



# The Sizewell C Project

## 5.5 Two Village Bypass Flood Risk Assessment Figures 21 - 30

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

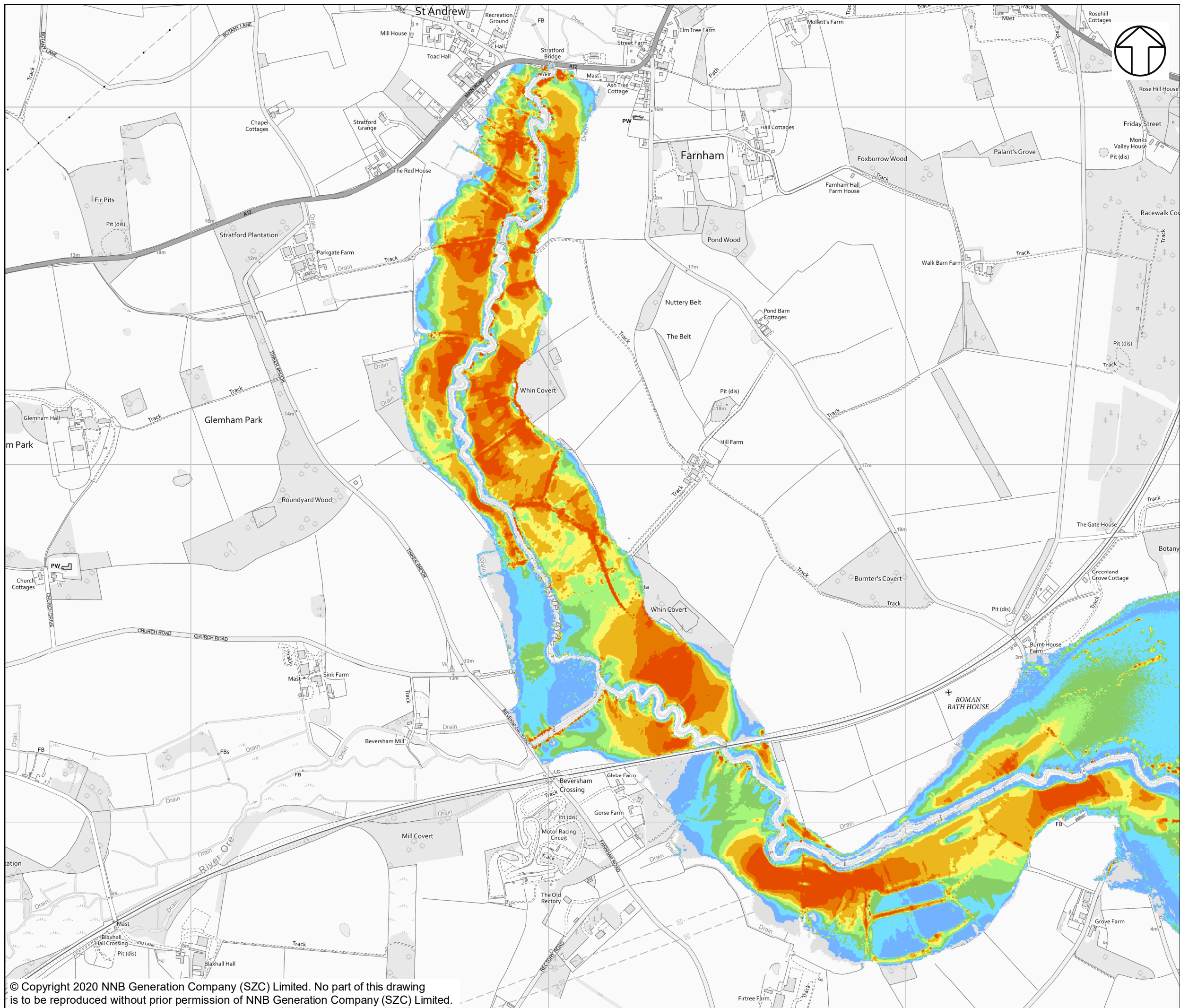
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May 2020

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





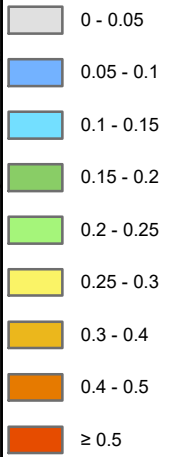


**NOTES**

**KEY**

**BASELINE 1000YR +35CC**

**FLOOD VELOCITY (M/S)**



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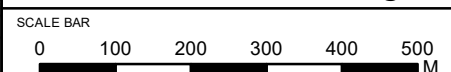


