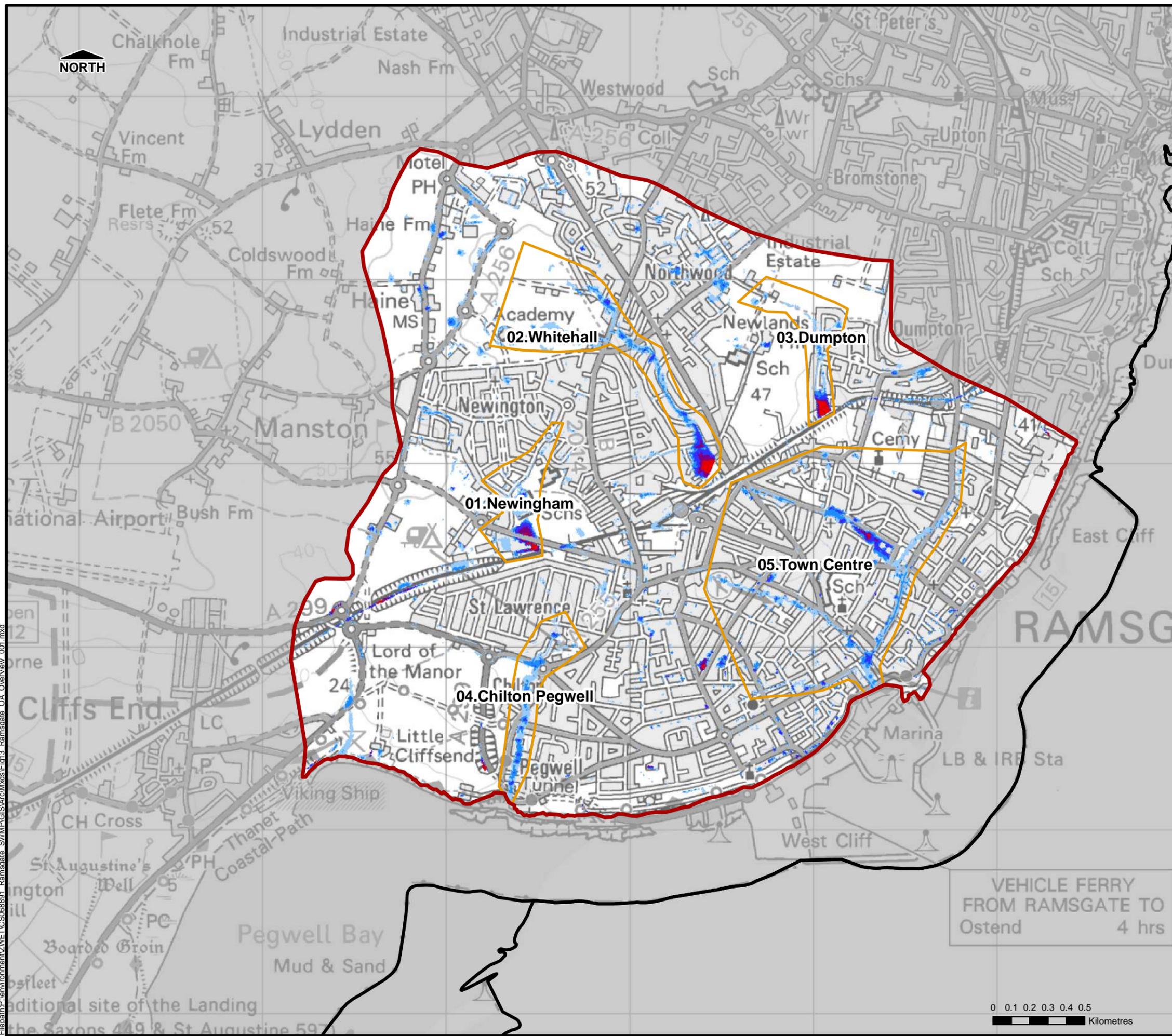
FIGURE 12

Filepath: P:\environment\21\ETLCS068891_Ramsgate_SWMP\GIS\ArcMap\fig12_EA_vs_Modelled_extent_0200_002.mxd

