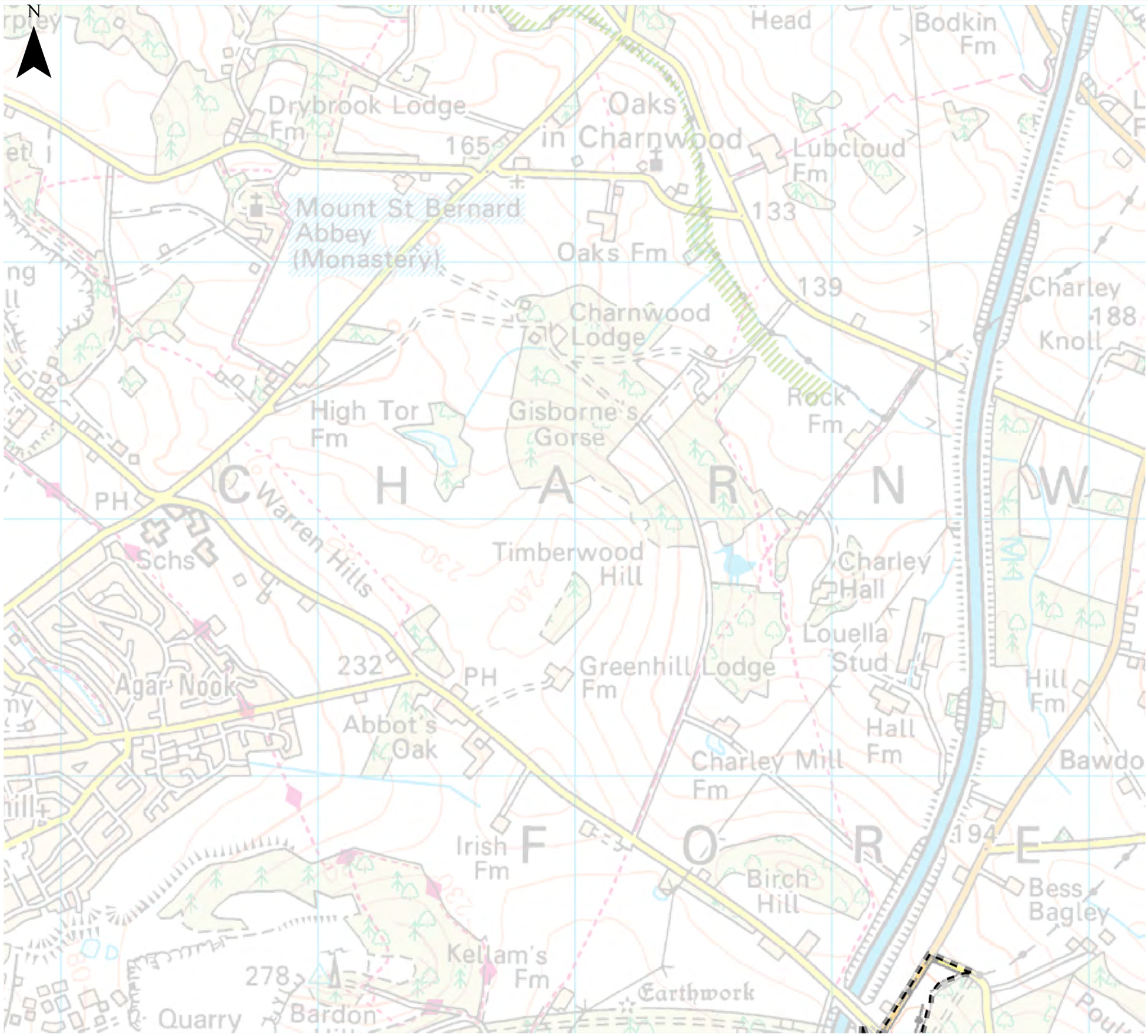


Notes

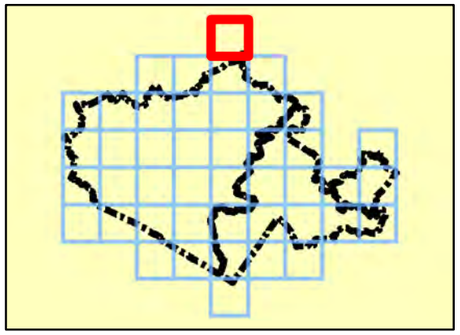
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

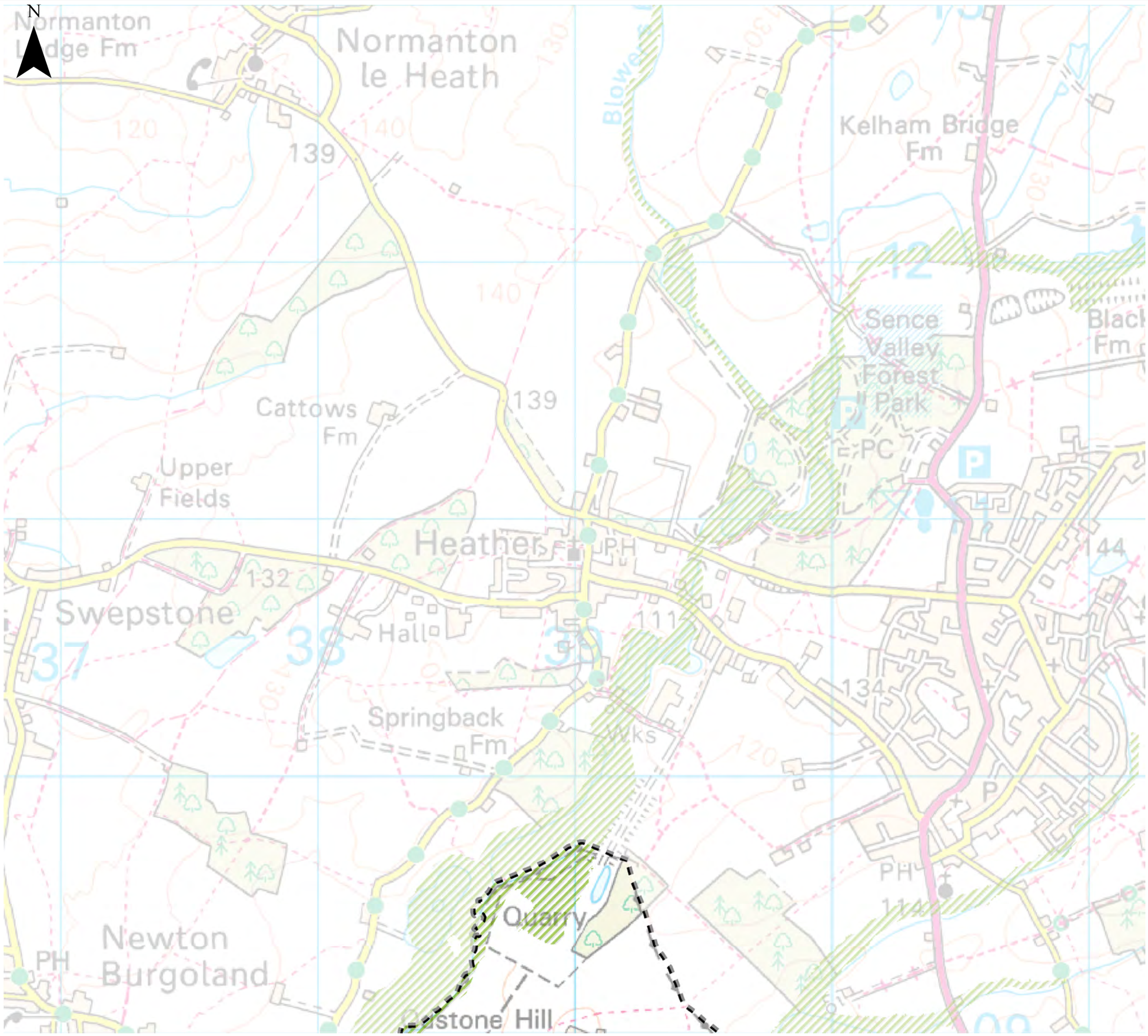
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 1 of 44 Index Number: JSFRA_1

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

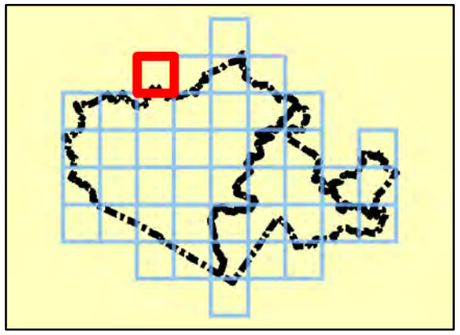
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

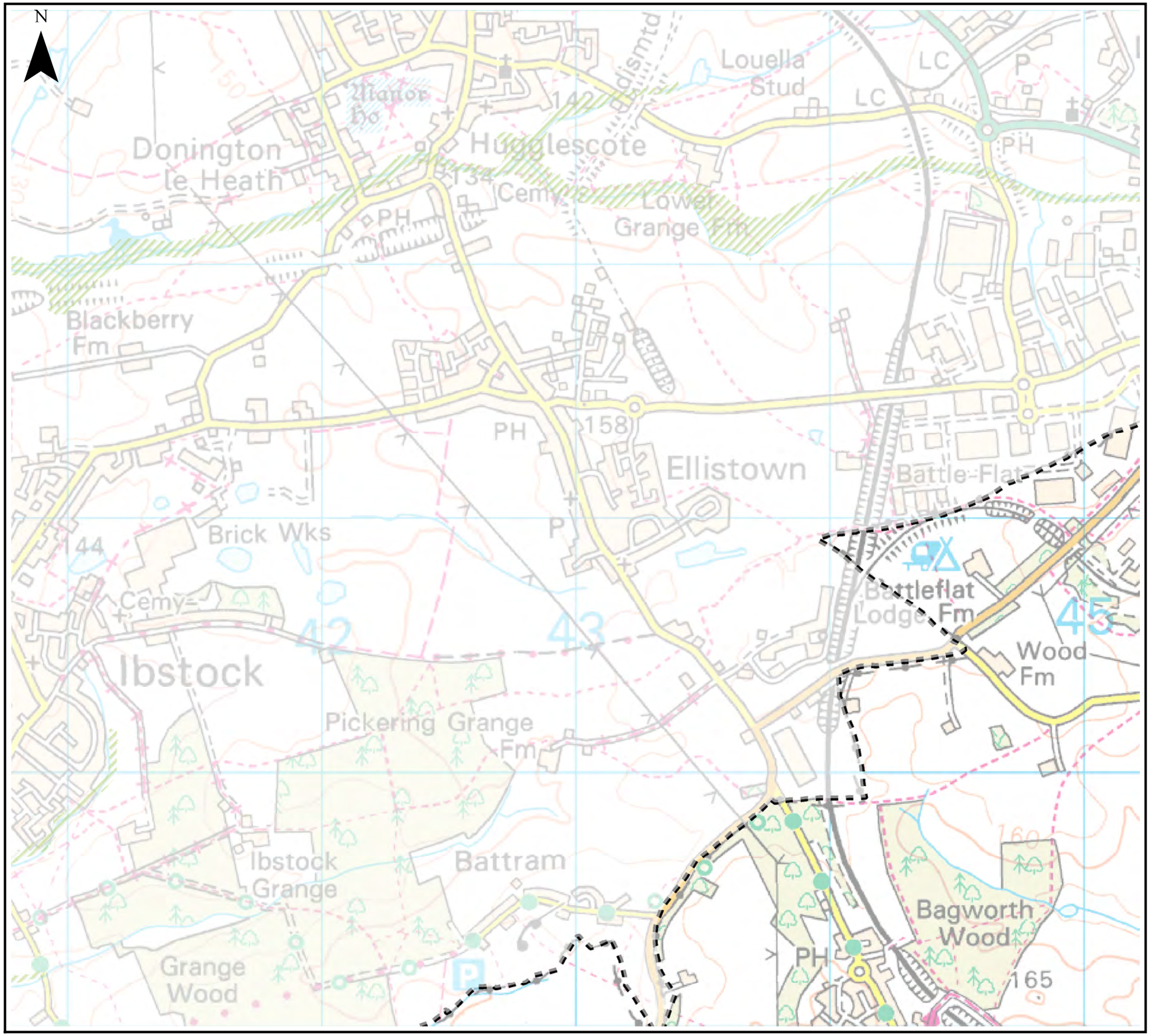
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 2 of 44 Index Number: JSFRA_2

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

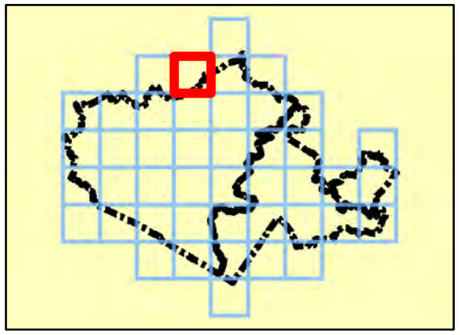
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

Joint SFRA area

Flood Zone 3 with Climate Change

Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 3 of 44 Index Number: JSFRA_3

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Notes

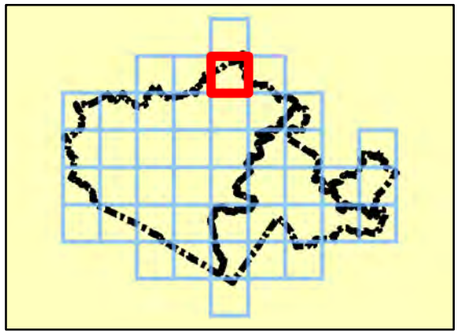
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 4 of 44 Index Number: JSFRA_4

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

N

Notes

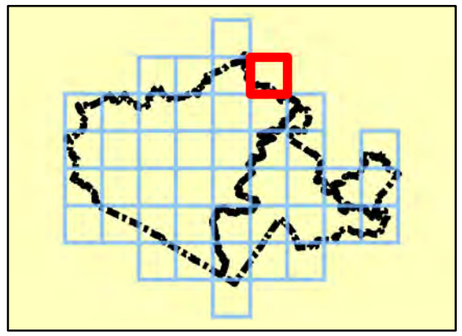
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

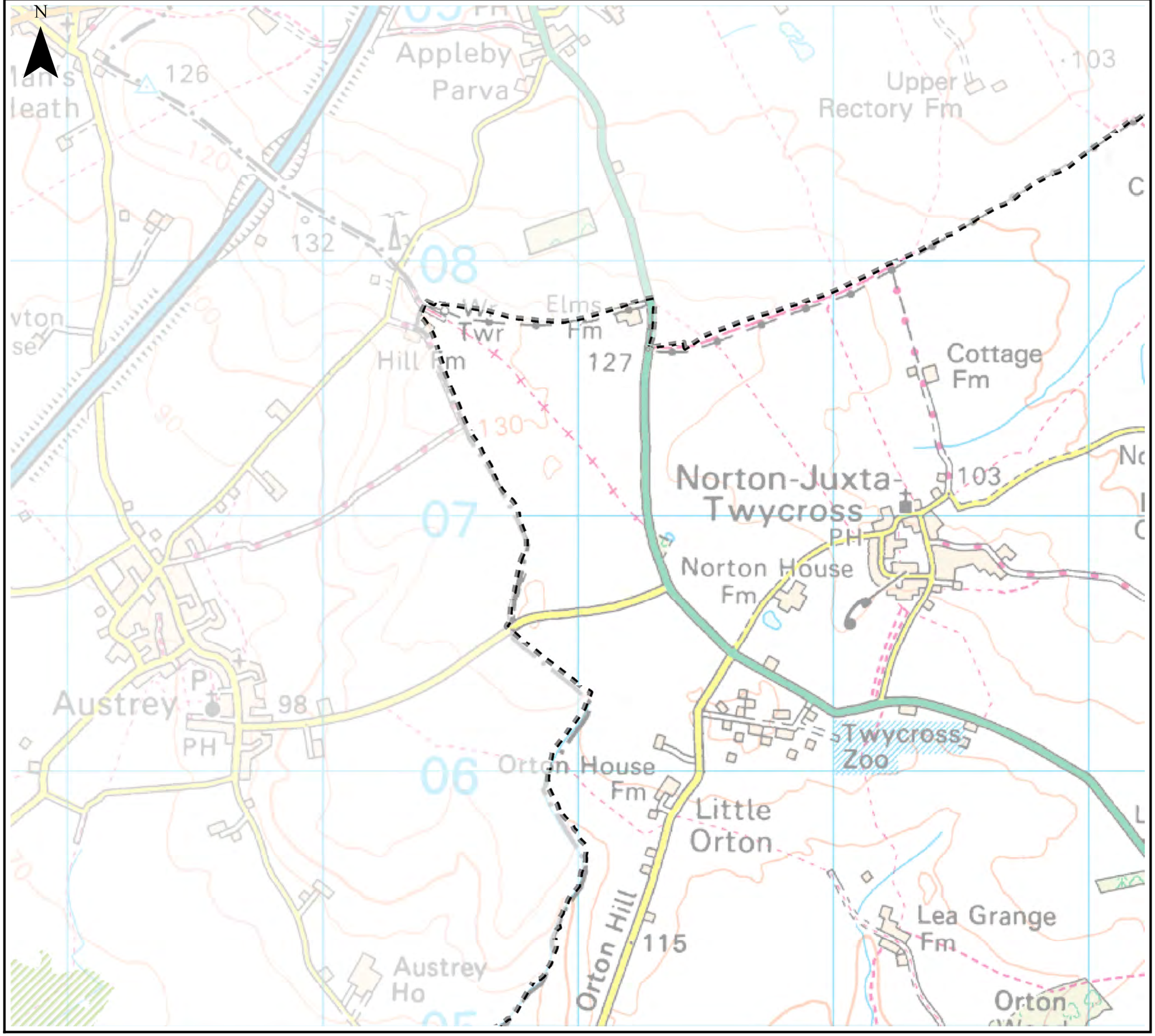
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 5 of 44 Index Number: JSFRA_5

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

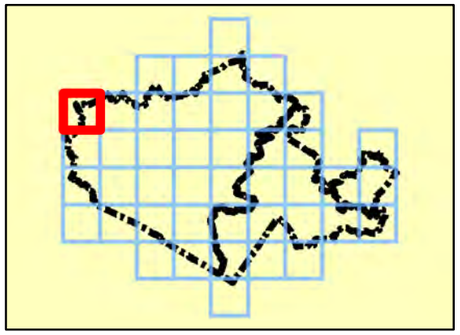
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

