

Appendix A. Figures

THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES OF THE ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.

LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Wall
- Flood Gate

Notes

An update of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colne and Blackwater Estuary was developed in 2010 (UCL). This model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period. The model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period. The model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period.

Output from the modelling from selected scenarios, have been presented in this map. The model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period. The model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period.

As part of the development of a model to simulate a breach in the Colne Estuary, the Environment Agency has conducted a series of studies to assess the risk of a breach in the Colne Estuary. The model was used to generate the flood extent for the 0.2% AEP (1 in 500 years) return period.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain through out the extreme flood event.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

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Revision	Date	By	Check	Date	By

Version 1

COLCHESTER BOROUGH COUNCIL
STRATEGIC FLOOD
RISK ASSESSMENT

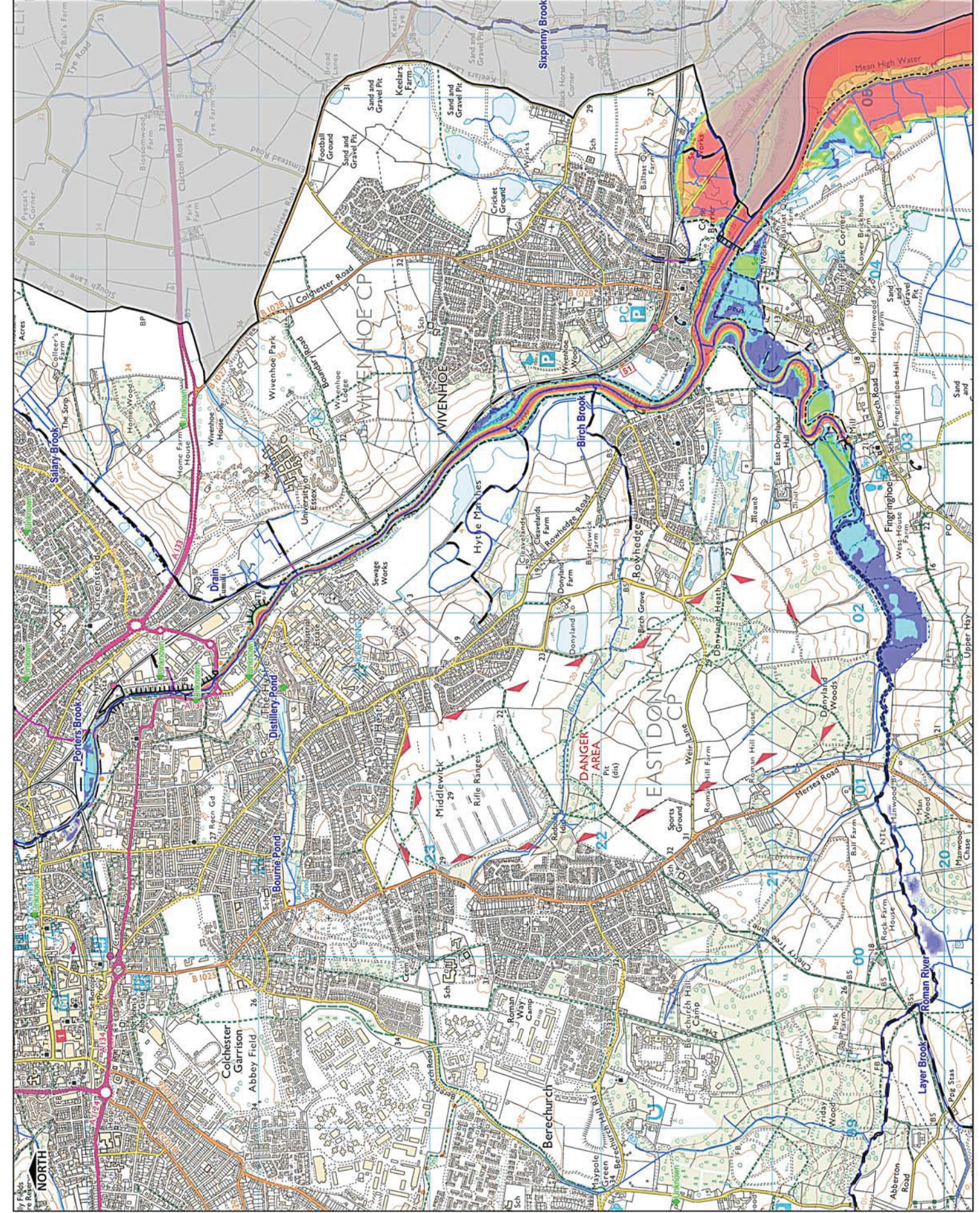
COLNE AND BLACKWATER ESTUARY MODEL
MAXIMUM FLOOD DEPTH
0.2% AEP (100YR) 2015

Drawn: SL
 Checked: SK
 Approved: CP
 Scale: A1
 Date: AUG 2016
 AECOM Project No: B0473444
 Scale of A1: 1:20,000

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Figure A1.1



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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)
- Unknown

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Galls
- Wall

Notes

As part of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colchester and Blackwater Estuary was developed (CBE Model). The model is based on the most recent available data for the Colchester and Blackwater Estuary, and the River Crouch, Colchester upstream to Mythe Station, and the Norman River upstream to Layer de la Haye (but not as far as Marks Tey).

Outputs from the modelling from selected scenarios, have been presented. As part of the development of a model to simulate a breach in the Colchester and Blackwater Estuary, the model was run for the present day (2010) and model outputs were used to generate maps for the present day (2010) and model outputs were used to generate maps for the present day (2010) and model outputs were used to generate maps for the present day (2010).

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain through out the entire model calculation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

