



The Sizewell C Project

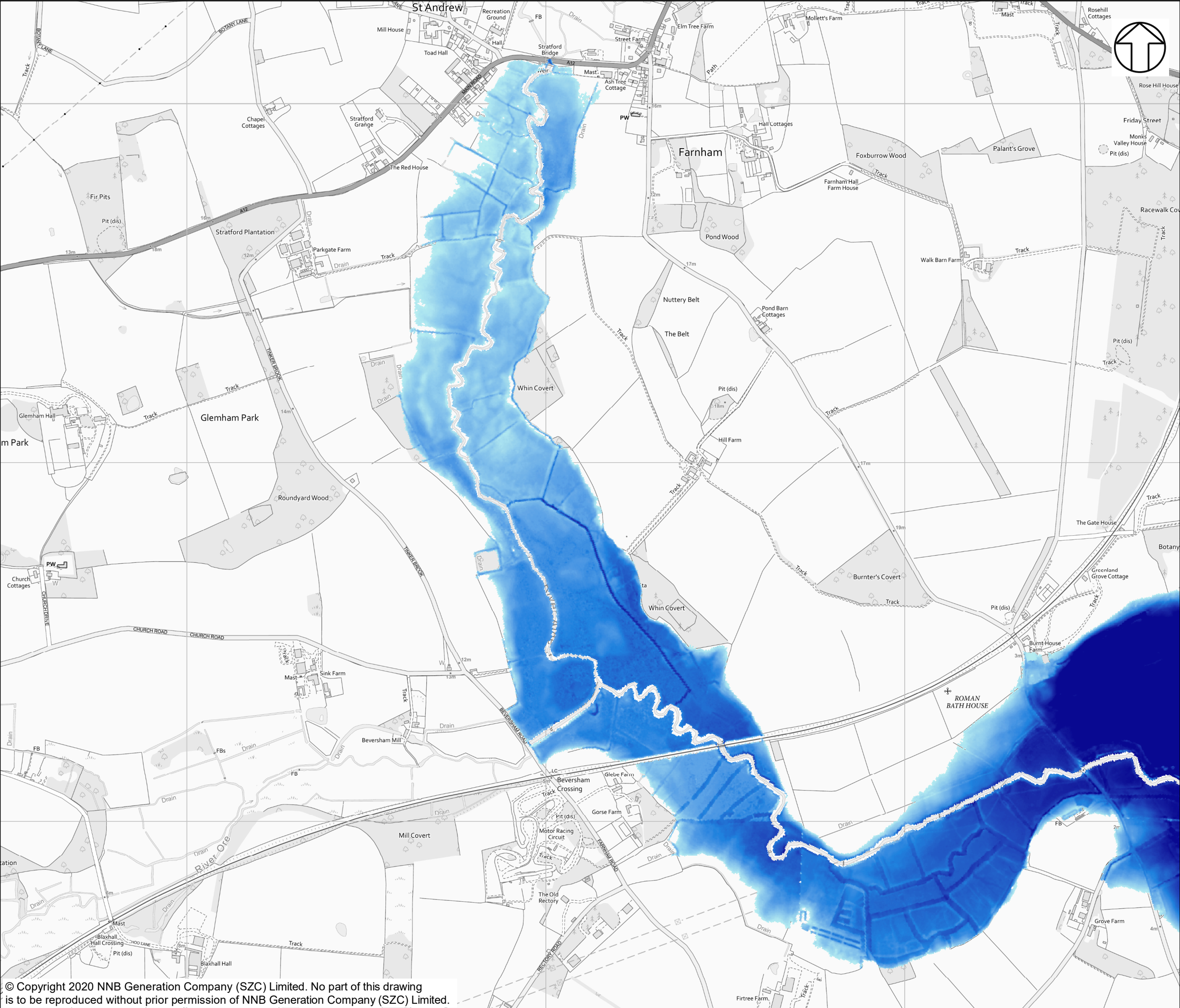
5.5 Two Village Bypass Flood Risk Assessment Figures 10 - 20

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



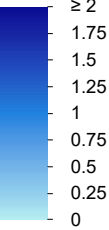


NOTES

KEY

BASELINE 100 YEAR +65CC

FLOOD DEPTH (M)



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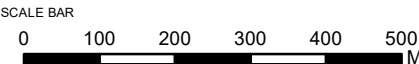