VEHICLE FERRY FROM RAMSGATE TO Ostend 4 hrs

0 0.1 0.2 0.3 0.4 0.5 Kilometres

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Legend

- Study Area
 - Opportunity Areas
 - Administrative Boundary
- Flood Depth (m)**
- <0.1m
 - 0.1m - 0.25m
 - 0.25m - 0.5m
 - 0.5m - 1m
 - 1.0m - 1.5m
 - >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



Surface Water Management Plan

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Scale at A3	Date	Drawn by	Approved by
1:20,000	Mar. 2015	G.ATHANASIA	M.ARTHUR

Ramsgate Opportunity Areas Overview
1 in 100yr, 3hr duration

Consultant
CAPITA Flood Risk Management Capita 65 Gresham Street London EC2V 7NQ

FIGURE 13

Filepath: P:\environment\2\WET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Fig13_Ramsgate_OA_Overview_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
-  Opportunity Areas
-  Administrative Boundary
-  Flow Direction

Flood Depth (m)

-  <0.1m
-  0.1m - 0.25m
-  0.25m - 0.5m
-  0.5m - 1m
-  1.0m - 1.5m
-  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



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Scale at A3	Date	Drawn by	Approved by
1:5,000	Mar. 2015	G.ATHANASIA	M.ARTHUR

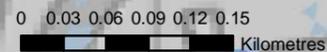
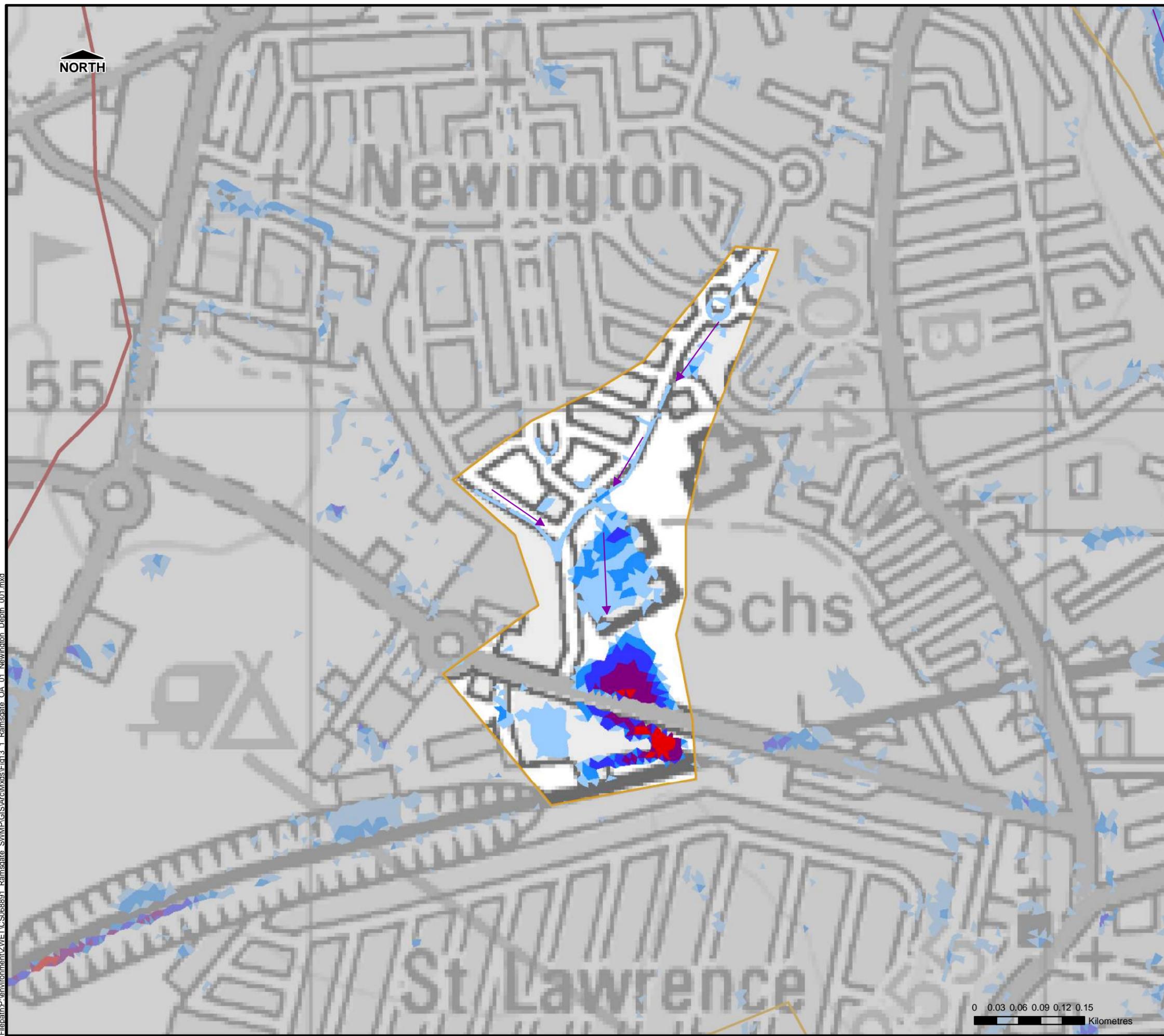
Ramsgate Opportunity Areas 01.Newington 1 in 100yr, 3hr duration