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Revision Details

No.	Change	Date	By	Checked	Date	By
1	Issue for Approval	15/08/2016				

Version 1

Project Title
COLCHESTER, THE PLAN TO LIVE, WORK, LEARN, AND VISIT

Client
COLCHESTER BOROUGH COUNCIL
STRATEGIC FLOOD RISK ASSESSMENT

Project No.
COLCHESTER AND BLACKWATER ESTUARY MODEL
MAXIMUM FLOOD DEPTH
0.5% AEP (60/yr) 2015

Drawn SL
Checked SK
Approved CP
Date AUG 2016

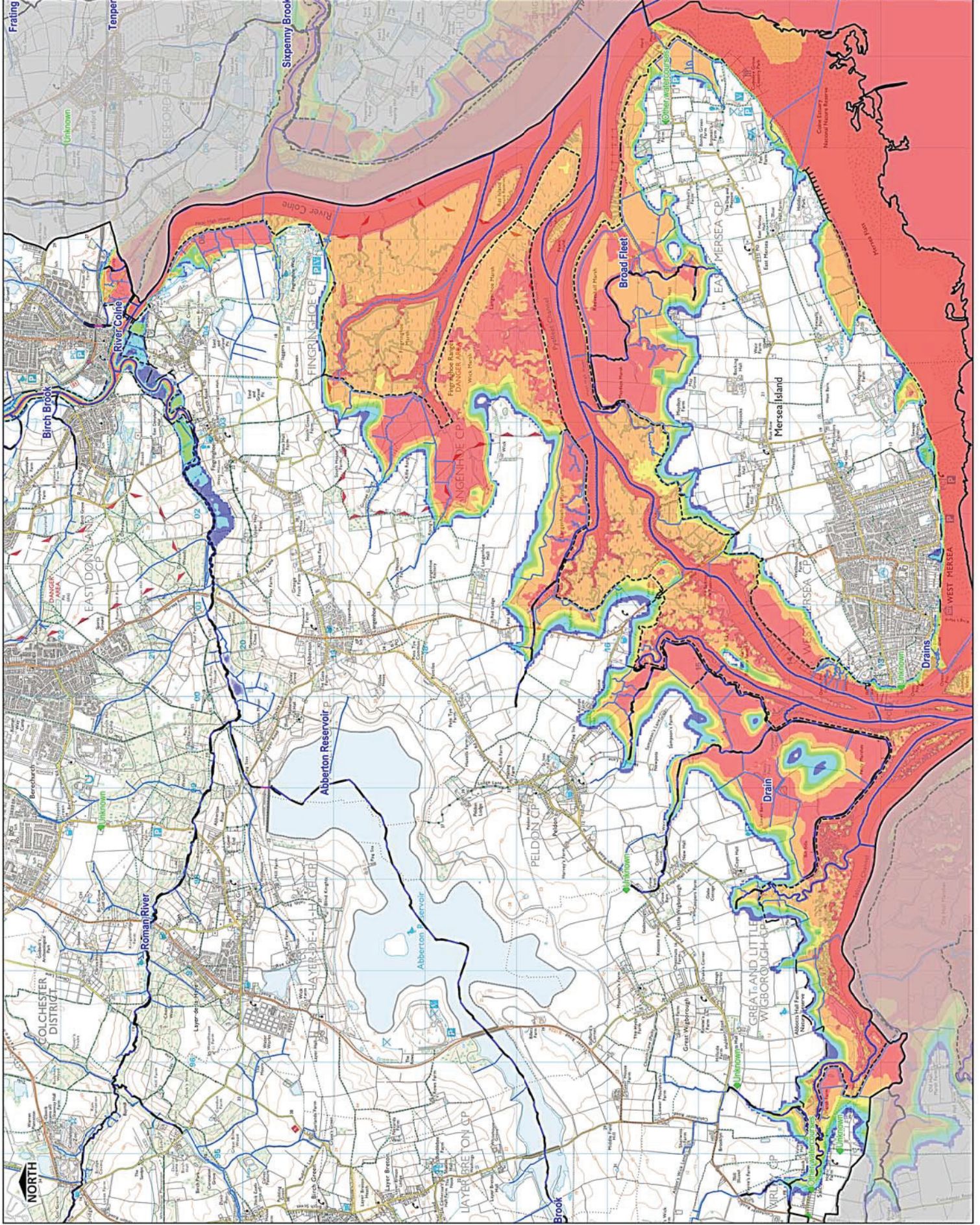
Scale of A3
Scale of A0
1:35,000

ACCOM Inland Project No.
60473444

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Figure Number
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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Wall
- Flood Gate

Notes

An update of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colne and Blackwater Estuary was developed in 2010 (CBE). In the background of the River Colne, the most recent model was the 2010 CBE model. The River Colne Estuary was modelled by Colchester upstream to Wivenhoe Station, and the Roman River upstream to Layer de la Haye. (but not as far as Marks Tey).

Outputs from the modelling from selected scenarios, have been presented. As part of the development of a model to simulate a breach in the Colne Estuary, the model was run for the period 2010 to 2015, and the model was run for the period 2010 to 2015. The outputs presented in the adjacent maps therefore correspond to these time horizons.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain through out the entire model calculation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

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Revision Details	No.	Check Date	Date

Proposed by Issue

VERSION 1

Client

Colchester, the place to live, learn, work, and visit.

Project No.

COLCHESTER BOROUGH COUNCIL
STRATEGIC FLOOD
RISK ASSESSMENT

Document No.

COLNE AND BLACKWATER ESTUARY MODEL
MAXIMUM FLOOD DEPTH
0.5% AEP (2010) INCL. CLIMATE CHANGE 2115

Drawn	Checked	Approved	Date
SL	SK	CP	AUG 2016
Scale of A3	Scale of A3	Scale of A3	Scale of A3
AECOM Internal Project No. 1720000			
B0473444			

This document has been prepared in accordance with the requirements of the Environmental Information Regulations 2004 (EIR) and the Freedom of Information Act 2000 (FOIA). It is intended for use as a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