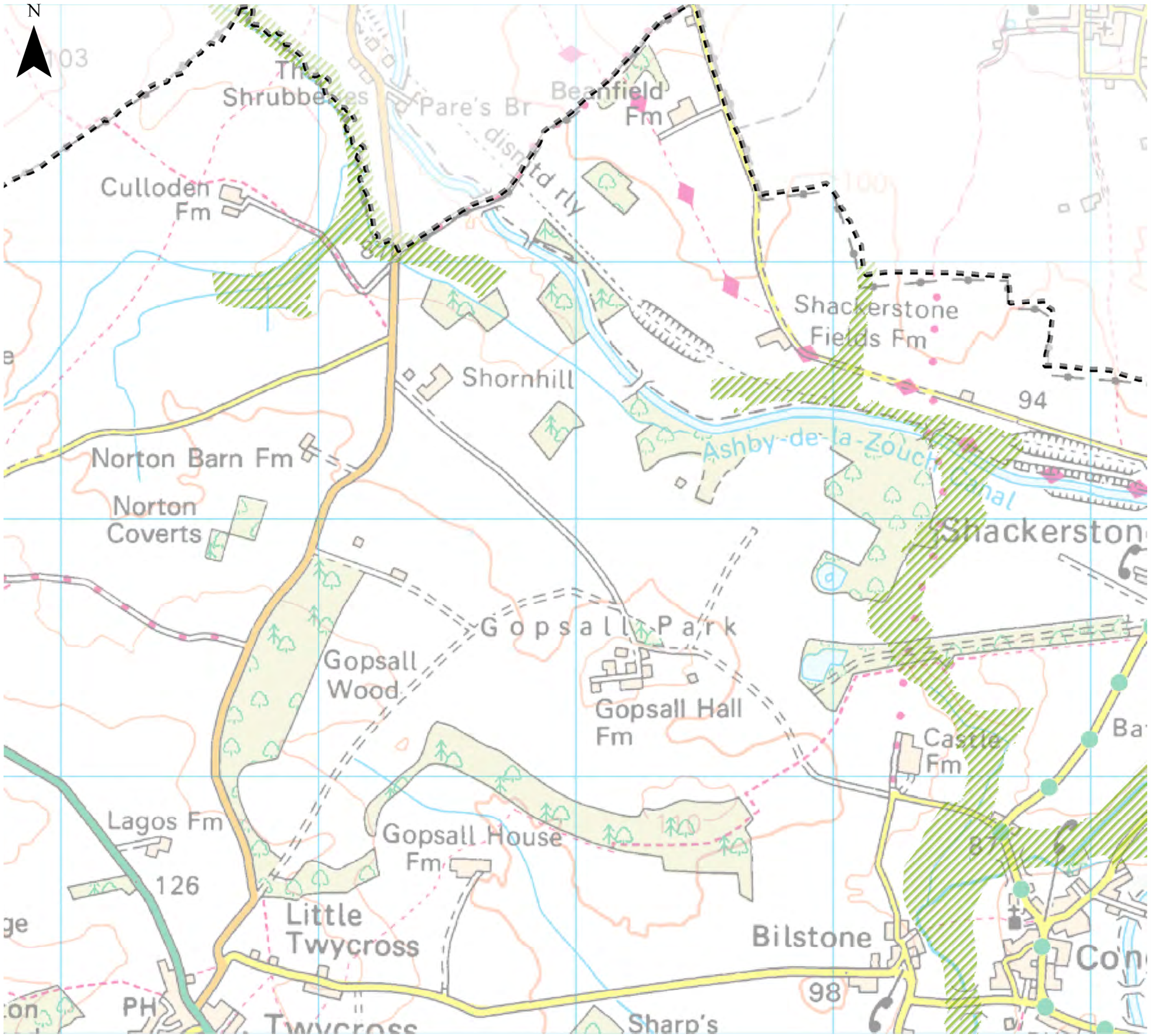
Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

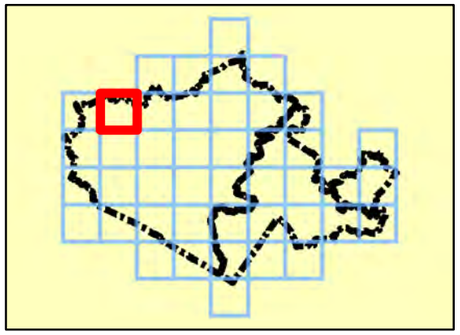
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

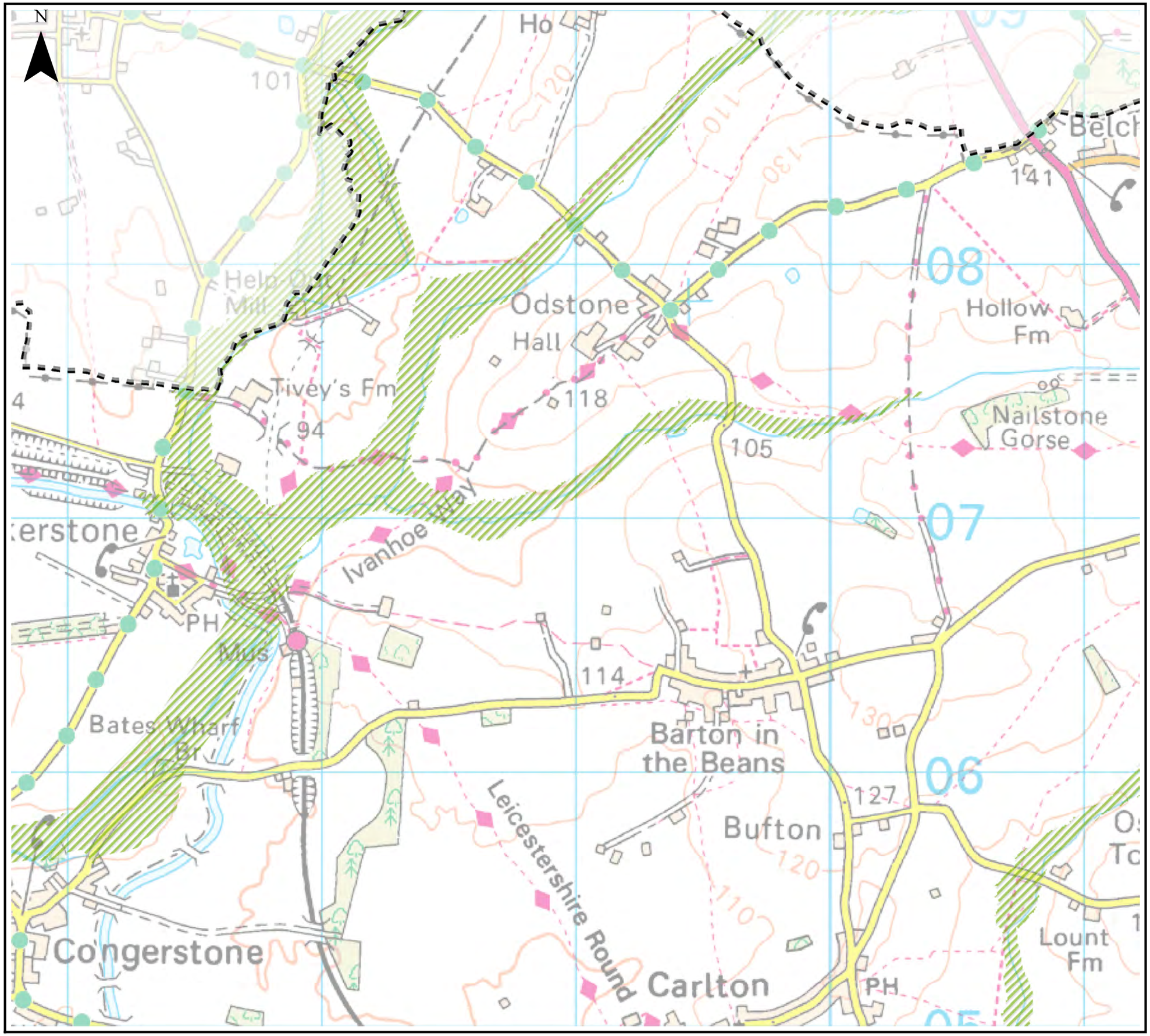
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 7 of 44 Index Number: JSFRA_7

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

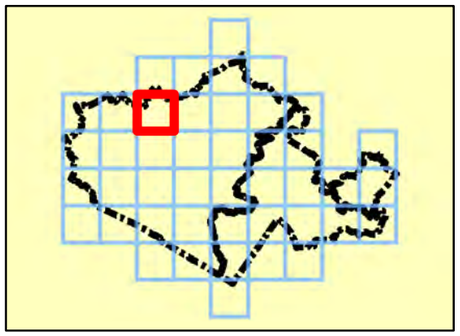
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

Joint SFRA area

Flood Zone 3 with Climate Change

Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

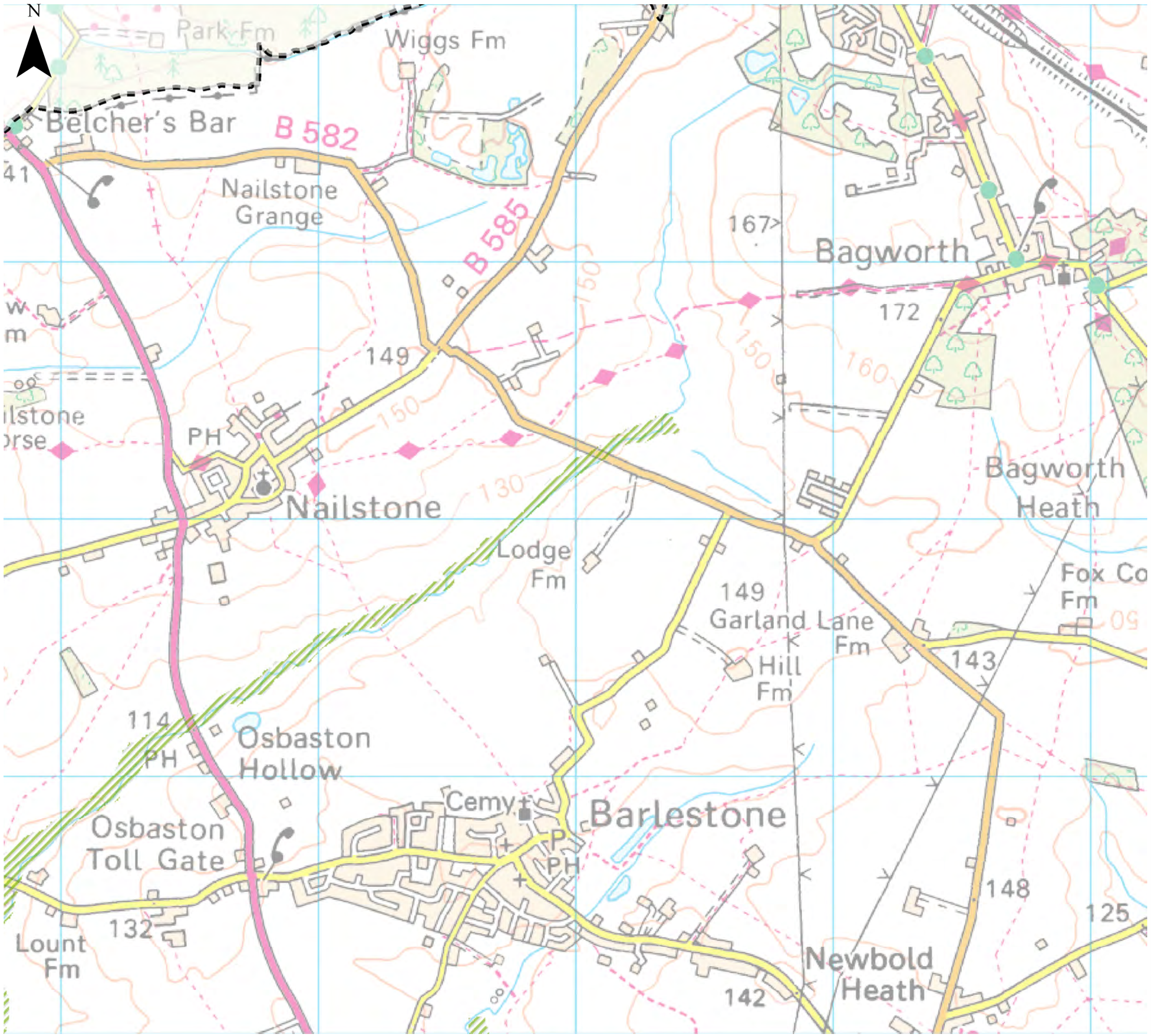
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 8 of 44 Index Number: JSFRA_8

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

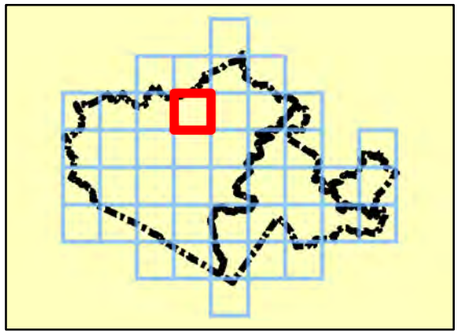
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

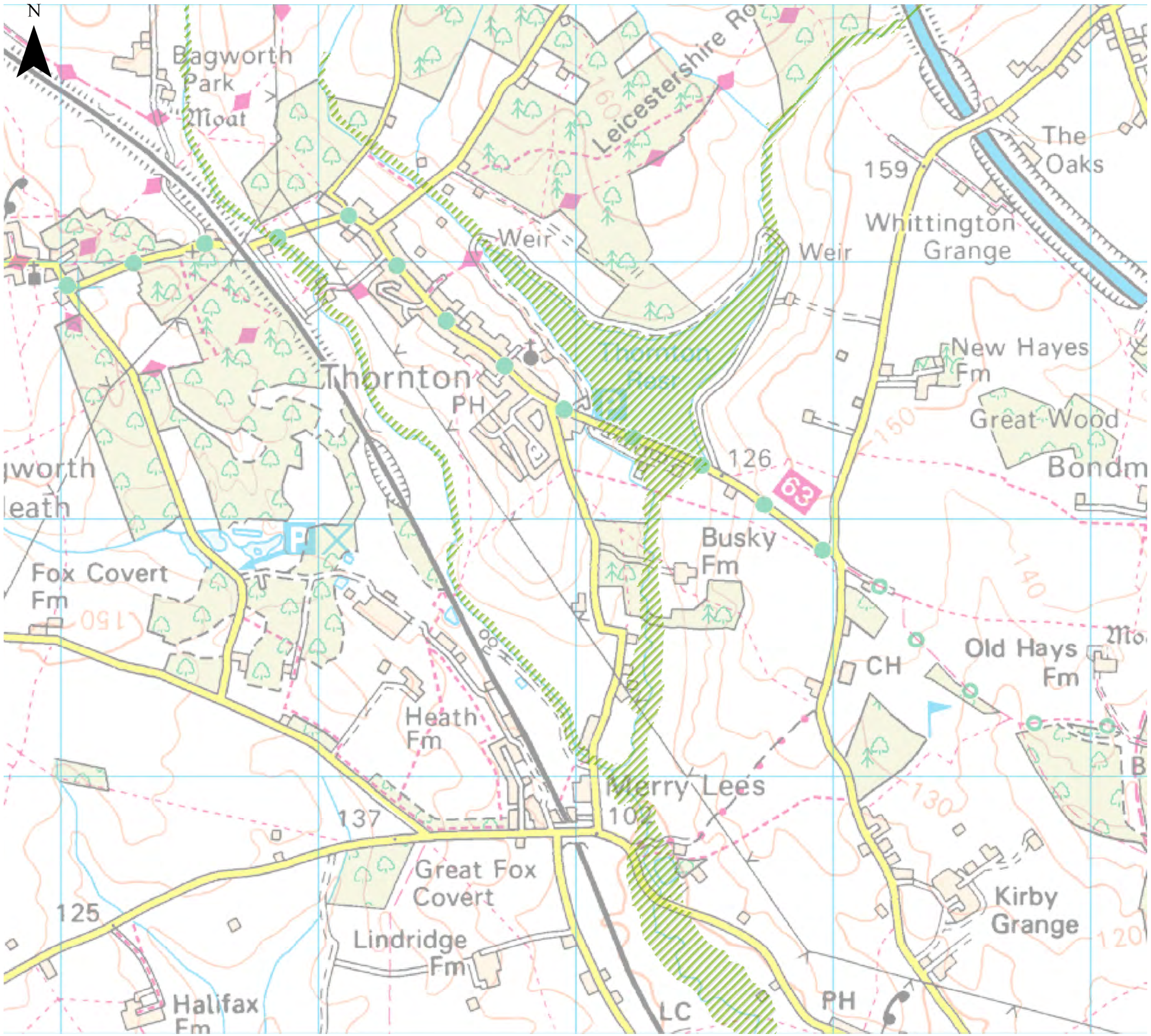
Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC
Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

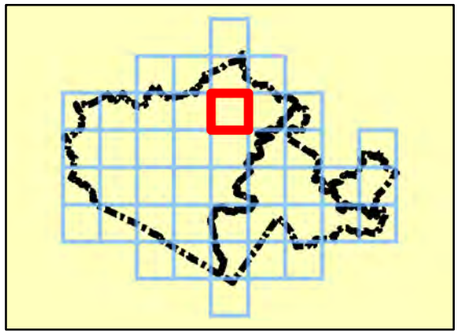
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

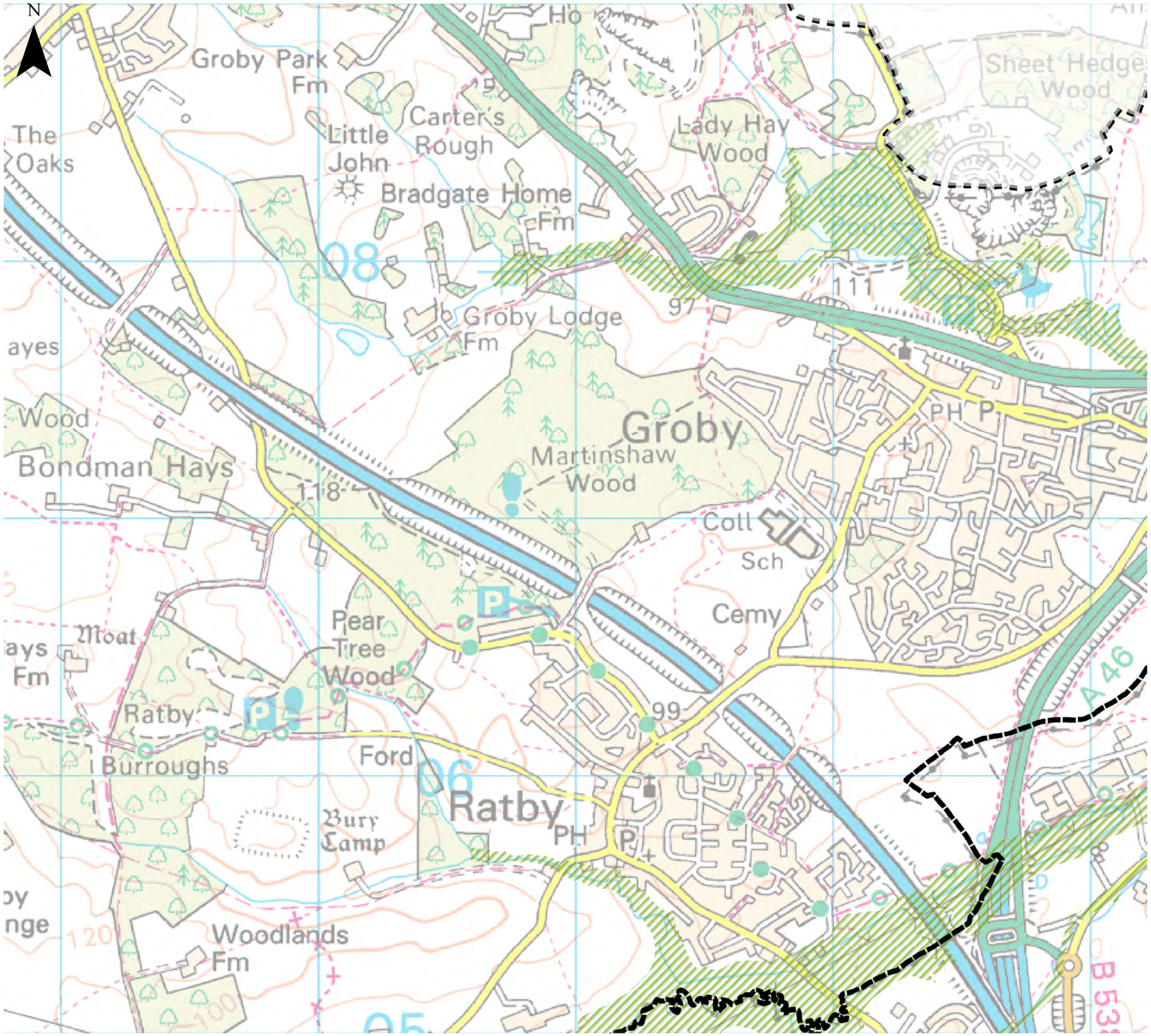
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 10 of 44 Index Number: JSFRA_10

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

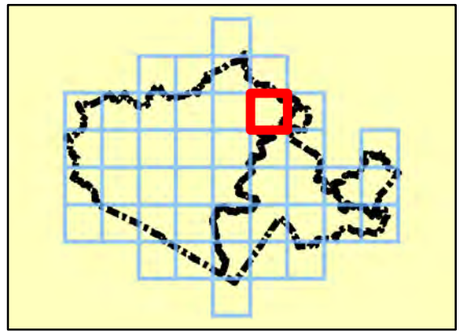
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 11 of 44 Index Number: JSFRA_11