**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

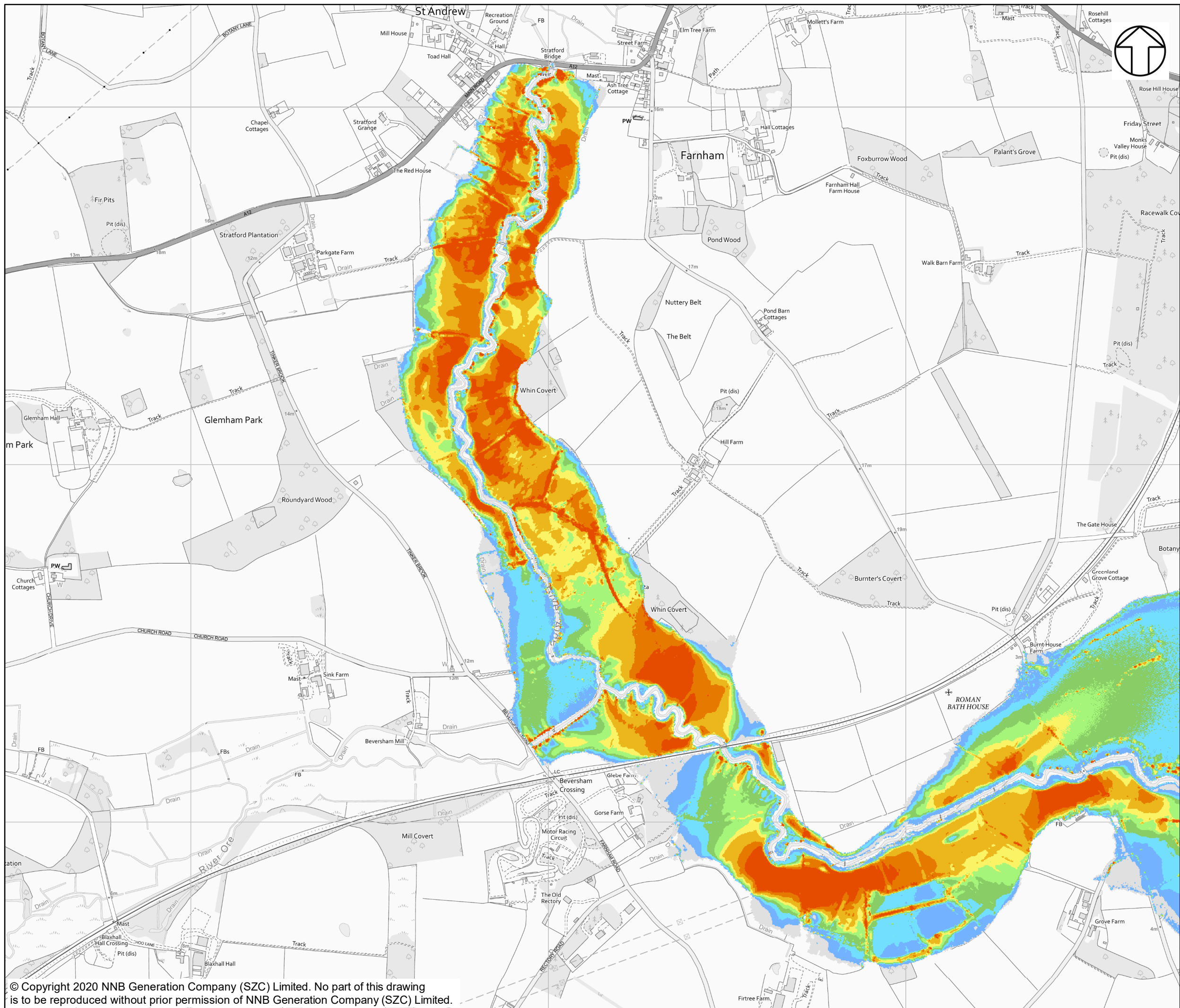
**DRAWING TITLE:**  
 FLUVIAL MODELLING BASELINE FLOOD  
 VELOCITY FOR 1 IN 1,000-YEAR EVENT WITH 35%  
 FOR CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
 FIGURE 21

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





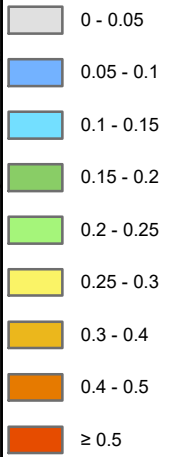


**NOTES**

**KEY**

**BASELINE 1000YR +65CC**

**FLOOD VELOCITY (M/S)**



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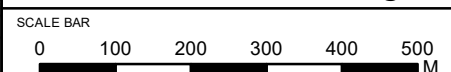


