



The Sizewell C Project

5.5 Two Village Bypass Flood Risk Assessment Appendix A Two Village Bypass Modelling Report - Appendix A Part 1 of 2

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

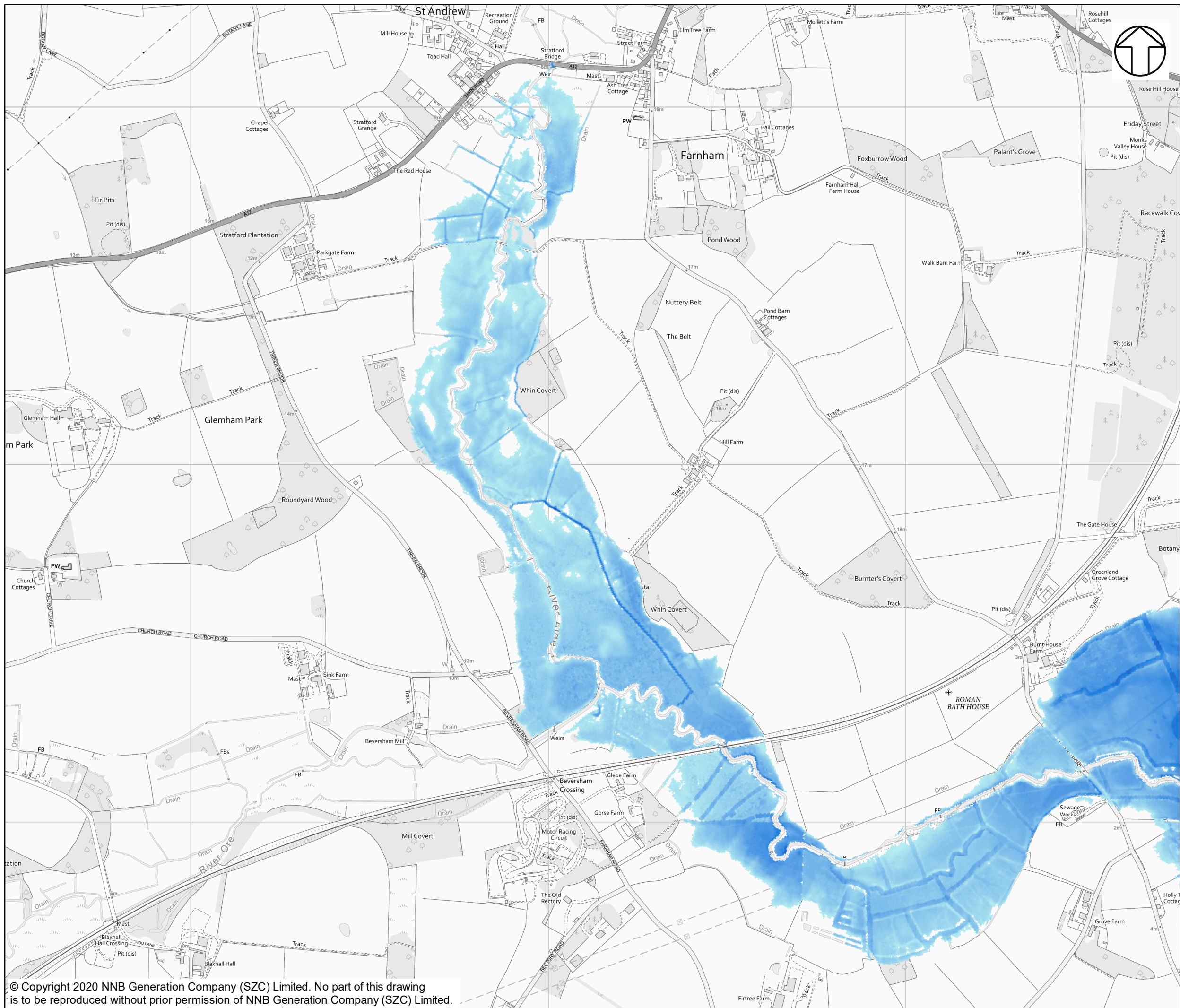
May 2020

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



Appendix A: 2VB Fluvial model results – Baseline flood depth, hazard and velocity

RHDHV, November 2019

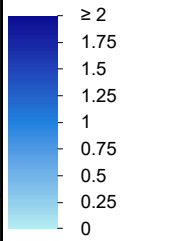


NOTES

KEY

BASELINE 20 YEAR PRESENT DAY

FLOOD DEPTH (M)



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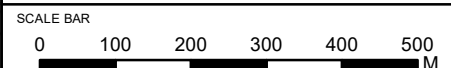


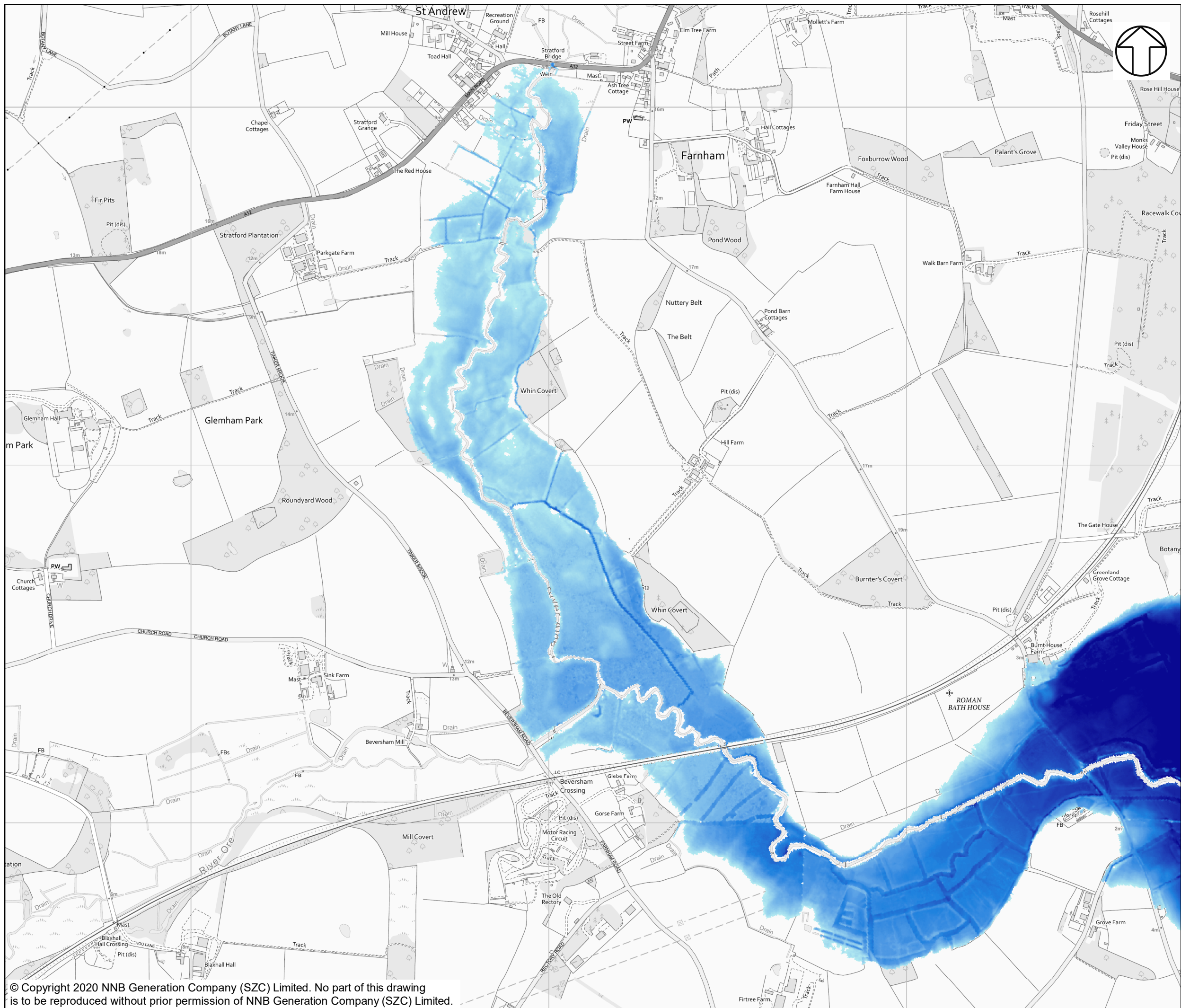
DOCUMENT:
 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