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

N

Notes

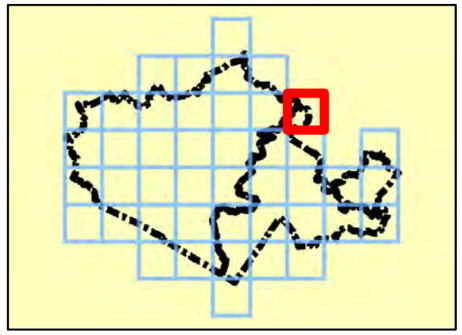
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

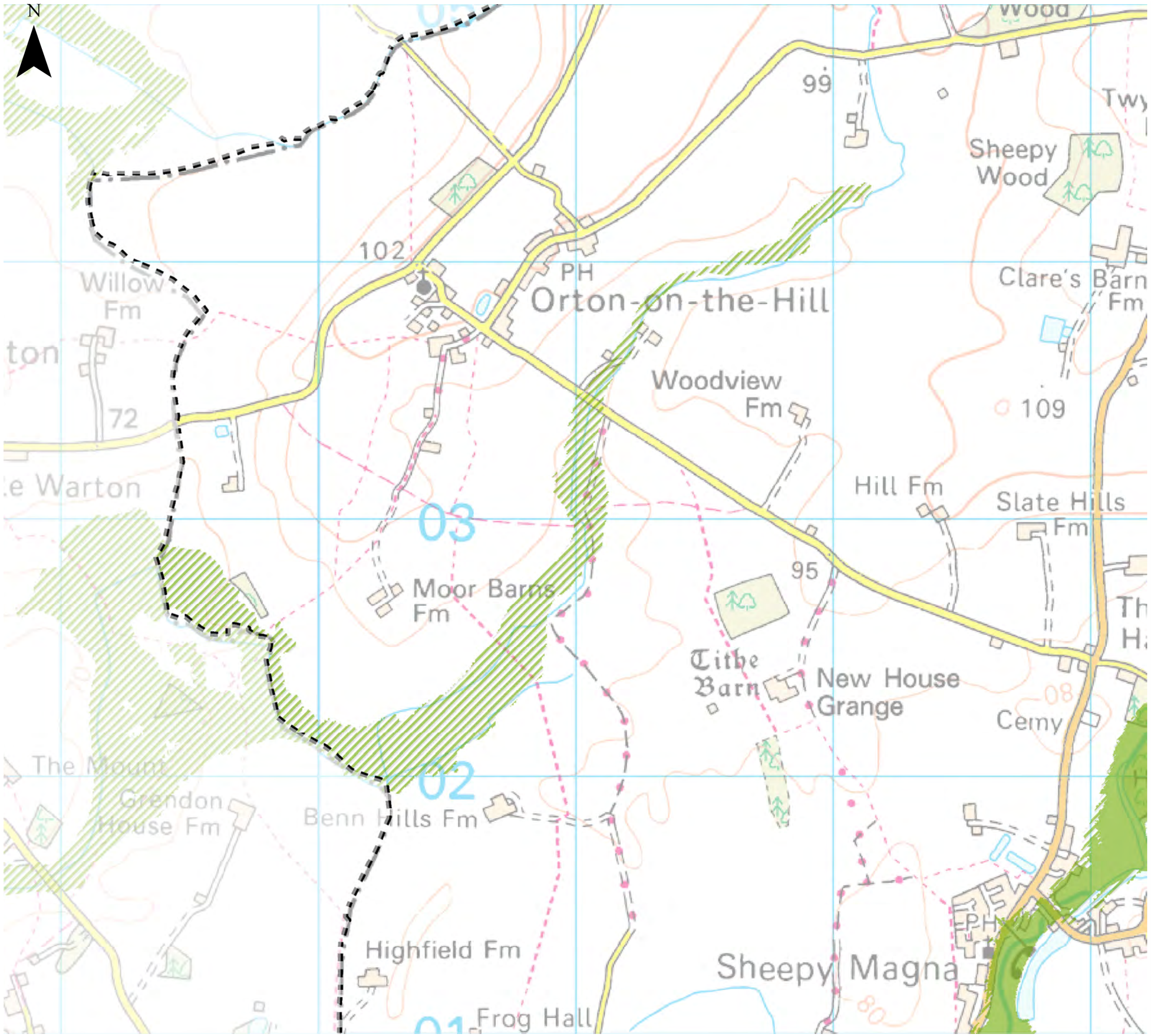
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 12 of 44 Index Number: JSFRA_12

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

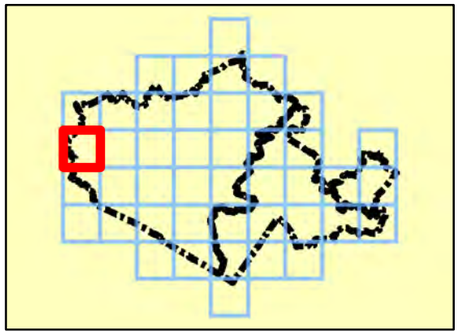
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

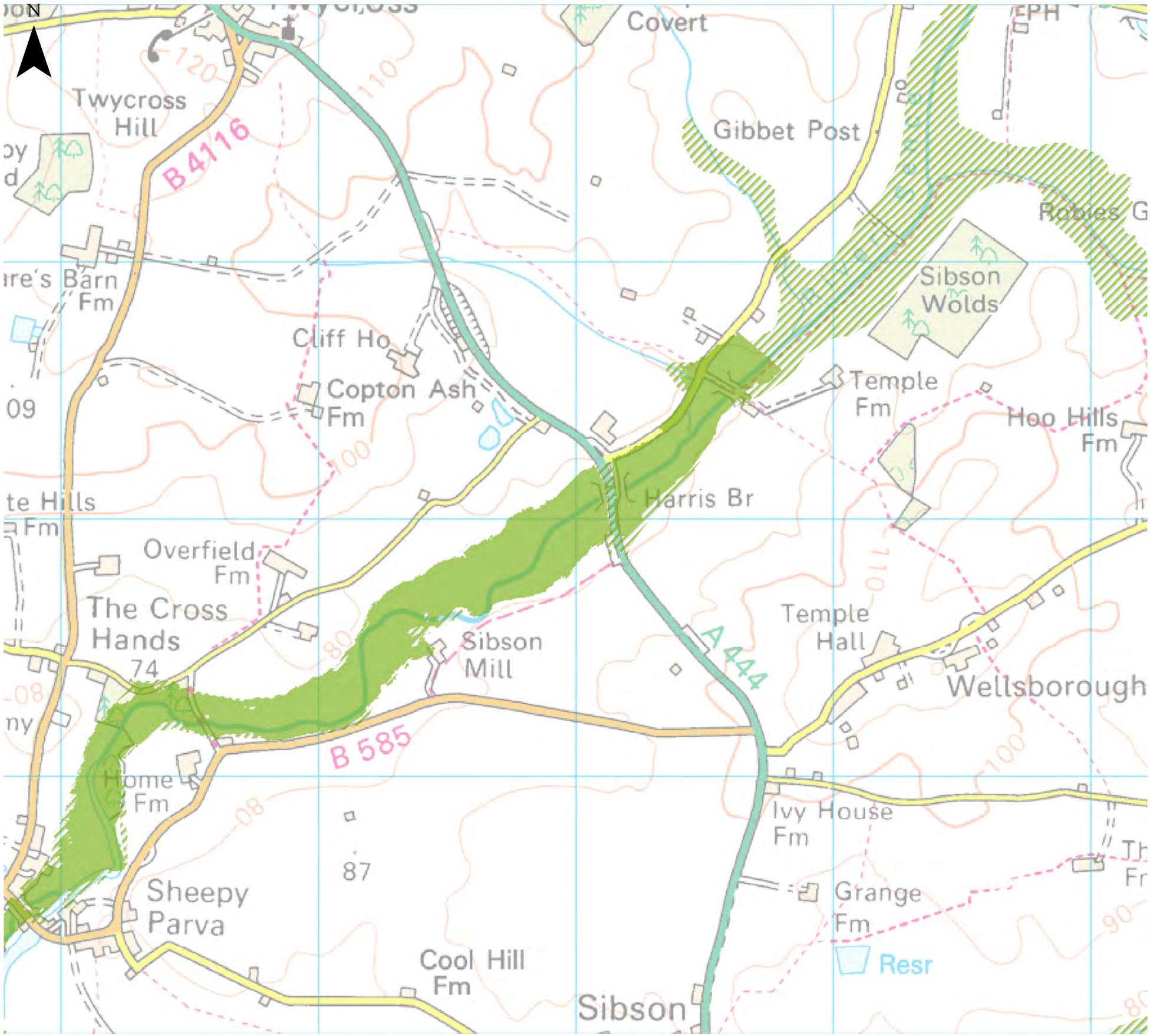
HBBC, BDC and OWBC
Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 13 of 44 Index Number: JSFRA_13

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

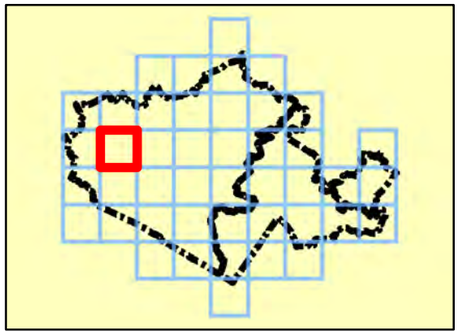
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

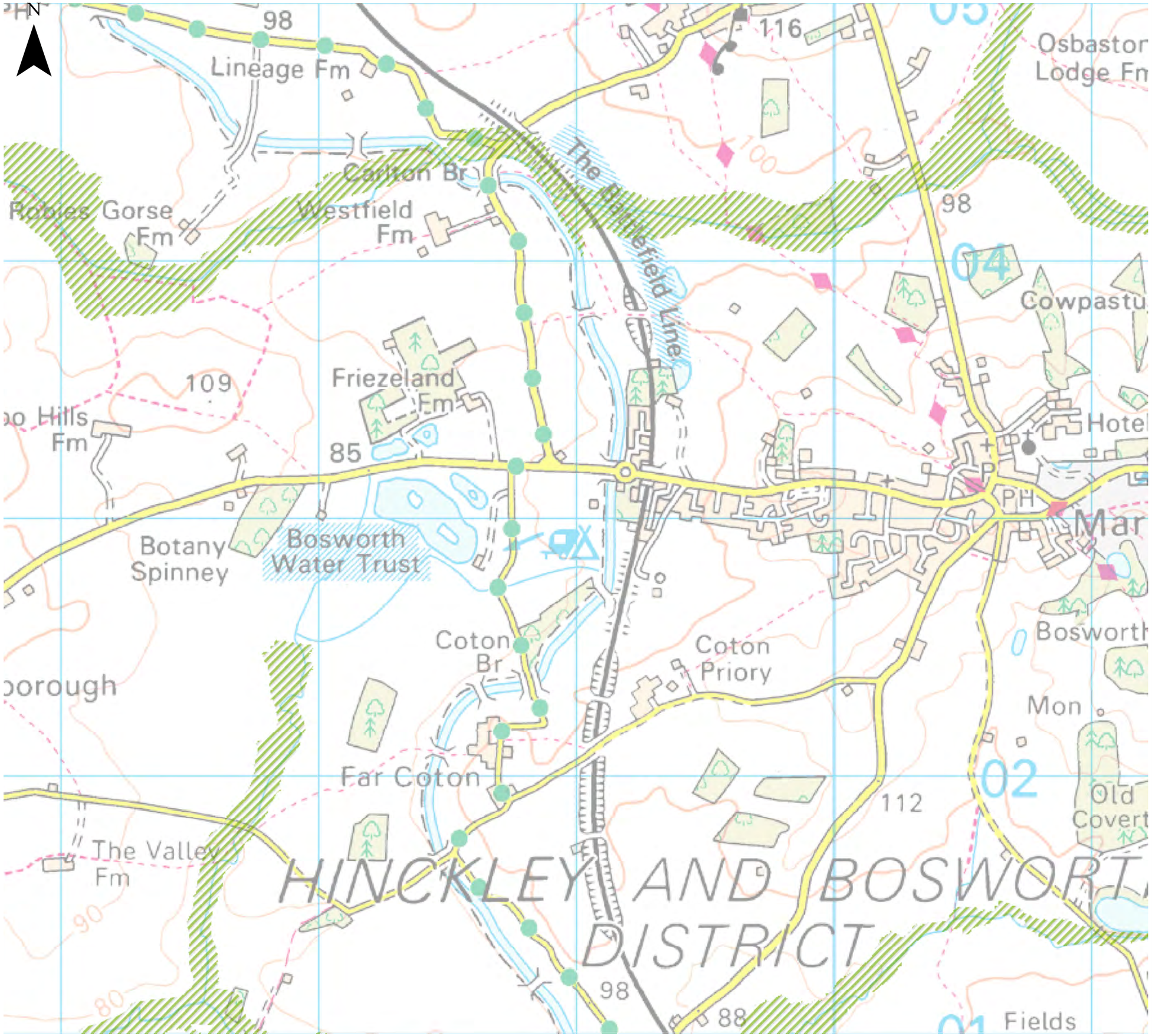
HBBC, BDC and OWBC
Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 14 of 44 Index Number: JSFRA_14

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

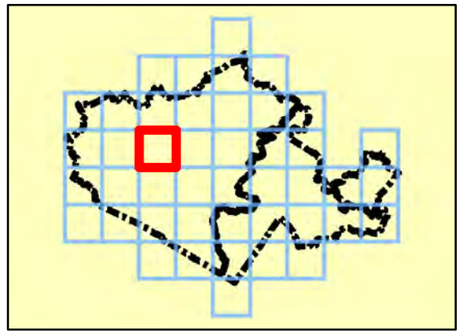
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

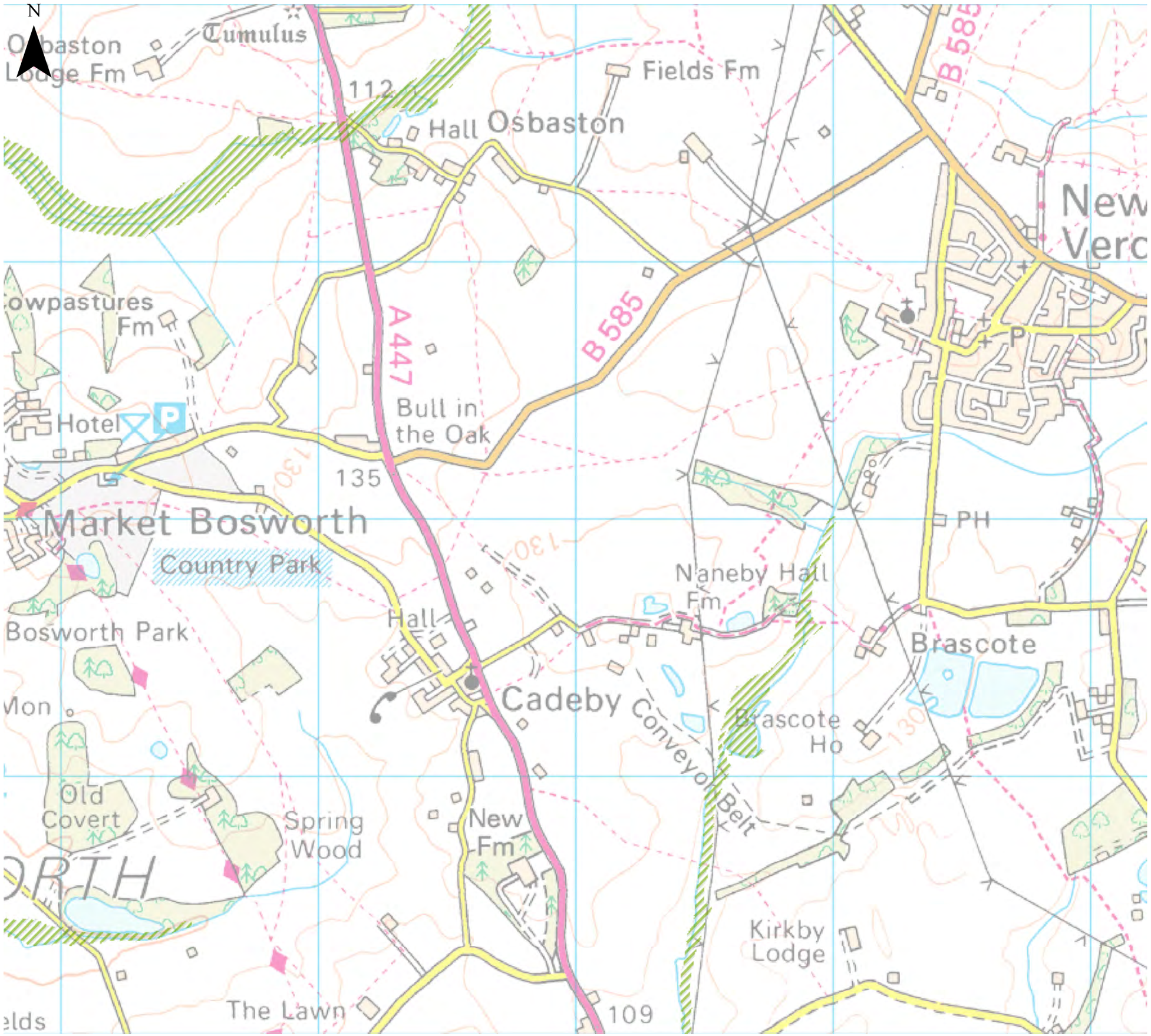
APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 15 of 44 Index Number: JSFRA_15

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

JBA consulting | Blaby District Council | Hinckley & Bosworth Borough Council



Notes

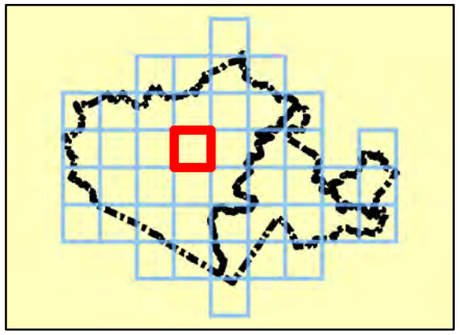
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 16 of 44 Index Number: JSFRA_16

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Notes

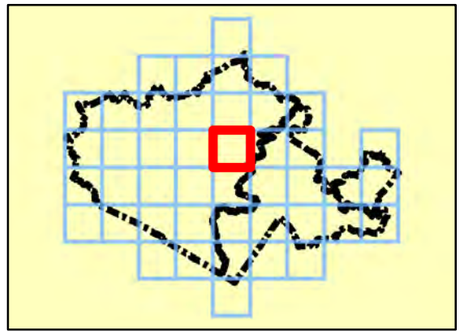
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