**DOCUMENT:**  
 SIZEWELL C  
 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

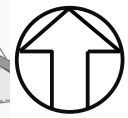
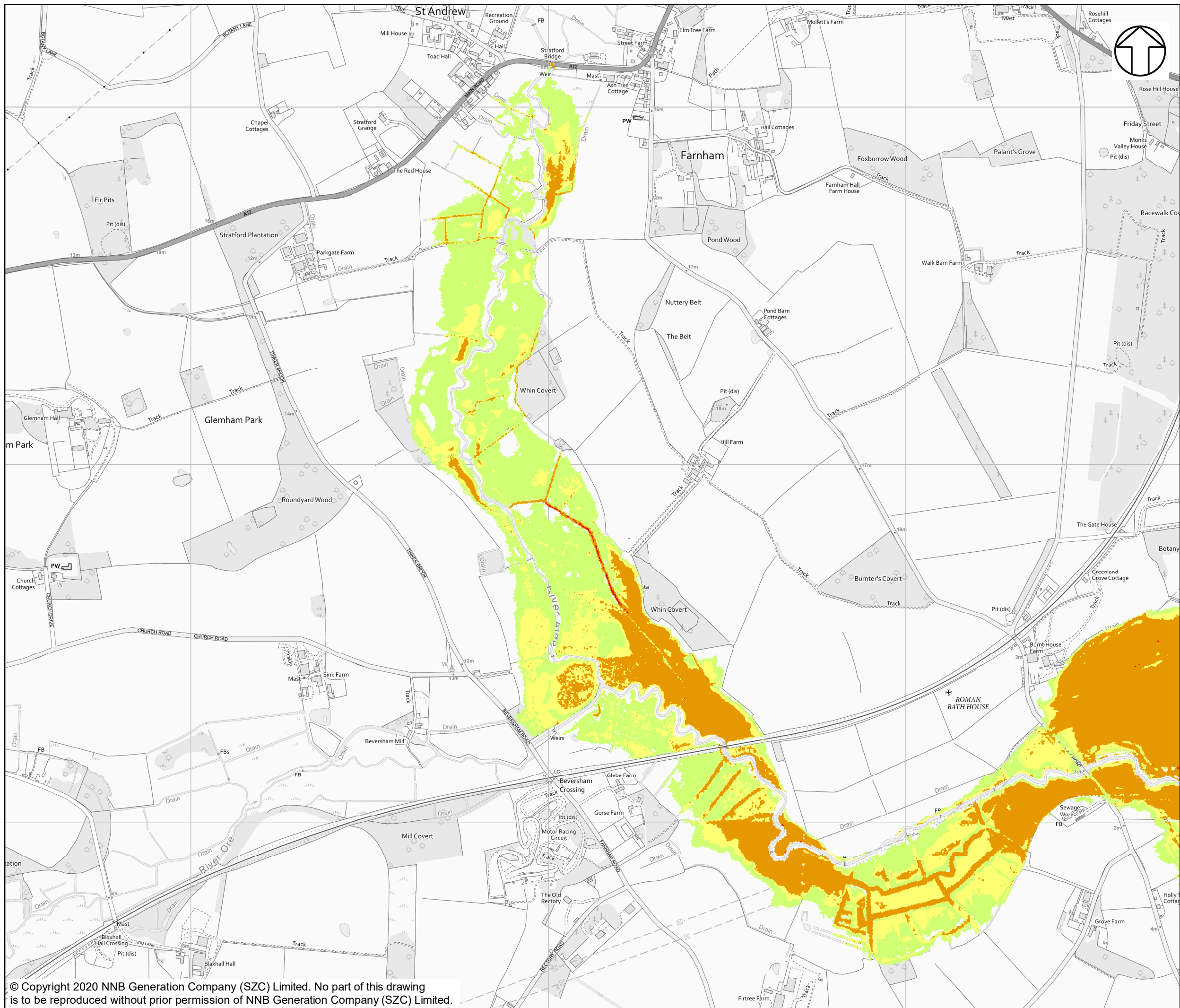
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 FLUVIAL MODELLING BASELINE FLOOD  
 VELOCITY FOR 1 IN 1,000-YEAR EVENT WITH 65%  
 FOR CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
**FIGURE 22**

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







**NOTES**

**KEY**

**BASELINE 20YR PRESENT DAY**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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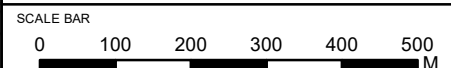


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

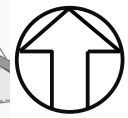
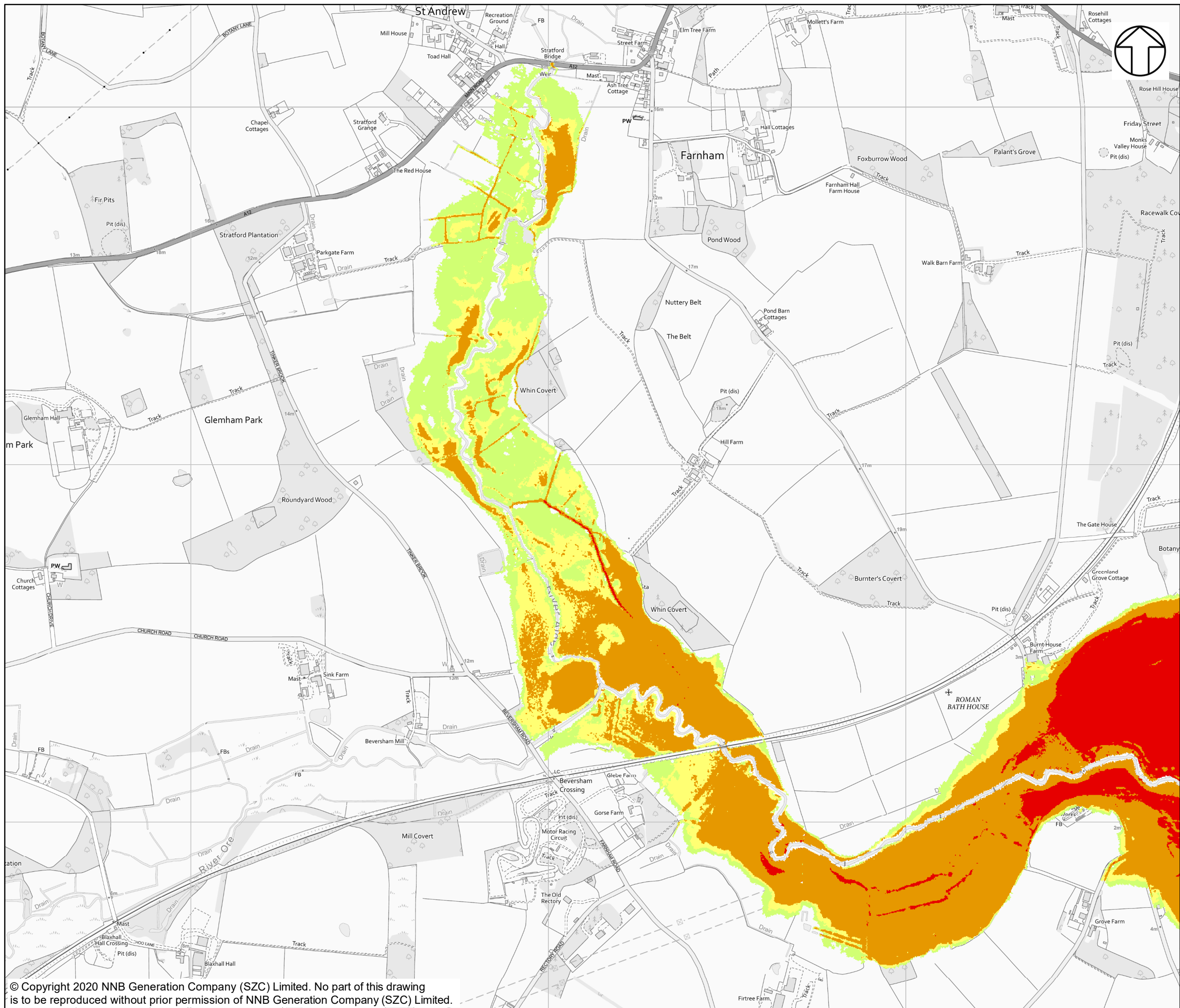
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 FLUVIAL MODELLING BASELINE FLOOD HAZARD  
 FOR 1 IN 20-YEAR EVENT