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London
EC2V 7NQ

FIGURE 13_1



Filepath:P:\environment\ZMET\CS068891_Ramsgate_SWMP\GIS\ArcMap\Map13_1_Ramsgate_OA_01_Newington_Depth_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
 -  Opportunity Areas
 -  Administrative Boundary
- Flood Hazard**
-  Caution (Very Low Hazard)
 -  Moderate (Danger for Some)
 -  Significant (Danger for Most)
 -  Extreme (Danger for All)

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



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Scale at A3	Date	Drawn by	Approved by
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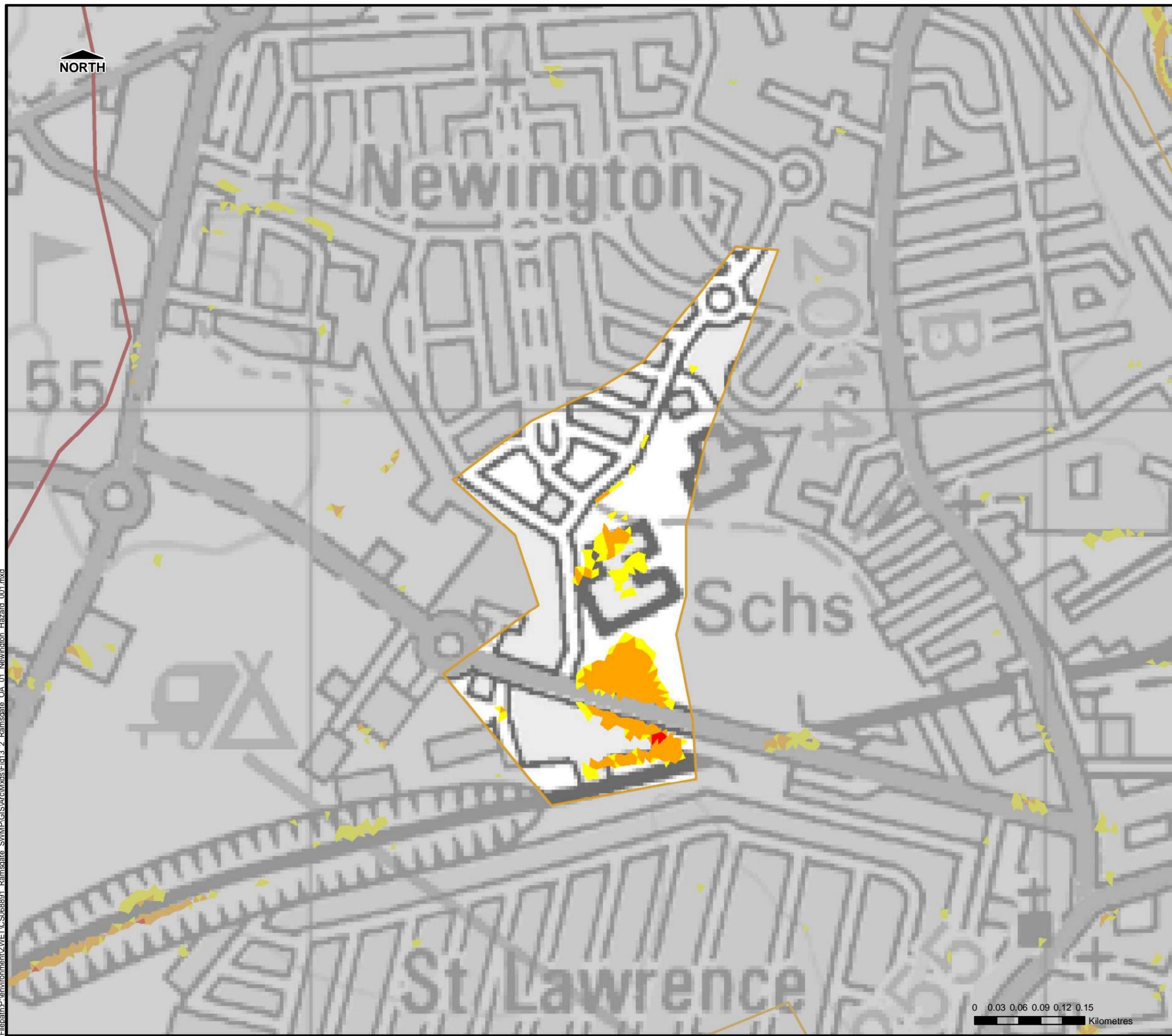
**Ramsgate Opportunity Areas
01.Newington
1 in 100yr, 3hr duration**

