



The Sizewell C Project

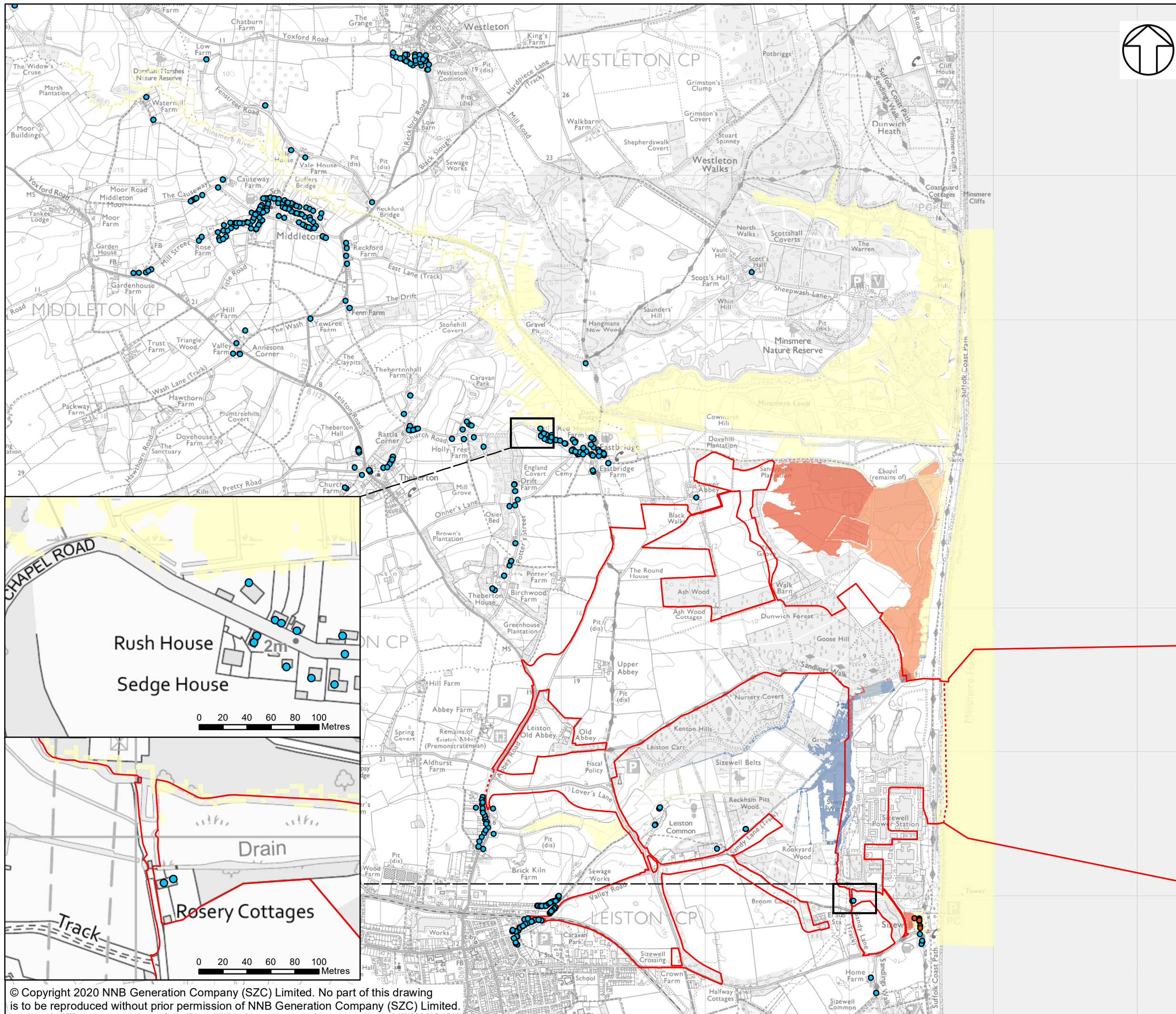
5.2 Main Development Site Flood Risk Assessment Figures 61- 69

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

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

NRD RESIDENTIAL

- DRY
- WET

DIFFERENCE (m)

- 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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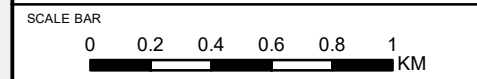