**DRAWING NO:**  
**FIGURE 23**

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







**NOTES**

**KEY**

**BASELINE 20YR +35CC**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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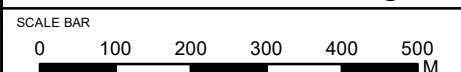


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

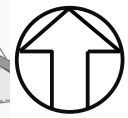
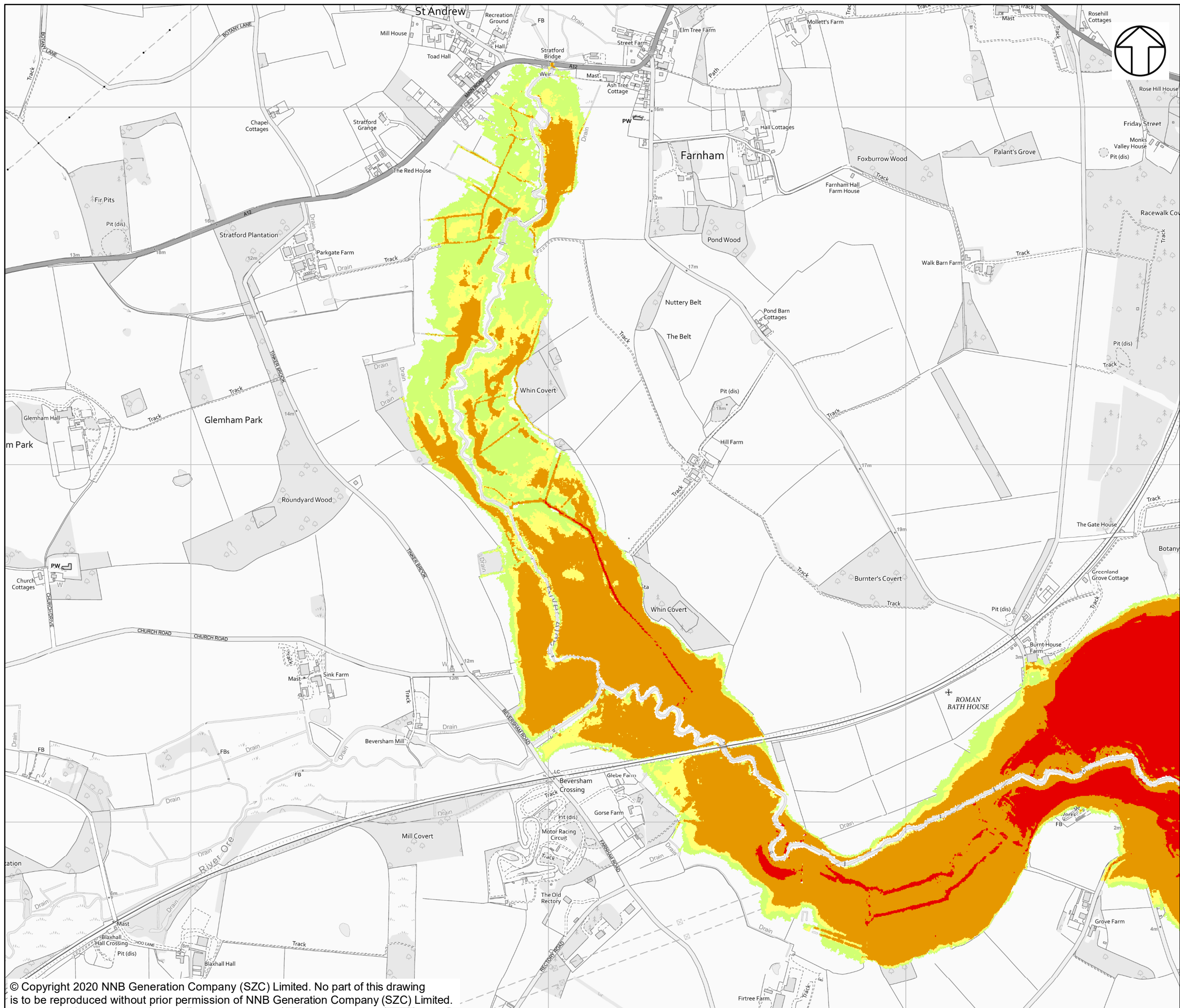
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 FLUVIAL MODELLING BASELINE FLOOD HAZARD  
 FOR 1 IN 20-YEAR EVENT WITH 35% FOR  
 CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
**FIGURE 24**

