



The Sizewell C Project

5.2 Main Development Site Flood Risk Assessment Addendum Appendices A-F Part 3 of 10

Revision: 1.0
Applicable Regulation: Regulation 5(2)(e)
PINS Reference Number: EN010012

January 2021

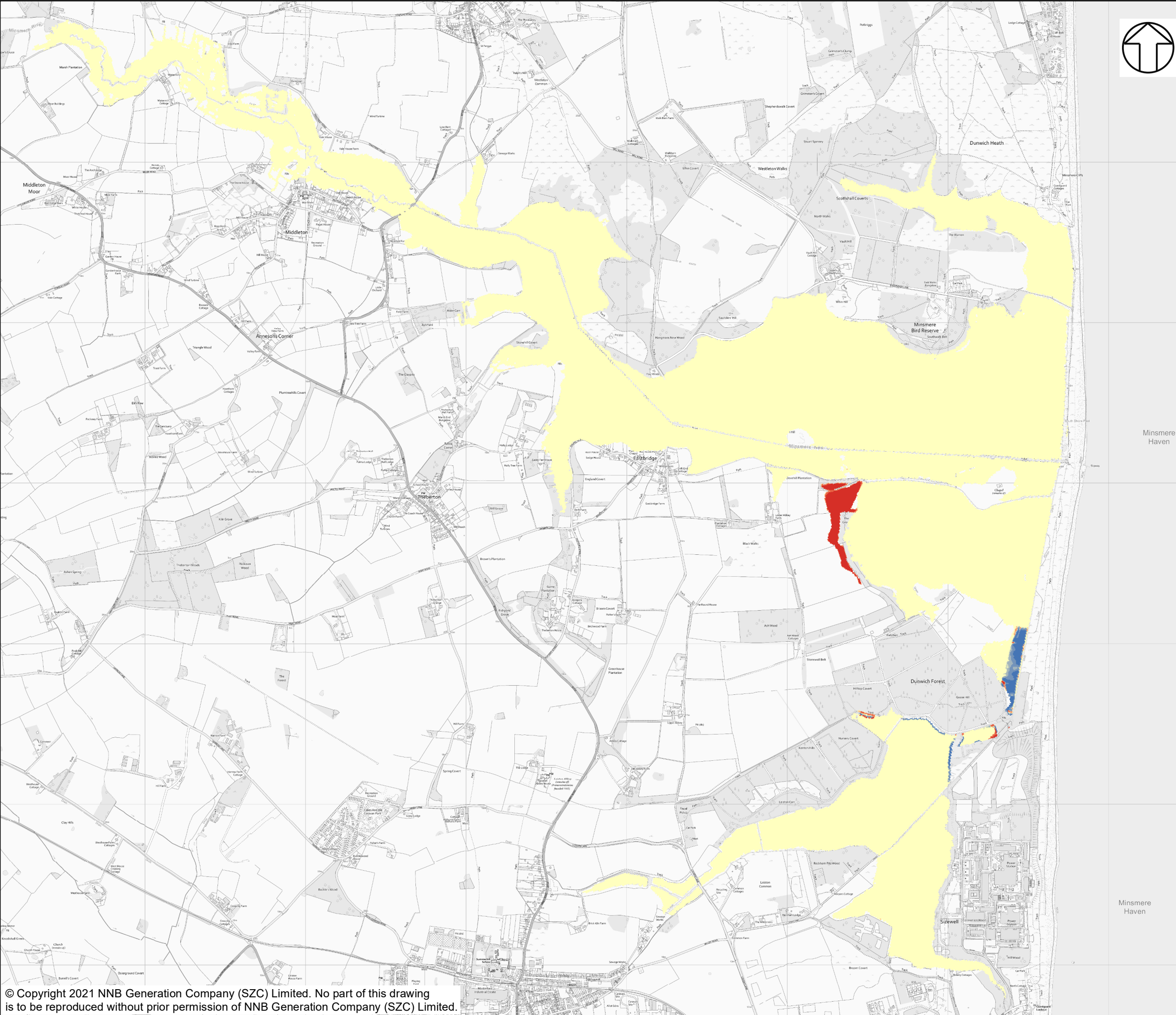
Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009



MAIN DEVELOPMENT SITE FLOOD RISK ASSESSMENT ADDENDUM APPENDICES

Documents included within this issue are as follows:

- Appendix A: Extract of the Environment Agency Relevant Representation Related to Flood Risk
- Appendix B: Collated Comments from the Environment Agency on 5th February 2020 and 4th August 2020
- **Appendix C: Fluvial Modelling Report Addendum (Continued from Part 2 of 10)**
- Appendix D: Tidal Breach and Coastal Inundation Modelling Report Addendum
- Appendix E: Coastal Wave Overtopping Modelling Report Addendum
- Appendix F: Main Development Site Flood Risk Emergency Plan



NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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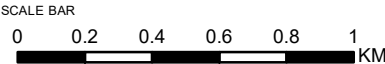


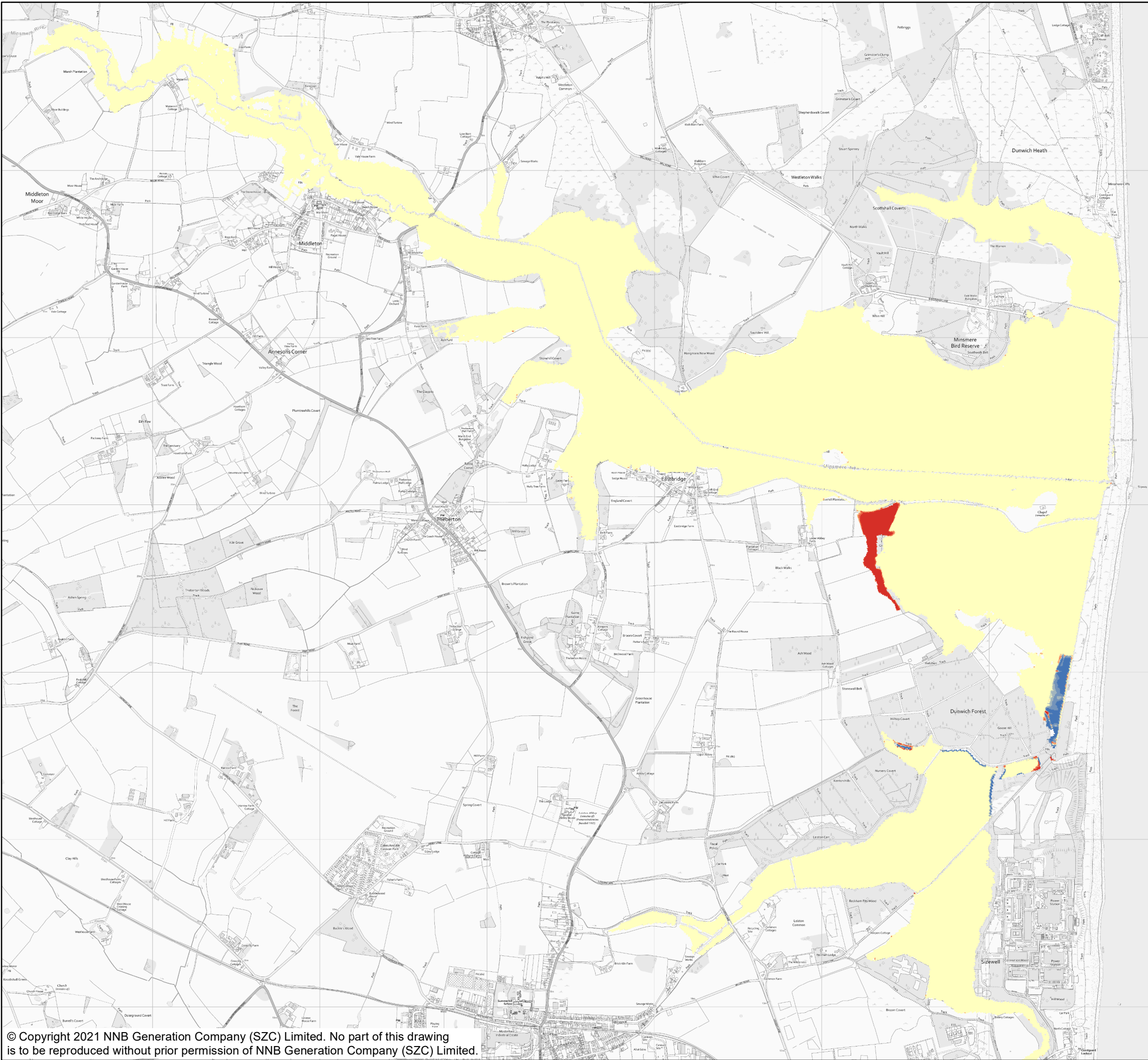
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FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 5-YEAR +35%CC

DRAWING NO:
FIGURE B.1

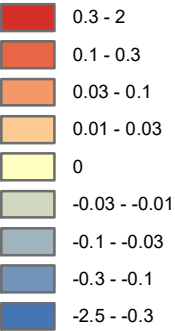
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NOTES

KEY FLOOD DEPTH DIFFERENCE



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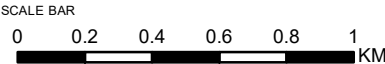