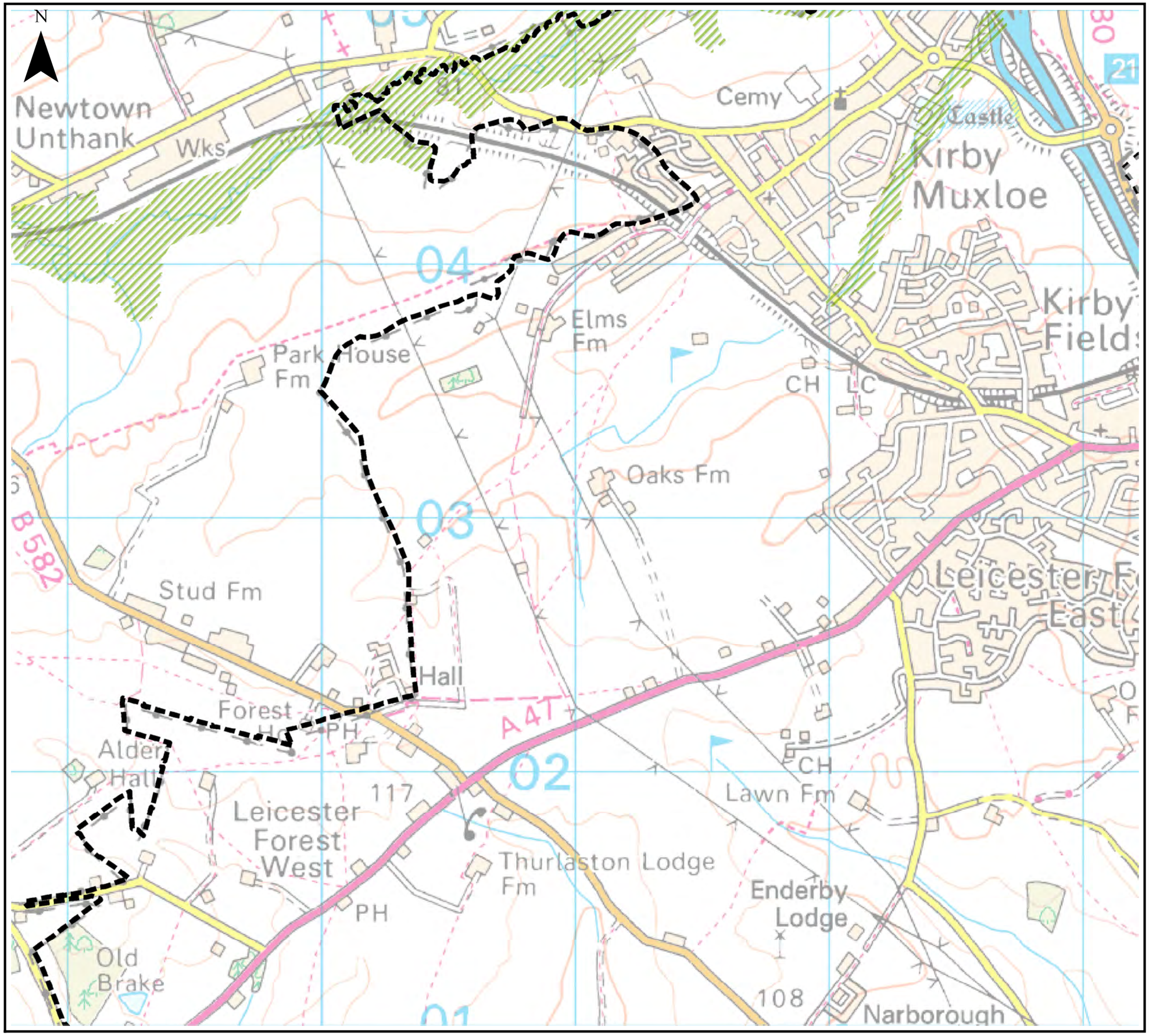
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 17 of 44 Index Number: JSFRA_17

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

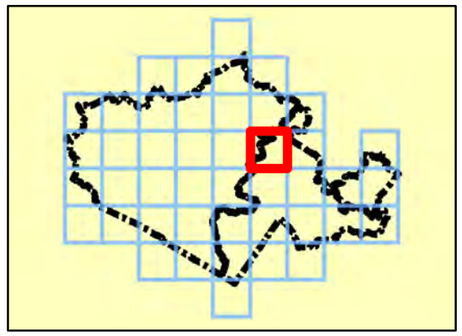
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

Joint SFRA area

Flood Zone 3 with Climate Change

Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

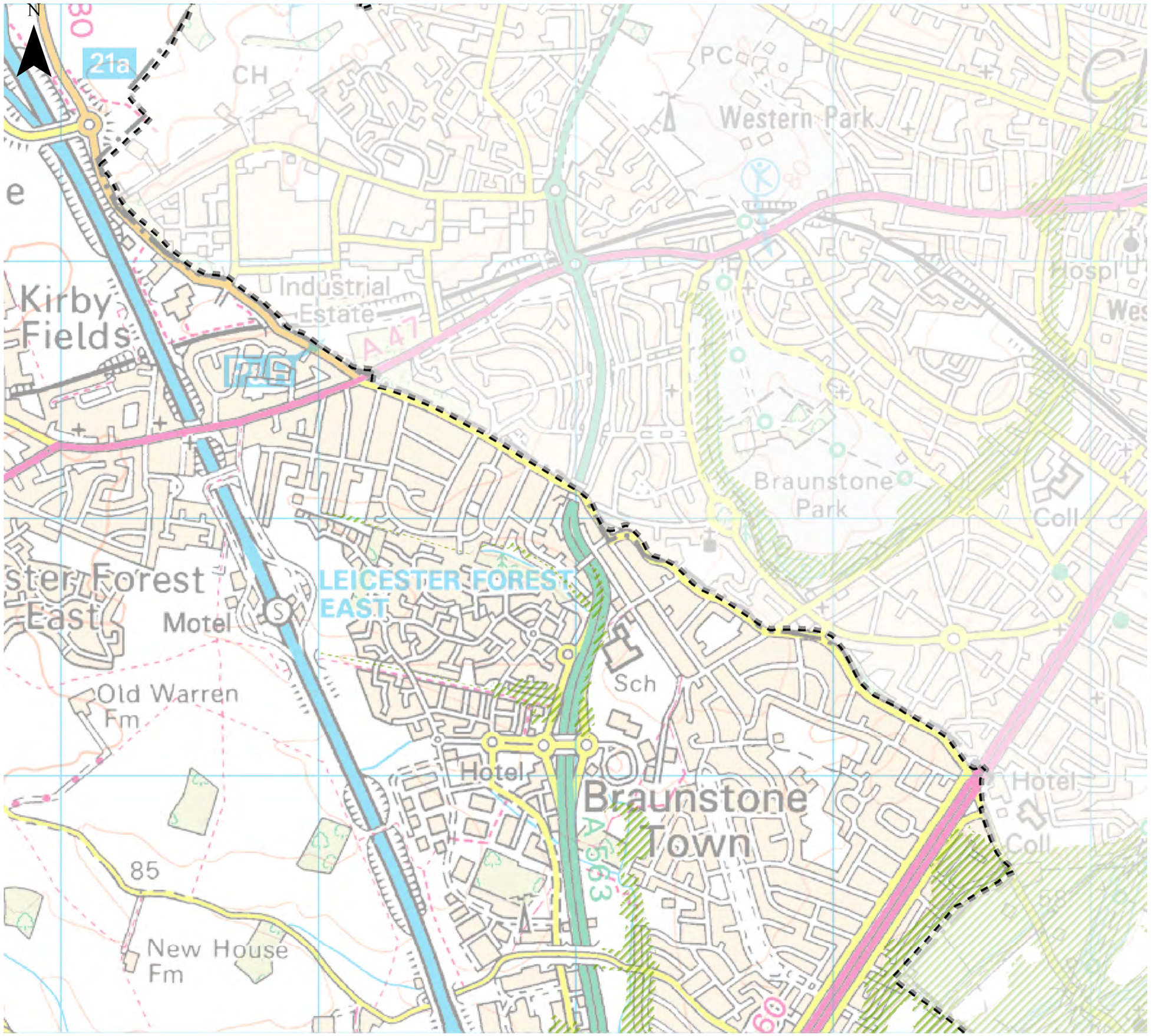
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 18 of 44 Index Number: JSFRA_18

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

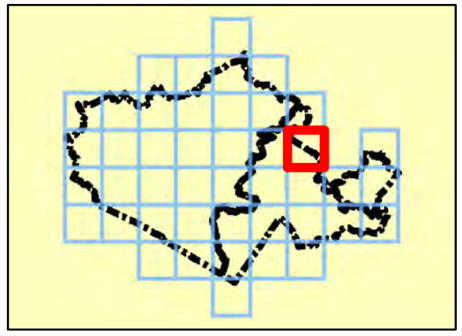
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

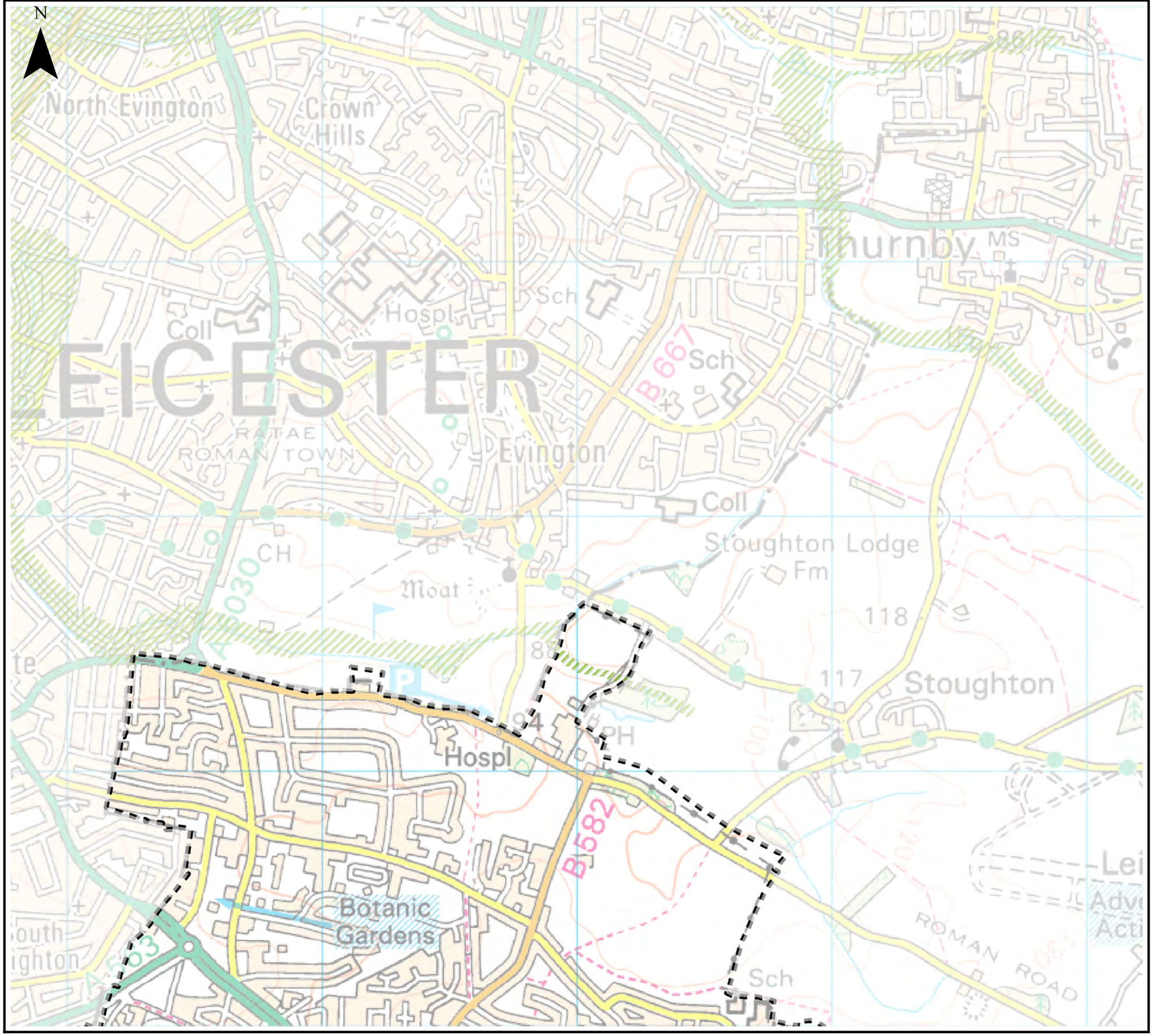
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 19 of 44 Index Number: JSFRA_19

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

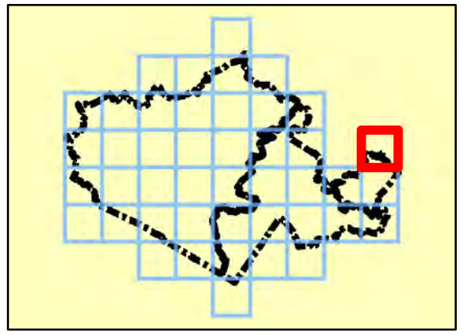
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

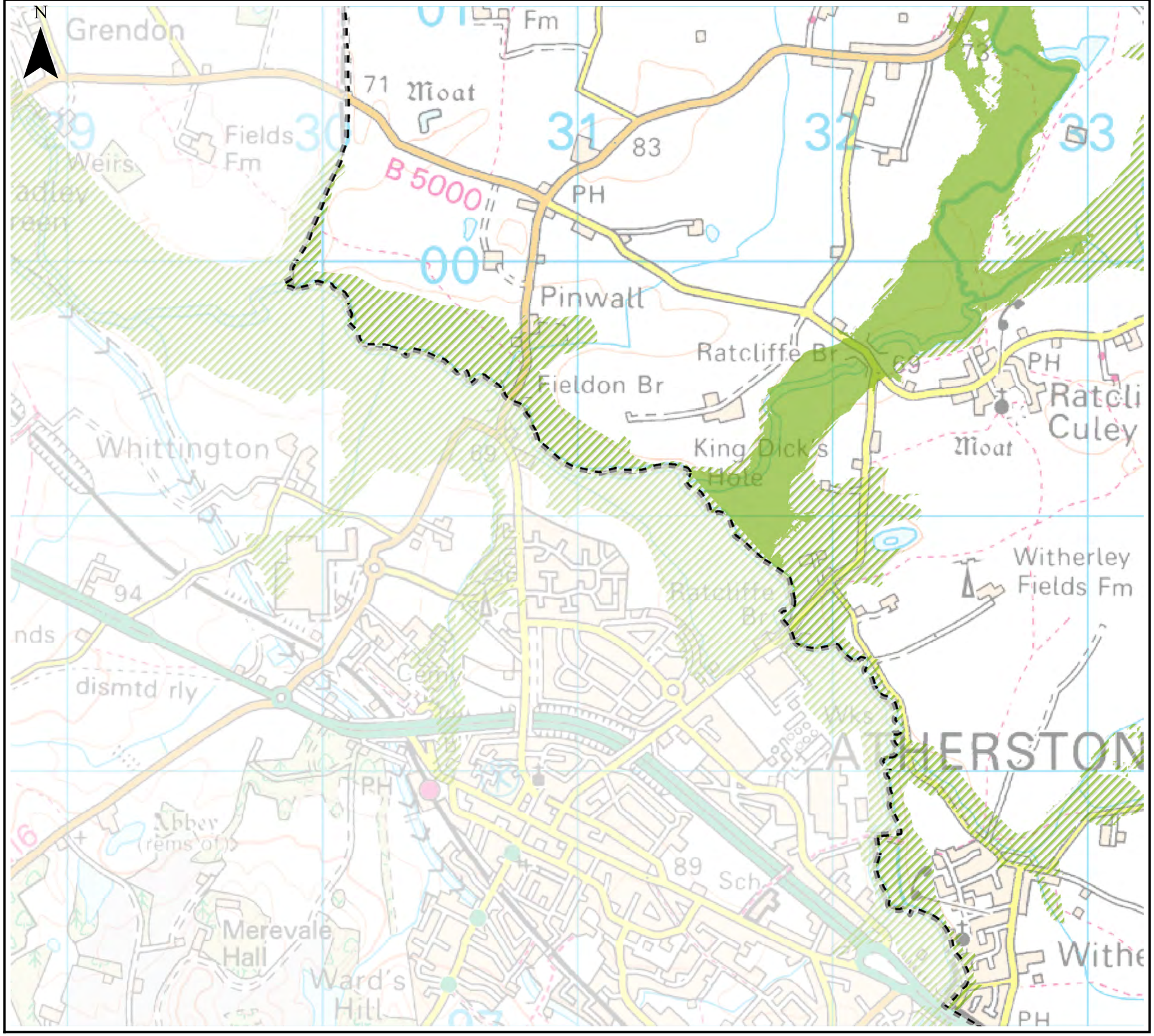
APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 20 of 44 Index Number: JSFRA_20

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

JBA consulting · Blaby District Council · Hinckley & Bosworth Borough Council



Notes

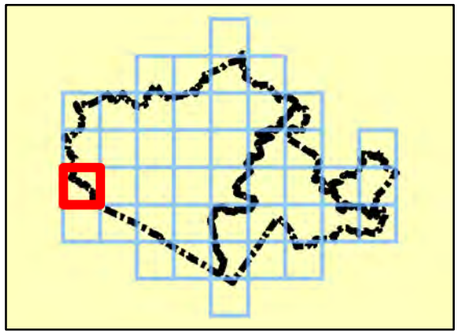
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

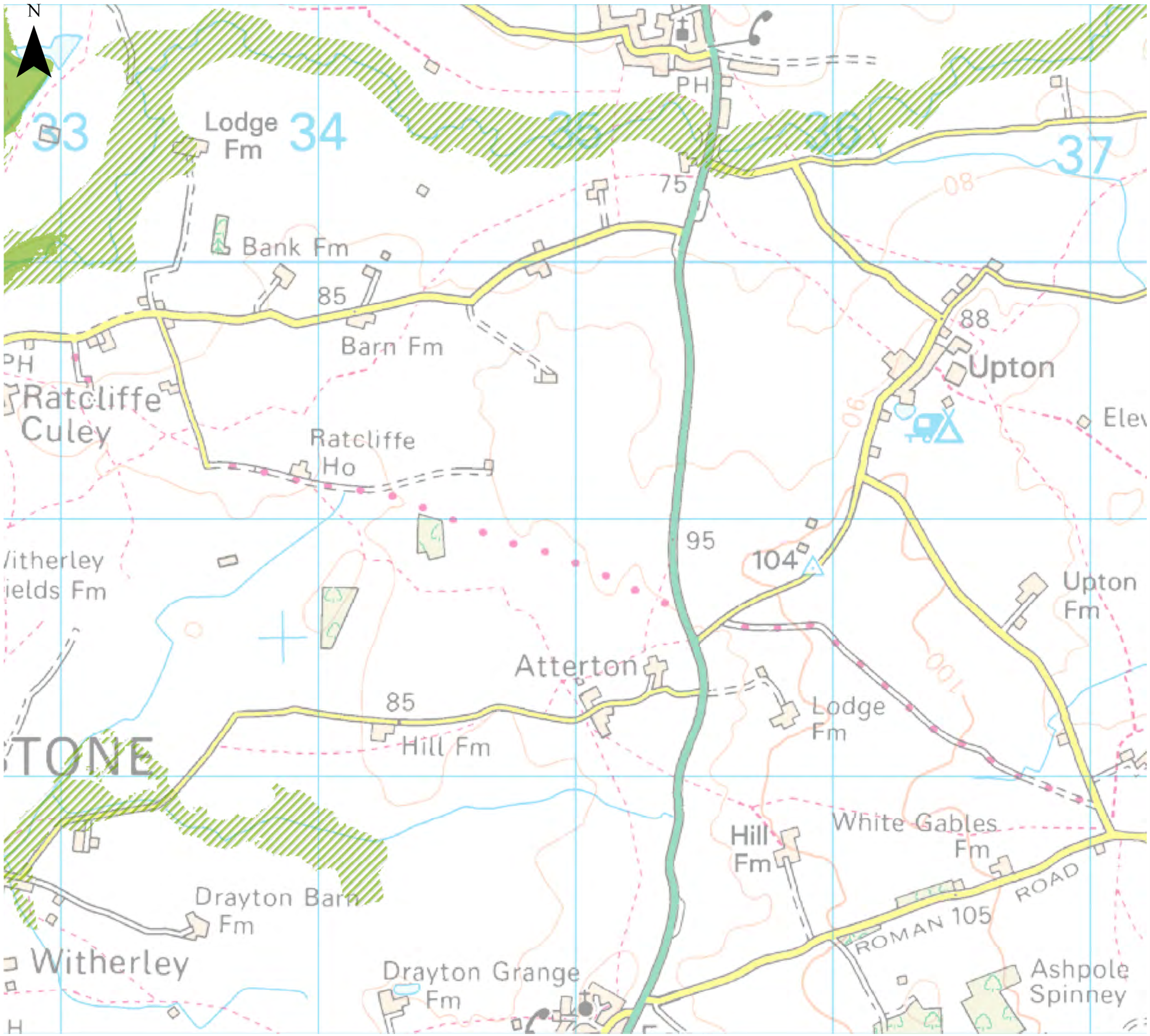
Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