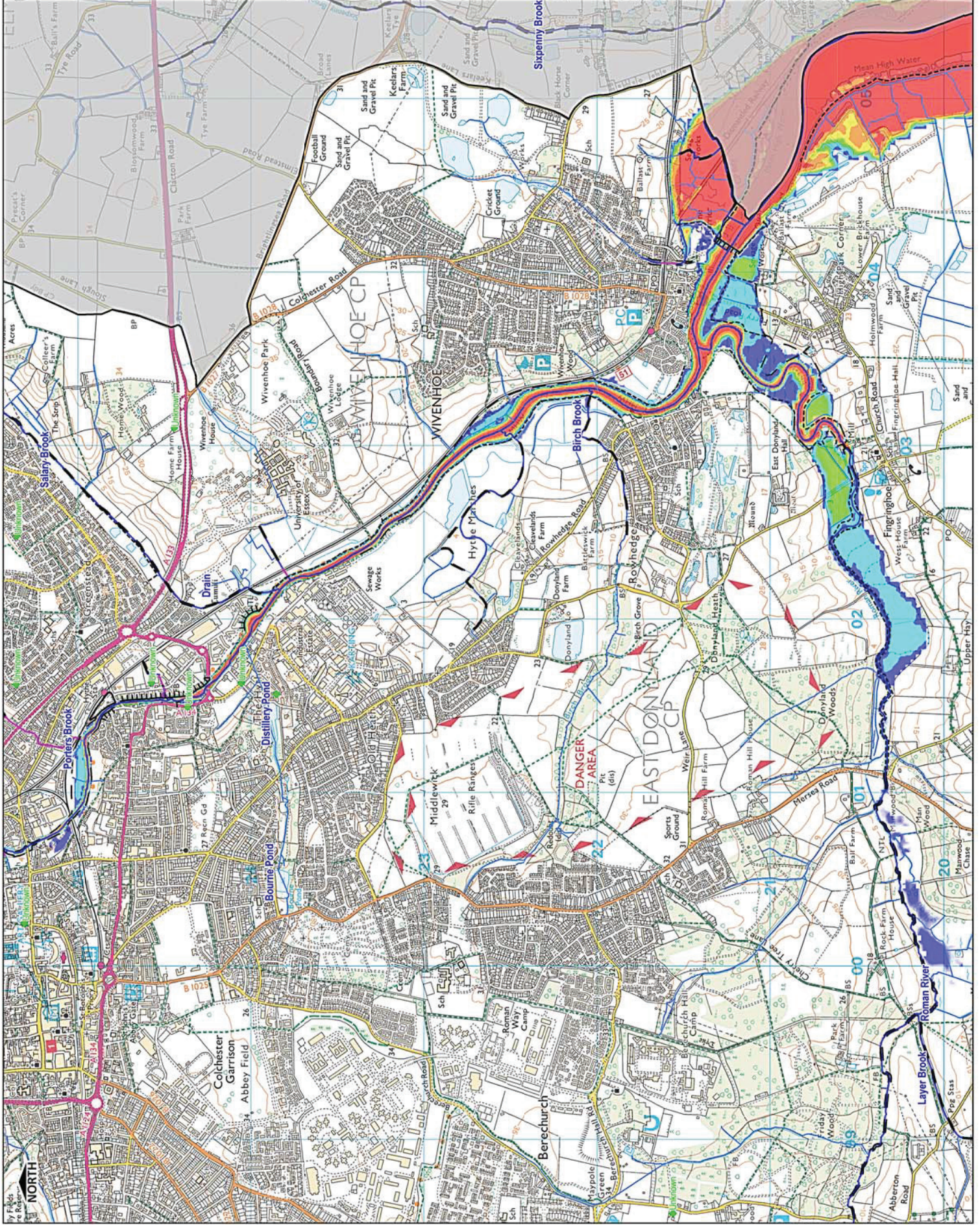
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1720000

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FIGURE A2.1



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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Wall
- Flood Gate

Notes

As part of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colne and Blackwater Estuary was developed (M10) in 2016. The model of the River Colne was the most recent model of the River Colne. The model of the River Colne was developed by the Environment Agency in 2016. The model of the River Colne was developed by the Environment Agency in 2016. The model of the River Colne was developed by the Environment Agency in 2016.