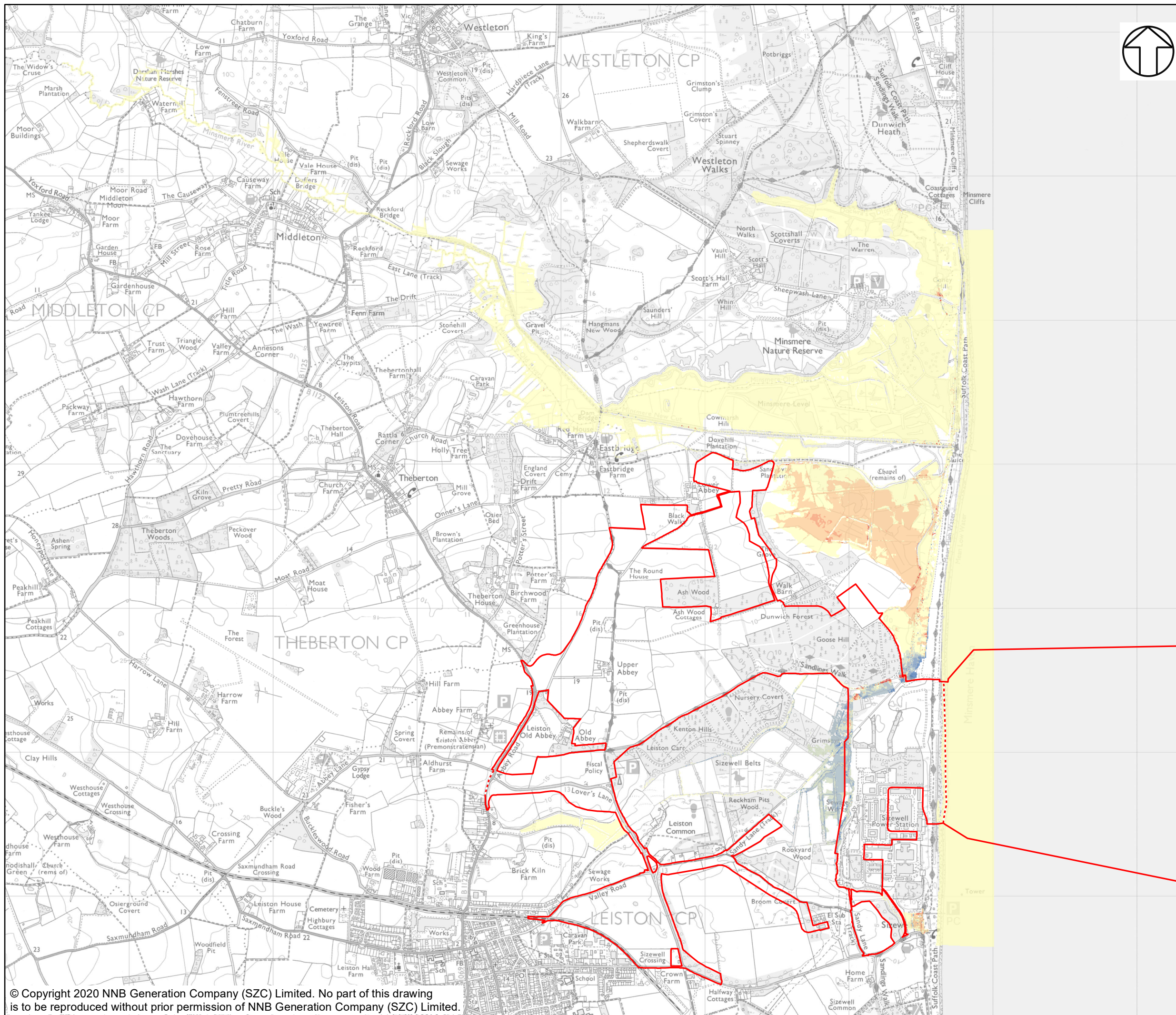
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN COASTAL INUNDATION
 MODELLED DEPTH AND IMPACT ON
 PROPERTIES FOR THE 1 IN 200-YEAR IN 2030

DRAWING NO:
 FIGURE 61

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:25,000 @A3





NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

DIFFERENCE IN VELOCITY (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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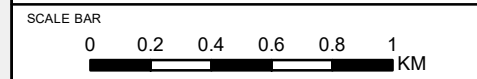