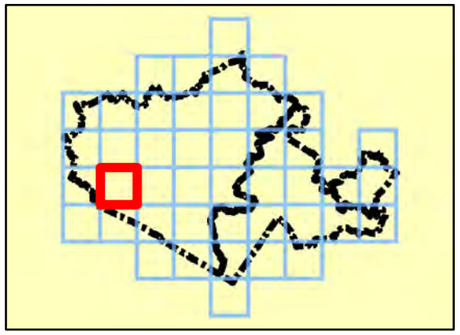
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

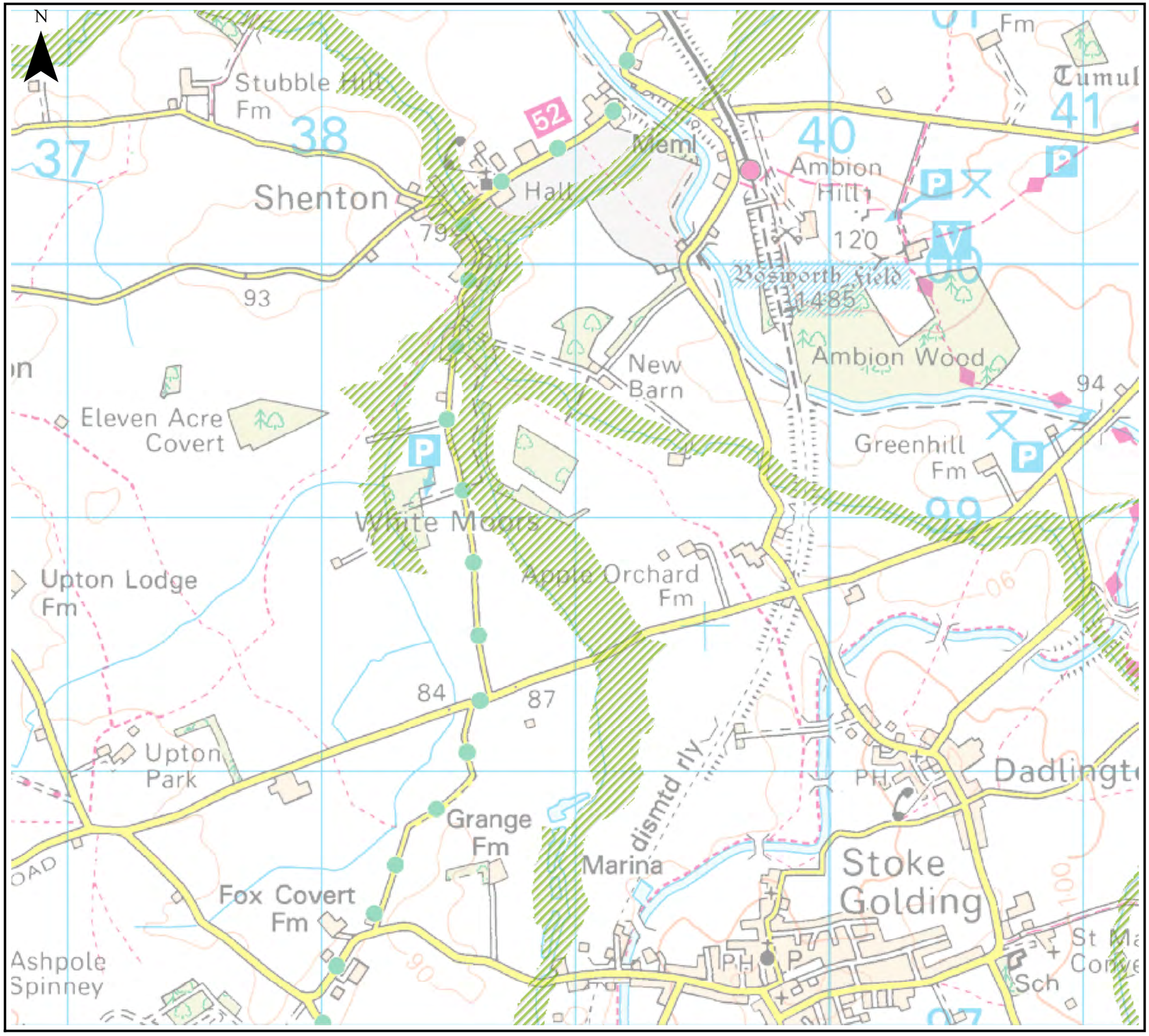
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 22 of 44 Index Number: JSFRA_22

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

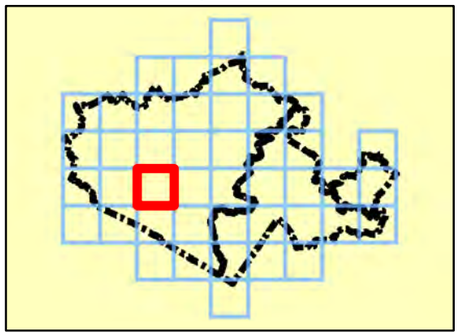
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

Joint SFRA area

Flood Zone 3 with Climate Change

Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

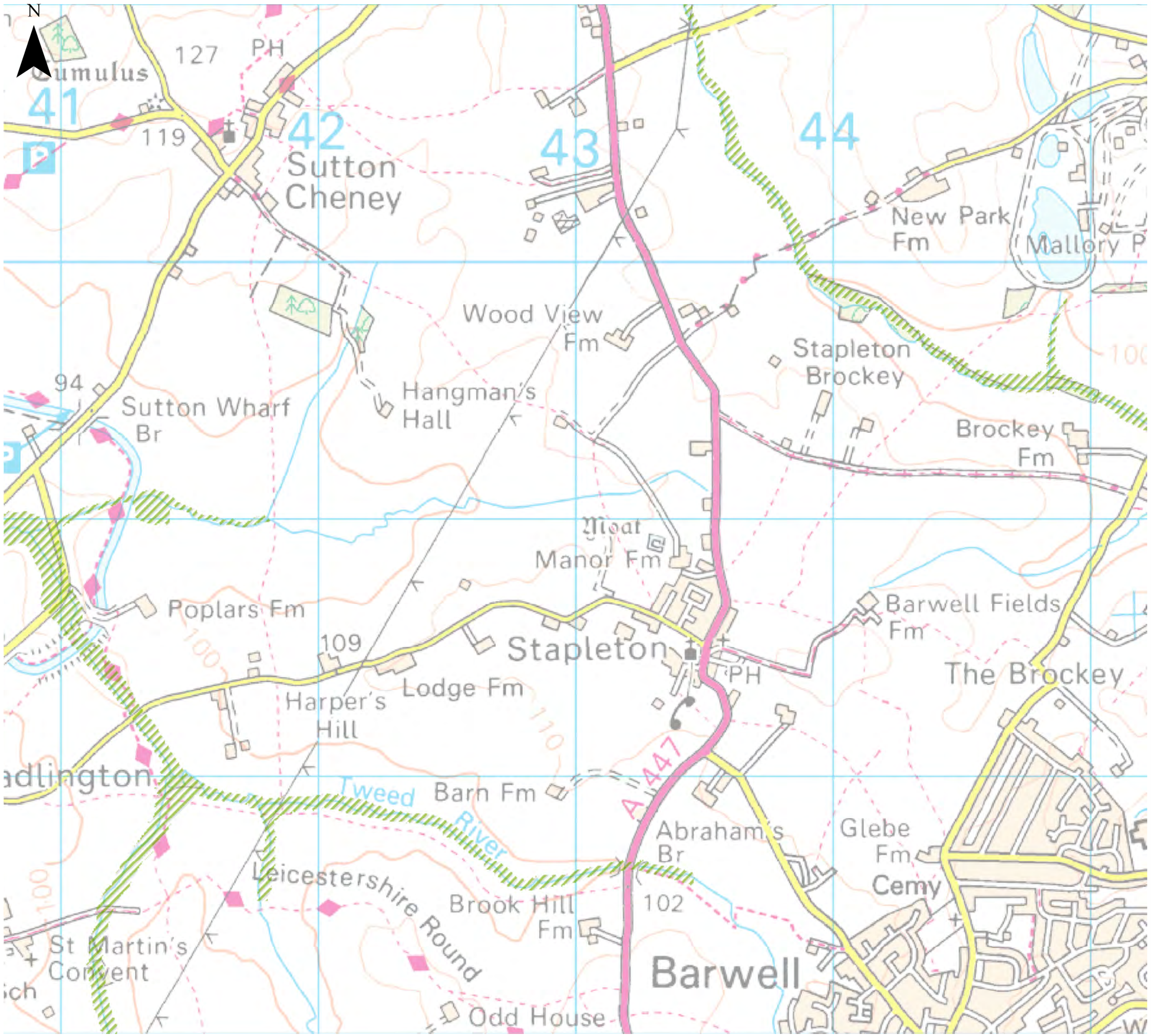
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 23 of 44 Index Number: JSFRA_23

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

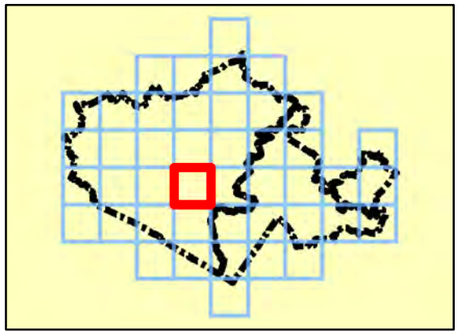
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

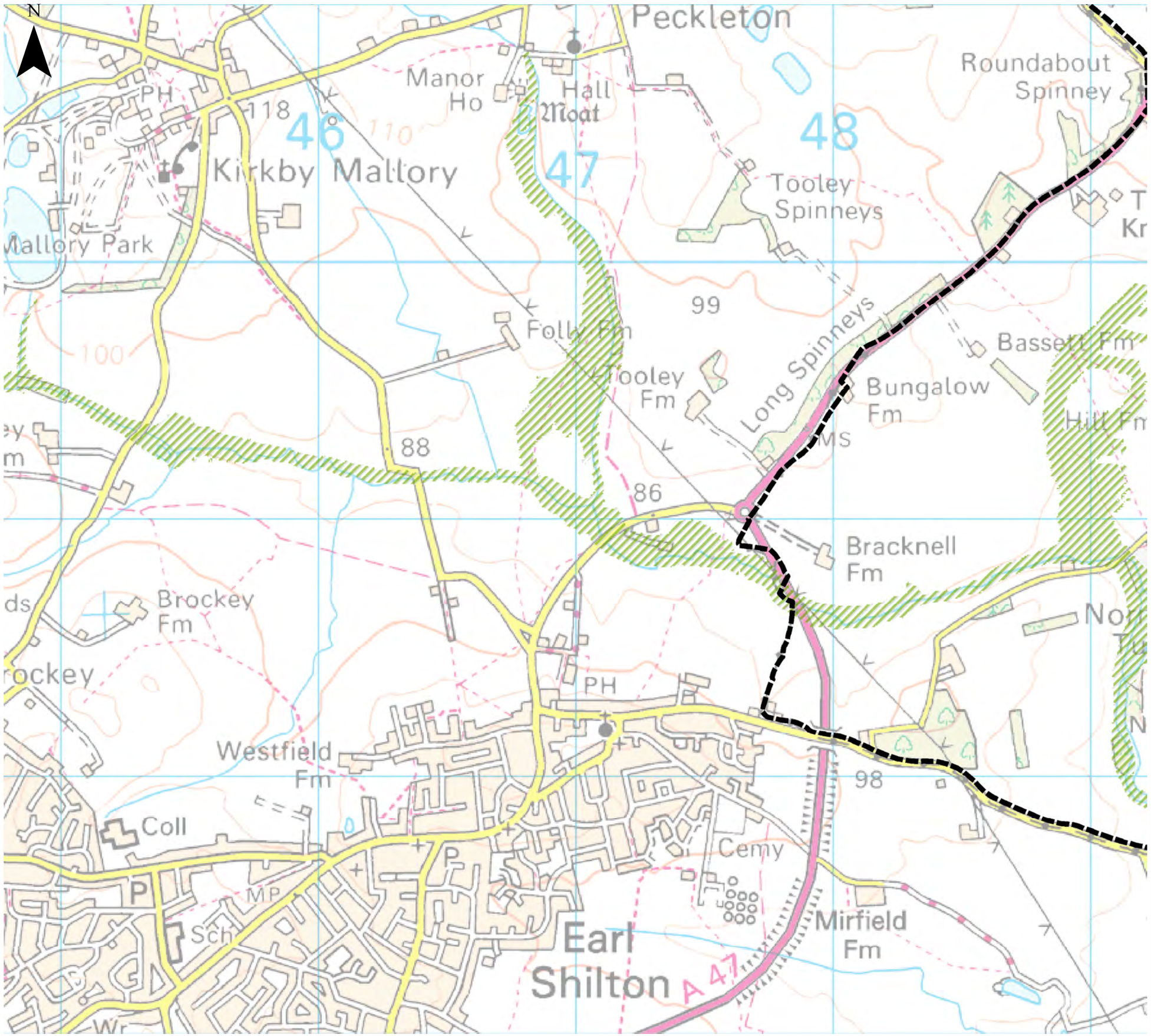
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 24 of 44 Index Number: JSFRA_24

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

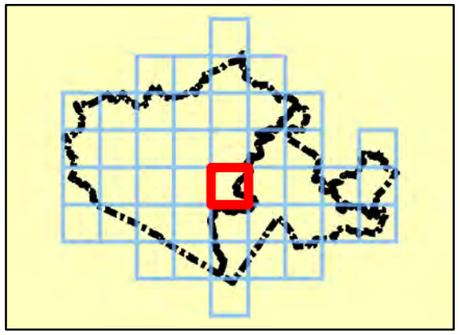
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

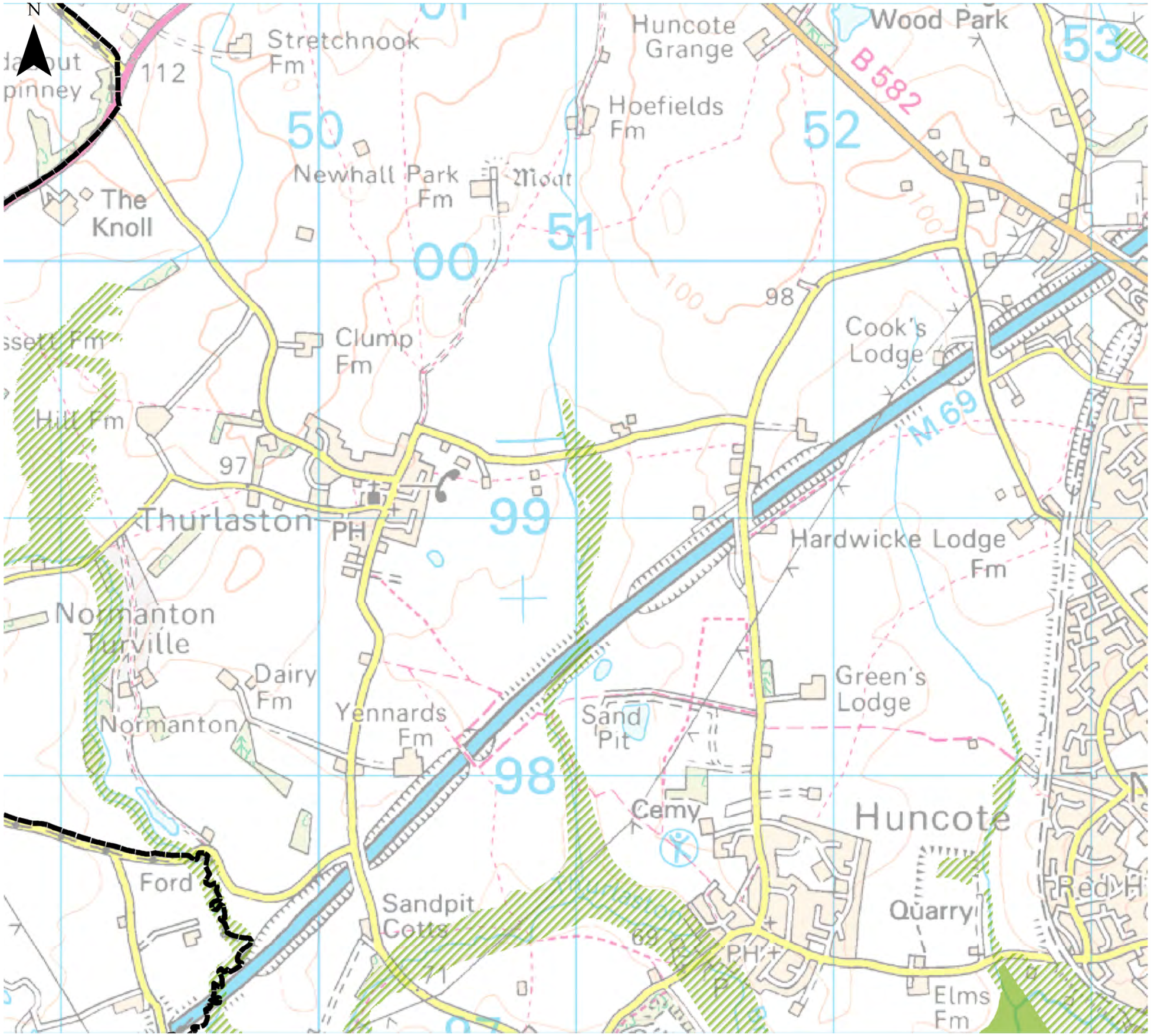
HBBC, BDC and OWBC
Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 25 of 44 Index Number: JSFRA_25

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

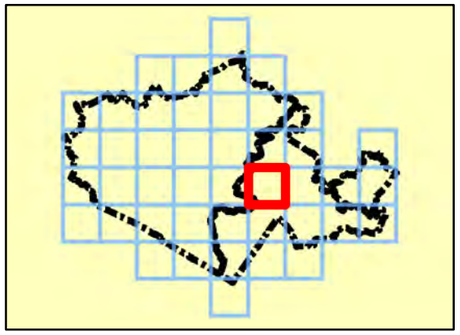
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