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 BASELINE FLOOD DEPTH
 20 YEAR PRESENT DAY

DRAWING NO:
 FIGURE A.1

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



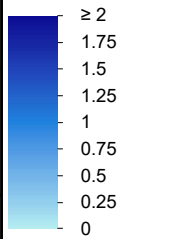


NOTES

KEY

BASELINE 20 YEAR +35%CC

FLOOD DEPTH (M)



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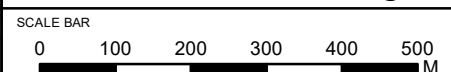


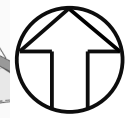
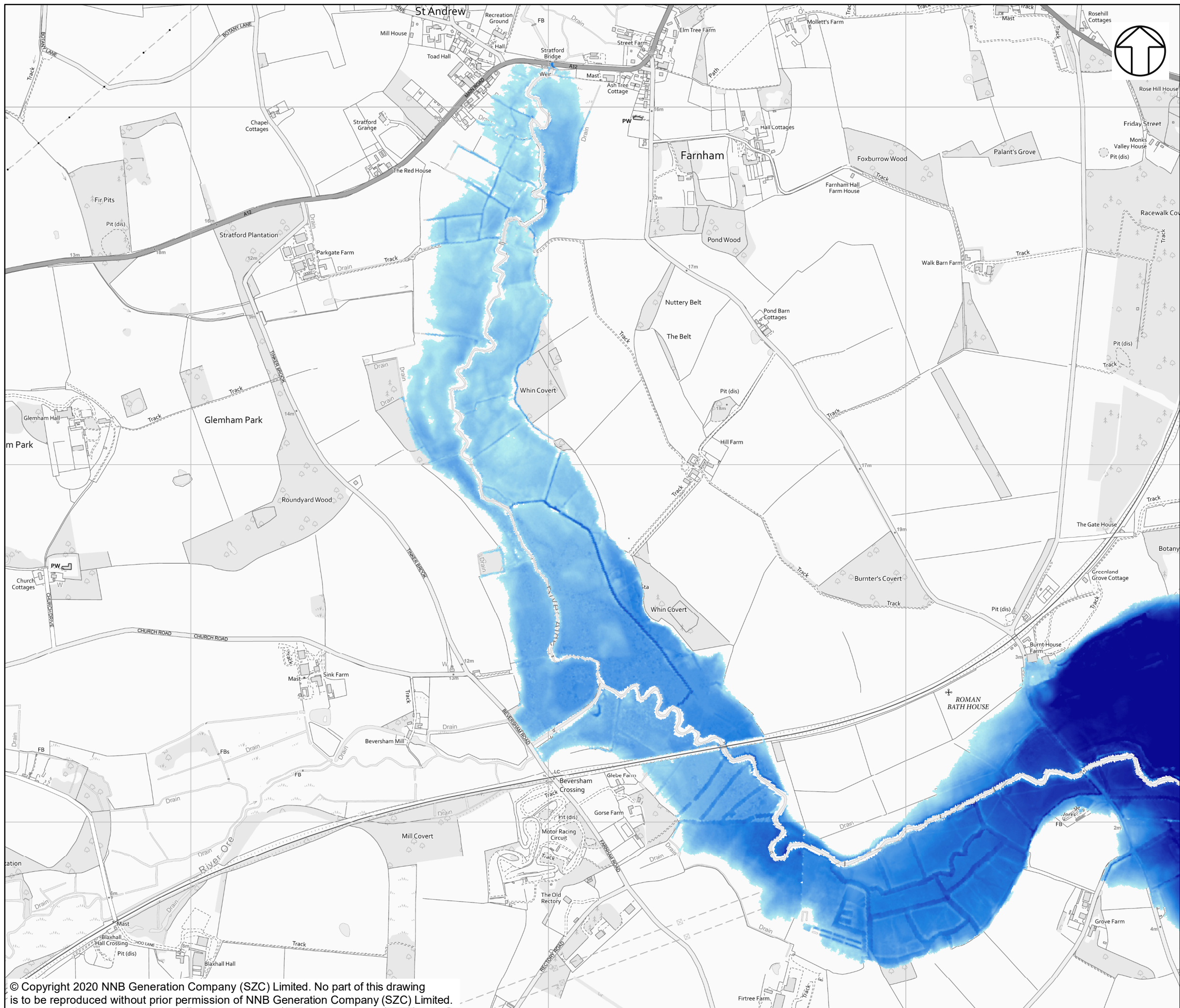
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 FLUVIAL MODEL RESULTS

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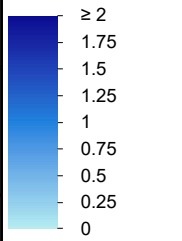


NOTES

KEY

BASELINE 20 YEAR +65%CC

FLOOD DEPTH (M)



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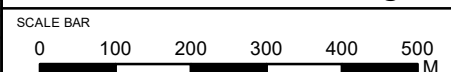


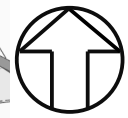
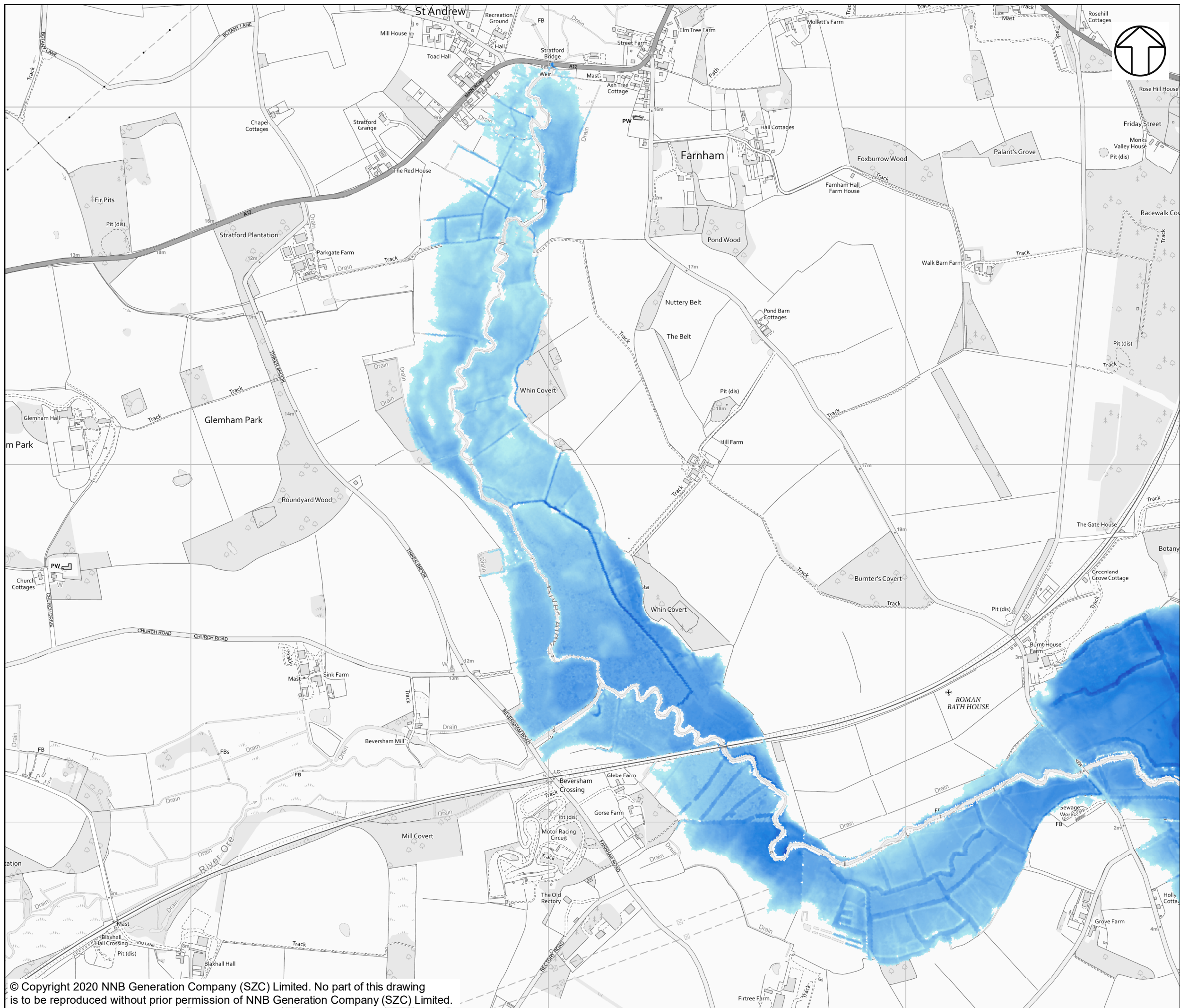
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