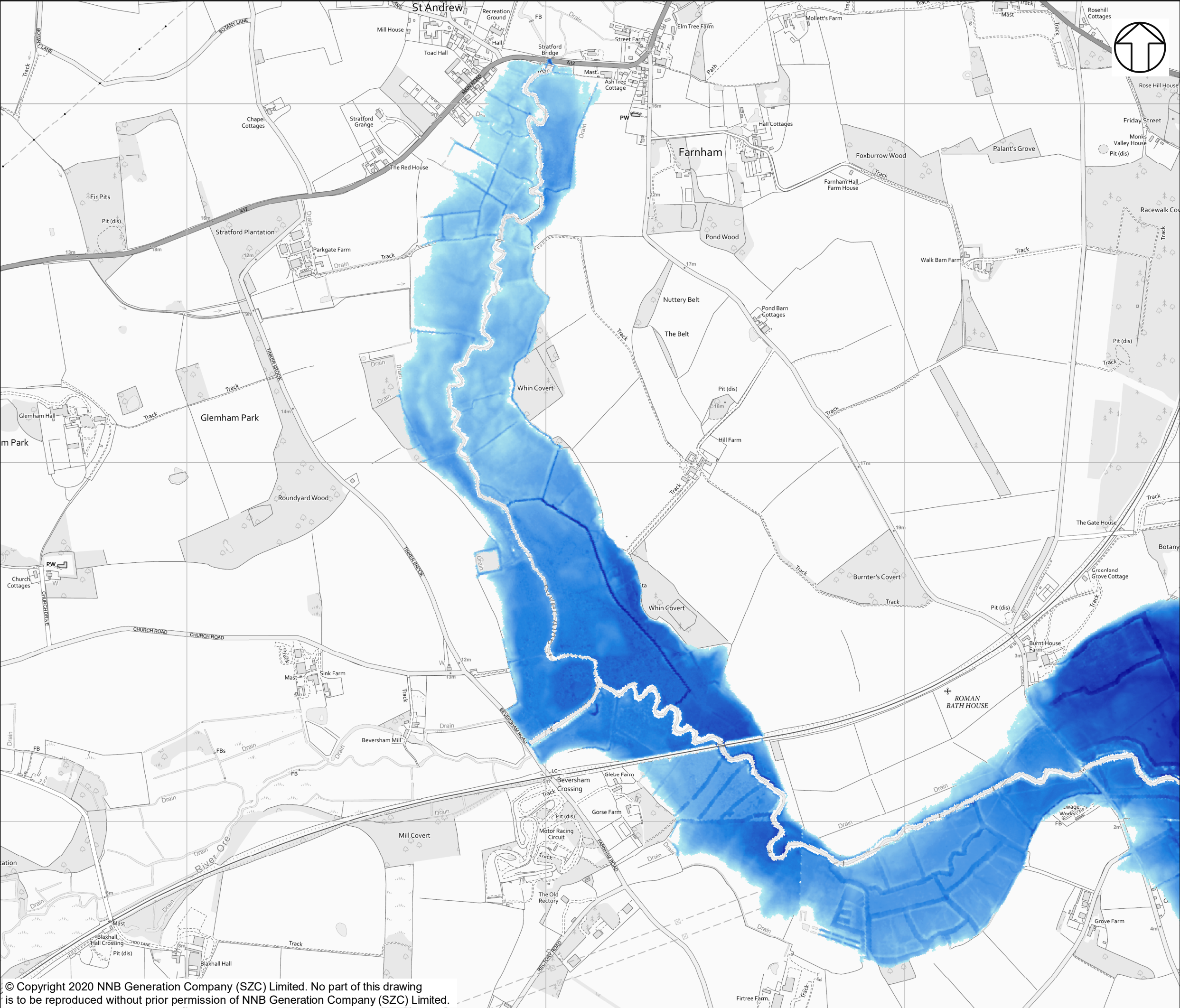
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 100-YEAR EVENT WITH 65% FOR
CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 1 0

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



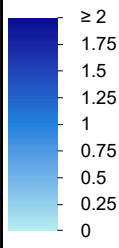


NOTES

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BASELINE 1000 YEAR PRESENT DAY

FLOOD DEPTH (M)



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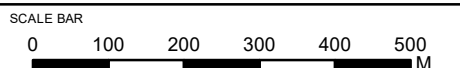


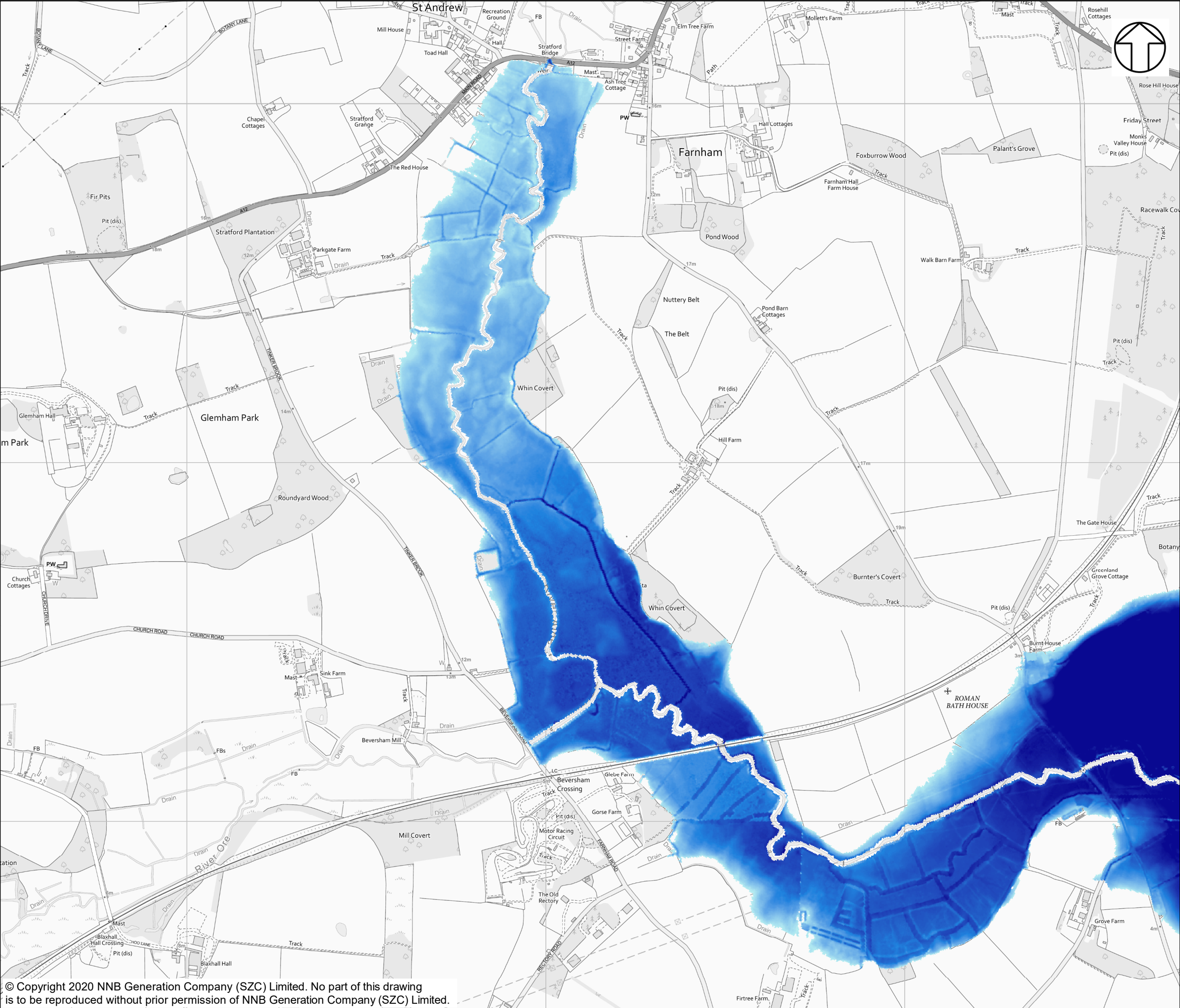
DOCUMENT:
SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 1,000-YEAR EVENT