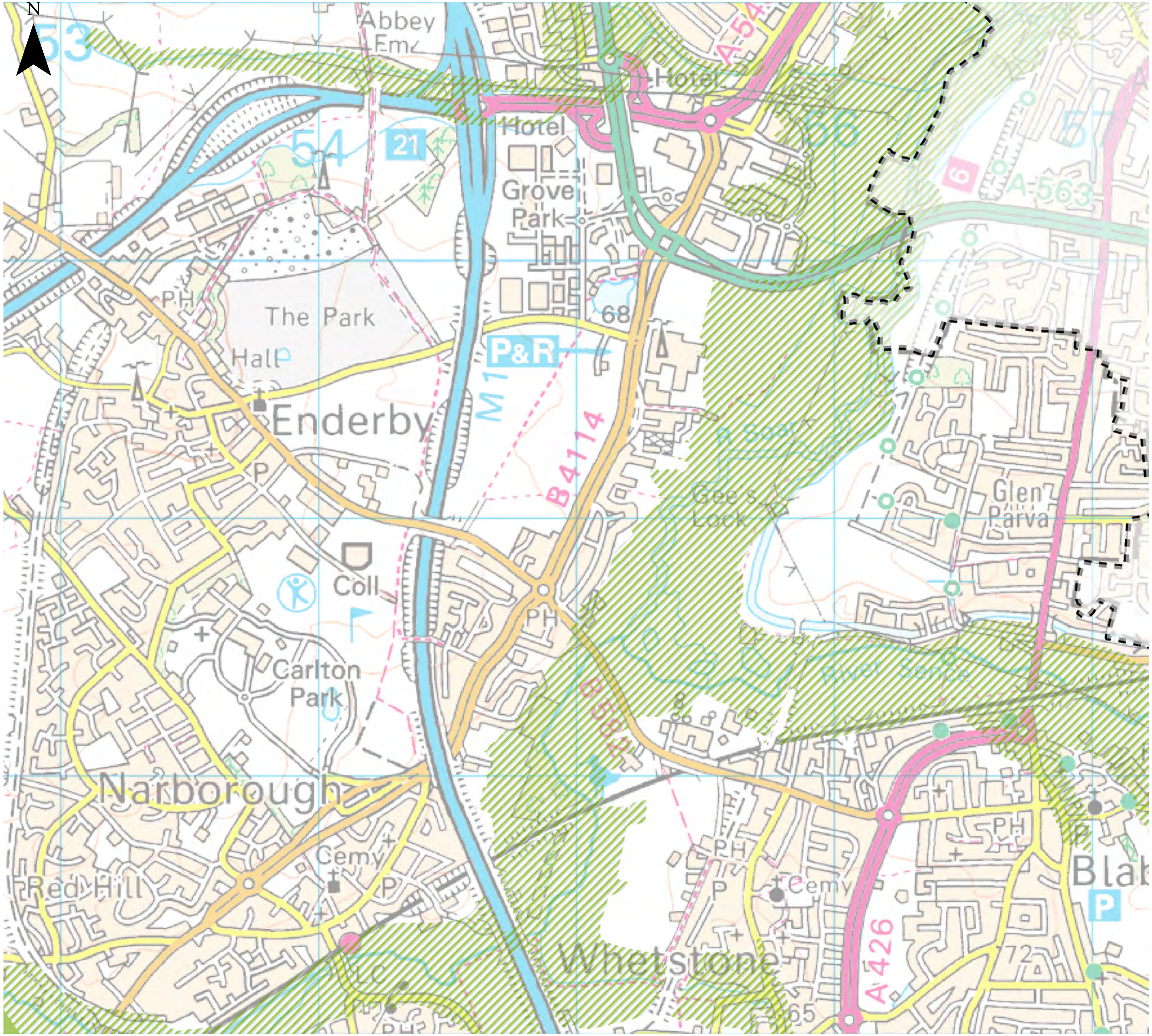
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 26 of 44 Index Number: JSFRA_26

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

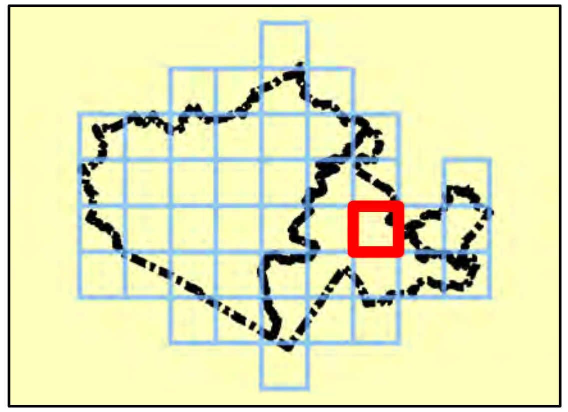
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

Joint SFRA area

Flood Zone 3 with Climate Change

Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 27 of 44 Index Number: JSFRA_27

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Notes

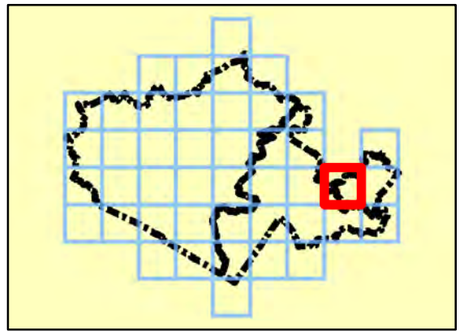
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

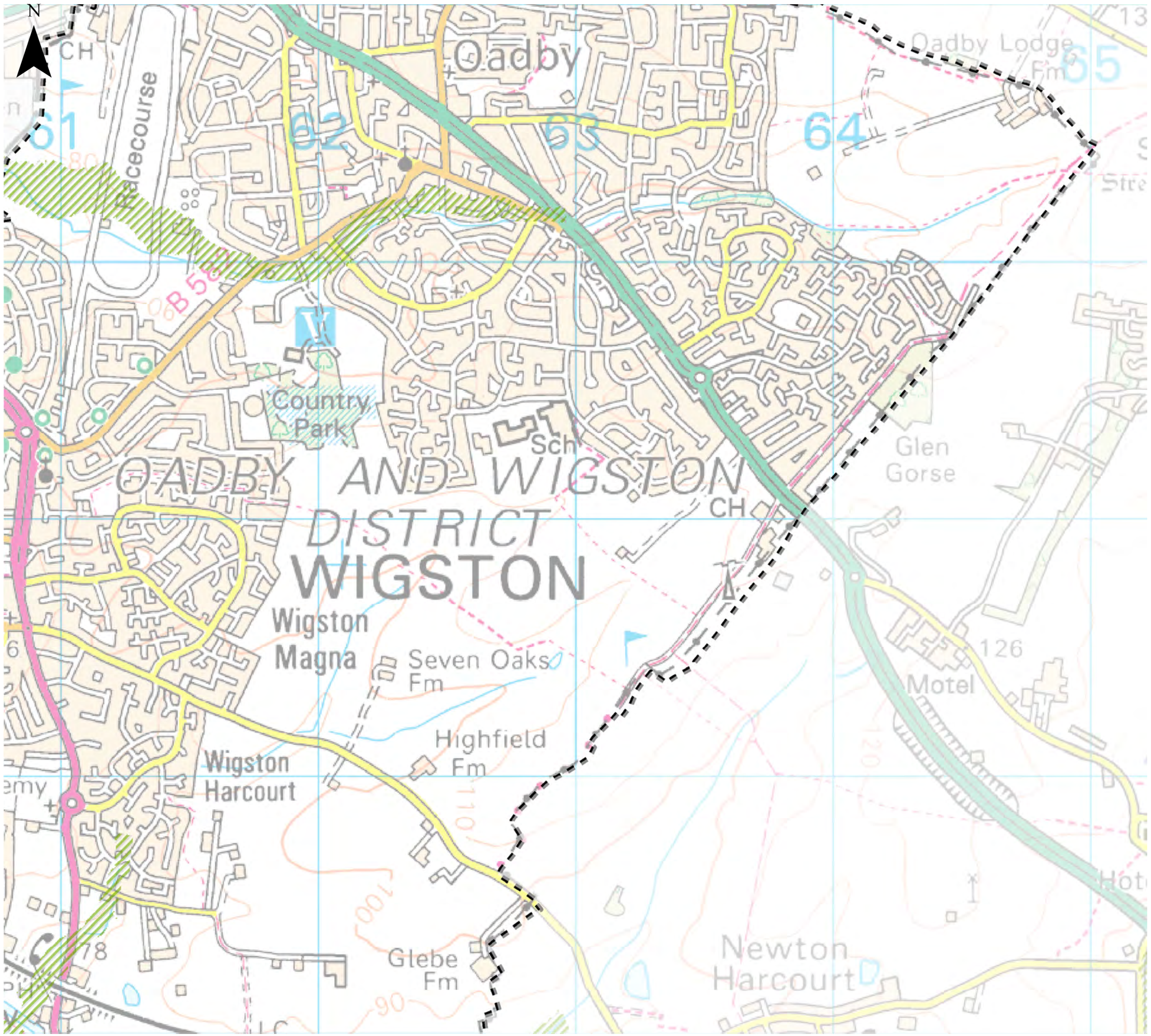
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 28 of 44 Index Number: JSFRA_28

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

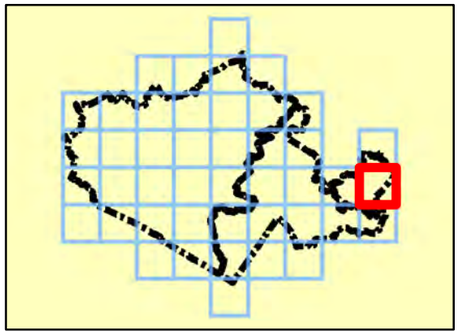
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

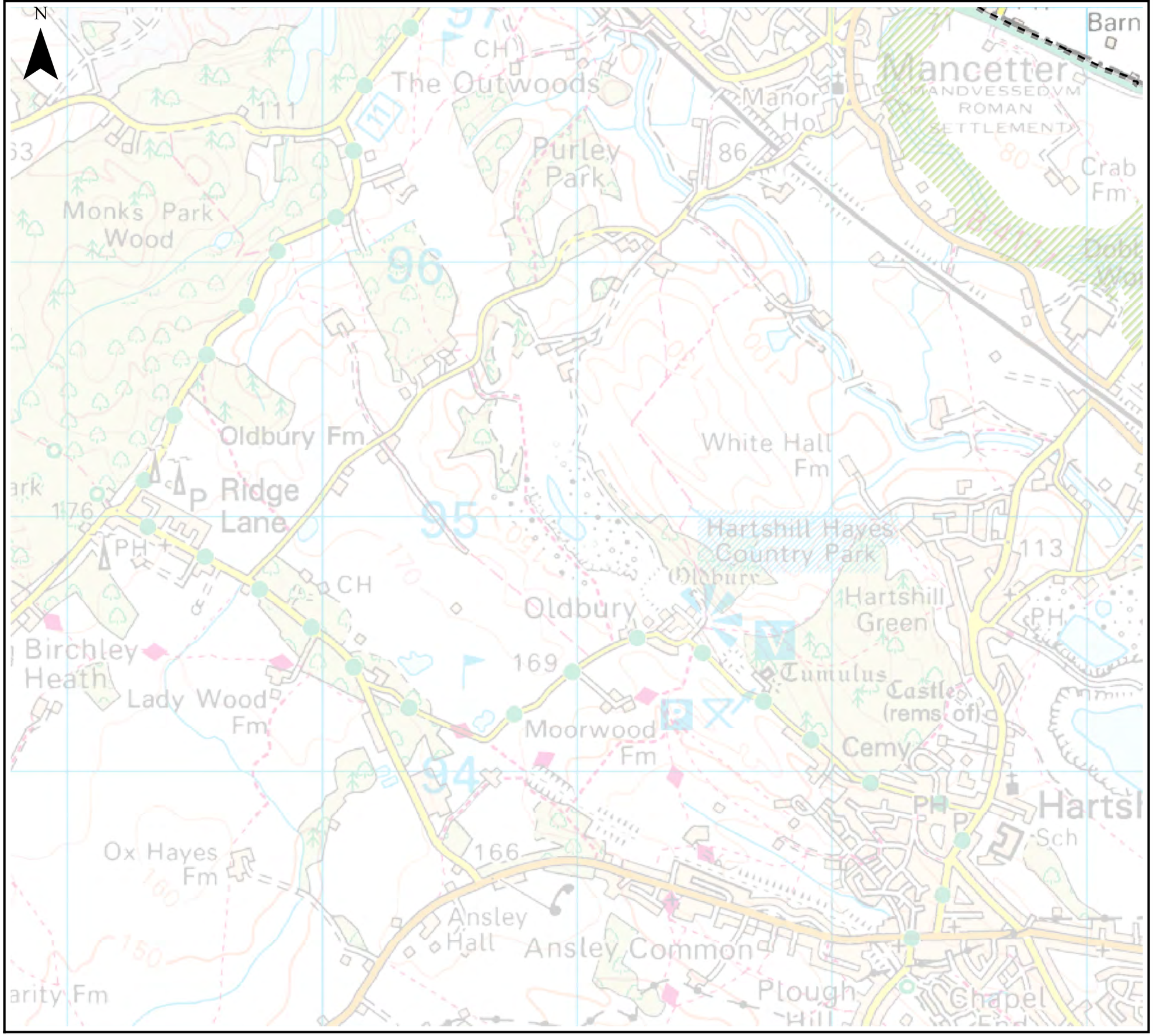
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 29 of 44 Index Number: JSFRA_29

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

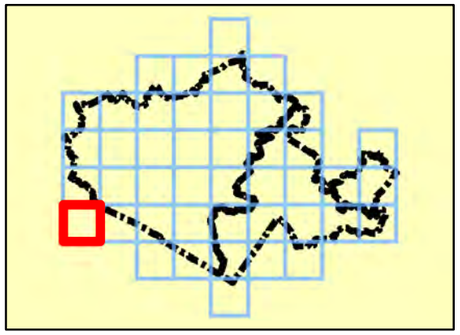
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

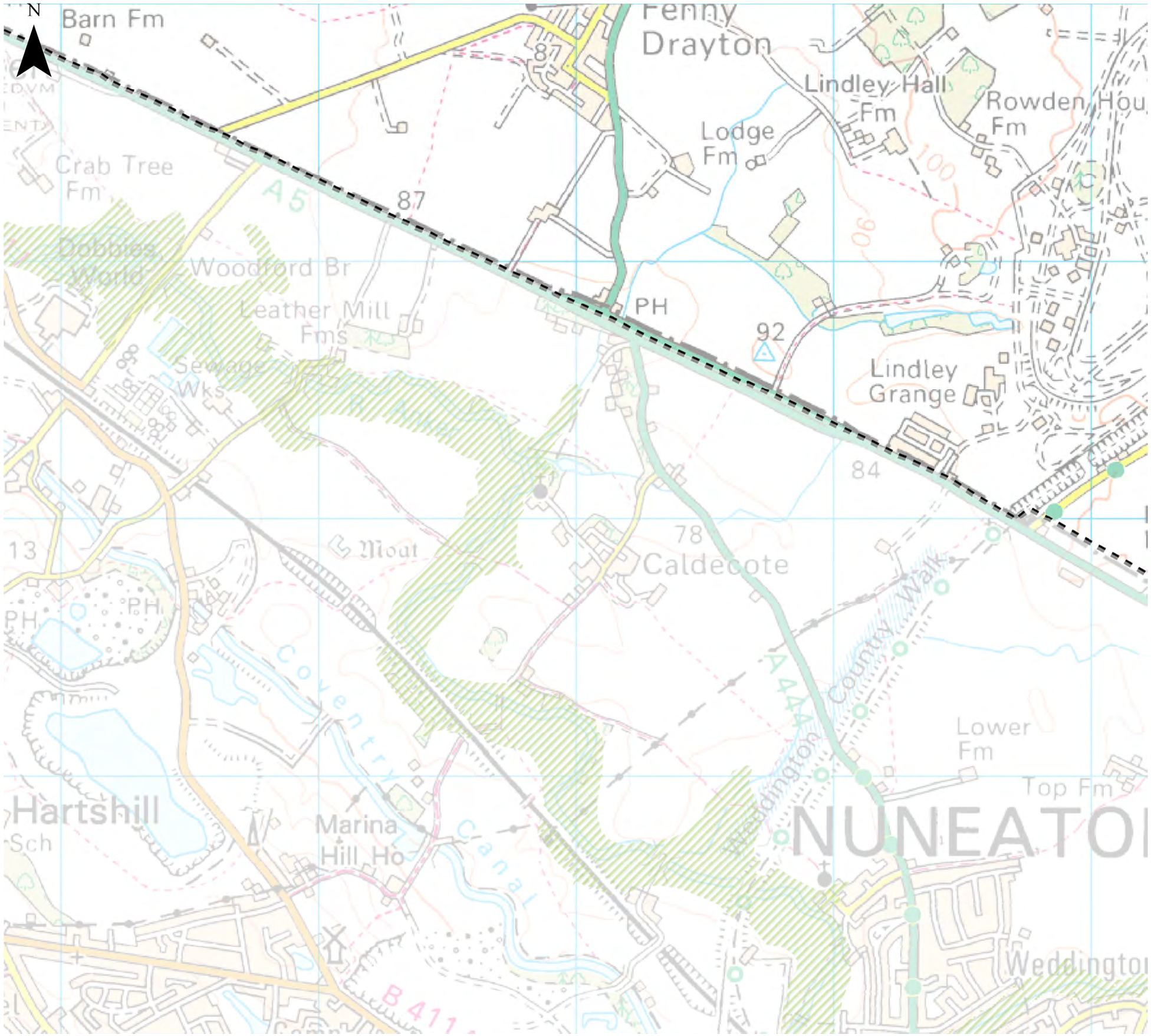
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 30 of 44 Index Number: JSFRA_30

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

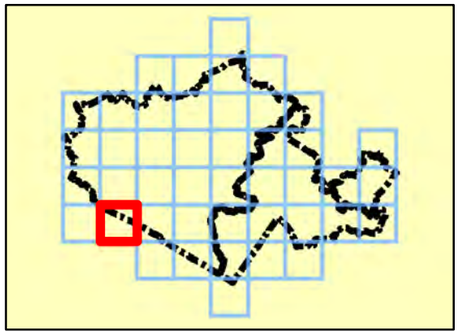
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

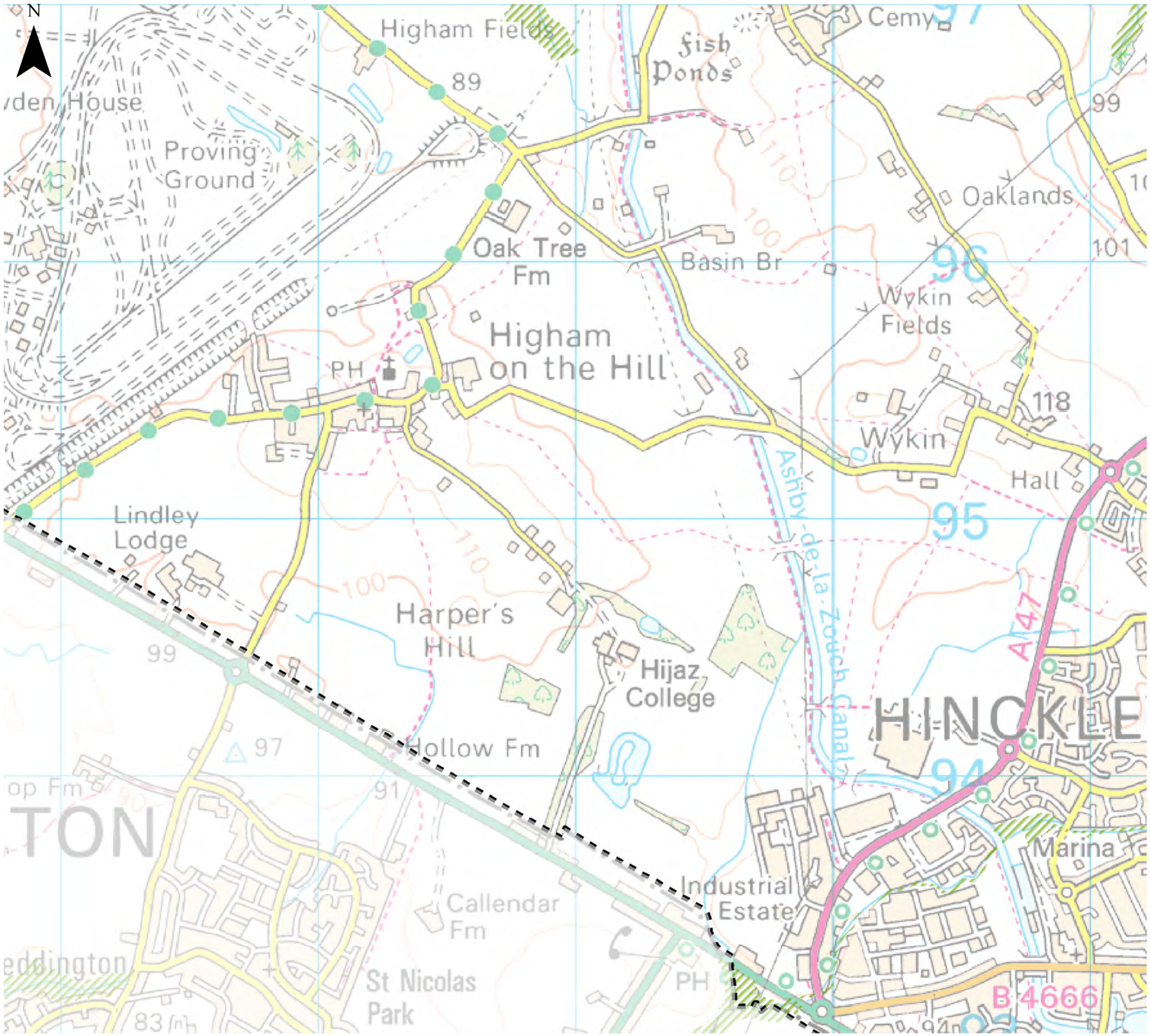
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 31 of 44 Index Number: JSFRA_31