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EC2V 7NQ

FIGURE 13_2



Filepath:P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\fig13_2_Ramsgate_OA_01_Newington_Hazard_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
-  Opportunity Areas
-  Administrative Boundary
-  Flow Direction

Flood Depth (m)

-  <0.1m
-  0.1m - 0.25m
-  0.25m - 0.5m
-  0.5m - 1m
-  1.0m - 1.5m
-  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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Scale at A3	Date	Drawn by	Approved by
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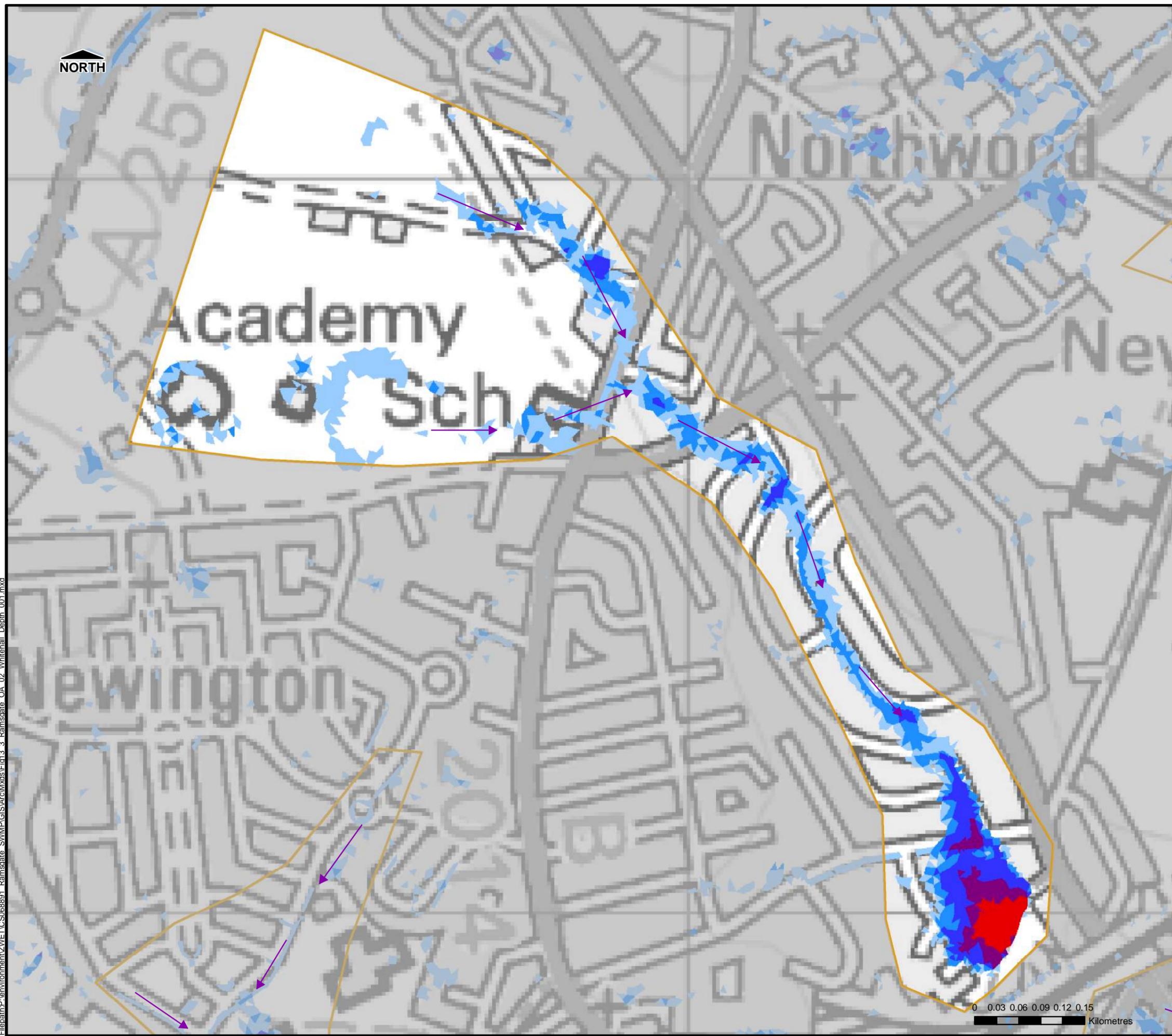
**Ramsgate Opportunity Areas
02.Whitehall
1 in 100yr, 3hr duration**