DRAWING NO:
FIGURE 11

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



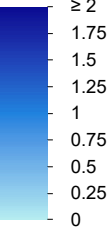


NOTES

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BASELINE 1000 YEAR +35CC

FLOOD DEPTH (M)



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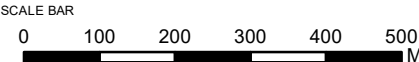


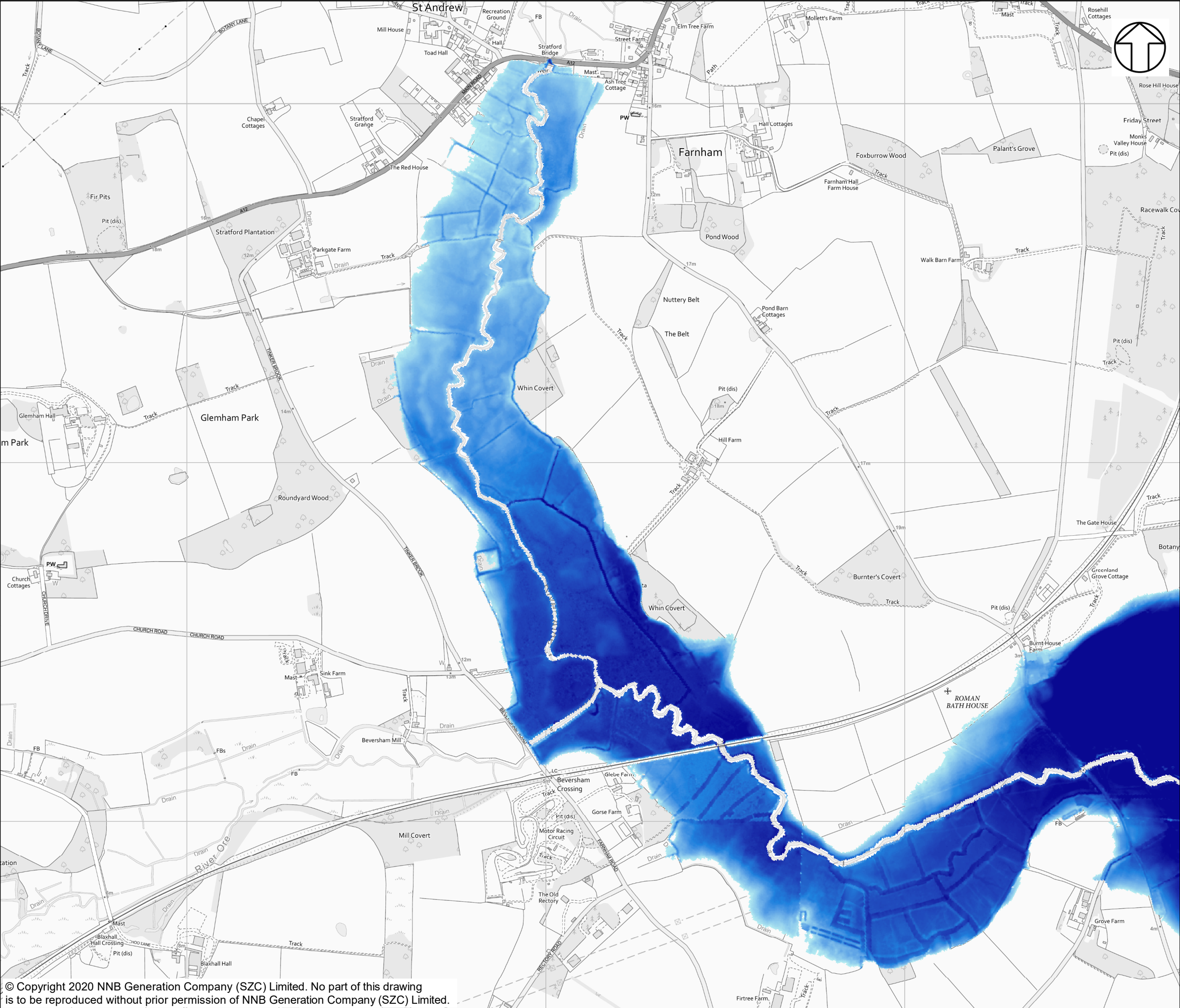
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 1,000-YEAR EVENT WITH 35% FOR
CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 12

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



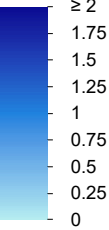


NOTES

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BASELINE 1000 YEAR +65CC

FLOOD DEPTH (M)



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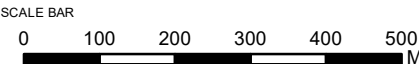