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 20 YEAR +65%CC

DRAWING NO:
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



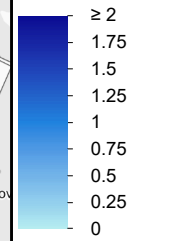


NOTES

KEY

BASELINE 100 YEAR PRESENT DAY

FLOOD DEPTH (M)



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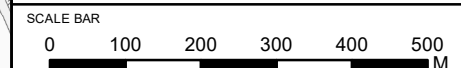


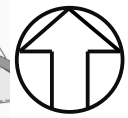
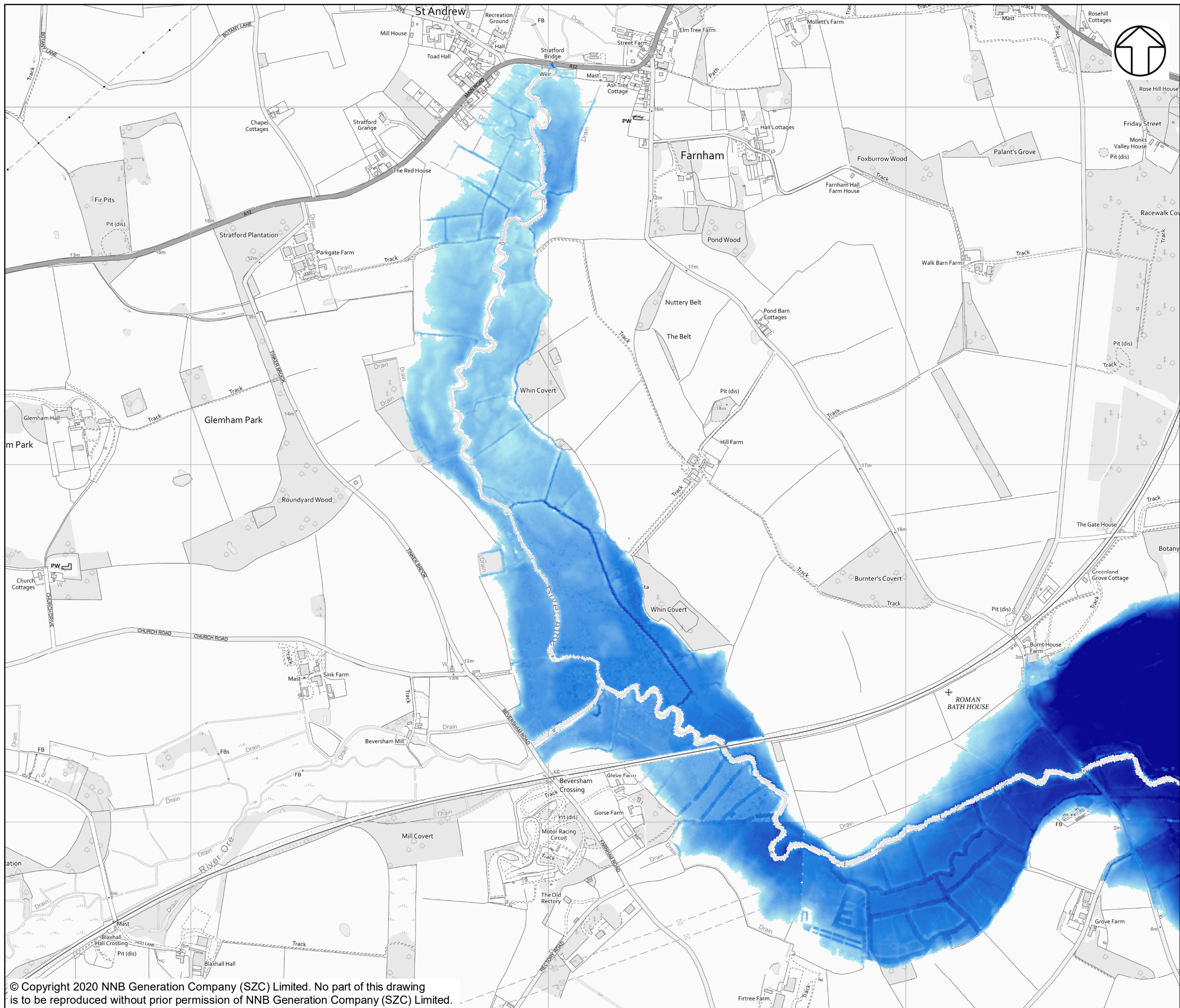
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

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 100 YEAR PRESENT DAY

DRAWING NO:
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



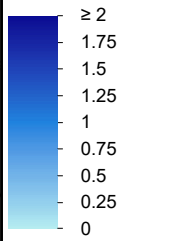


NOTES

KEY

BASELINE 100 YEAR +35CC

FLOOD DEPTH (M)



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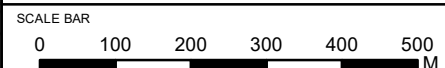


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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