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EC2V 7NQ

FIGURE 13_3



Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Map13_3_Ramsgate_OA_02_Whitehall_Depth_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
-  Opportunity Areas
-  Administrative Boundary

Flood Depth (m)

-  <0.1m
-  0.1m - 0.25m
-  0.25m - 0.5m
-  0.5m - 1m
-  1.0m - 1.5m
-  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



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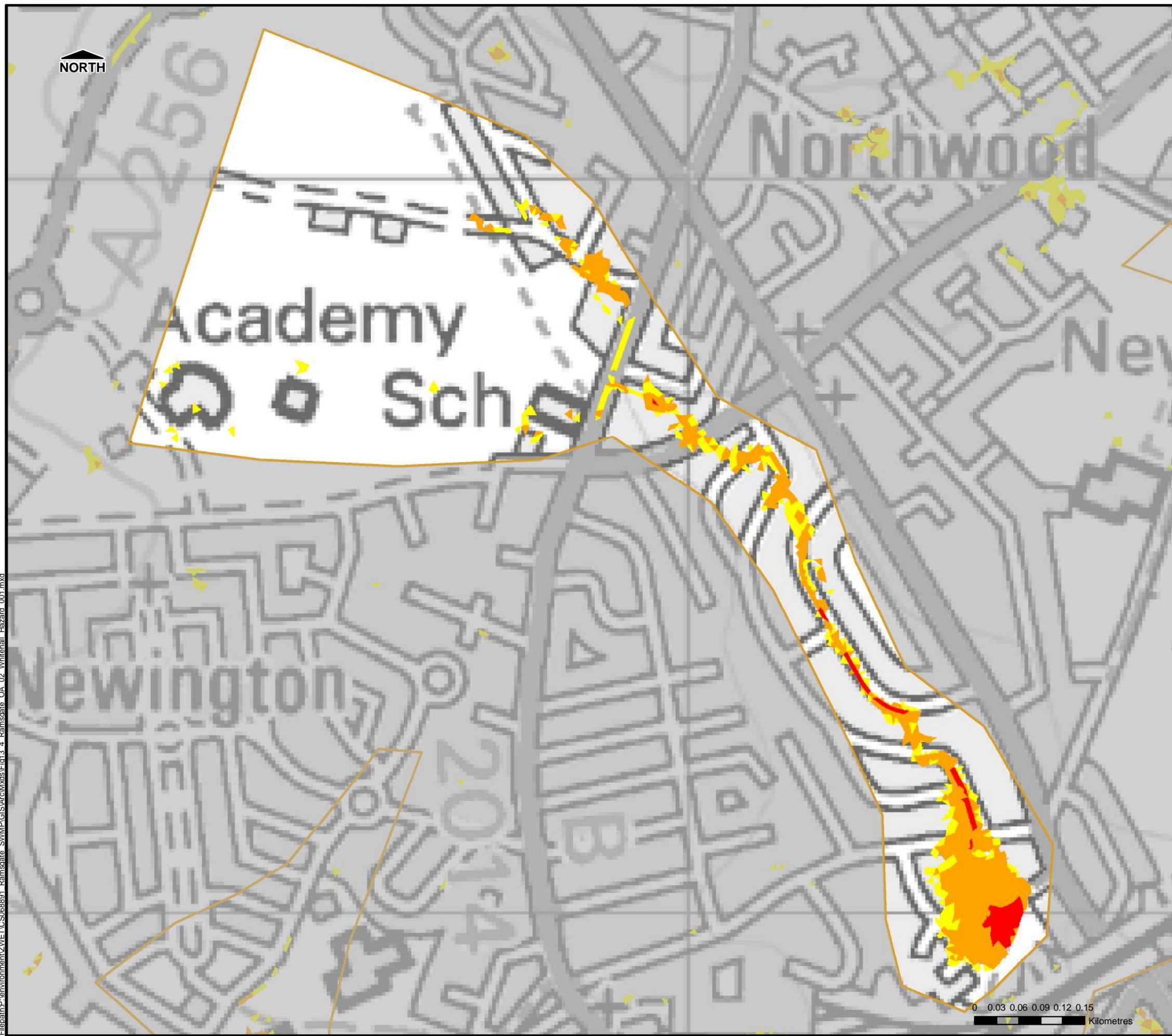
**Ramsgate Opportunity Areas
02.Whitehall
1 in 100yr, 3hr duration**