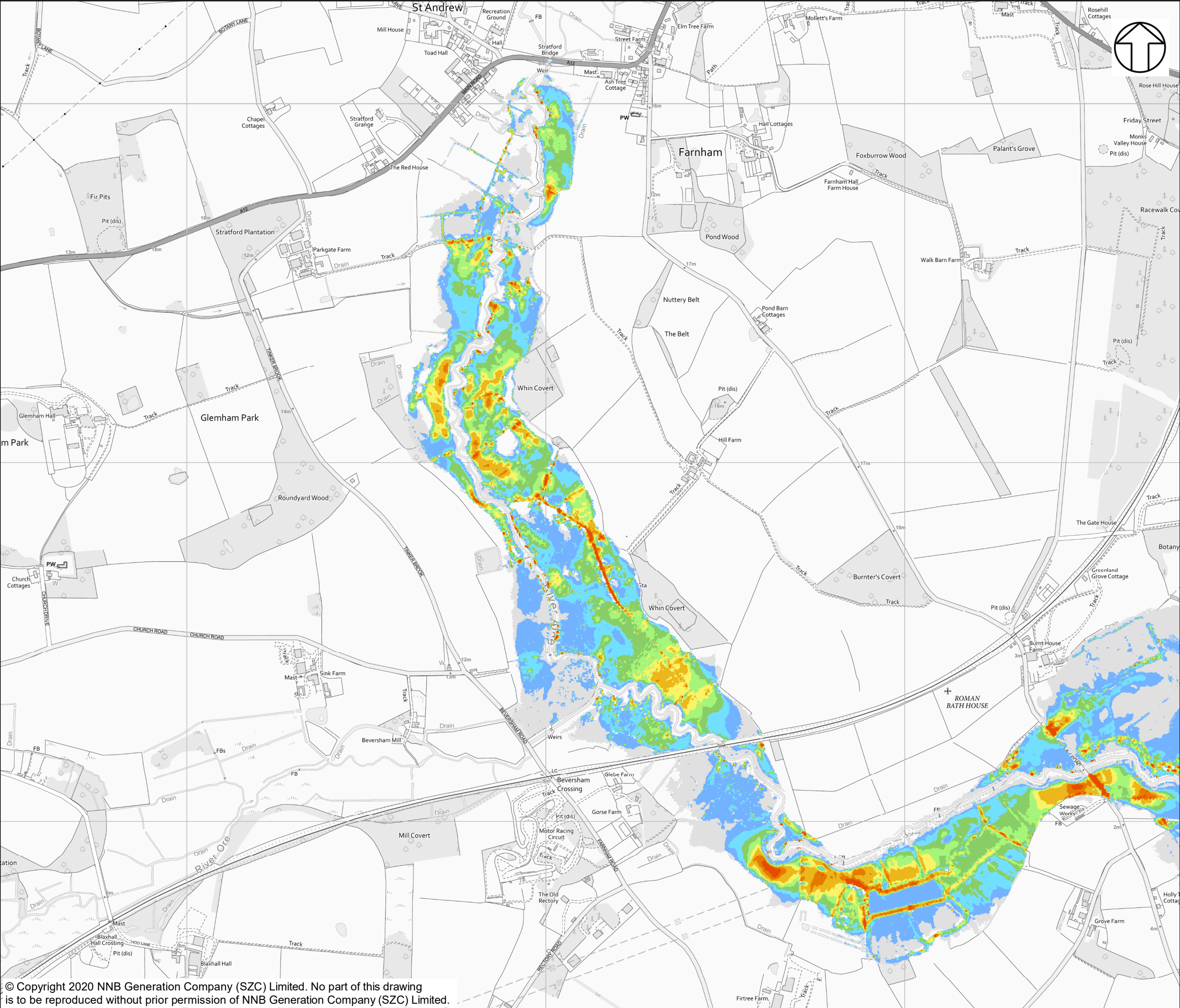
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD DEPTH
FOR 1 IN 1,000-YEAR EVENT WITH 65% FOR
CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 13

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



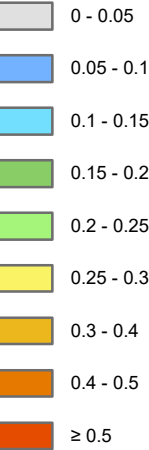


NOTES

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BASELINE 20YR PRESENT DAY

FLOOD VELOCITY (M/S)



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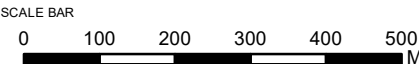


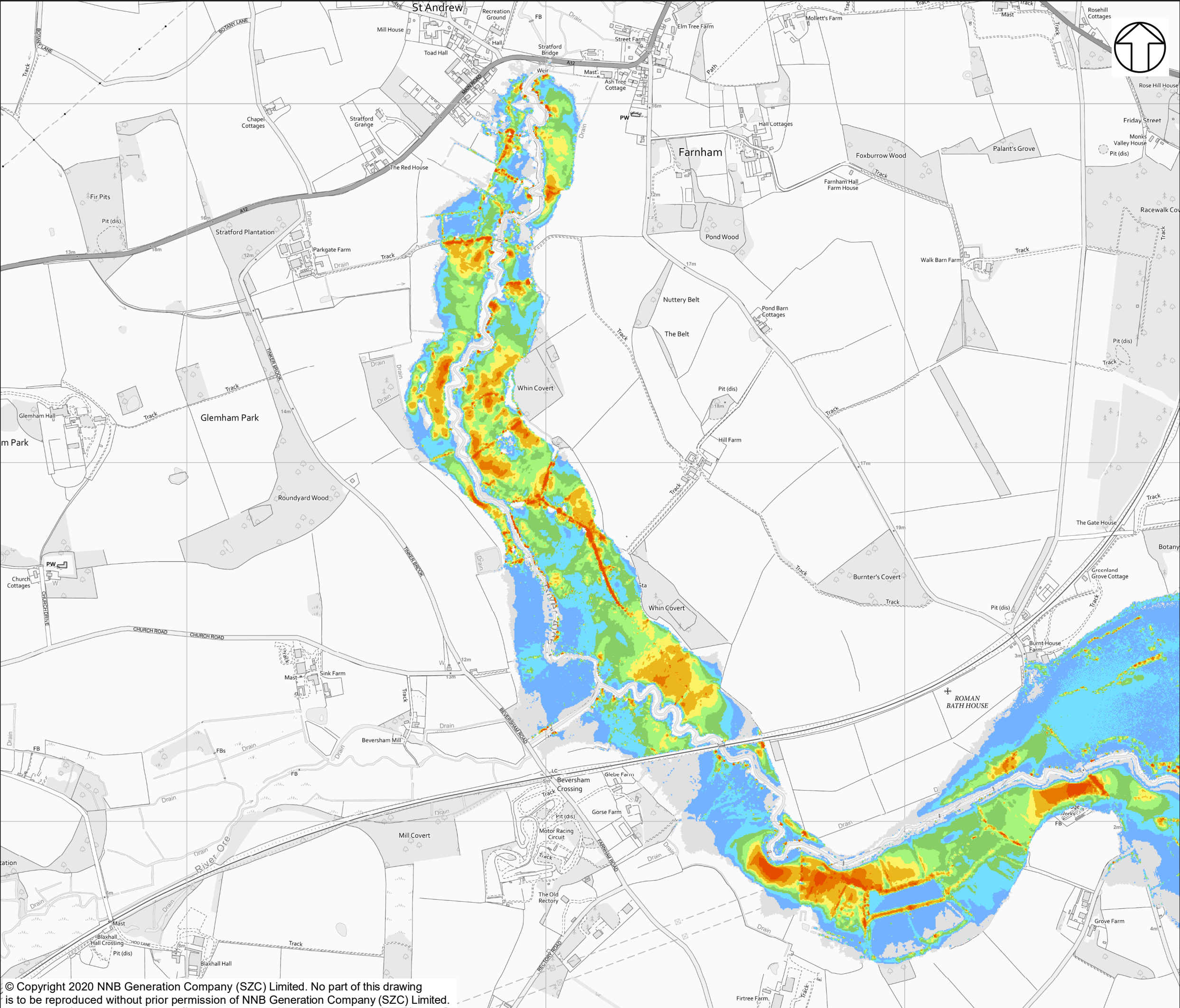
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 20-YEAR EVENT