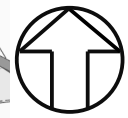
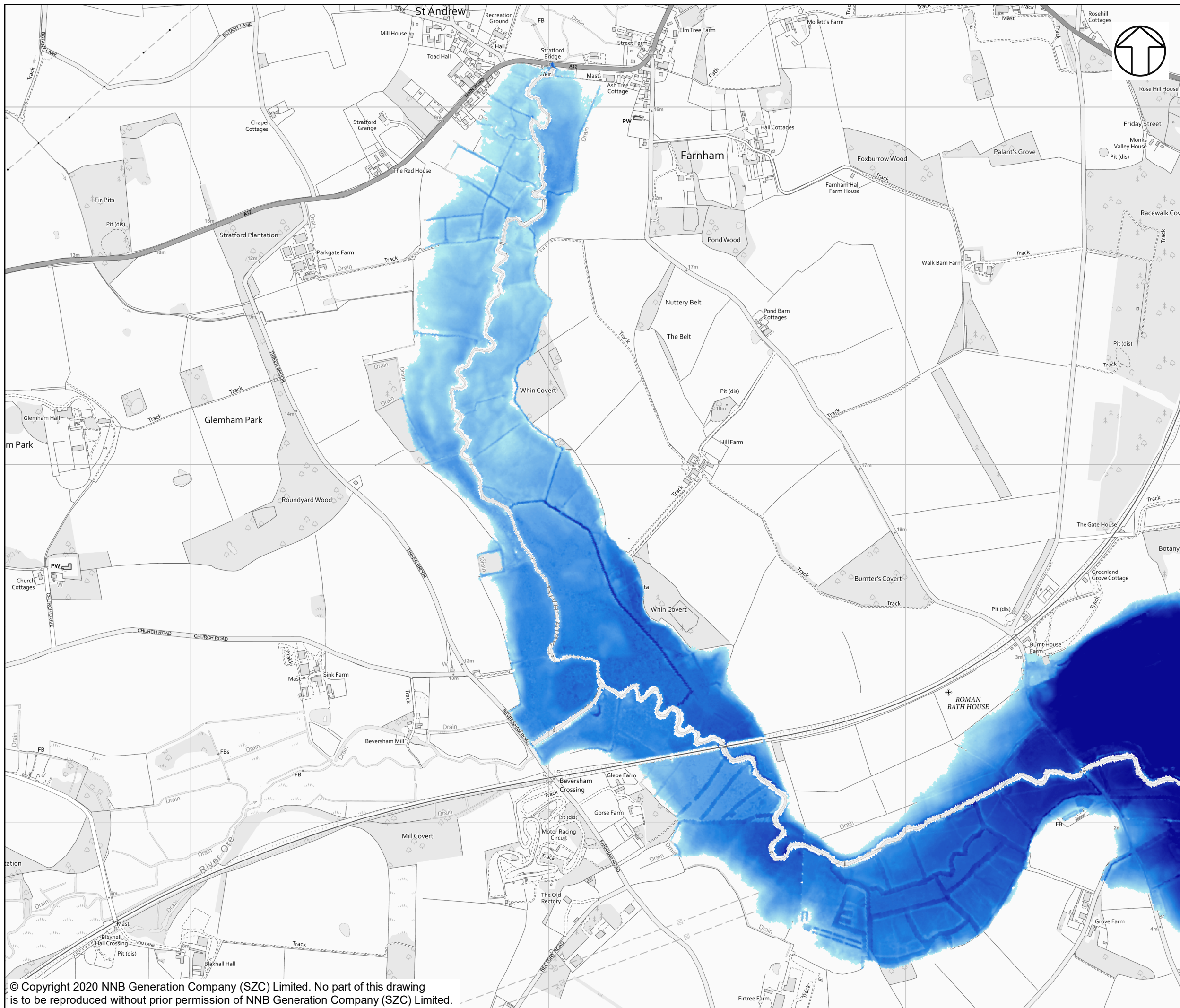
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



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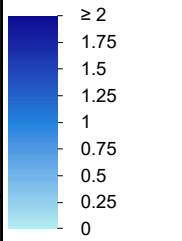


NOTES

KEY

BASELINE 100 YEAR +65CC

FLOOD DEPTH (M)



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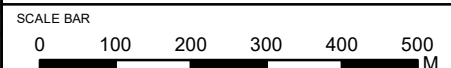


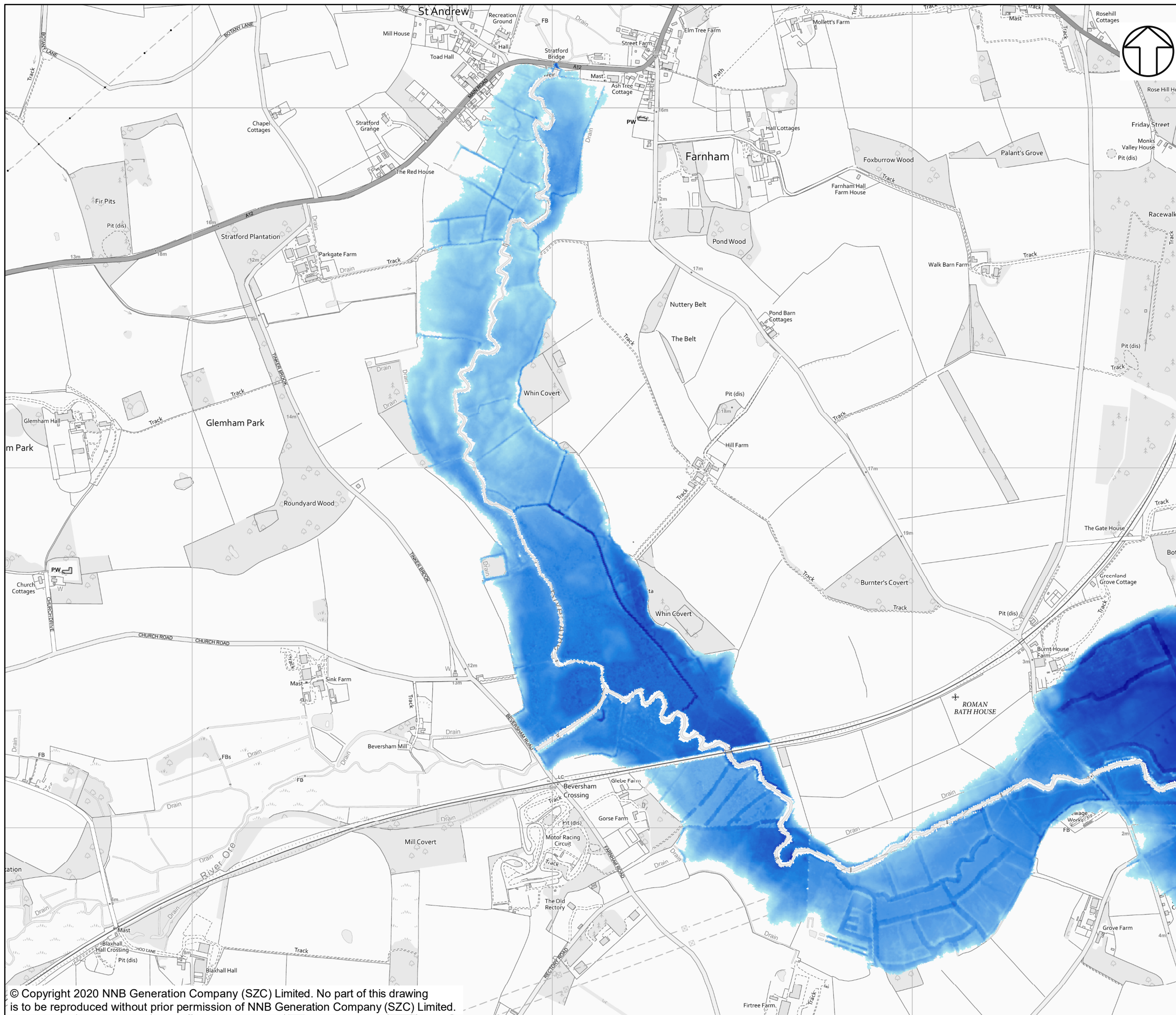
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 SIZEWELL C
 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 BASELINE FLOOD DEPTH
 100 YEAR +65CC

DRAWING NO:
 FIGURE A.6

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



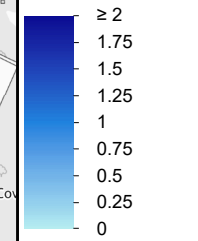


NOTES

KEY

BASELINE 1000 YEAR PRESENT DAY

FLOOD DEPTH (M)



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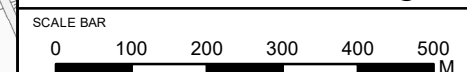