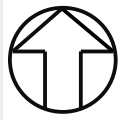
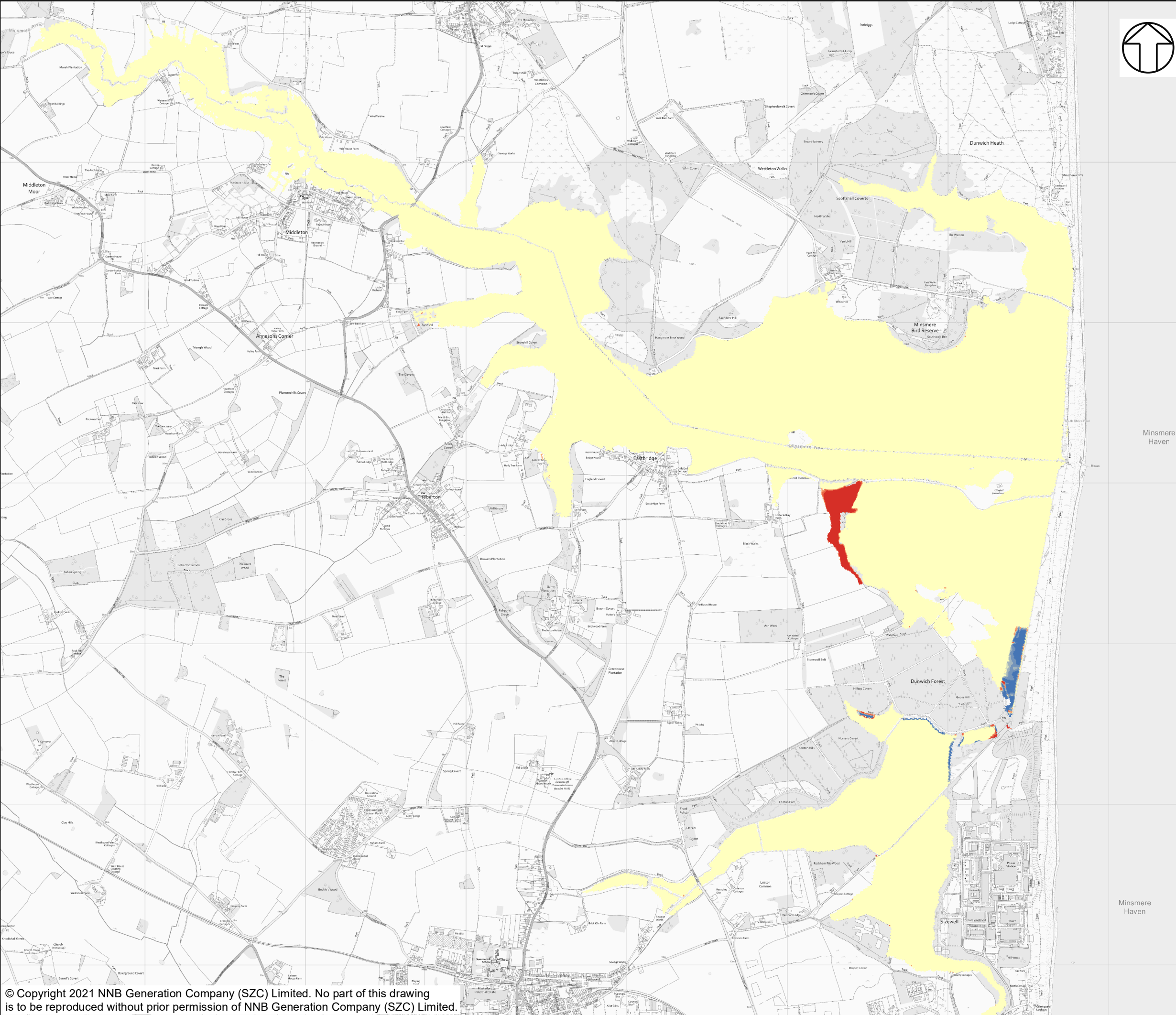
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FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
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1 IN 5-YEAR +65%CC

DRAWING NO:
FIGURE B.2

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:22,500 @A3 **REVISION:** 2.0





NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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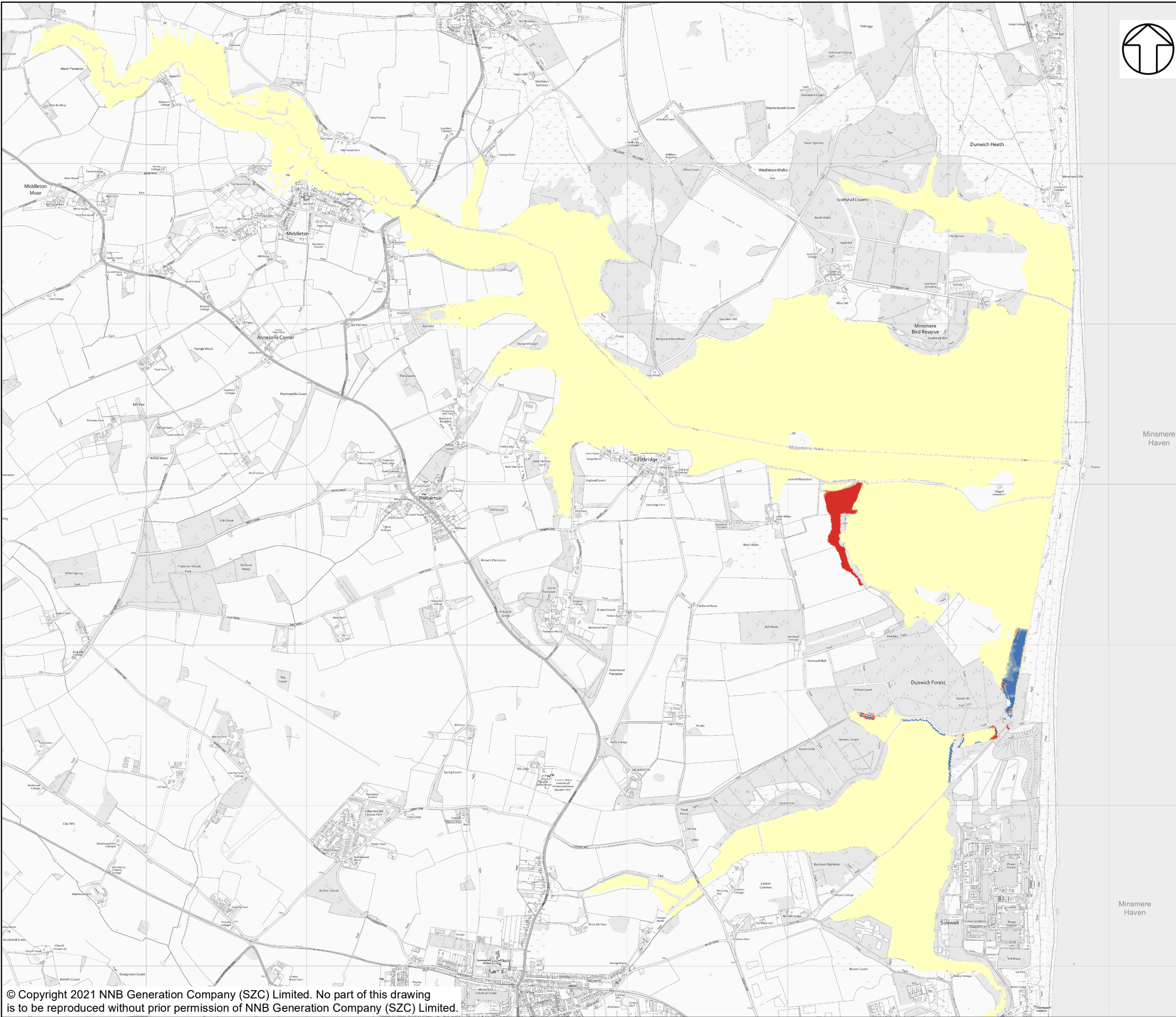
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
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1 IN 5-YEAR +80%CC

DRAWING NO:
FIGURE B.3

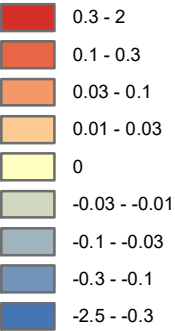
DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 KM



NOTES

KEY
FLOOD DEPTH DIFFERENCE



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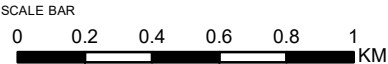


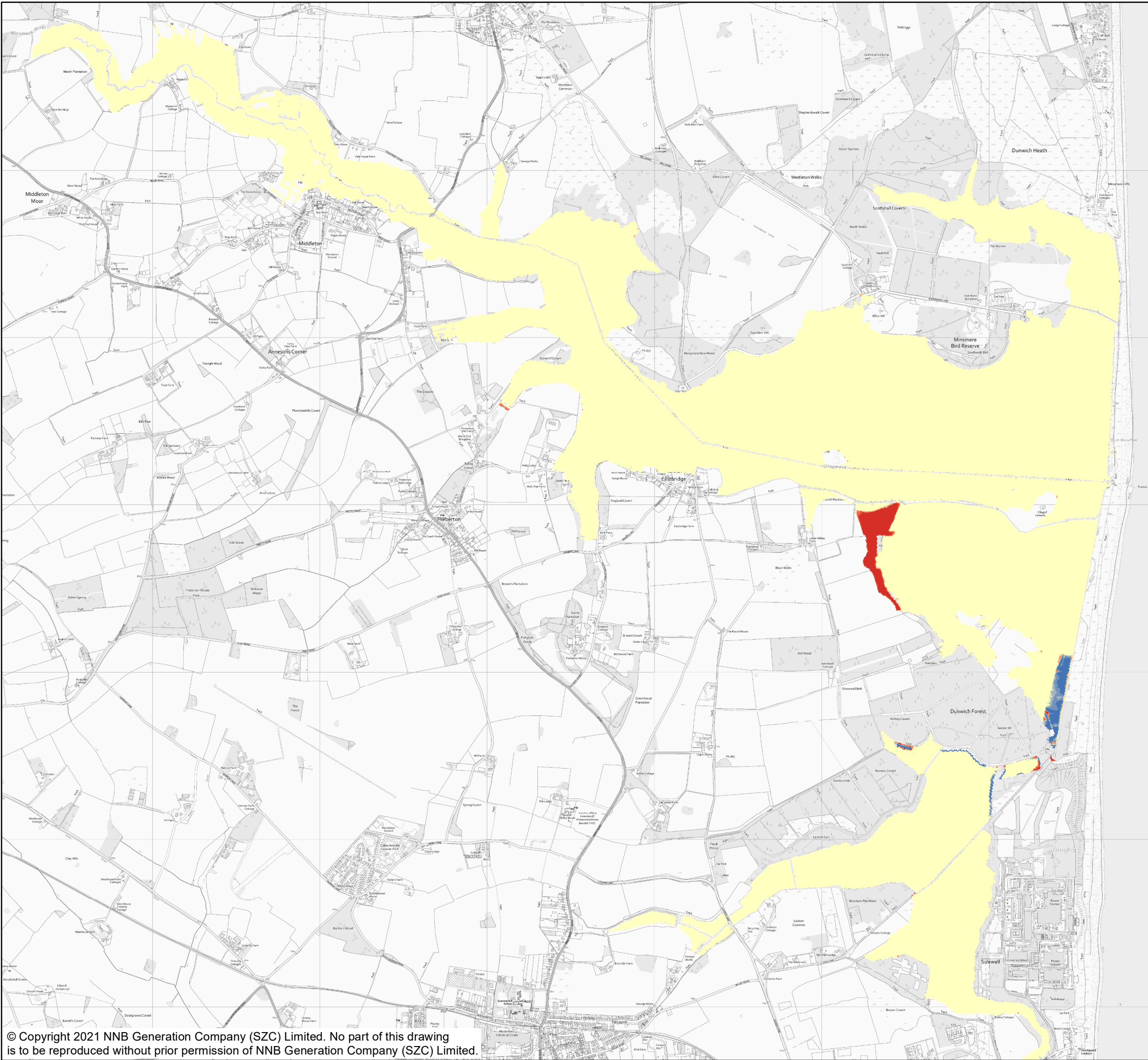
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 20-YEAR +35%CC

DRAWING NO:
FIGURE B.4

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:22,500 @A3 **REVISION:** 2.0





NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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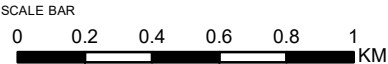