Output from the modelling from defended locations, have been presented. As part of the development of a model to simulate a breach in the Colne River, the model was used to simulate a breach in the Colne River. The model was used to simulate a breach in the Colne River. The model was used to simulate a breach in the Colne River. The model was used to simulate a breach in the Colne River.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain through out the entire model simulation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

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Revision Details	No.	Check	Date	By

VERSION 1

Colchester, the plan to live, learn, work, and visit.

COLCHESTER BOROUGH COUNCIL

STRATEGIC FLOOD RISK ASSESSMENT

COLNE AND BLACKWATER ESTUARY MODEL

MAXIMUM FLOOD DEPTH

0.5% AEP (200YR) INCL. CLIMATE CHANGE 2115

Drawn: SL

Checked: SK

Approved: CP

Date: AUG 2018

Scale: A1

Project No: 1-35,000

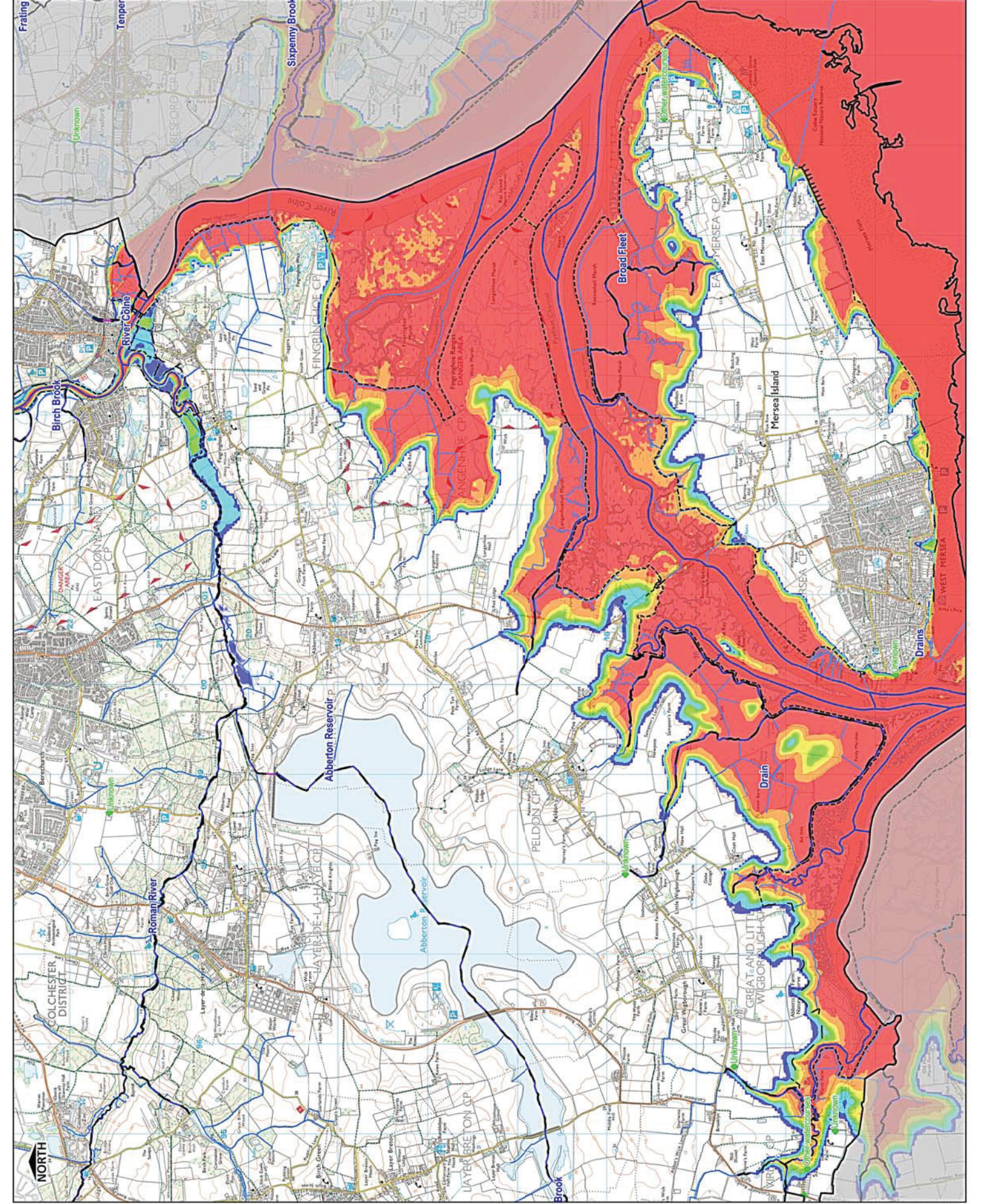
Project Name: 60473444

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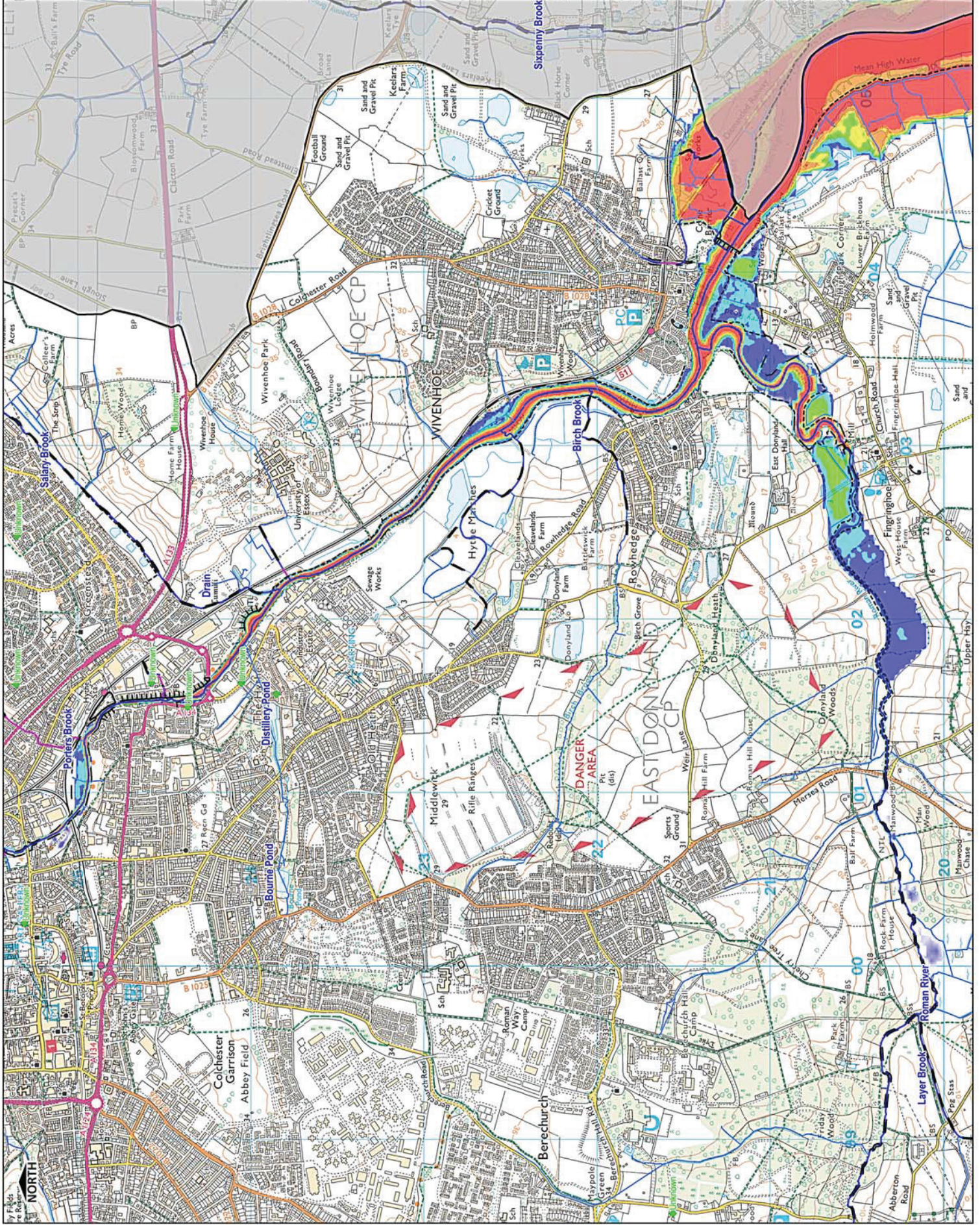
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Figure Number: **1**