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

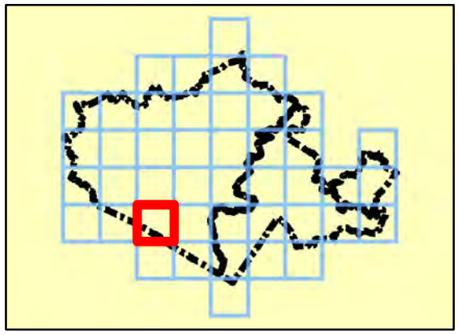
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

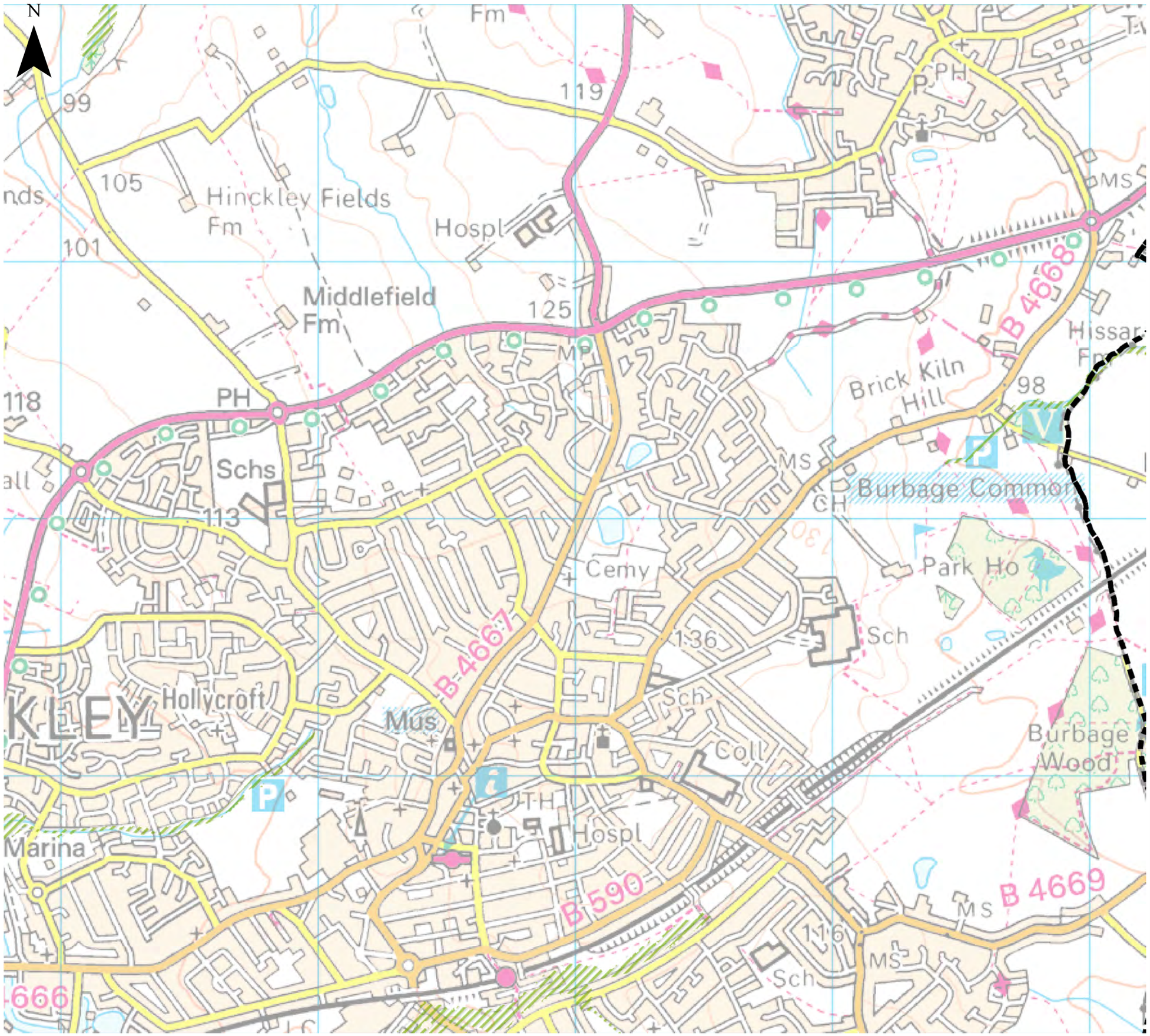
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 32 of 44 Index Number: JSFRA_32

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

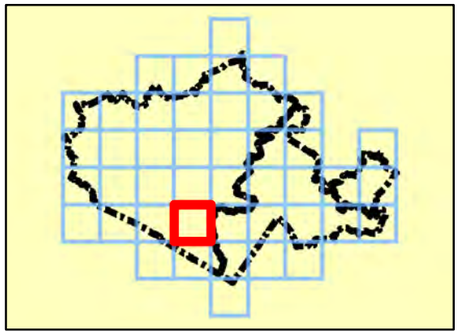
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

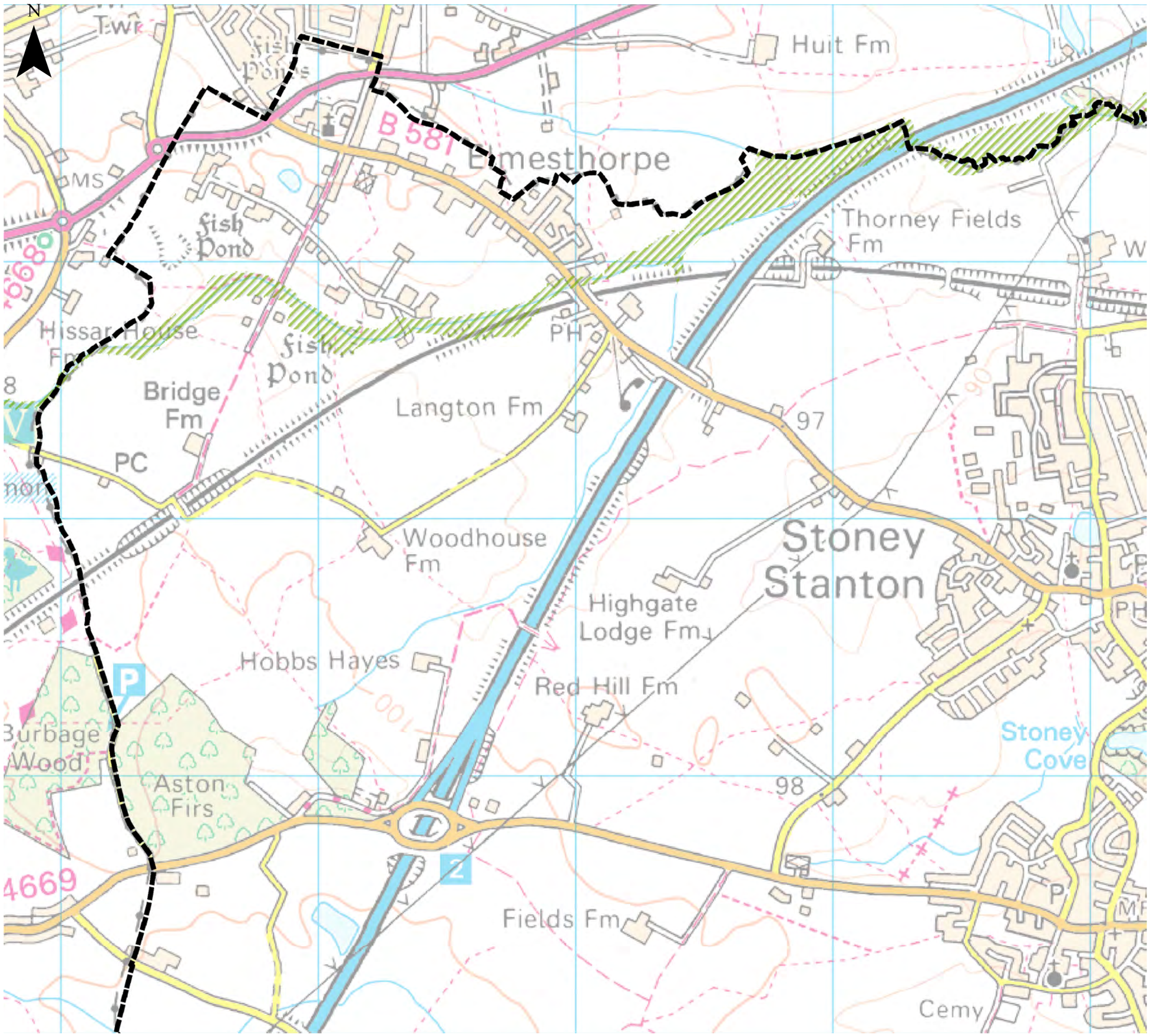
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 33 of 44 Index Number: JSFRA_33

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

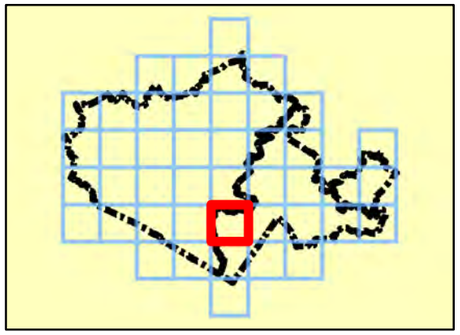
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

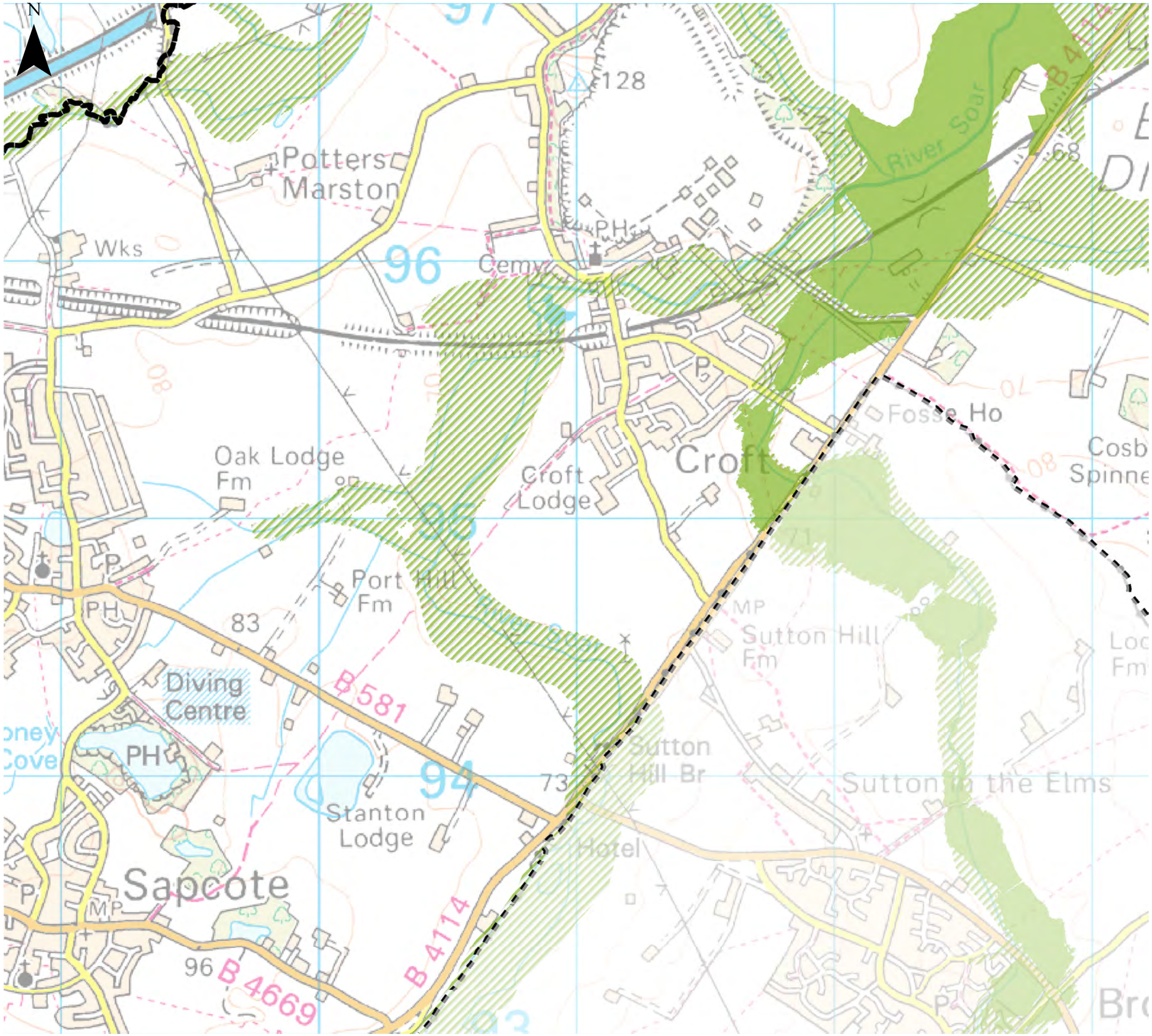
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 34 of 44 Index Number: JSFRA_34

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

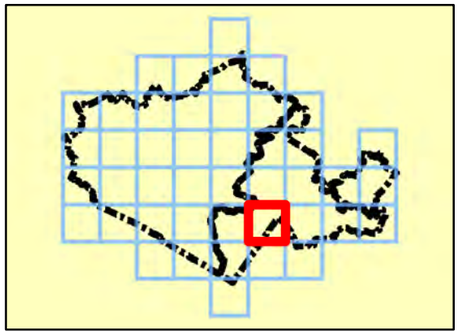
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

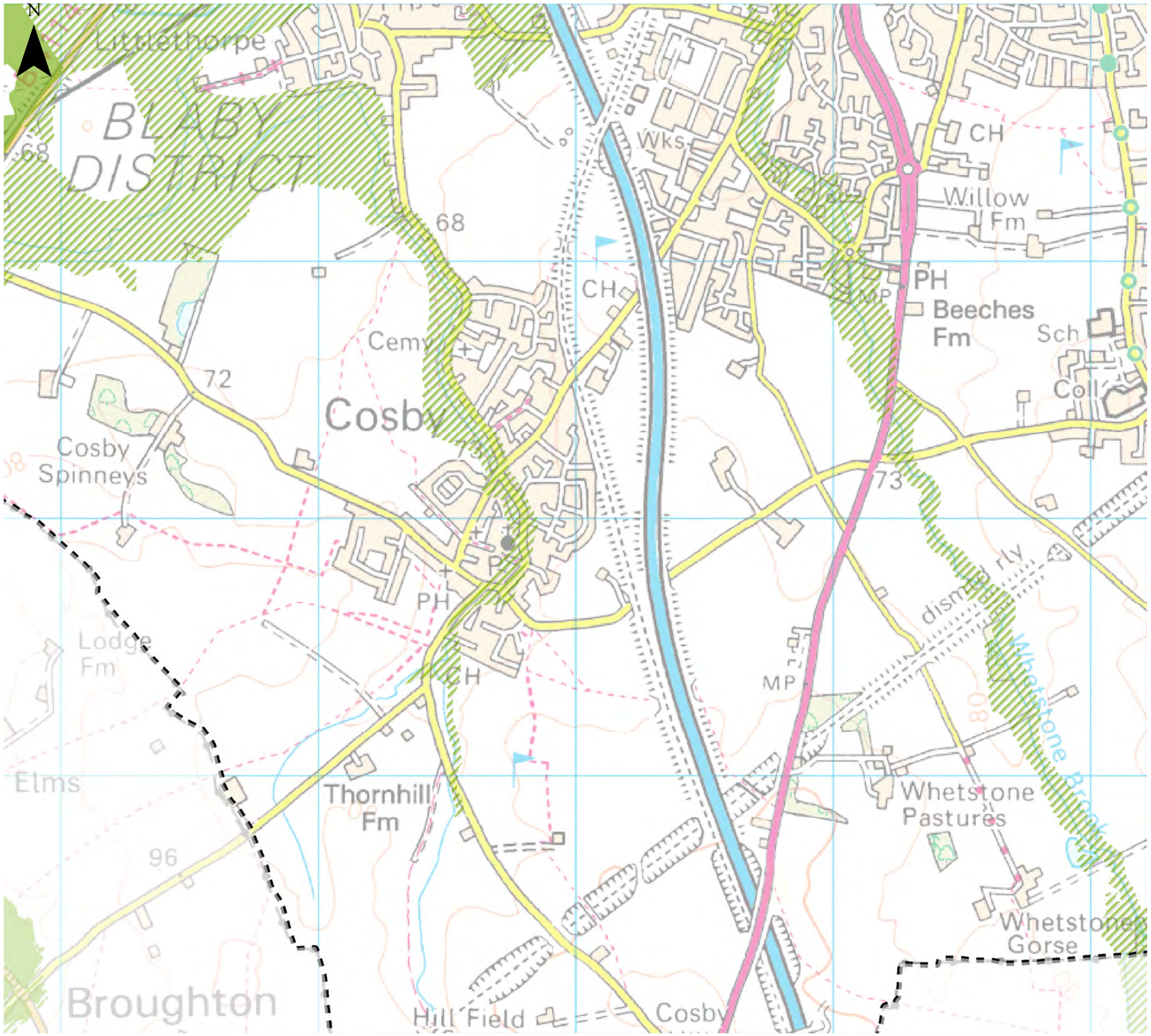
HBBC, BDC and OWBC
Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 35 of 44 Index Number: JSFRA_35

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

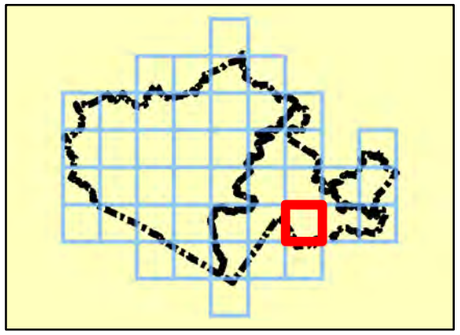
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