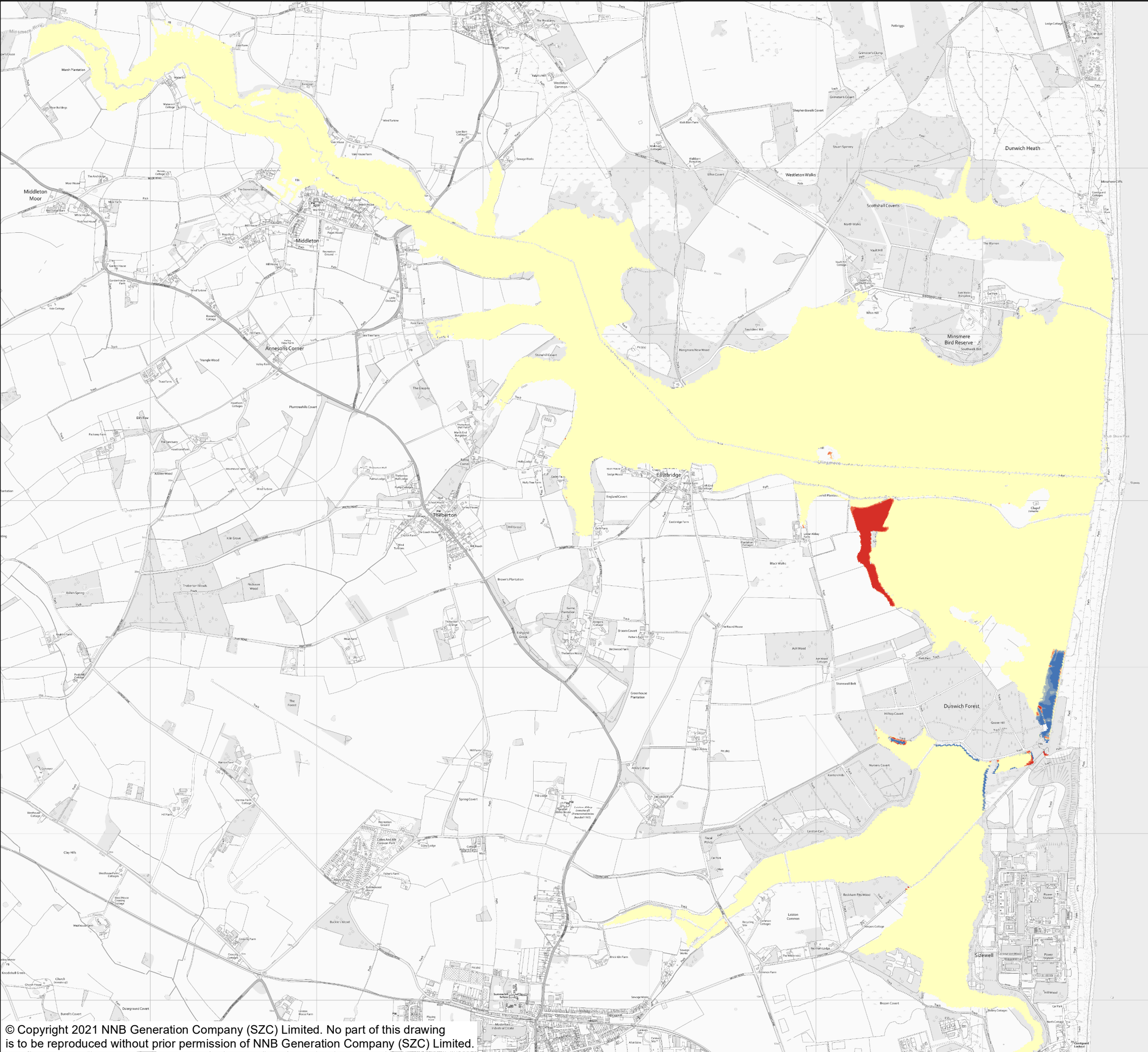
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 20-YEAR +65%CC

DRAWING NO:
FIGURE B.5

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 0.2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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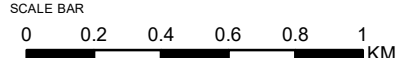


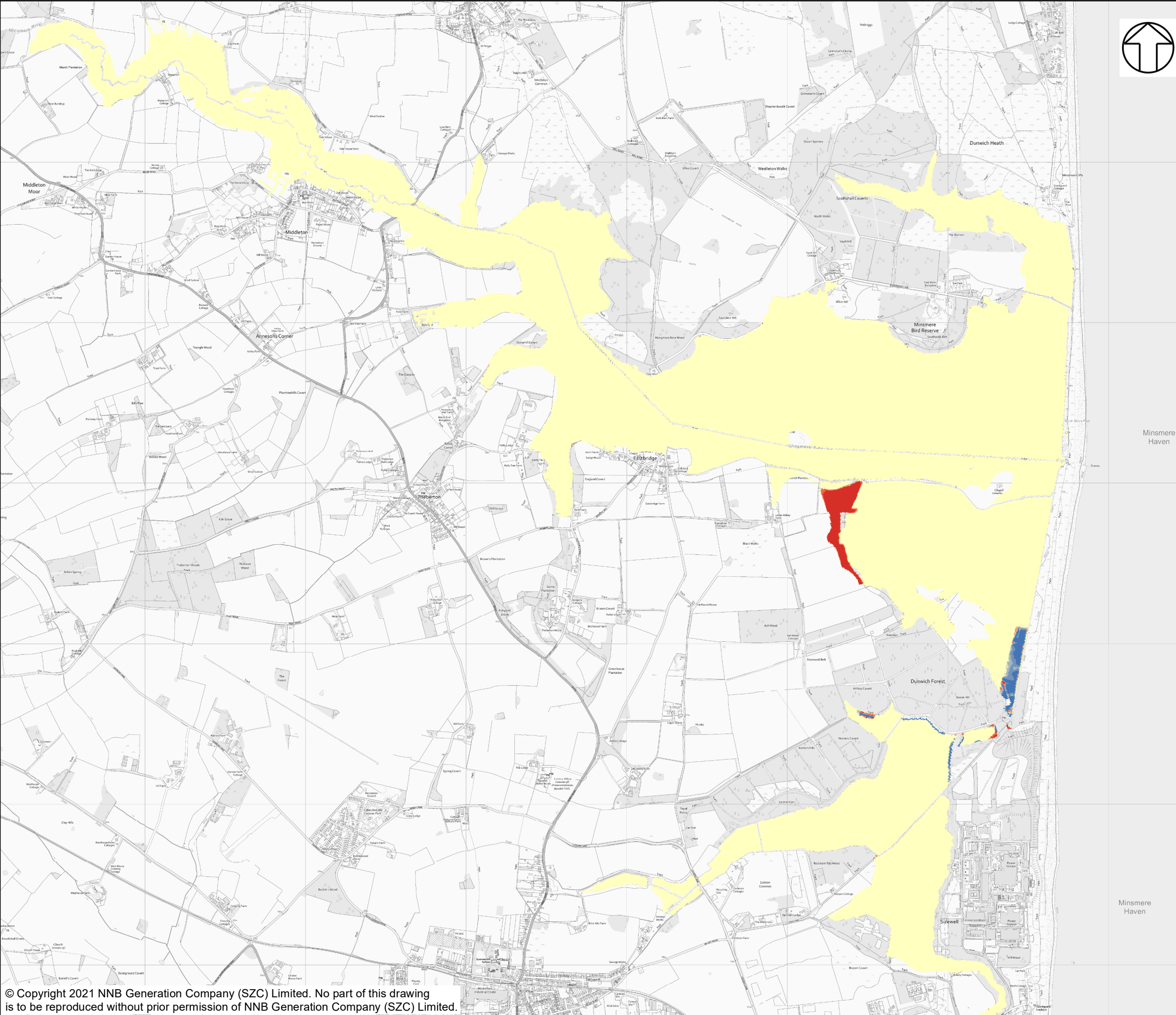
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 20-YEAR +80%CC

DRAWING NO:
FIGURE B.6

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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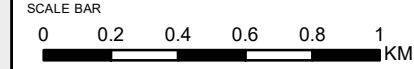


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FLUVIAL MODELLING RESULTS

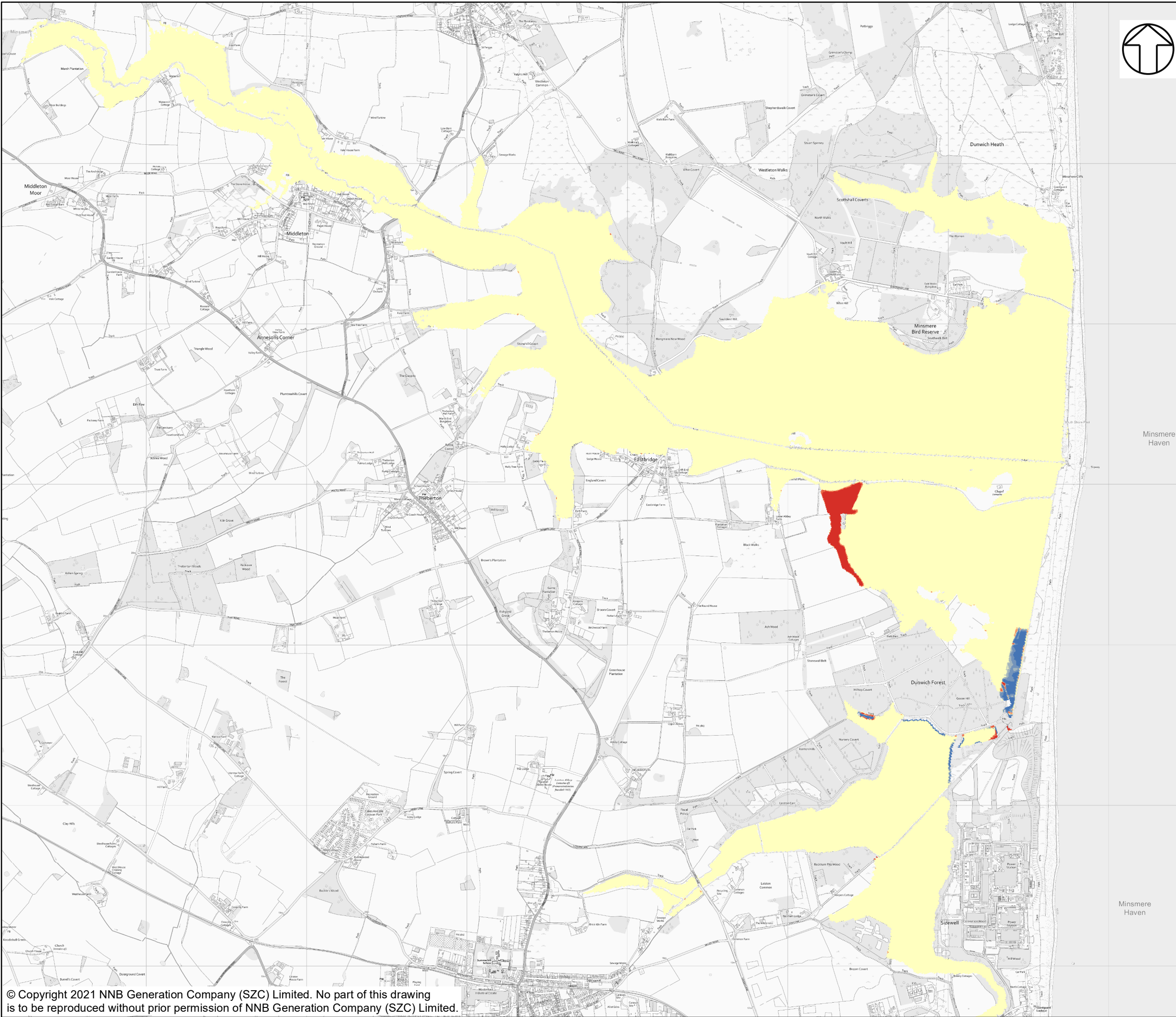
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1 IN 100-YEAR +35%CC