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- LEGEND**
- Administrative Boundaries
 - Main River
 - Ordinary Watercourse
 - Flood Records (Essex County Council)
- Maximum Flood Depth (m)**
- 0.1 - 0.5m
 - 0.5 - 1.0m
 - 1.0 - 1.5m
 - 1.5 - 2.0m
 - 2.0 - 3.0m
 - > 3.0m
- Asset Information Management System - Defences**
- Embankment
 - High Ground
 - Wall
 - Flood Gate

Notes

An update of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colne and Blackwater Estuary was developed in 2010 (CBE Model). In the background of the River Colne, the most recent model used was the CBE Model. The River Colne Estuary was modelled using the CBE Model. The River Colne Estuary was modelled using the CBE Model. The River Colne Estuary was modelled using the CBE Model.

Output from the modelling from selected scenarios, have been presented. As part of the development of a model to simulate a breach in the Colne Estuary, the model was used to simulate a breach in the Colne Estuary. The model was used to simulate a breach in the Colne Estuary. The model was used to simulate a breach in the Colne Estuary.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain through out the entire model calculation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

Revision Details		No.	Check	Date	By
Purpose of Issue		VERSION 1			
Client					
Project Title					
Project No.					

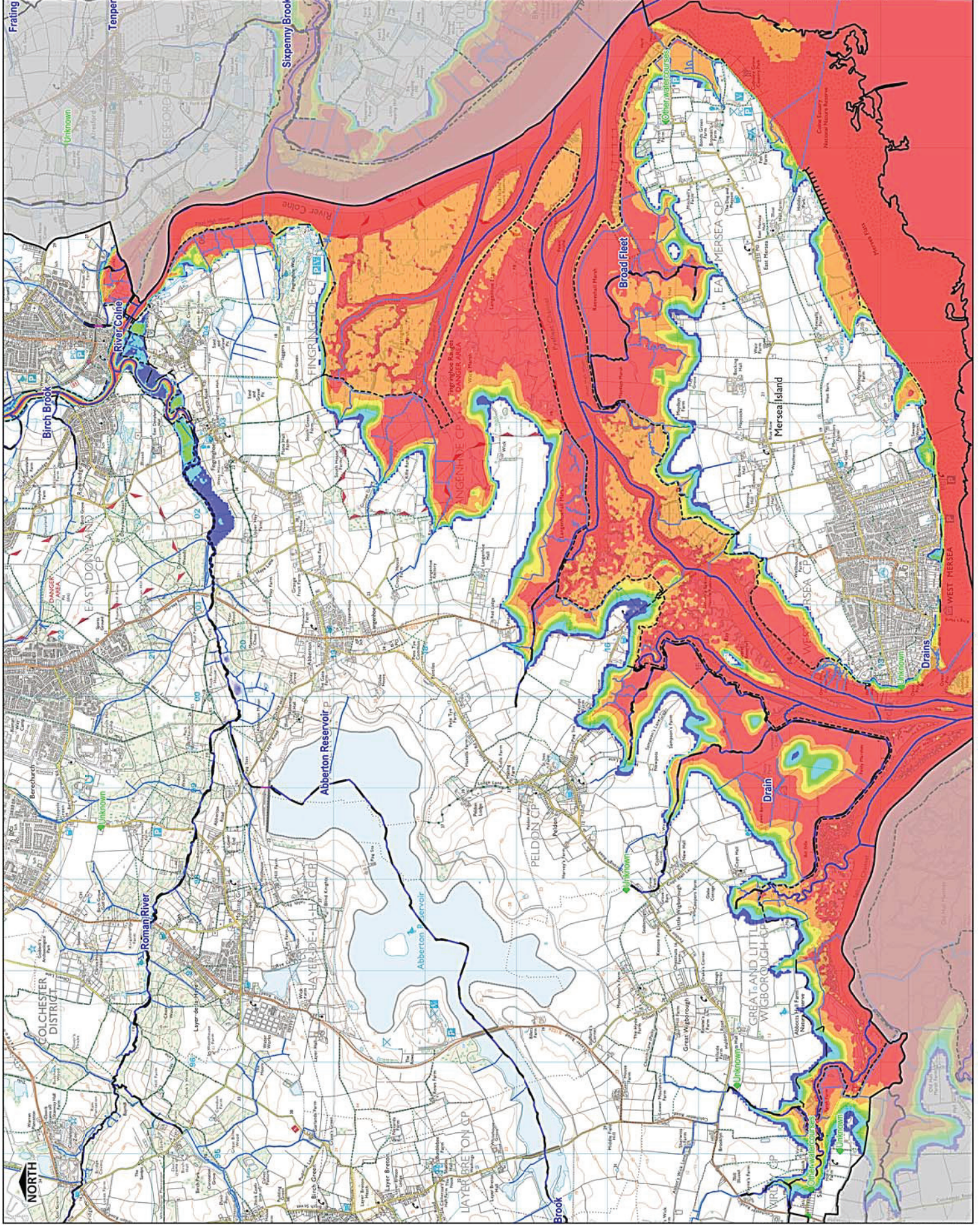
COLCHESTER BOROUGH COUNCIL
STRATEGIC FLOOD
RISK ASSESSMENT

COLNE AND BLACKWATER ESTUARY MODEL
MAXIMUM FLOOD DEPTH
0.1% AEP (1000PR) 2015

Drawn: SL
 Checked: SK
 Approved: CP
 Scale of A1
 AECOM Internal Project No: B0473444
 Date: AUG 2016
 Scale of A1
 1:20,000