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







**NOTES**

**KEY**

**BASELINE 20YR +65CC**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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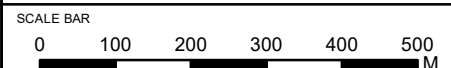


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

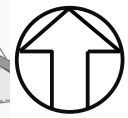
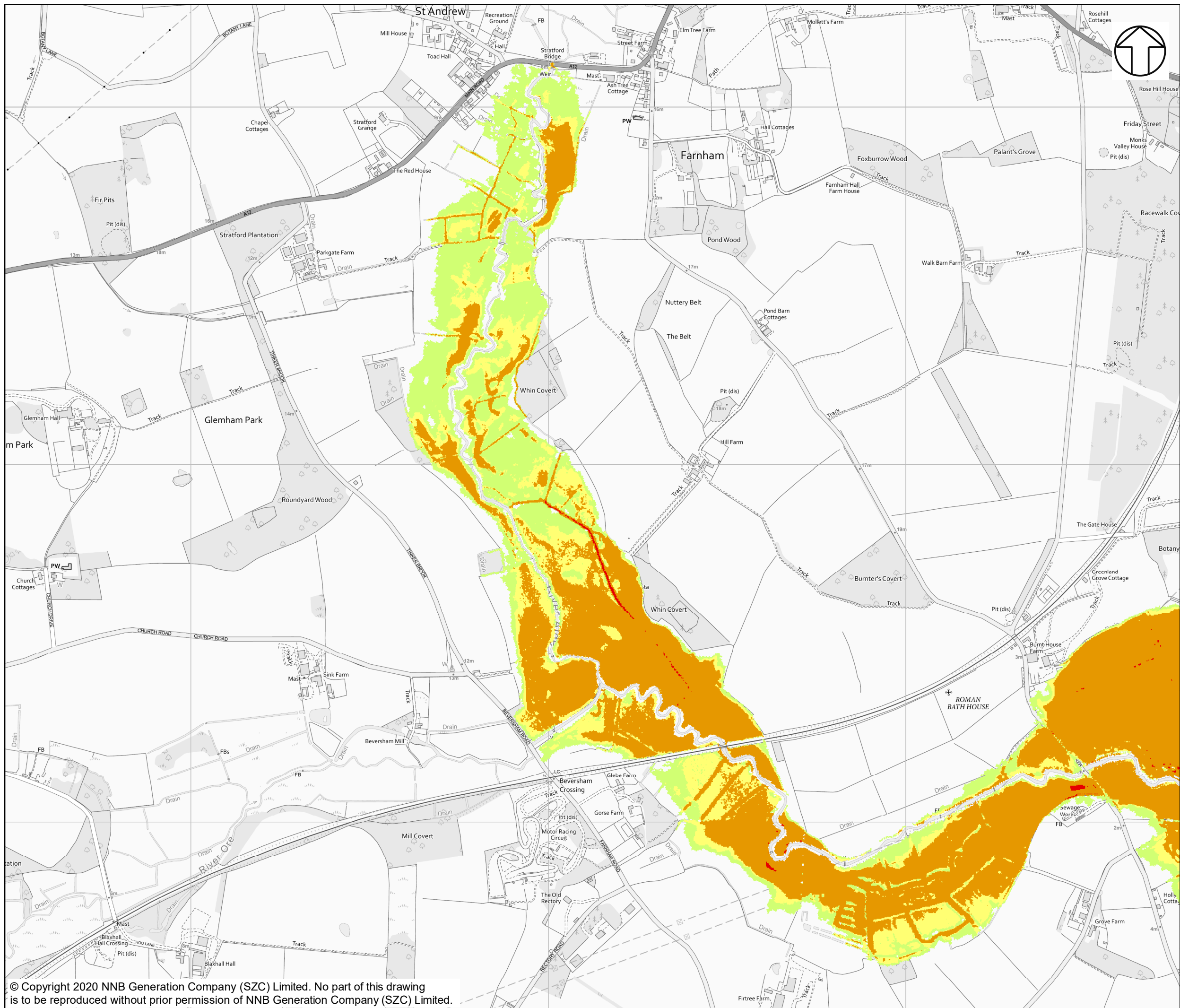
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 FLUVIAL MODELLING BASELINE FLOOD HAZARD  
 FOR 1 IN 20-YEAR EVENT WITH 65% FOR  
 CLIMATE CHANGE ALLOWANCE

DRAWING NO:  
**FIGURE 25**

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







**NOTES**

**KEY**

**BASELINE 100 YEAR PRESENT DAY**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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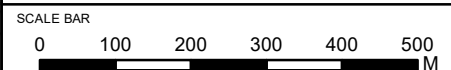