DRAWING NO:
FIGURE B.7

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NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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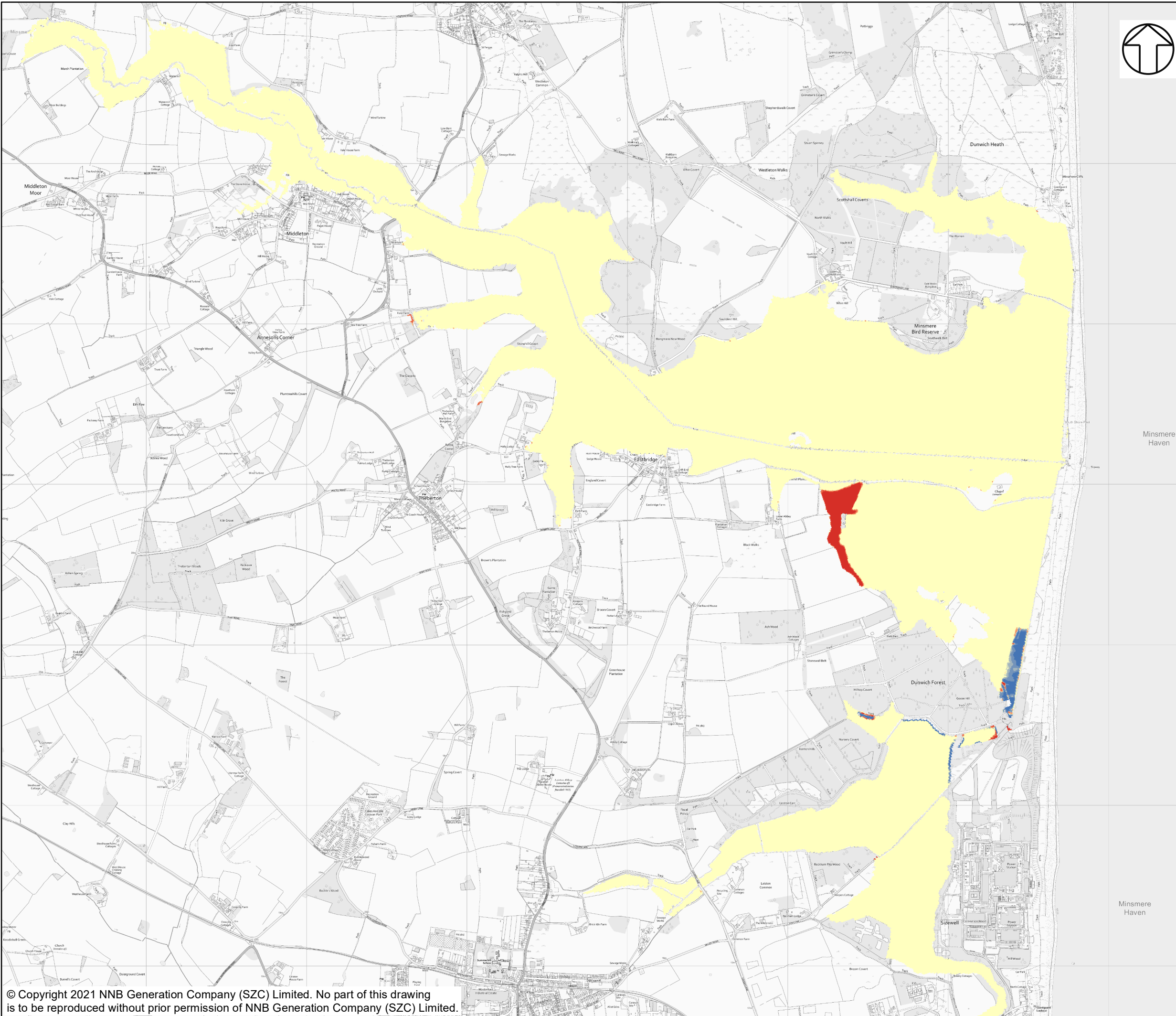
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 100-YEAR +65%CC

DRAWING NO:
FIGURE B.8

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 KM



NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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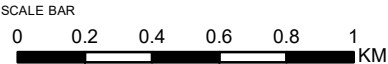


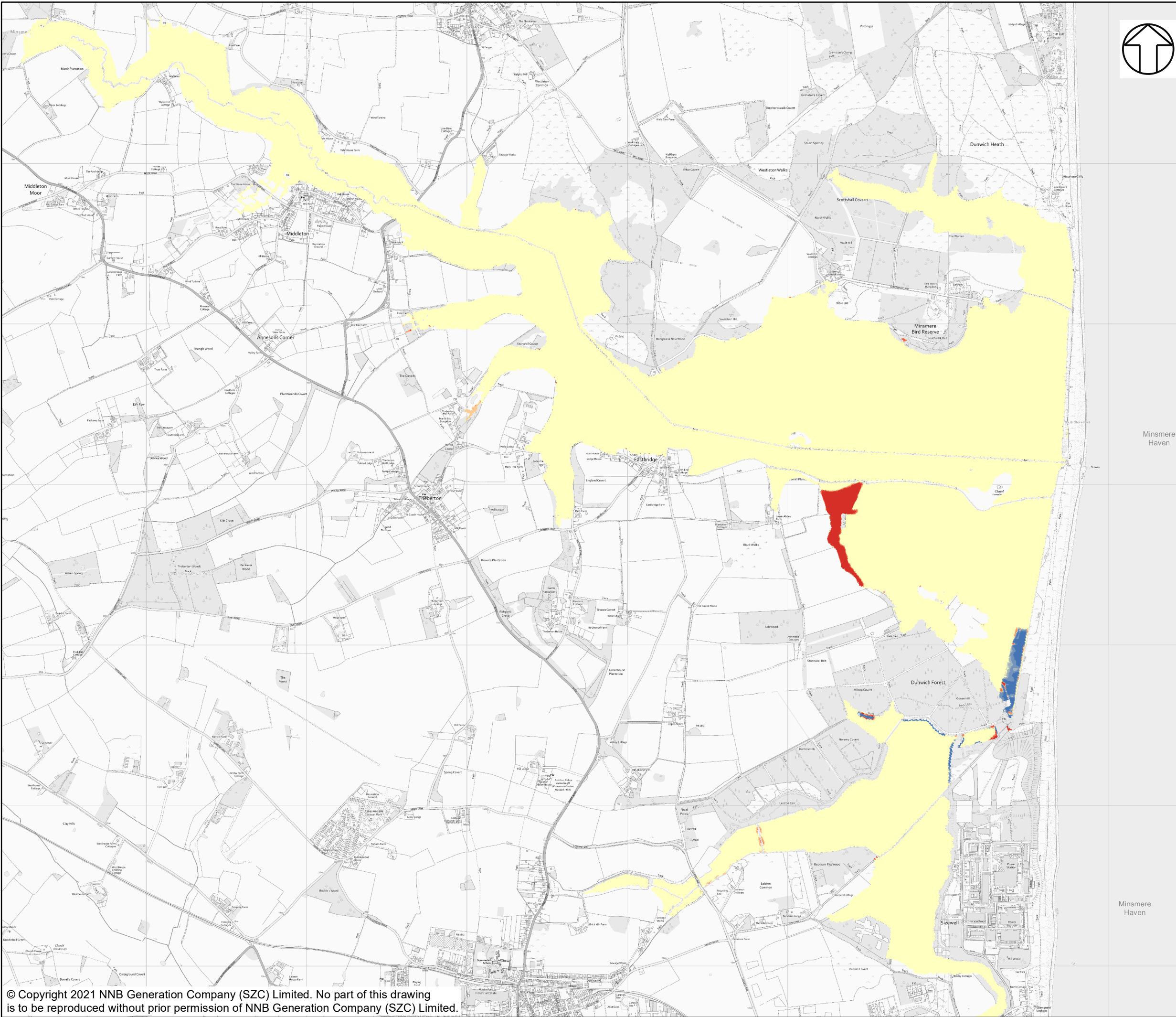
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FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 100-YEAR +80%CC

DRAWING NO:
FIGURE B.9

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NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 0.2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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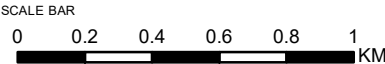


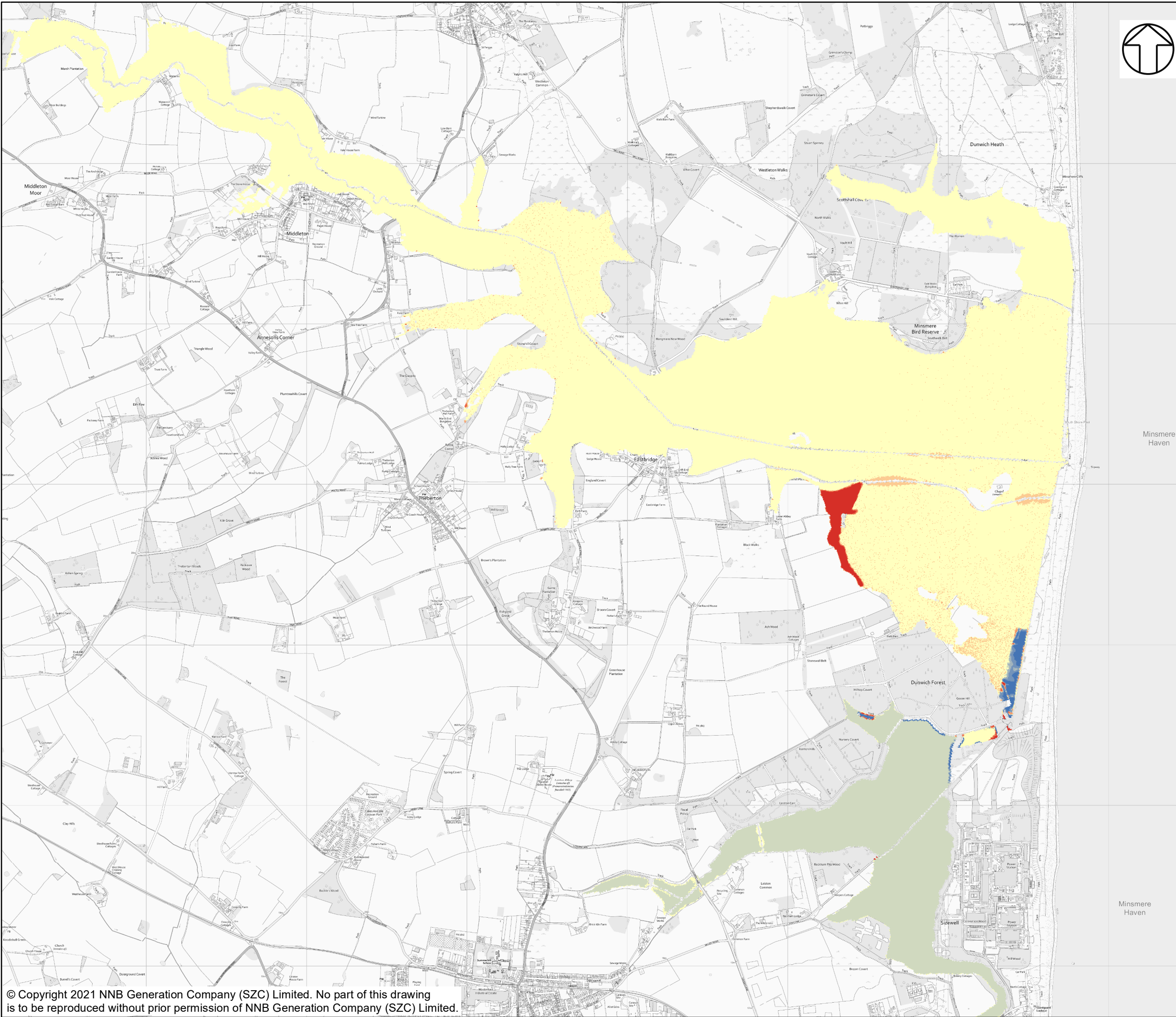
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 1000-YEAR +35%CC