Consultant

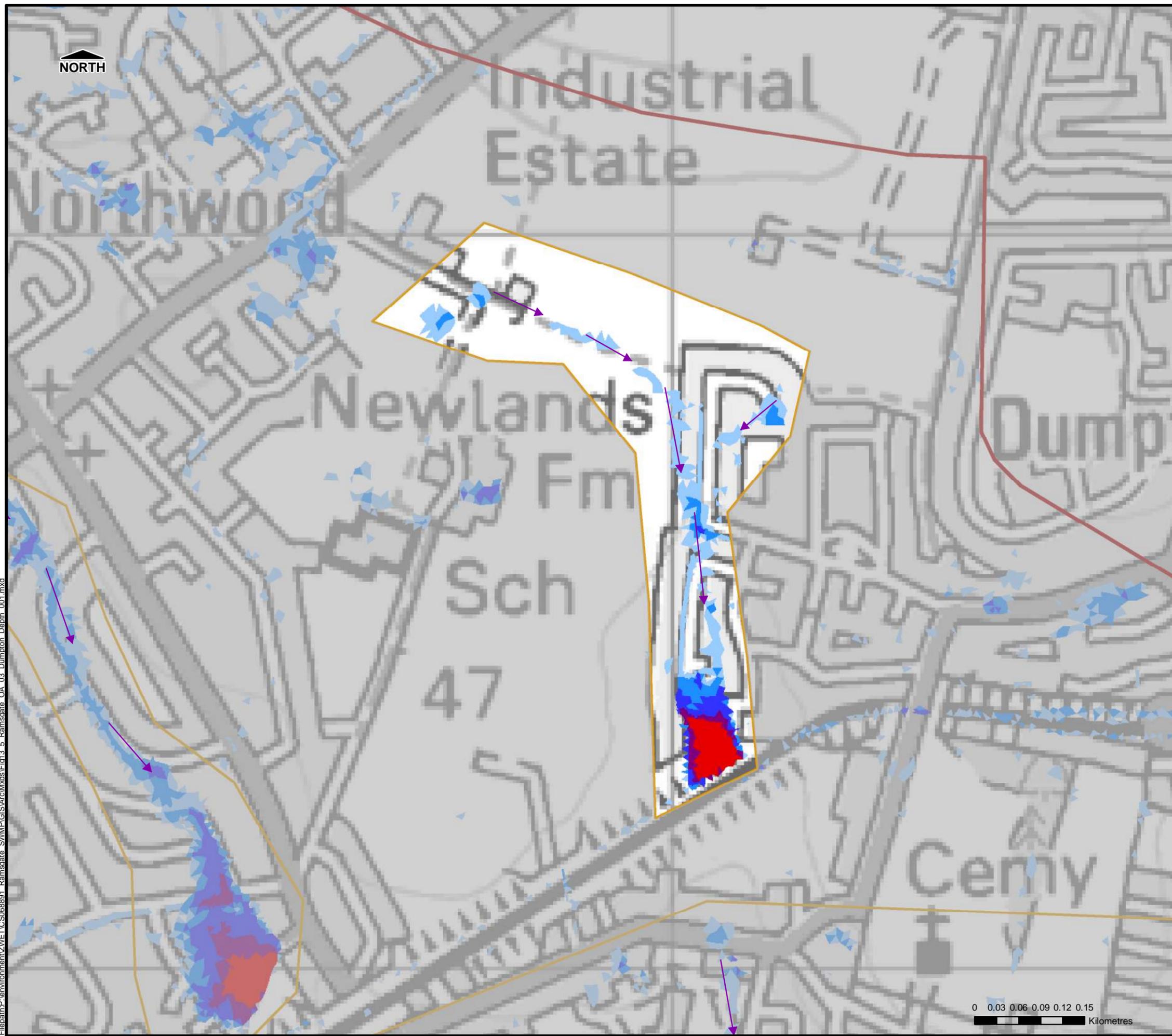
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FIGURE 13_4



Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Map13_4_Ramsgate_OA_02_Whitehall_Hazard_001.mxd



Legend

- Study Area
- Opportunity Areas
- Administrative Boundary
- Flow Direction

Flood Depth (m)

- <0.1m
- 0.1m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1m
- 1.0m - 1.5m
- >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



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Scale at A3	Date	Drawn by	Approved by
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**Ramsgate Opportunity Areas
03.Dumpton
1 in 100yr, 3hr duration**

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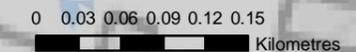


FIGURE 13_5

Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Fig13_5_Ramsgate_OA_03_Dumpton_Depth_001.mxd



Legend

- Study Area
 - Opportunity Areas
 - Administrative Boundary
- Flood Hazard**
- Caution (Very Low Hazard)
 - Moderate (Danger for Some)
 - Significant (Danger for Most)
 - Extreme (Danger for All)

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

Ramsgate



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**Ramsgate Opportunity Areas
03.Dumpton
1 in 100yr, 3hr duration**

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FIGURE 13_6

Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Map13_6_Ramsgate_OA_03_Dumpton_Hazard_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

-  Study Area
-  Opportunity Areas
-  Administrative Boundary
-  Flow Direction

Flood Depth (m)

-  <0.1m
-  0.1m - 0.25m
-  0.25m - 0.5m
-  0.5m - 1m
-  1.0m - 1.5m
-  >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Ramsgate Opportunity Areas
04.Chilton/Pegwell
1 in 100yr, 3hr duration**