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

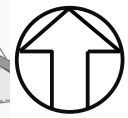
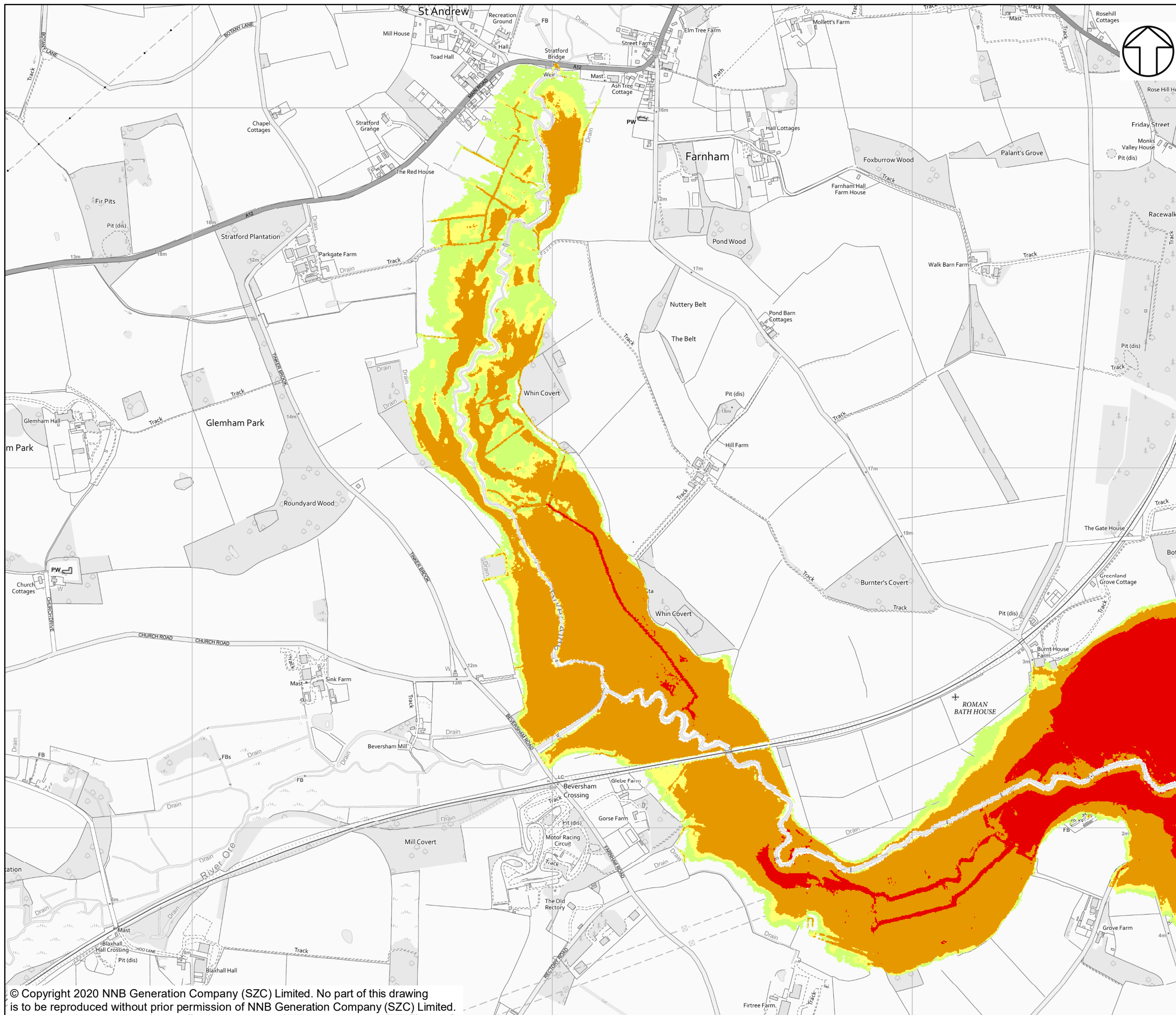
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 FOR 1 IN 100-YEAR EVENT

DRAWING NO:  
**FIGURE 26**

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







**NOTES**

**KEY**

**BASELINE 100 YEAR +35CC**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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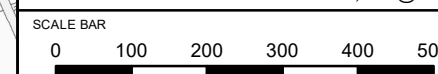


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

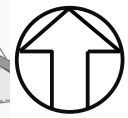
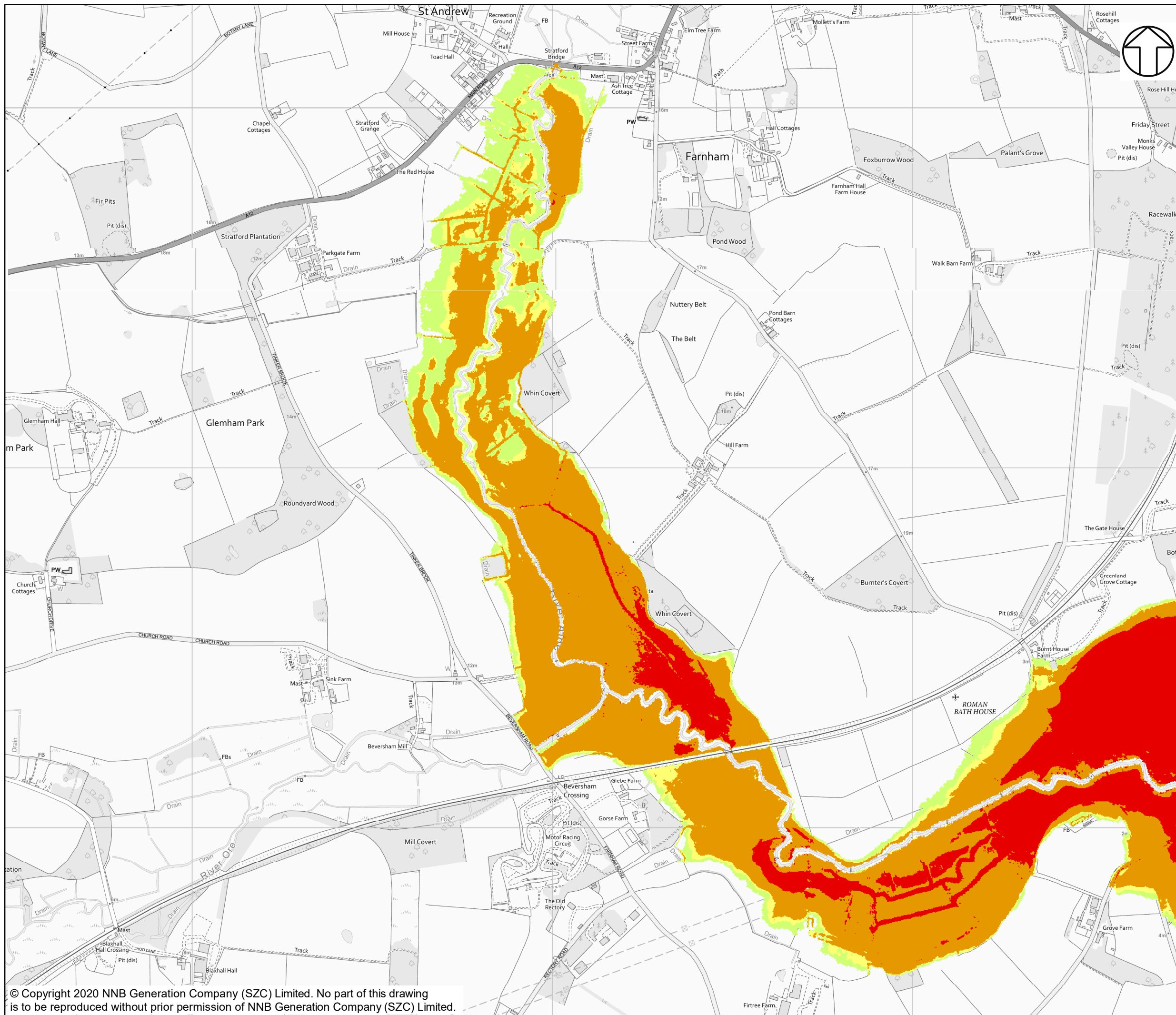
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 FLUVIAL MODELLING BASELINE FLOOD HAZARD  
 FOR 1 IN 100-YEAR EVENT WITH 35% FOR  
 CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
**FIGURE 27**