DRAWING NO:
FIGURE B.10

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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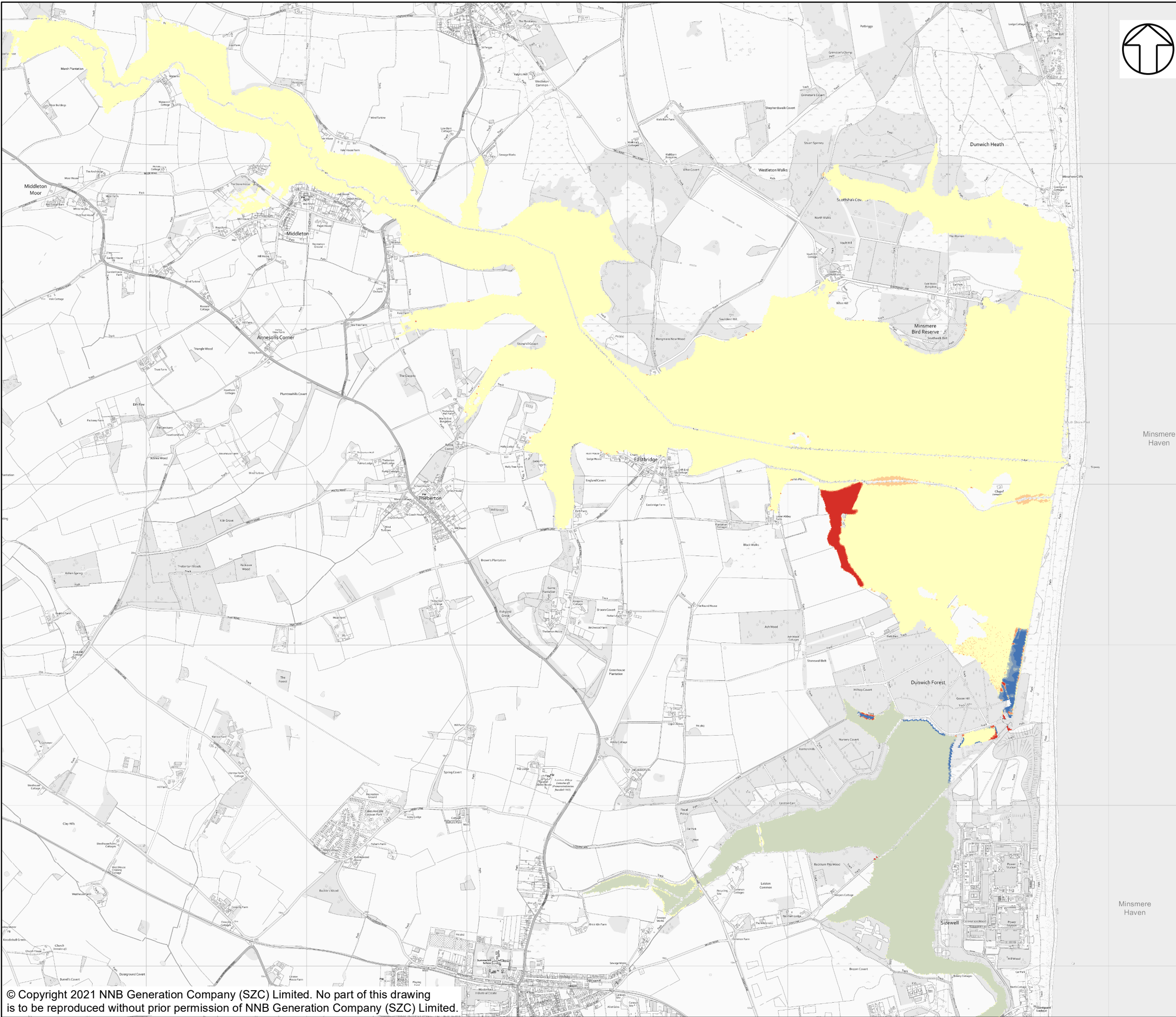
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FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 1000-YEAR +65%CC

DRAWING NO:
FIGURE B.11

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 KM



NOTES

KEY
FLOOD DEPTH DIFFERENCE

- 0.3 - 2
- 0.1 - 0.3
- 0.03 - 0.1
- 0.01 - 0.03
- 0
- 0.03 - -0.01
- 0.1 - -0.03
- 0.3 - -0.1
- 2.5 - -0.3

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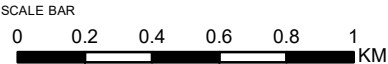


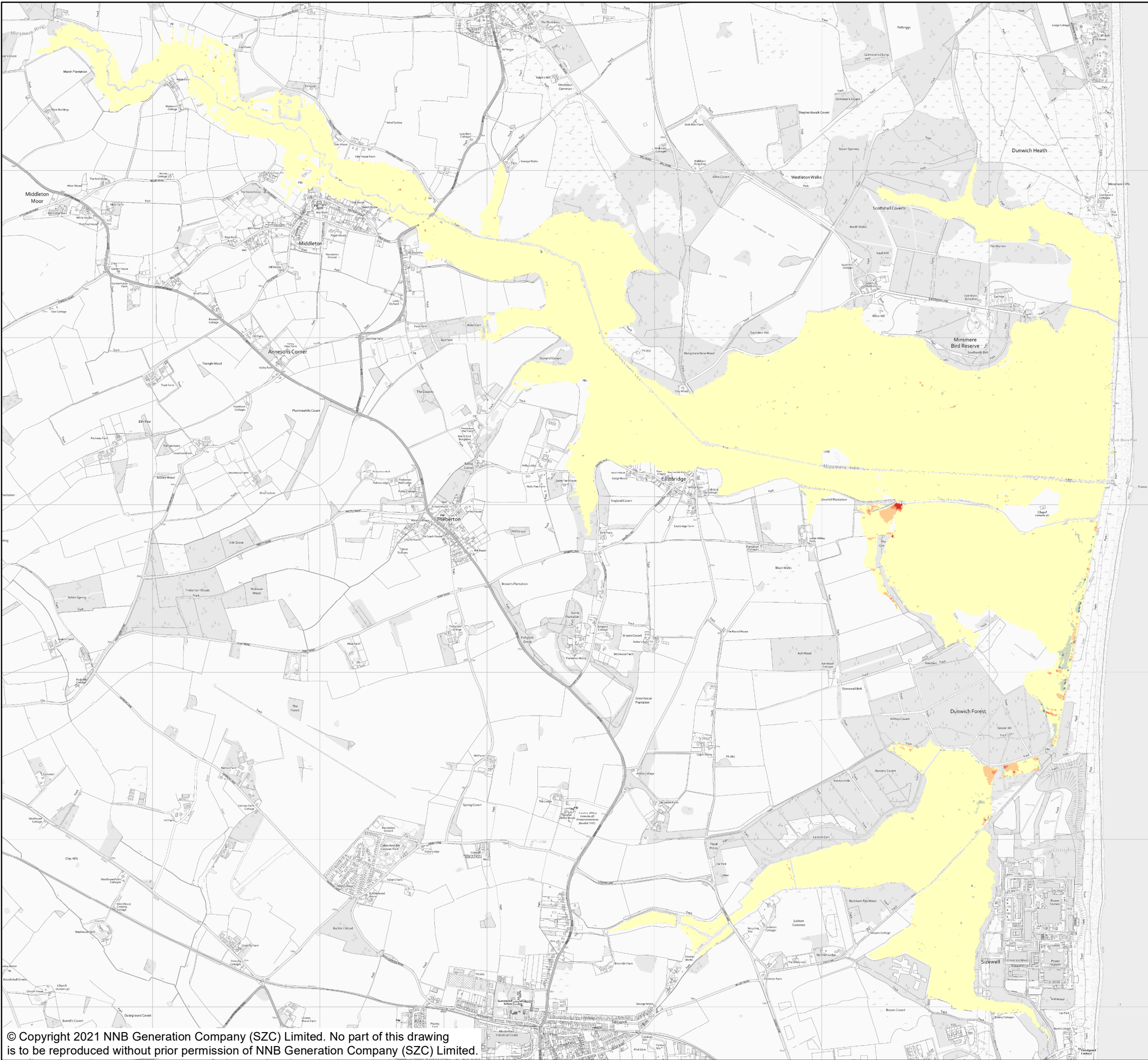
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD DEPTH
1 IN 1000-YEAR +80%CC

DRAWING NO:
FIGURE B.12

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)

- 0.15 - 2
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 2.5 - -0.15

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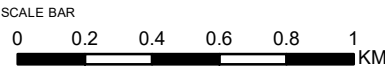