DRAWING NO:
FIGURE 14

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



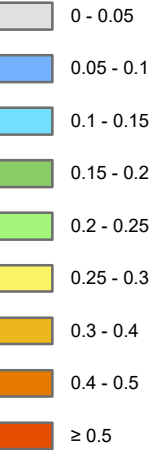


NOTES

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BASELINE 20YR +35CC

FLOOD VELOCITY (M/S)



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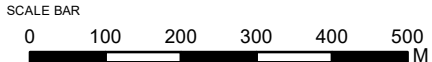


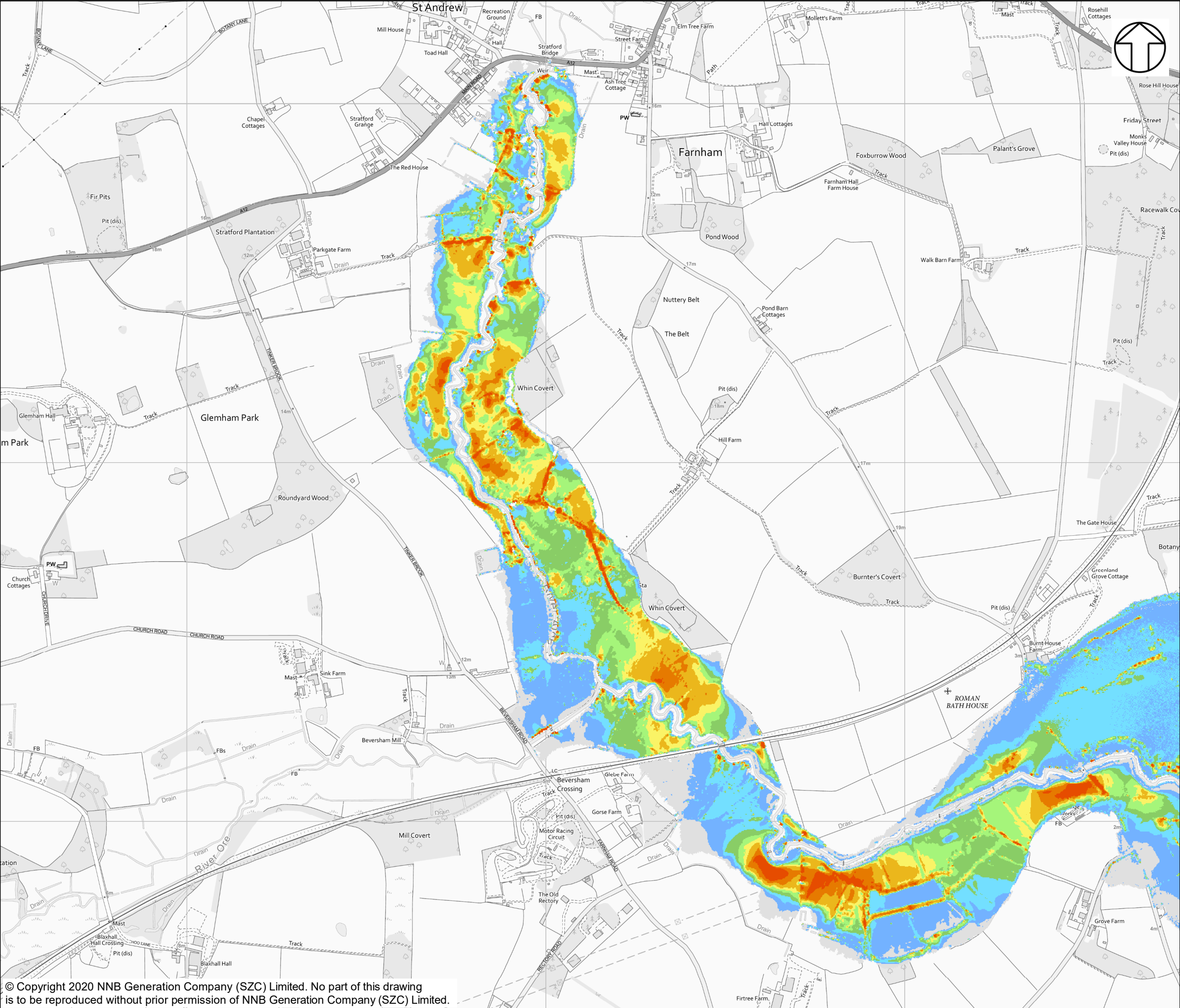
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 20-YEAR EVENT WITH 35%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 15