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







**NOTES**

**KEY**

**BASELINE 100 YEAR +65CC**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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**DOCUMENT:**  
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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

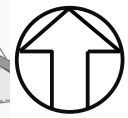
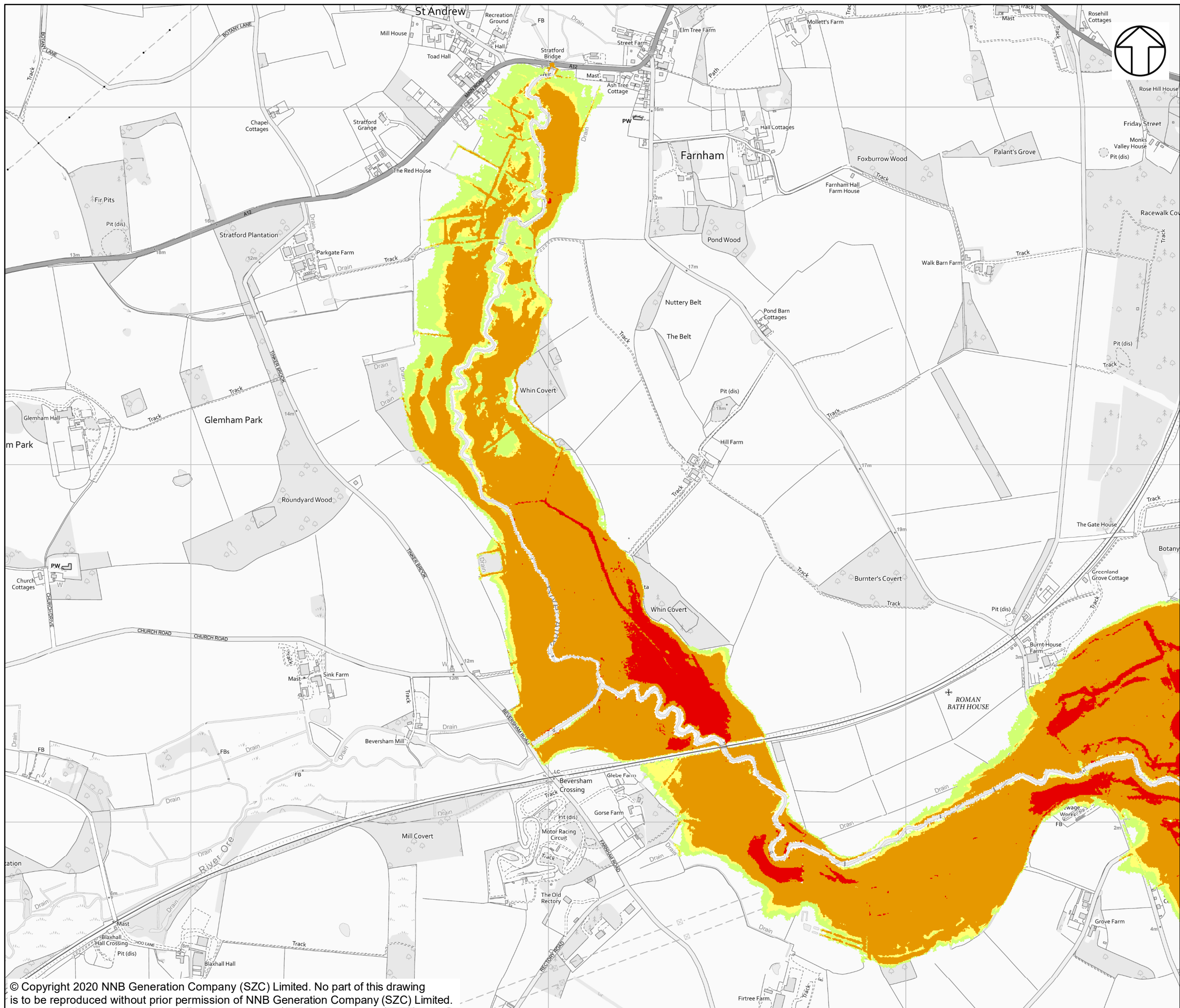
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 FOR 1 IN 100-YEAR EVENT WITH 65% FOR  
 CLIMATE CHANGE ALLOWANCE