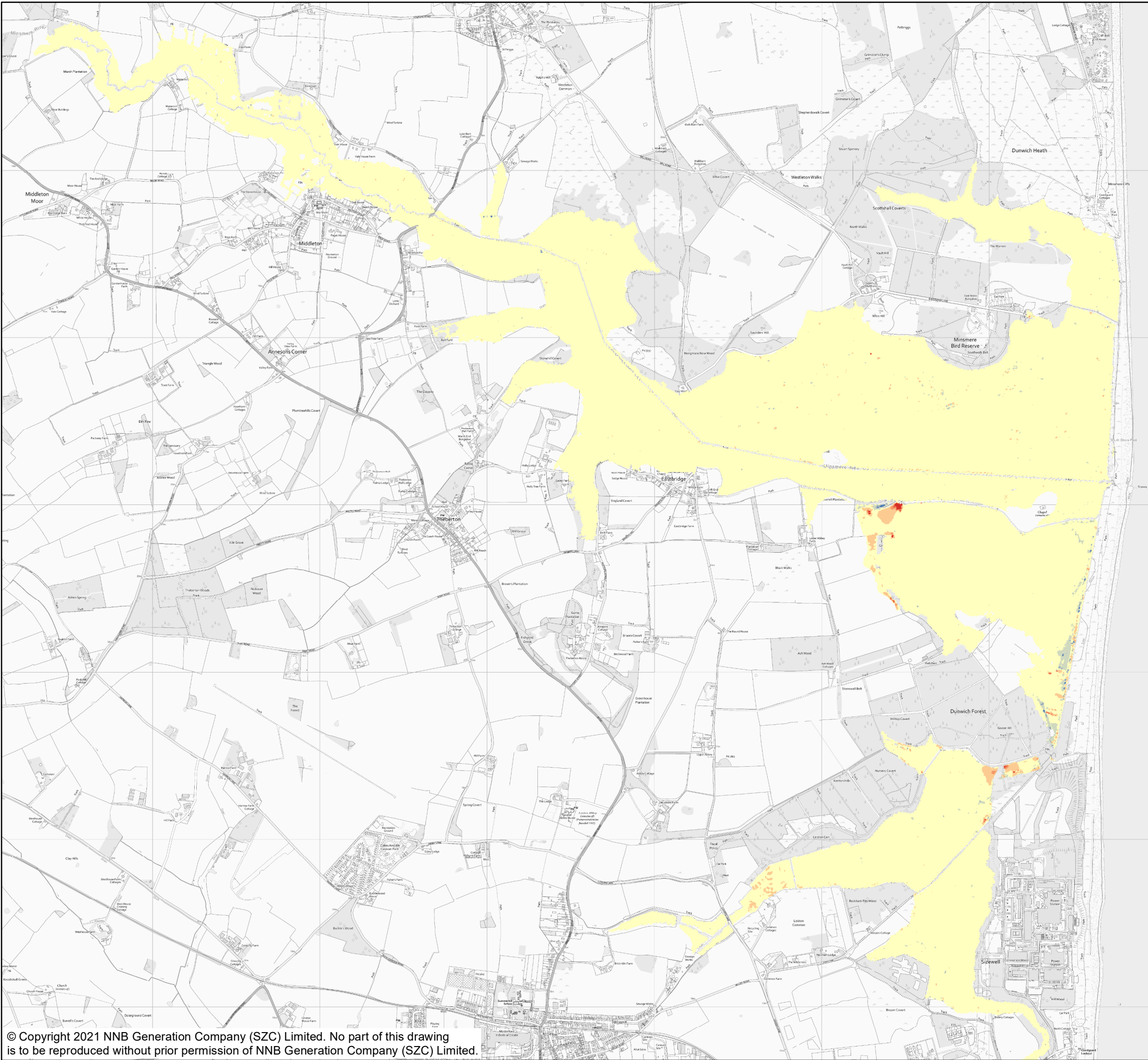
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FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 5-YEAR +35%CC

DRAWING NO:
FIGURE B.13

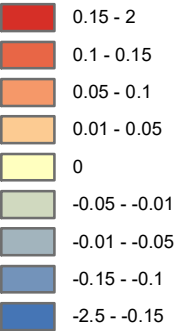
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NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)



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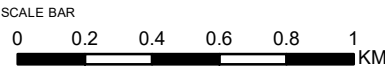


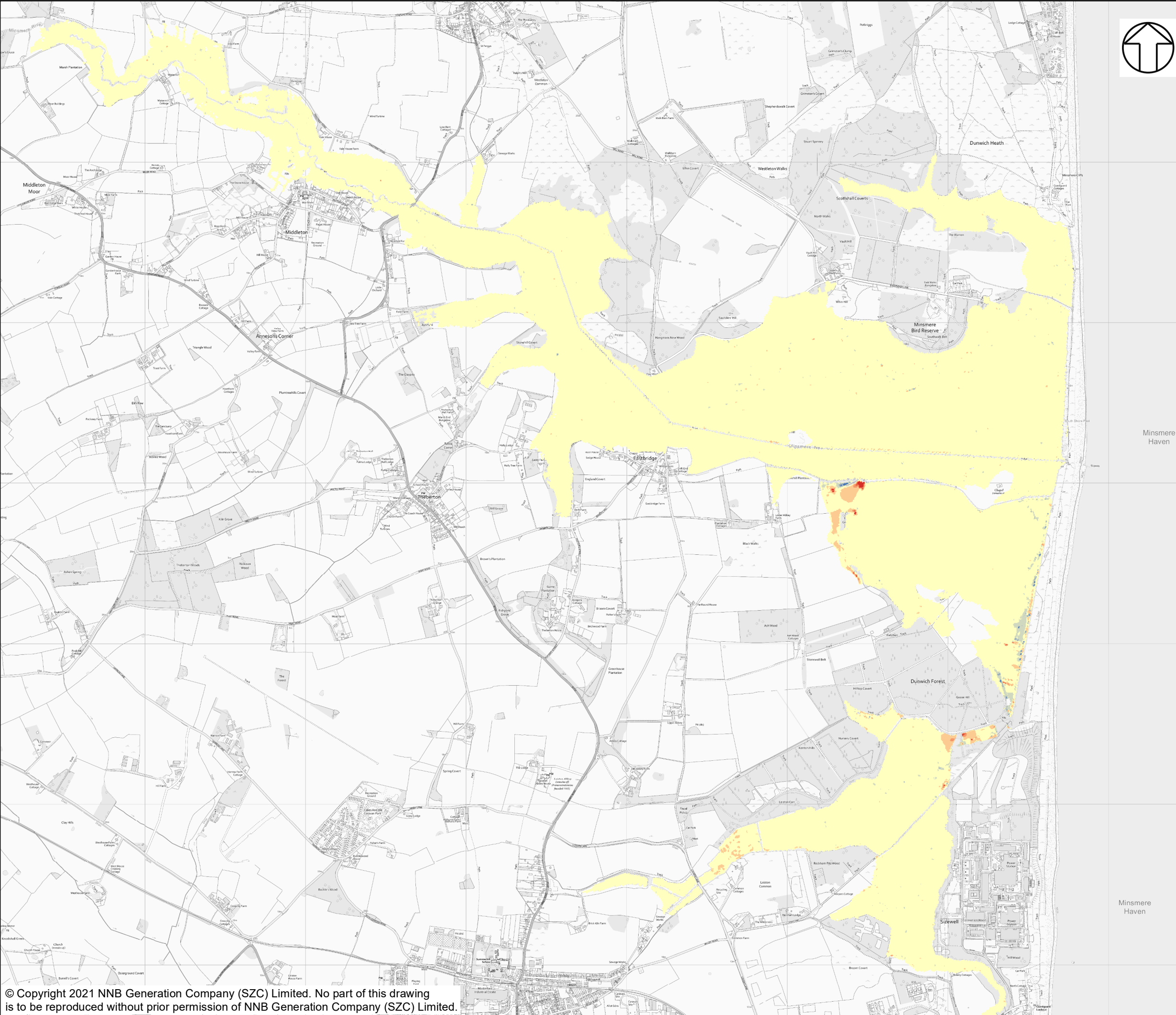
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 5-YEAR +65%CC

DRAWING NO:
FIGURE B.14

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:22,500 @A3 **REVISION:** 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)

- 0.15 - 2
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 2.5 - -0.15

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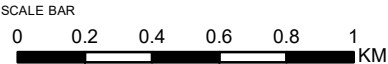


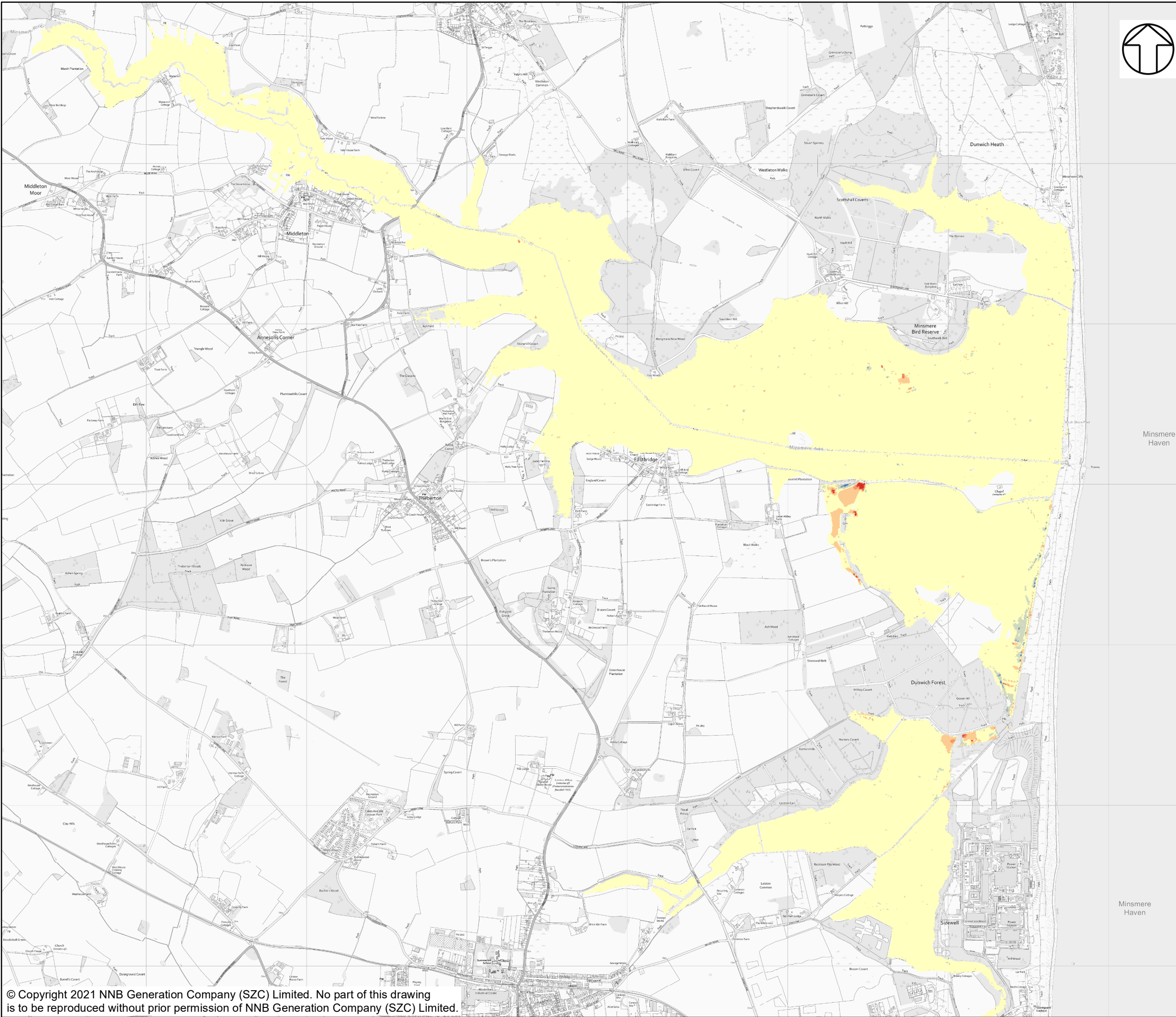
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 5-YEAR +80%CC