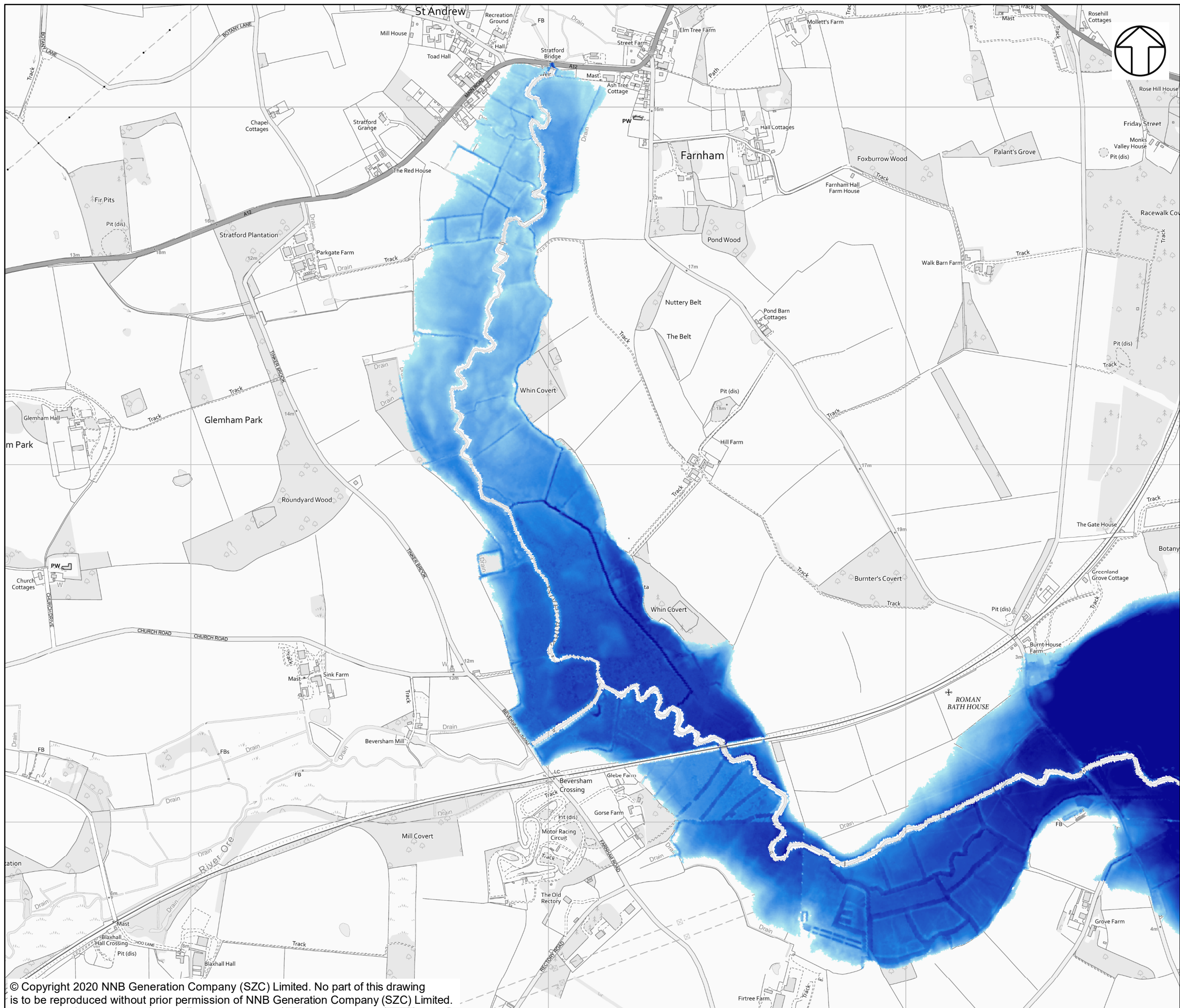
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 BASELINE FLOOD DEPTH
 1000 YEAR PRESENT DAY

DRAWING NO:
 FIGURE A.7

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



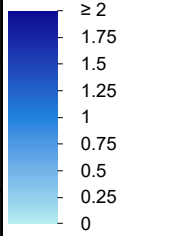


NOTES

KEY

BASELINE 1000 YEAR +35CC

FLOOD DEPTH (M)



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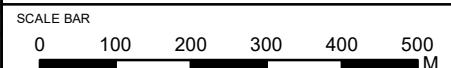


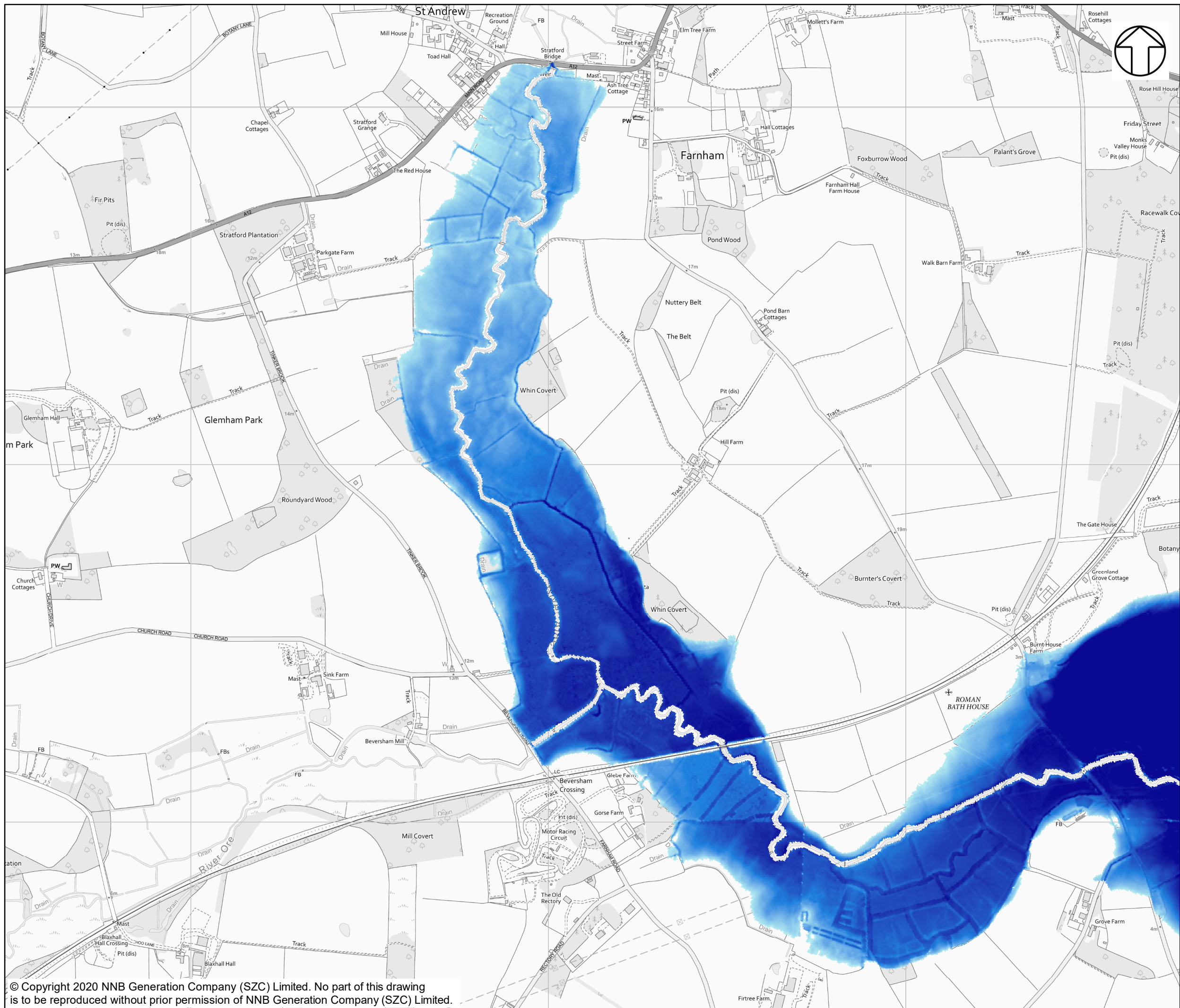
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 BASELINE FLOOD DEPTH
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DRAWING NO:
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