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





NOTES

KEY

BASELINE 20YR +65CC

FLOOD VELOCITY (M/S)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- 0.3 - 0.4
- 0.4 - 0.5
- ≥ 0.5

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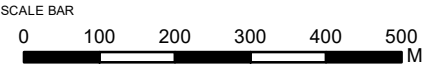


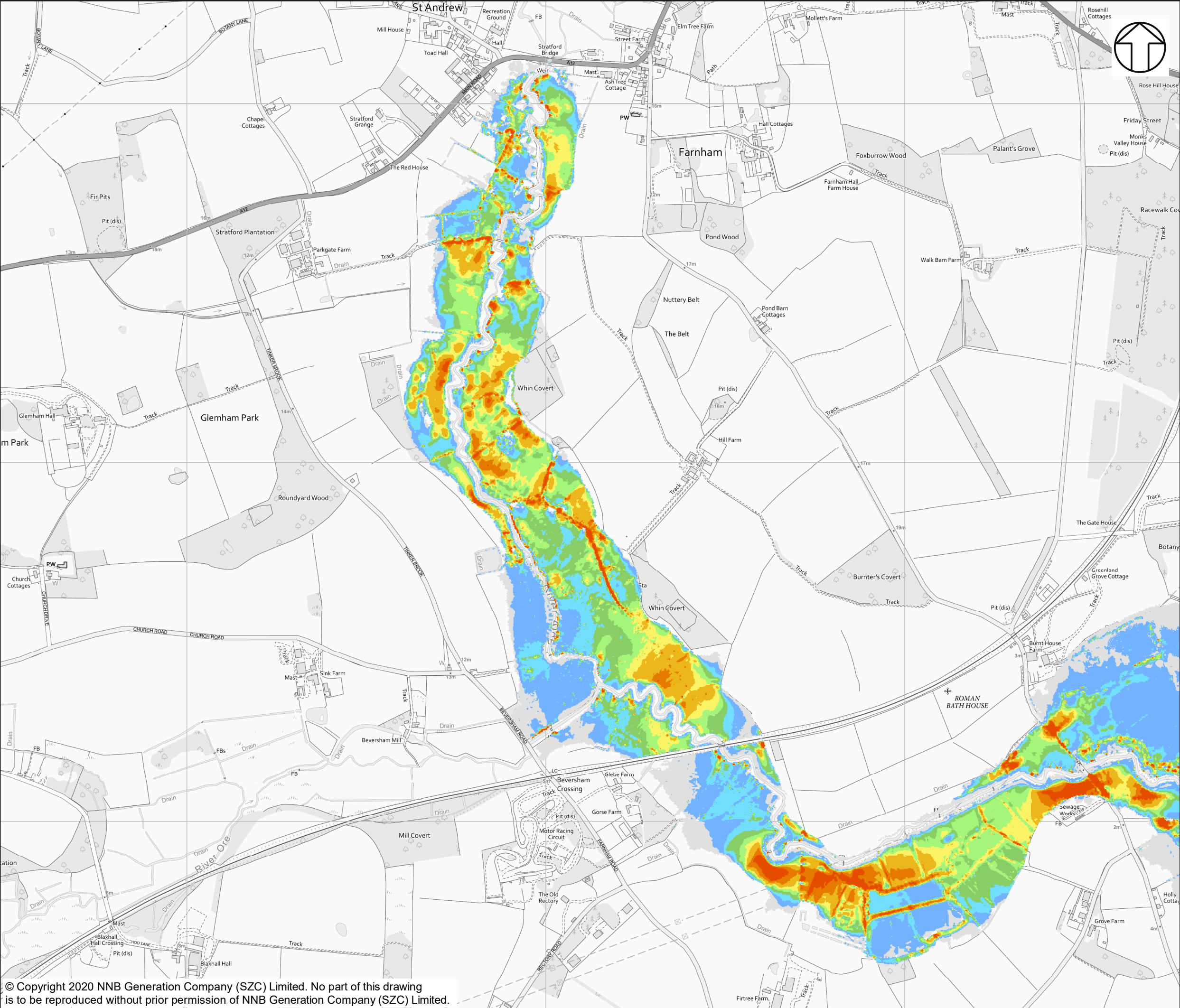
DOCUMENT:
SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 20-YEAR EVENT WITH 65%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 16

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



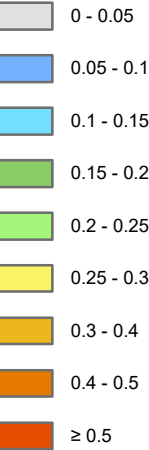


NOTES

KEY

BASELINE 100YR PRESENT DAY

FLOOD VELOCITY (M/S)



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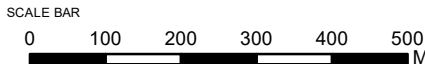