DRAWING NO:
FIGURE B.15

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)

- 0.15 - 2
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 2.5 - -0.15

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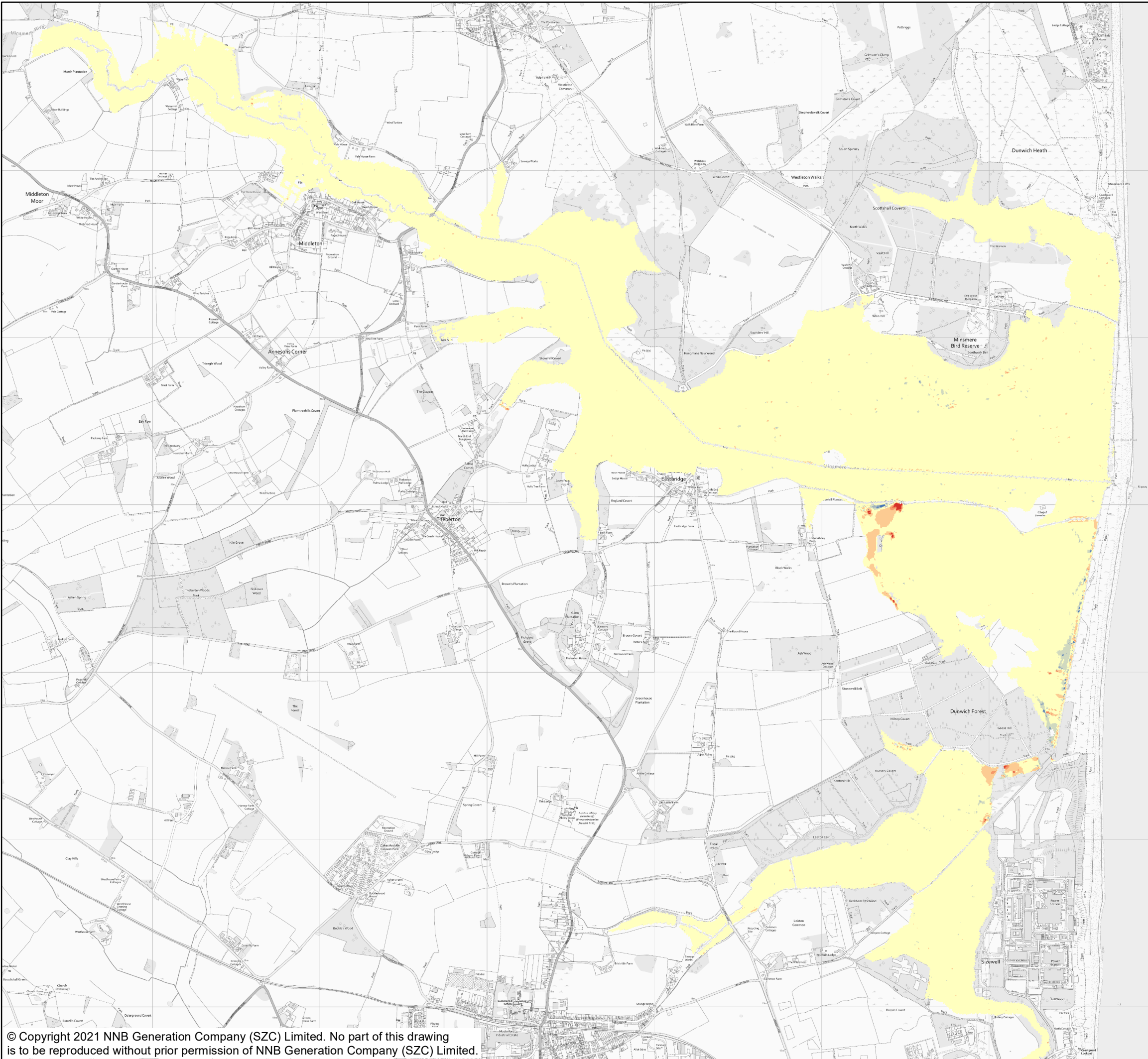
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FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 20-YEAR +35%CC

DRAWING NO:
FIGURE B.16

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 KM



NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)

- 0.15 - 2
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 2.5 - -0.15

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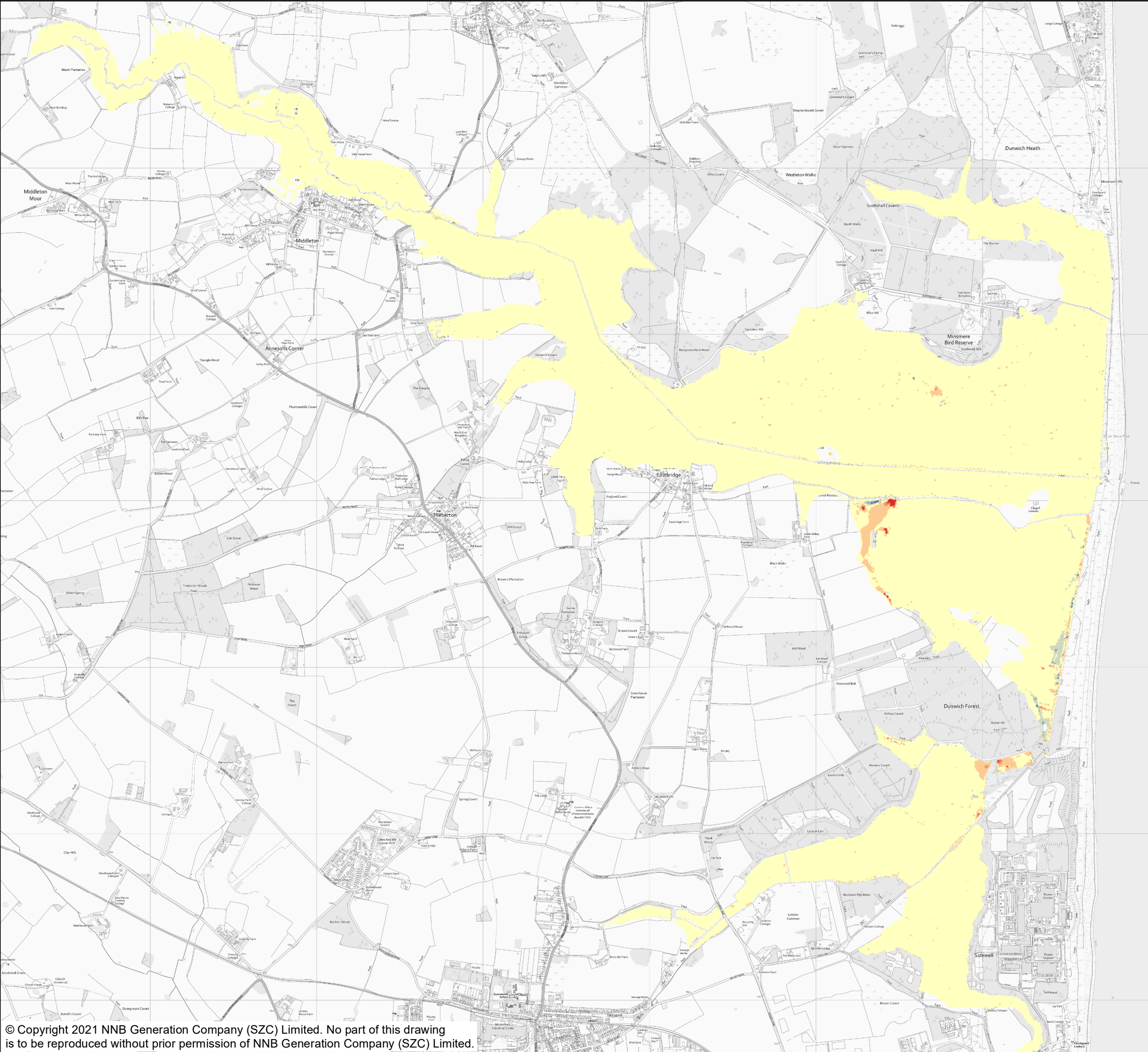
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FLUVIAL MODELLING RESULTS

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1 IN 20-YEAR +65%CC

DRAWING NO:
FIGURE B.17

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 KM



NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)

- 0.15 - 2
- 0.1 - 0.15
- 0.05 - 0.1
- 0.01 - 0.05
- 0
- 0.05 - -0.01
- 0.01 - -0.05
- 0.15 - -0.1
- 2.5 - -0.15

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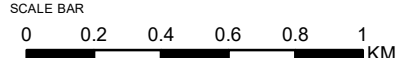


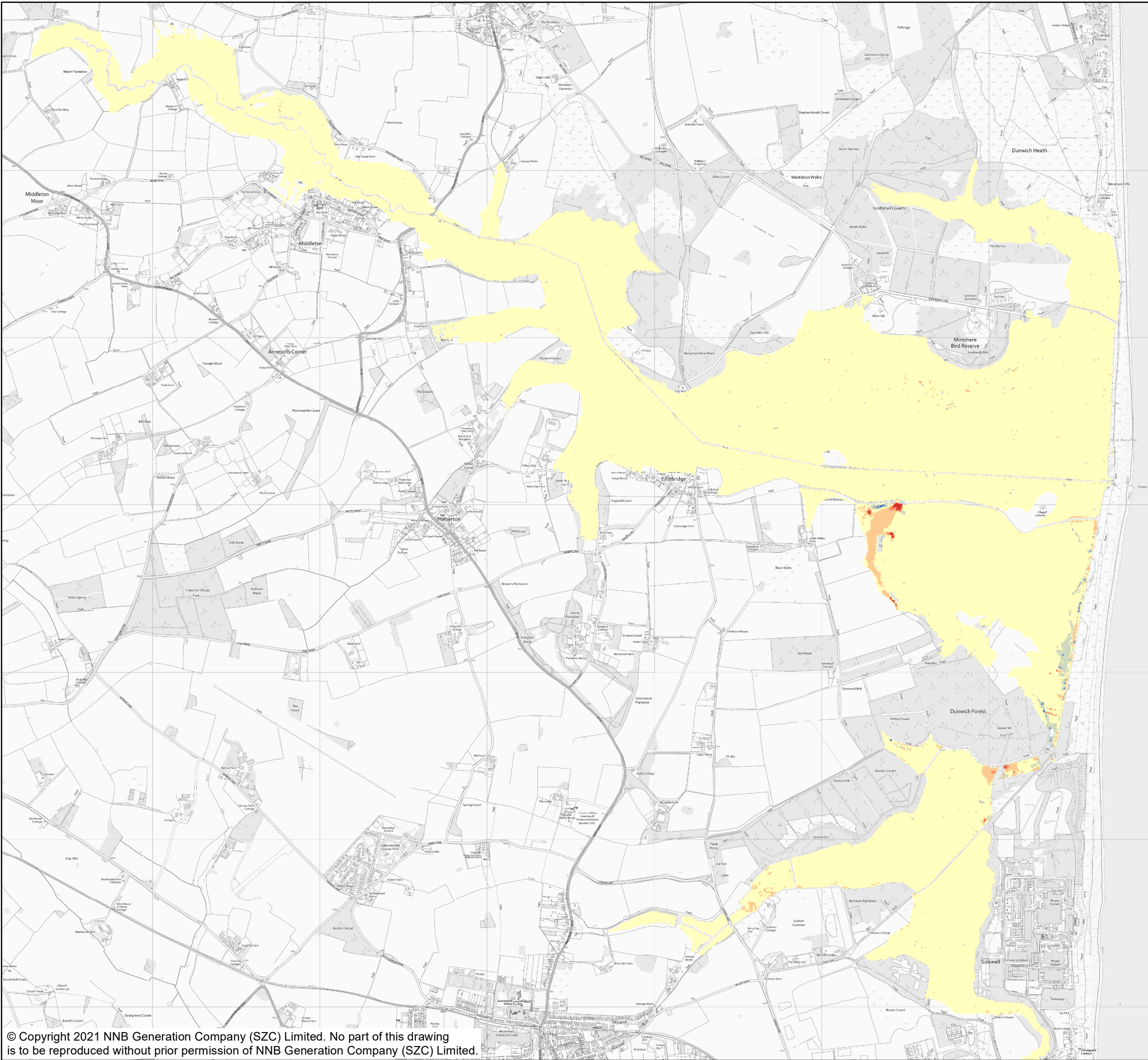
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SIZEWELL C
FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 20-YEAR +80%CC