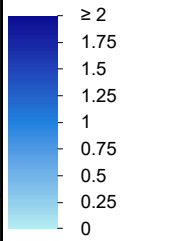


NOTES

KEY

BASELINE 1000 YEAR +65CC

FLOOD DEPTH (M)



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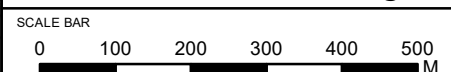


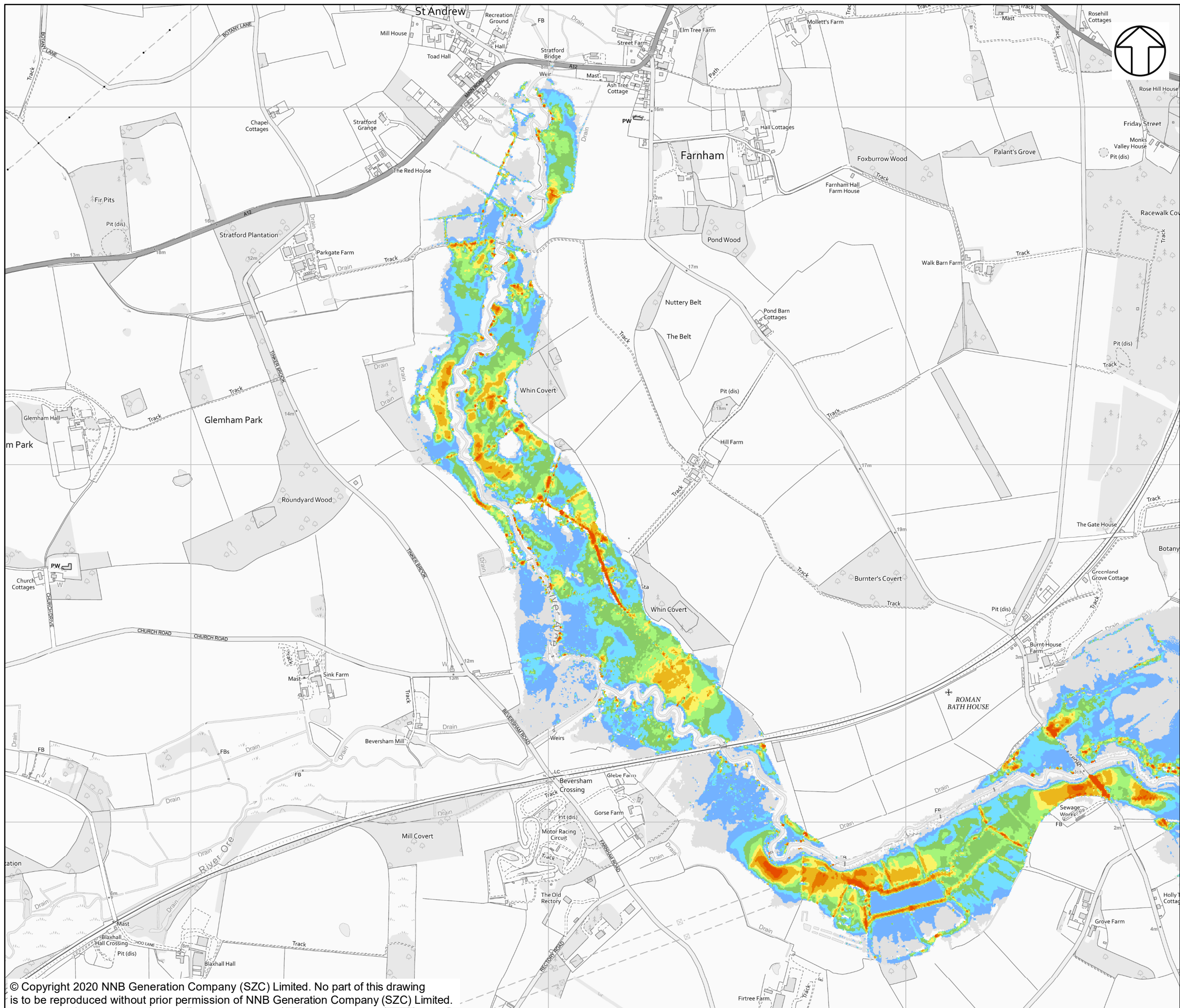
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 BASELINE FLOOD DEPTH
 1000 YEAR +65CC

DRAWING NO:
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



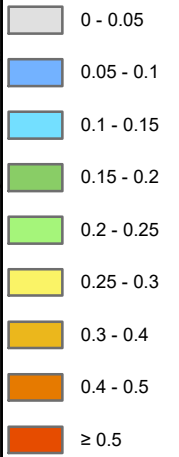


NOTES

KEY

BASELINE 20YR PRESENT DAY

FLOOD VELOCITY (M/S)



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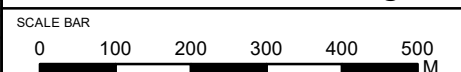


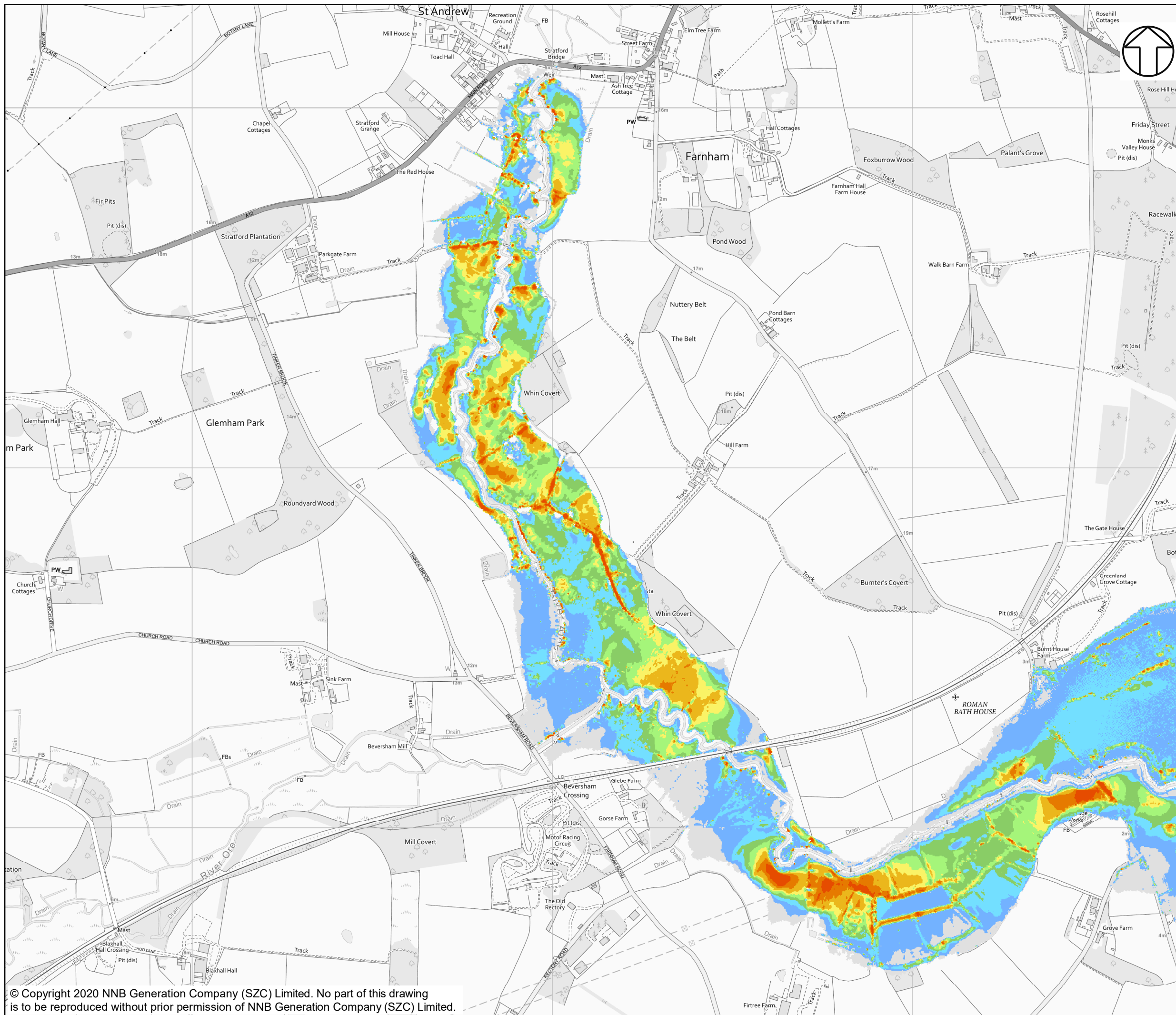
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
BASELINE FLOOD VELOCITY
20 YEAR PRESENT DAY