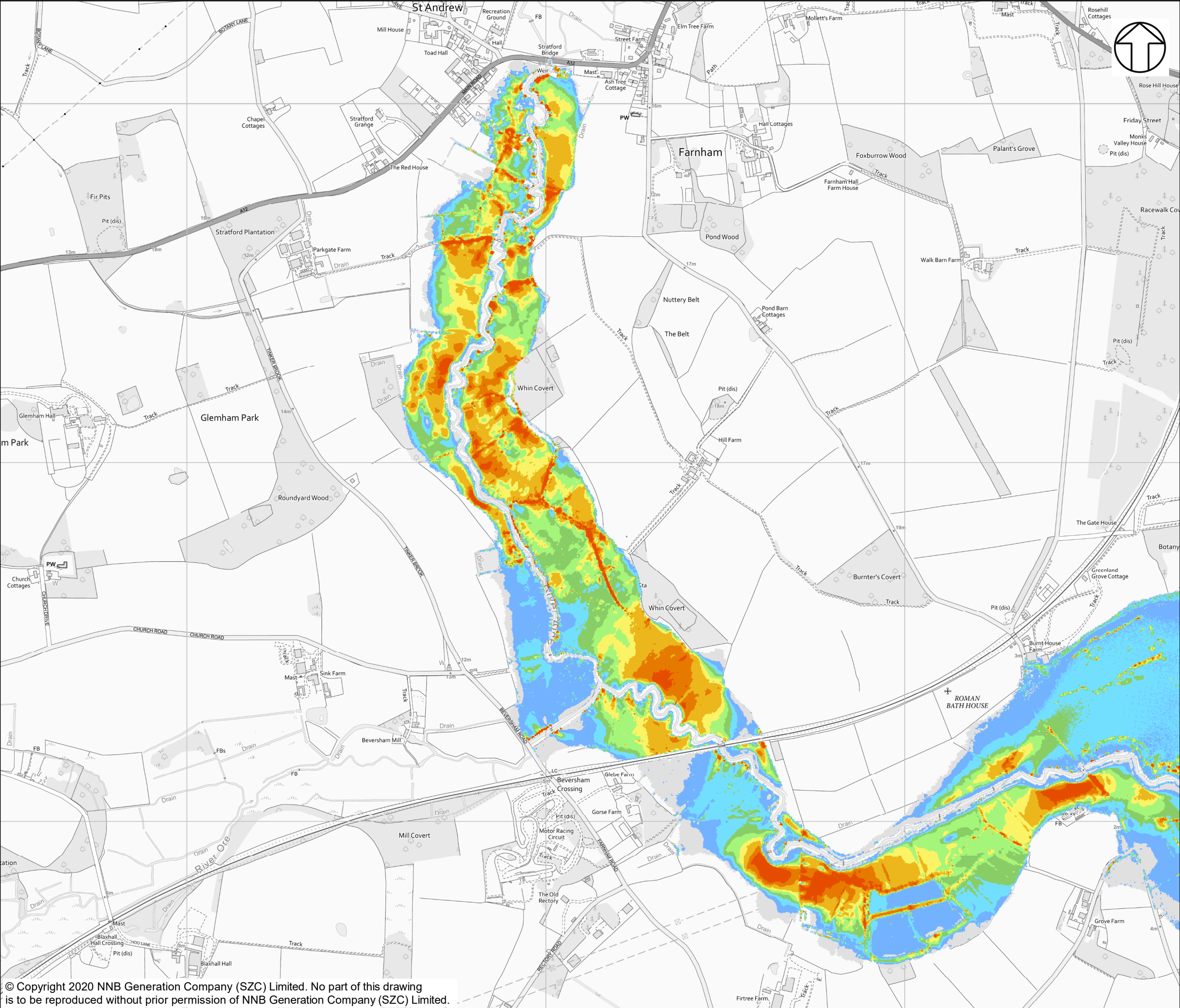
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TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 100-YEAR EVENT

DRAWING NO:
FIGURE 17

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



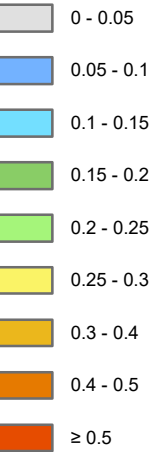


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BASELINE 100YR +35CC

FLOOD VELOCITY (M/S)



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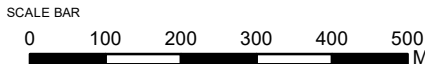


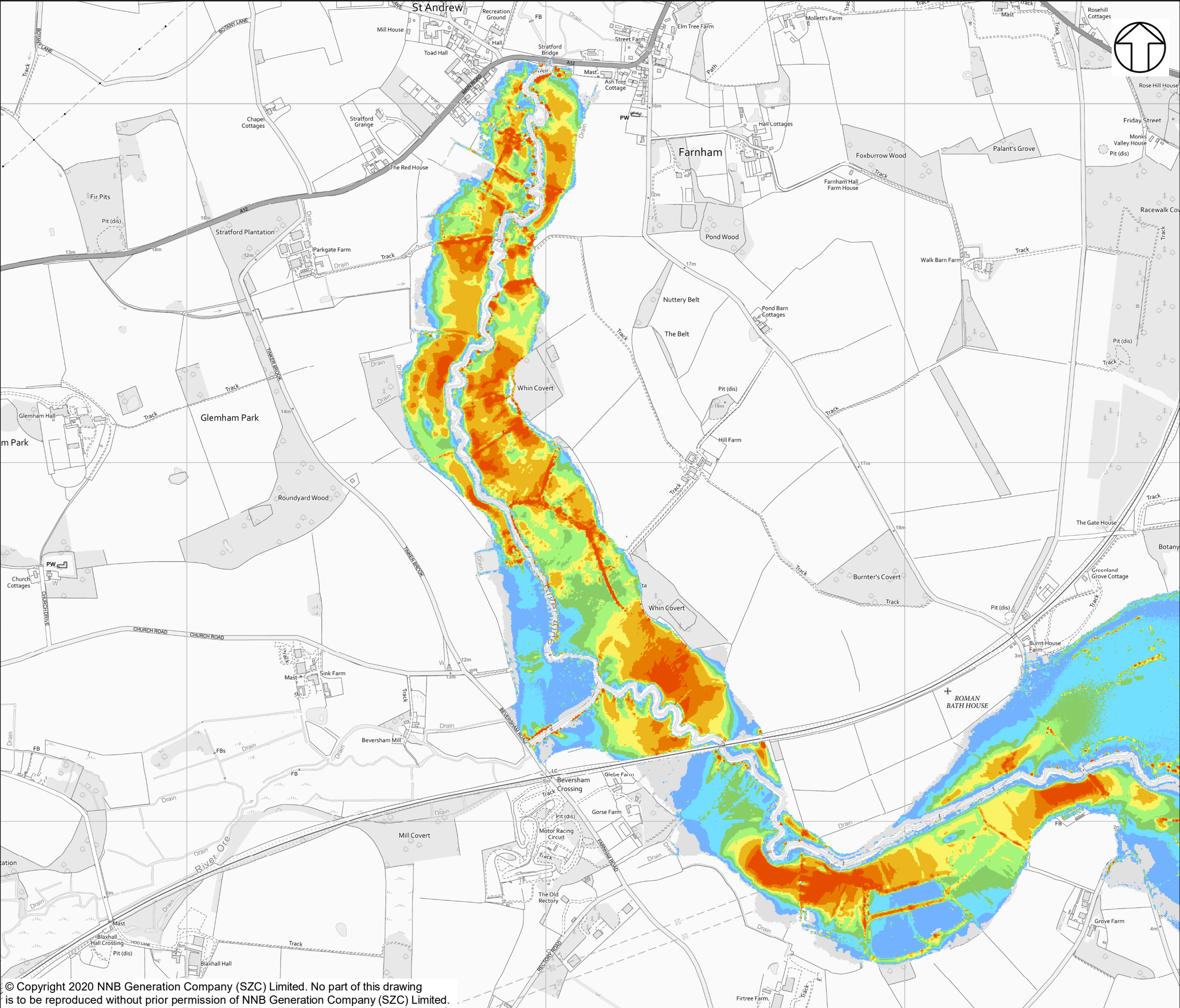
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TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 100-YEAR EVENT WITH 35%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 18