DRAWING NO:
FIGURE B.18

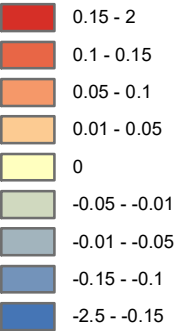
DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)



NOT PROTECTIVELY MARKED

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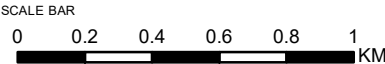


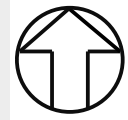
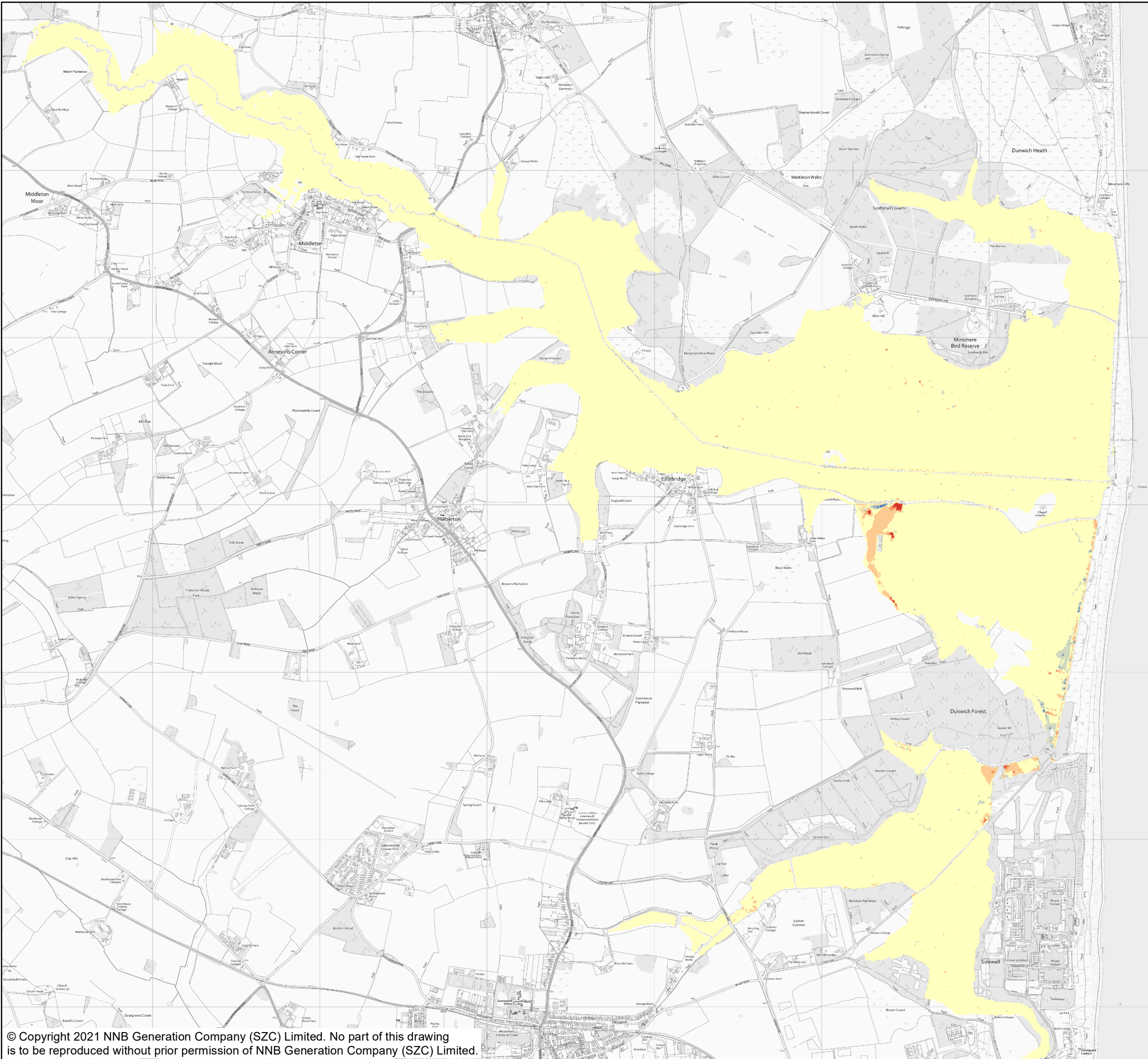
DOCUMENT:
SIZEWELL C
FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 100-YEAR +35%CC

DRAWING NO:
FIGURE B.19

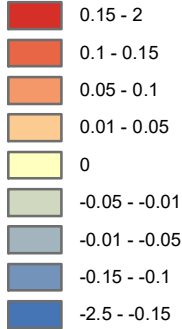
DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)



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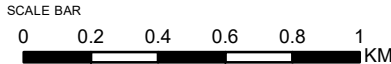


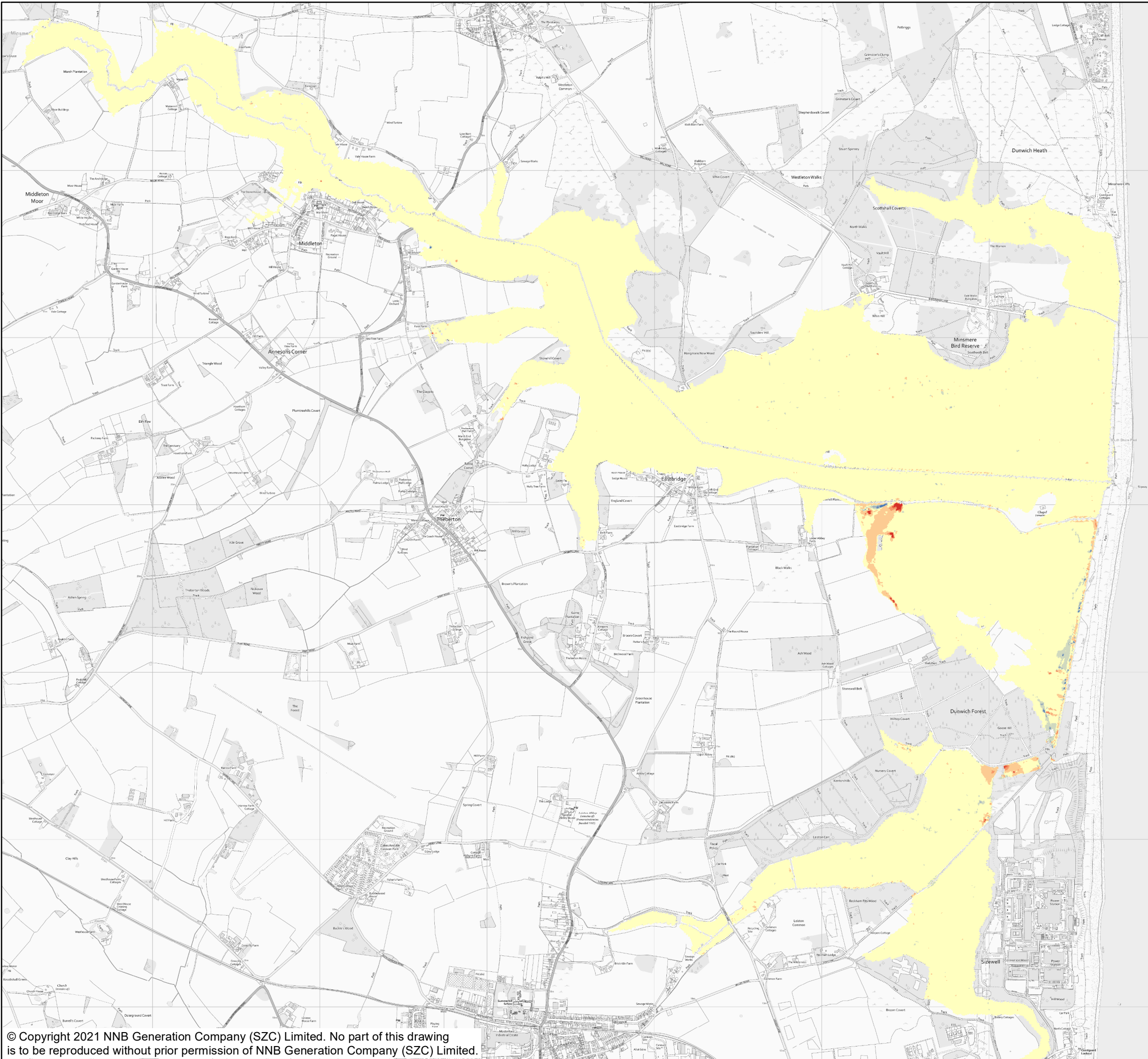
DOCUMENT:
SIZEWELL C
FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 100-YEAR +65%CC

DRAWING NO:
FIGURE B.20

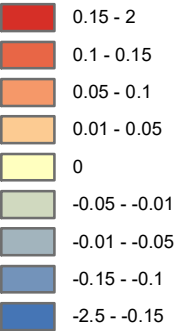
DATE: JAN 2021 DRAWN: J.T. SCALE: 1:22,500 @A3 REVISION: 2.0





NOTES

KEY
FLOOD VELOCITY DIFFERENCE (M/S)



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DOCUMENT:
SIZEWELL C
FLOOD RISK ASSESSMENT ADDENDUM
FLUVIAL MODELLING RESULTS

DRAWING TITLE:
DIFFERENCE IN FLOOD VELOCITY
1 IN 100-YEAR +80%CC

DRAWING NO:
FIGURE B.21

DATE: JAN 2021	DRAWN: J.T.	SCALE: 1:22,500 @A3	REVISION: 2.0
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