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Drawing Number: **FIGURE A3.1**
 Rev: **1**



LEGEND

- Administrative Boundaries
 - Main River
 - Ordinary Watercourse
 - Flood Records (Essex County Council)
- Maximum Flood Depth (m)**
- 0.1 - 0.5m
 - 0.5 - 1.0m
 - 1.0 - 1.5m
 - 1.5 - 2.0m
 - 2.0 - 3.0m
 - > 3.0m
- Asset Information Management System - Defences**
- Embankment
 - High Ground
 - Wall
 - Flood Gate

Notes

As part of the Environment Agency national programme of coastal and fluvial modelling, a model of the Colne and Blackwater Estuary was developed (UCL model). The model is the most recent model used for the River Colne and Blackwater Estuary. The model is used to generate maximum flood depths for the present day (2015) and modelled climate change to 2115. The outputs presented in the adjacent maps therefore correspond to these time horizons.

Outputs from the modelling from selected scenarios, have been presented. As part of the development of a model to simulate a breach in the Colne River, the model was used to generate maximum flood depths for the present day (2015) and modelled climate change to 2115. The outputs presented in the adjacent maps therefore correspond to these time horizons.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain throughout the entire model simulation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

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Revision	Date	By	Check	Date	By

Version 1

Colchester, the plus in the town, work, and visit.

COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

COLNE AND BLACKWATER ESTUARY MODEL
MAXIMUM FLOOD DEPTH
0.1% AEP (100YR) 2015

Drawn	Checked	Approved	Date
SL	SK	CP	AUG 2016

AECOM Internal Project No: 60473444
Scale of A1: 1:35,000