Consultant

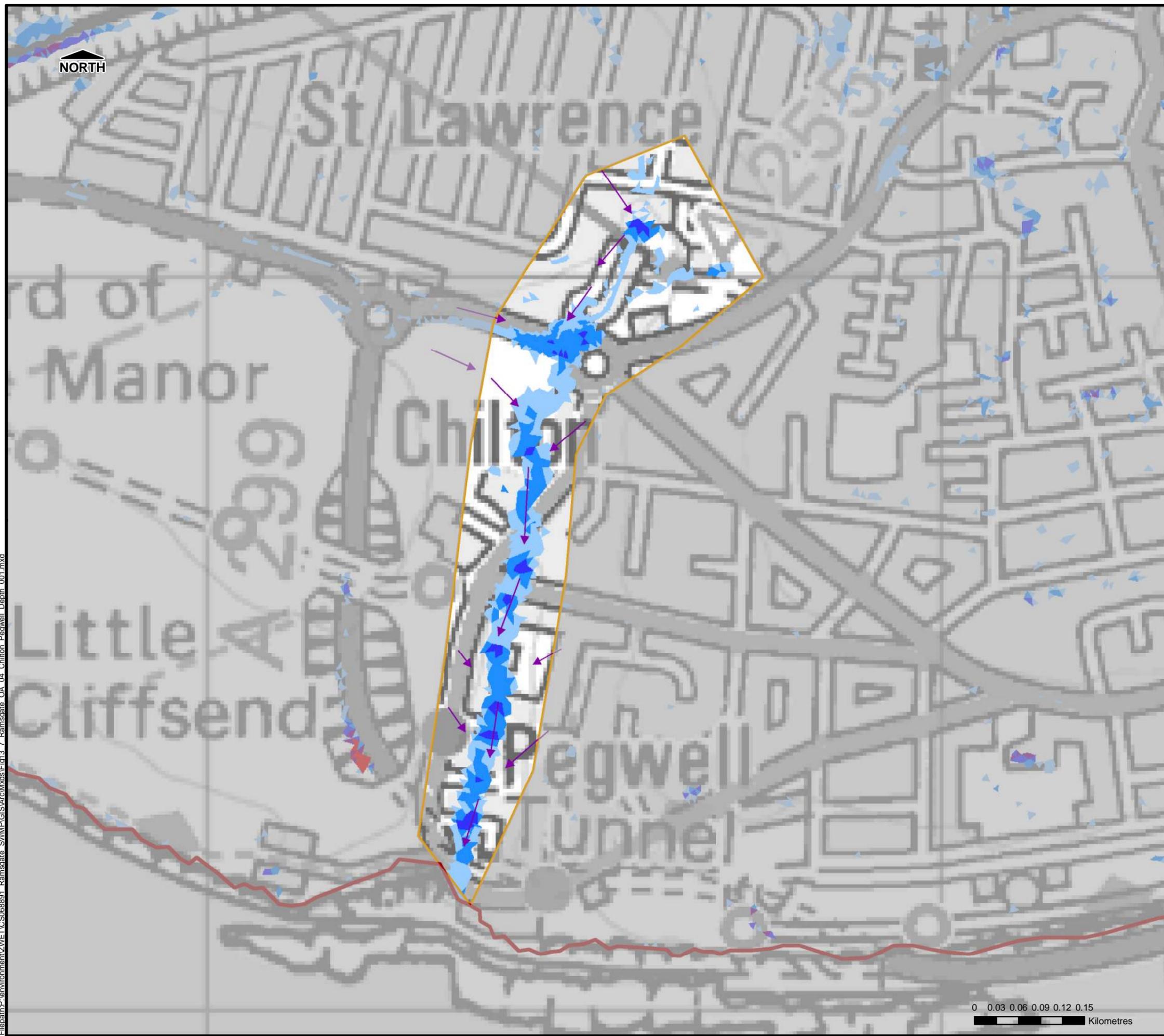
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FIGURE 13_7

Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Map13_7_Ramsgate_OA_04_Chilton_Pegwell_Depth_001.mxd



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Legend

- Study Area
 - Opportunity Areas
 - Administrative Boundary
- Flood Hazard**
- Caution (Very Low Hazard)
 - Moderate (Danger for Some)
 - Significant (Danger for Most)
 - Extreme (Danger for All)

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Ramsgate Opportunity Areas
04.Chilton/Pegwell
1 in 100yr, 3hr duration**

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FIGURE 13_8



Filepath:P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Map13_8_Ramsgate_OA_04_Chilton_Pegwell_Hazard_001.mxd

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Legend

- Study Area
- Opportunity Areas
- Administrative Boundary
- Flow Direction

Flood Depth (m)

- <0.1m
- 0.1m - 0.25m
- 0.25m - 0.5m
- 0.5m - 1m
- 1.0m - 1.5m
- >1.5m

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Ramsgate Opportunity Areas
05.Town Centre
1 in 100yr, 3hr duration**

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FIGURE 13_9



Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Fig13_9_Ramsgate_OA_05_Town_Centre_Depth_001.mxd

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED

Legend

- Study Area
 - Opportunity Areas
 - Administrative Boundary
- Flood Hazard**
- Caution (Very Low Hazard)
 - Moderate (Danger for Some)
 - Significant (Danger for Most)
 - Extreme (Danger for All)

Notes

Refer to Section 3 and Appendix D of the Ramsgate SWMP document for details of the limitations and assumptions that need to be accounted for when interpreting the modelled flood depths / hazard extents shown on this figure.

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**Ramsgate Opportunity Areas
05.Town Centre
1 in 100yr, 3hr duration**

Consultant

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FIGURE 13_10



Filepath: P:\environment\ZWE\TCS\068891_Ramsgate_SWMP\GIS\ArcMap\Fig13_10_Ramsgate_OA_05_Town_Centre_Hazard_001.mxd