DRAWING NO:
FIGURE A.10

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



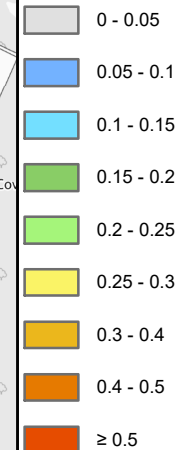


NOTES

KEY

BASELINE 20YR +35CC

FLOOD VELOCITY (M/S)



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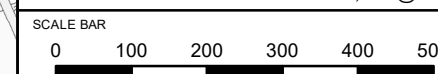


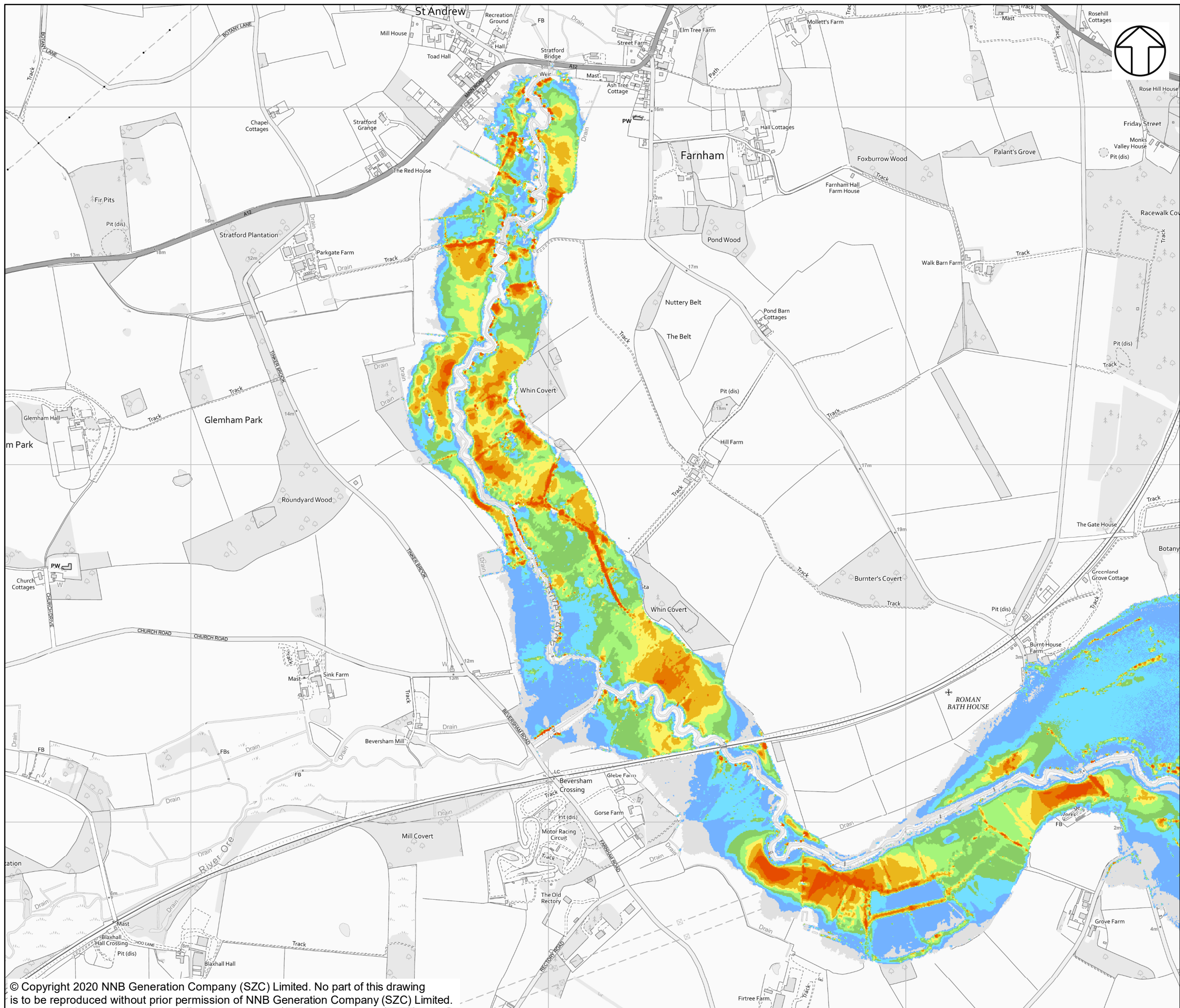
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS**

DRAWING TITLE:
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 20 YEAR +35CC**

DRAWING NO:
FIGURE A.11

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



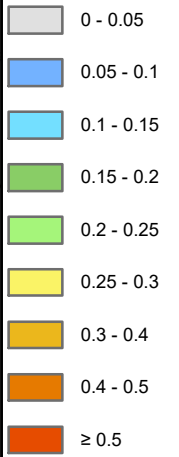


NOTES

KEY

BASELINE 20YR +65CC

FLOOD VELOCITY (M/S)



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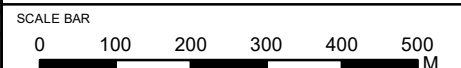