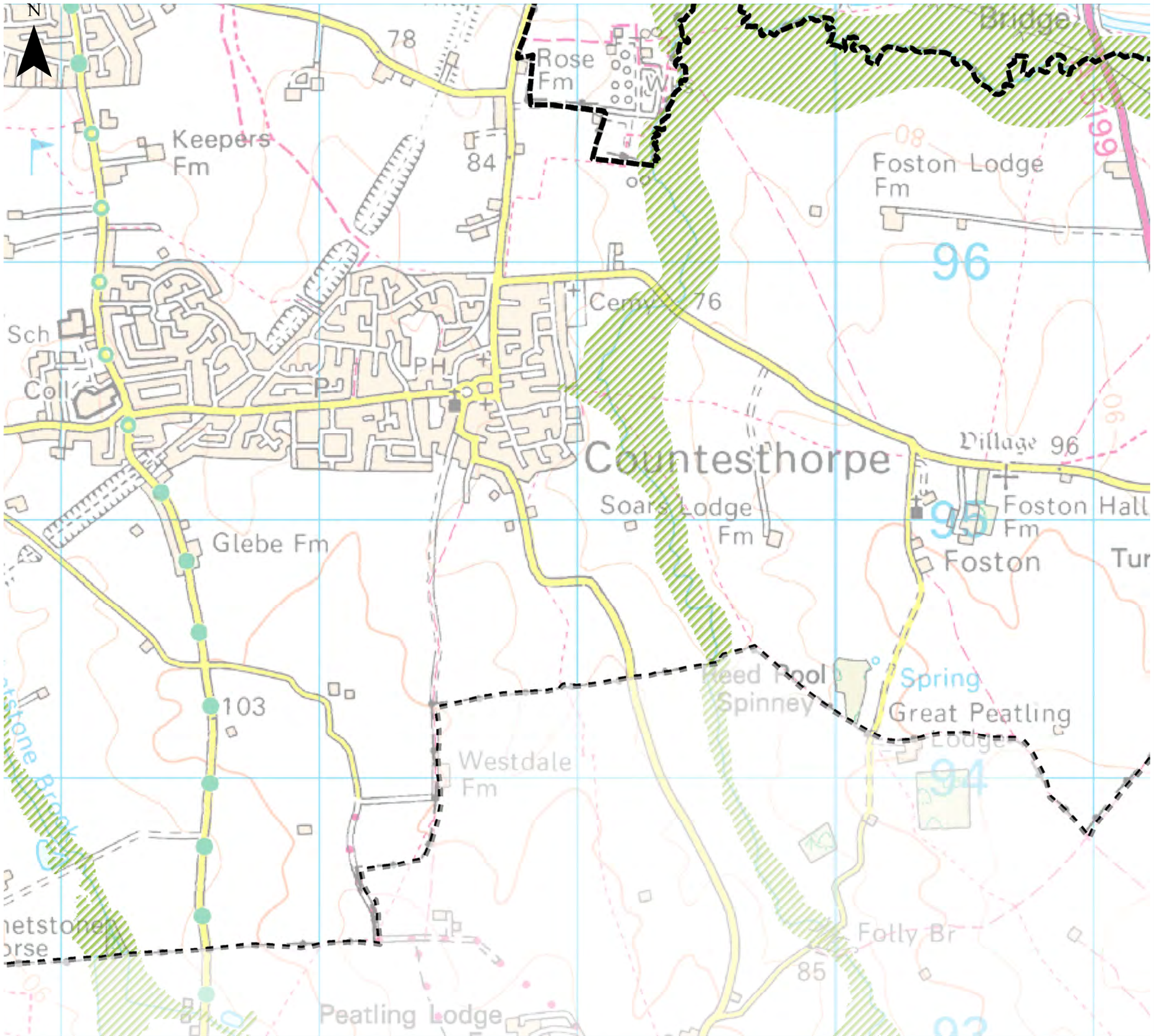
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 36 of 44 Index Number: JSFRA_36

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

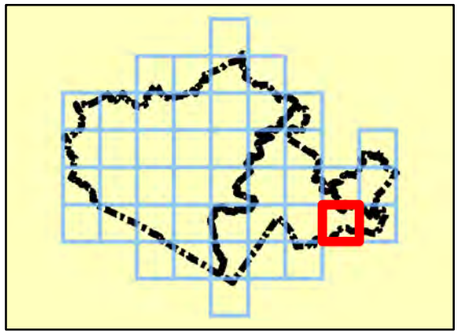
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Notes

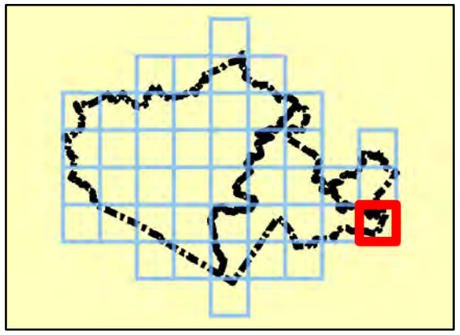
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 38 of 44 Index Number: JSFRA_38

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

N

Notes

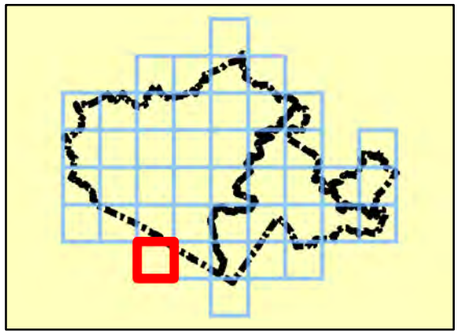
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 39 of 44 Index Number: JSFRA_39

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

Notes

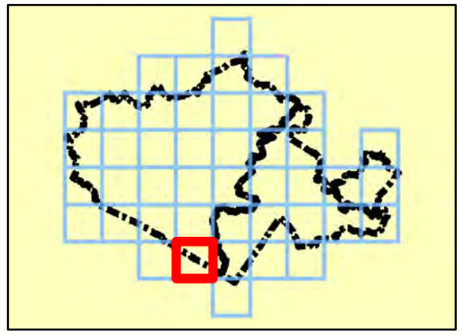
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

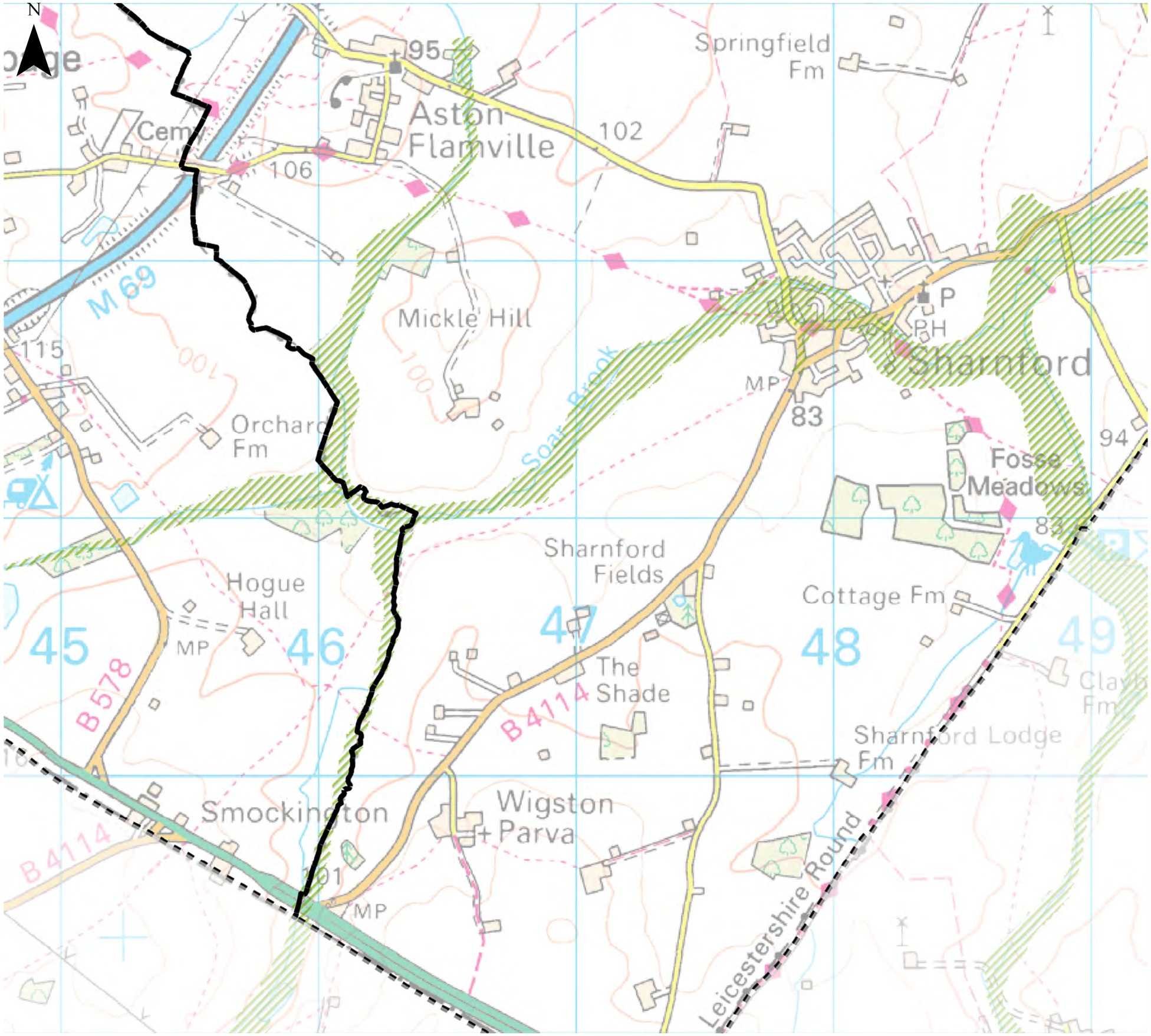
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 40 of 44 Index Number: JSFRA_40

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

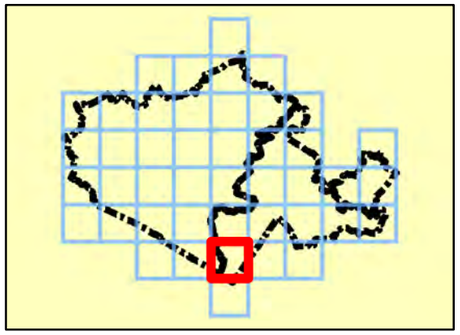
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

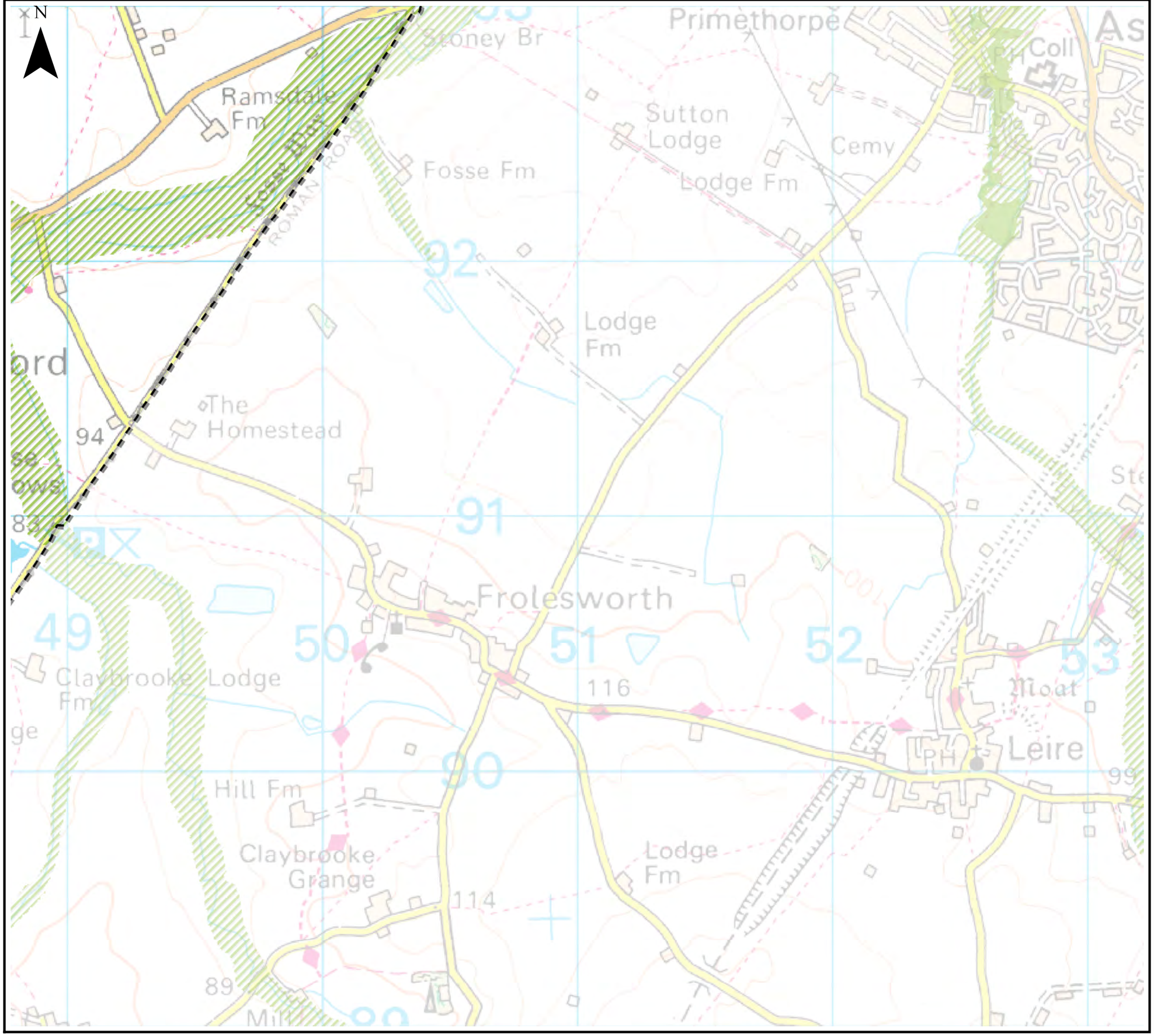
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 41 of 44 Index Number: JSFRA_41

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

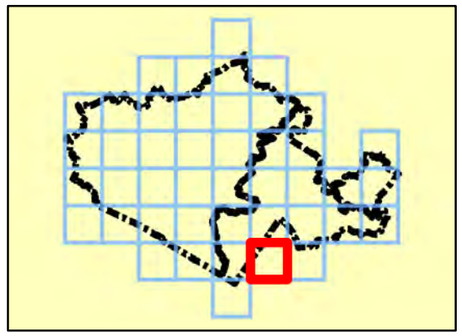
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

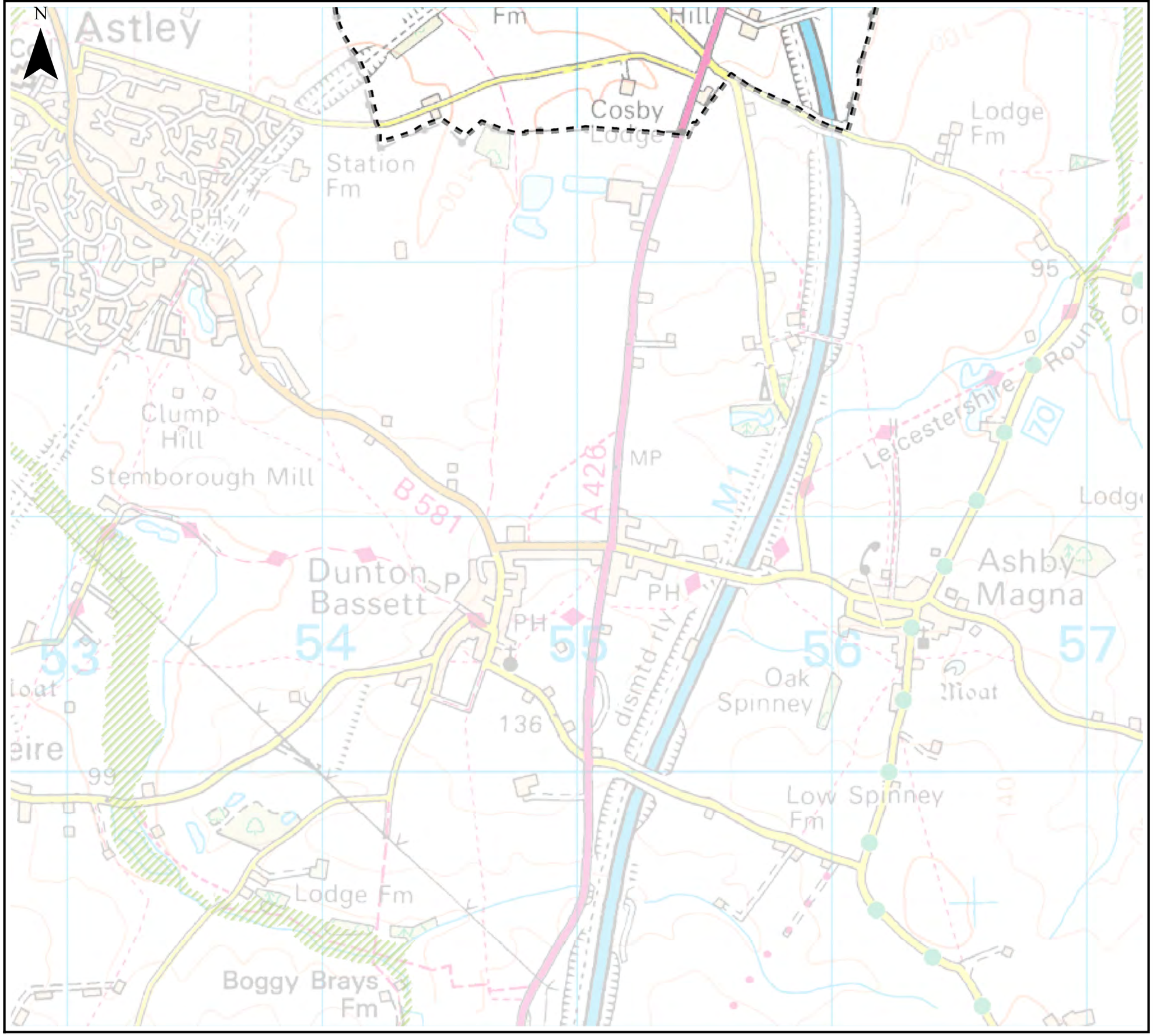
HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 42 of 44 Index Number: JSFRA_42

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.



Notes

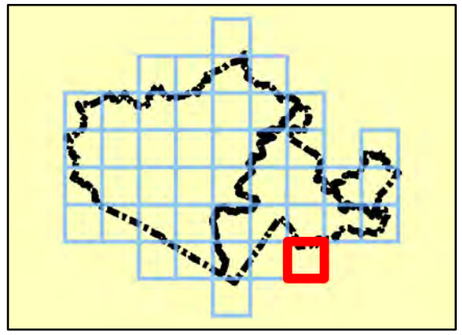
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 43 of 44 Index Number: JSFRA_43

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.

N

Copston Magna
Copston Fields Fm
Wibtoft
Claybrooke Magna
Claybrooke Parva
VENONIS Roman Settlement
Hotel
Manor Fm
97
PH
134
140
128
B4455
A5
Watling Street
ROMAN ROAD
Wolvey Wolds
Cloudesley Bush
Cloudesley Fm
Hobley Furze
Wood Fm
Spring Fm
Tithe Platts Fm
Willey Fields
Cottons Furze
Norwood Fm
Grounds Fm

Notes

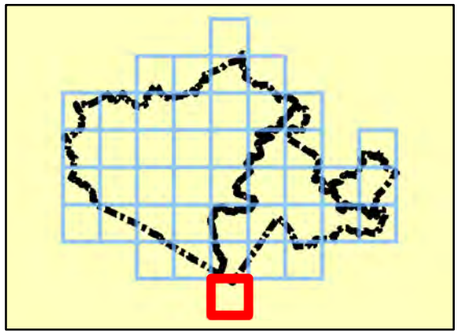
The climate change map shows the potential impacts that climate change may have on river flows and, subsequently, on flood events. Where models exist in the study area, a change factor has been applied to the 1 in 100 year flows.

Where modelling output is not available, the Environment Agency's flood zones can provide some indication of areas where rare, more extreme flows might affect the floodplain extents, by comparing Flood Zone 3a with Flood Zone 2. For the purposes of this study, a precautionary approach has been adopted where Flood Zone 2 has been used as a guide to provide an indication of the likely increase in extent of Flood Zone 3 with climate change (hatched areas).

No undefended model information was available for the production of Flood Zone 3a with climate change extents on the Lubbersthorpe Brook.

Developers should assess the flood risk implications of climate change to development as part of a detailed Flood Risk Assessment.

Key Plan



Legend

- Joint SFRA area
- Flood Zone 3 with Climate Change
- Indicative Extent of Flood Zone 3 with Climate Change

0 0.1 0.2 0.4 0.6 0.8 km

REF	Date	Comments
A	Aug 2014	Draft
B	Sept 2014	Final
C		

Reproduced from Ordnance Survey mapping with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. © Crown copyright and database rights 2014 Ordance Survey 0100031673.

HBBC, BDC and OWBC Joint SFRA

APPENDIX D

CLIMATE CHANGE FLOOD OUTLINE

Sheet No: 44 of 44 Index Number: JSFRA_44

This document is the property of Jeremy Benn Associates Ltd. It shall not be reproduced in whole or in part, nor disclosed to a third party, without the permission of Jeremy Benn Associates Ltd.