**DRAWING NO:**  
**FIGURE 28**

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







**NOTES**

**KEY**

**BASELINE 1000 YEAR PRESENT**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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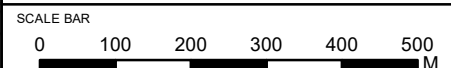


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 TWO VILLAGE BYPASS  
 FLUVIAL MODEL RESULTS

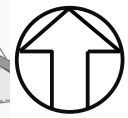
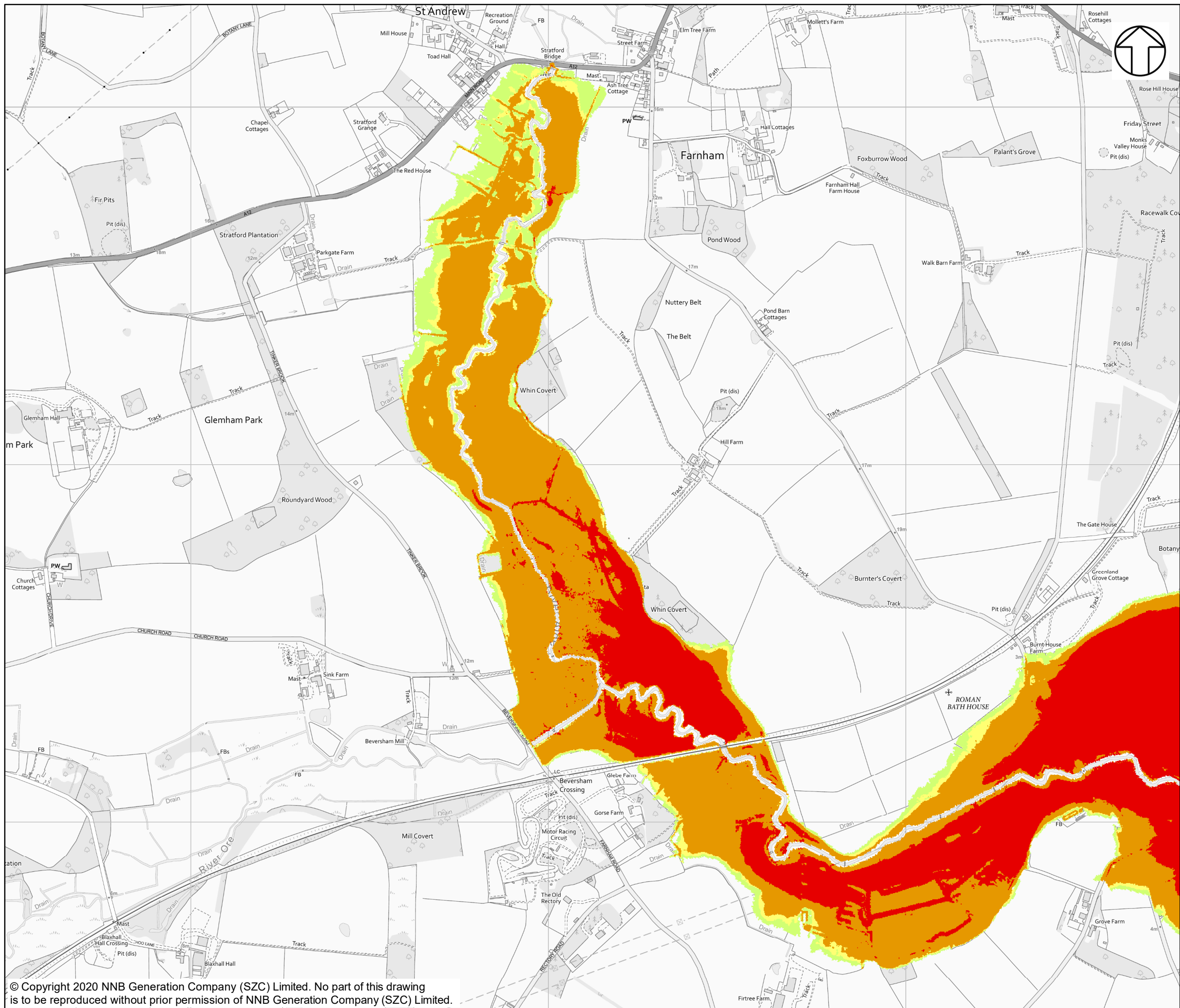
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 FOR 1 IN 1,000-YEAR EVENT

**DRAWING NO:**  
**FIGURE 29**

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







**NOTES**

**KEY**

**BASELINE 1000 YEAR +35CC**

**FLOOD HAZARD**

- LESS THAN 0.75 (LOW HAZARD)
- BETWEEN 0.75 AND 1.25 (DANGER FOR SOME)
- BETWEEN 1.25 AND 2.0 (DANGER FOR MOST)
- GREATER THAN 2.0 (DANGER FOR ALL)

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

**DRAWING NO:**  
**FIGURE 30**

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