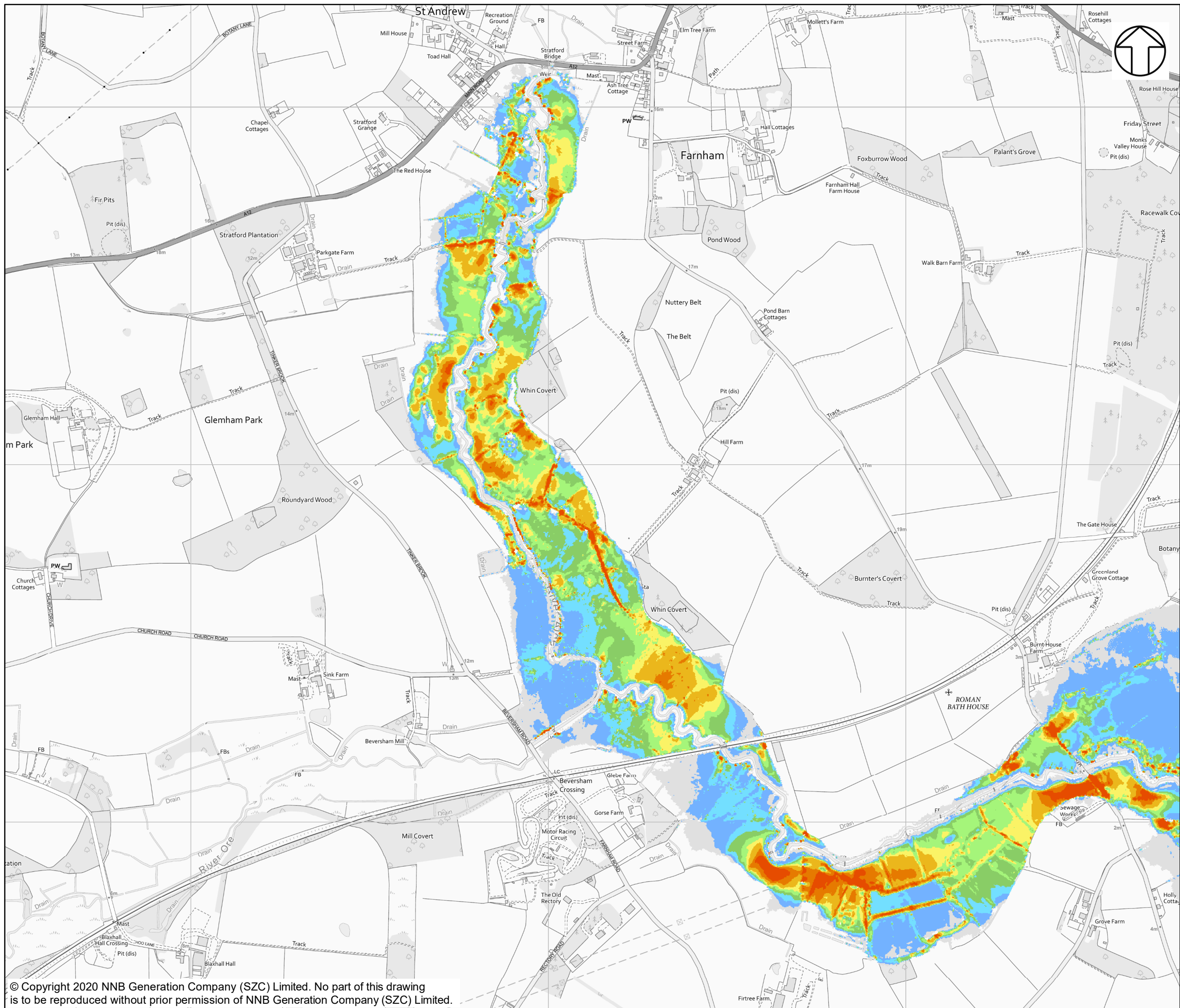
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TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
BASELINE FLOOD VELOCITY
20 YEAR +65CC

DRAWING NO:
FIGURE A.12

DATE: **JAN 2020** DRAWN: **P.S.** SCALE: **1:10,000 @A3**



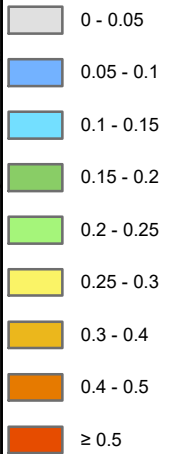


NOTES

KEY

BASELINE 100YR PRESENT DAY

FLOOD VELOCITY (M/S)



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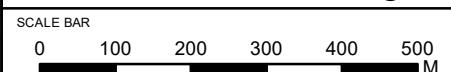


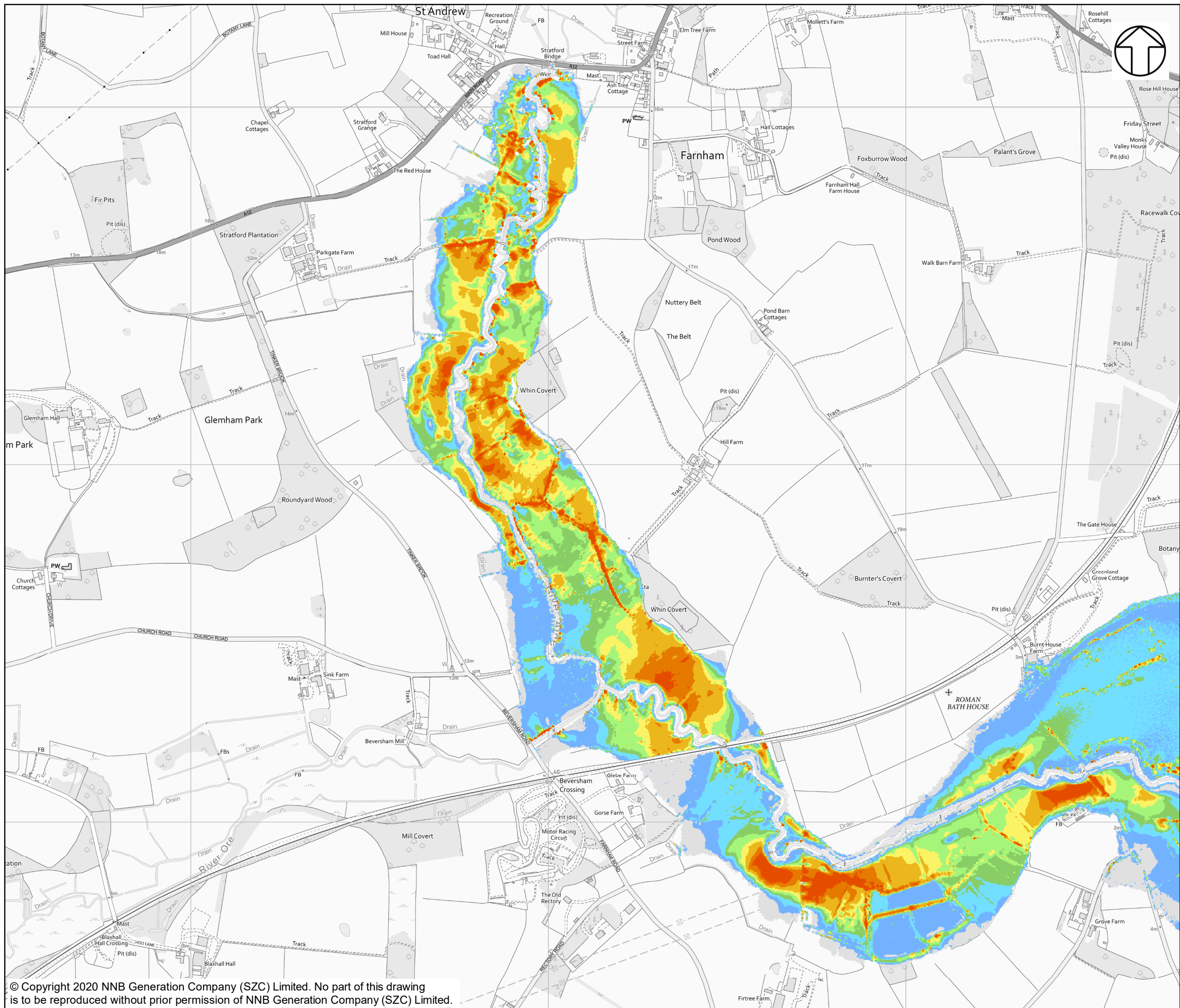
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 TWO VILLAGE BYPASS
 FLUVIAL MODEL RESULTS

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 BASELINE FLOOD VELOCITY
 100 YEAR PRESENT DAY

DRAWING NO:
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DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3



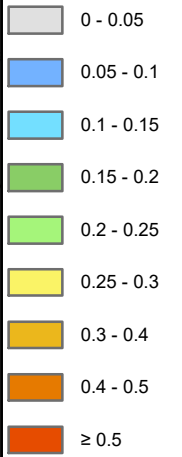


NOTES

KEY

BASELINE 100YR +35CC

FLOOD VELOCITY (M/S)



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 BASELINE FLOOD VELOCITY
 100 YEAR +35CC

DRAWING NO:
 FIGURE A.14

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:10,000 @A3