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





NOTES

KEY

BASELINE 100YR +65CC

FLOOD VELOCITY (M/S)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- 0.3 - 0.4
- 0.4 - 0.5
- ≥ 0.5

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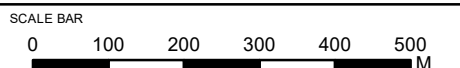


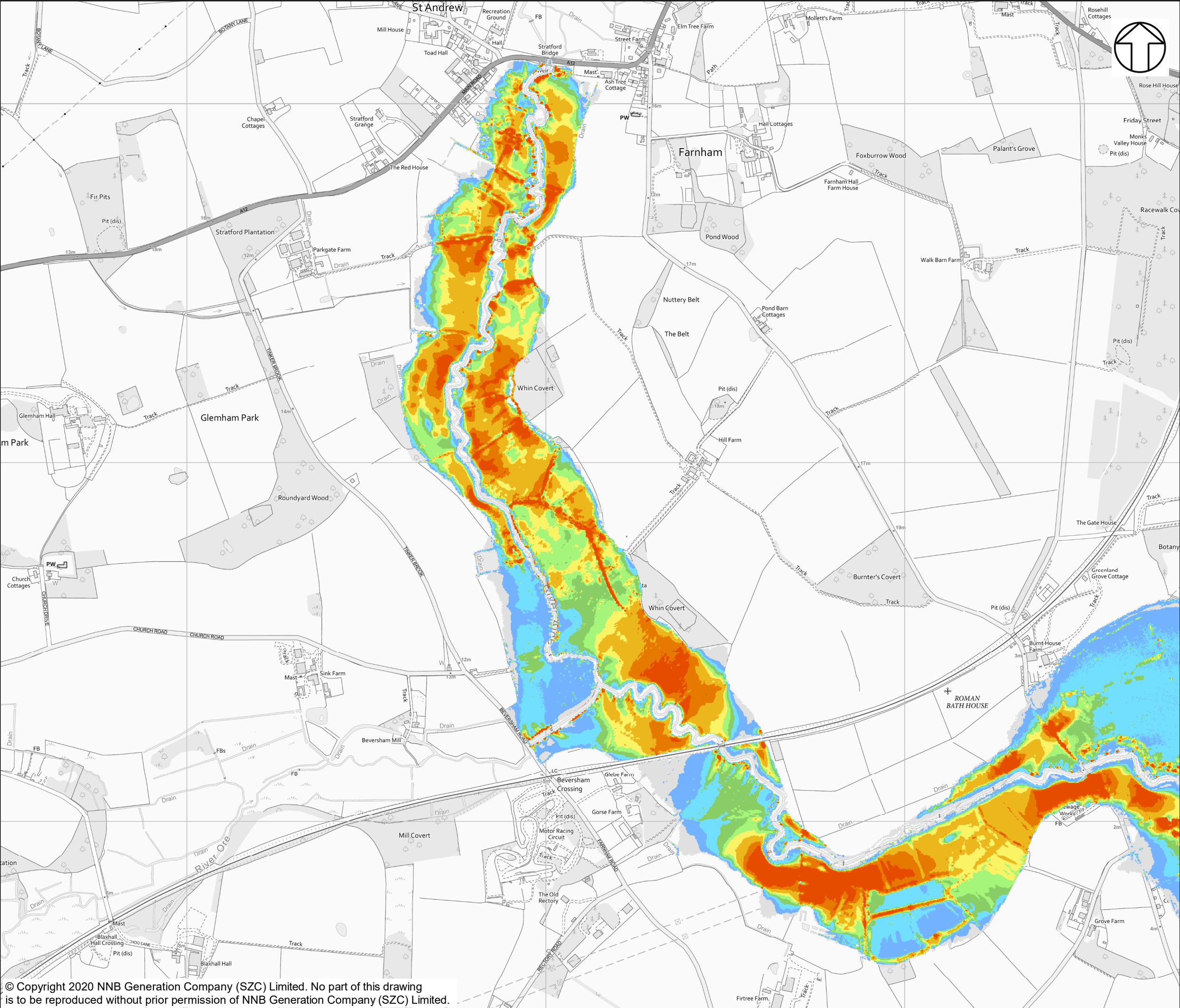
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SIZEWELL C
TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 100-YEAR EVENT WITH 65%
FOR CLIMATE CHANGE ALLOWANCE

DRAWING NO:
FIGURE 19

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





NOTES

KEY

BASELINE 1000YR PRESENT DAY

FLOOD VELOCITY (M/S)

- 0 - 0.05
- 0.05 - 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- 0.3 - 0.4
- 0.4 - 0.5
- ≥ 0.5

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TWO VILLAGE BYPASS
FLUVIAL MODEL RESULTS

DRAWING TITLE:
FLUVIAL MODELLING BASELINE FLOOD
VELOCITY FOR 1 IN 1,000-YEAR EVENT

DRAWING NO:
FIGURE 20

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