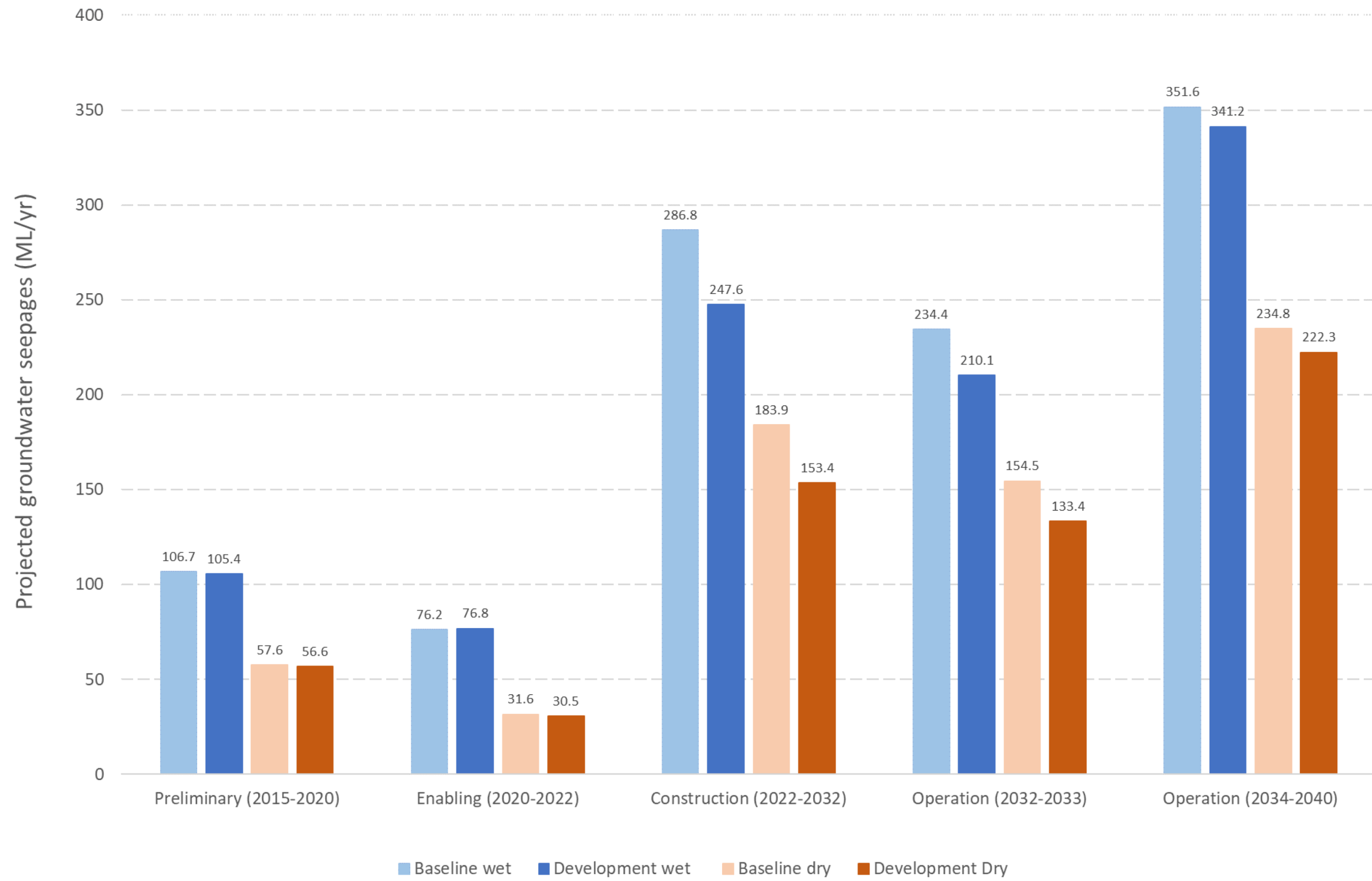
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN COASTAL INUNDATION
 MODELLED VELOCITY FOR THE 1 IN 200-
 YEAR IN 2030

DRAWING NO:
 FIGURE 62

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:25,000 @A3





NOTES

KEY

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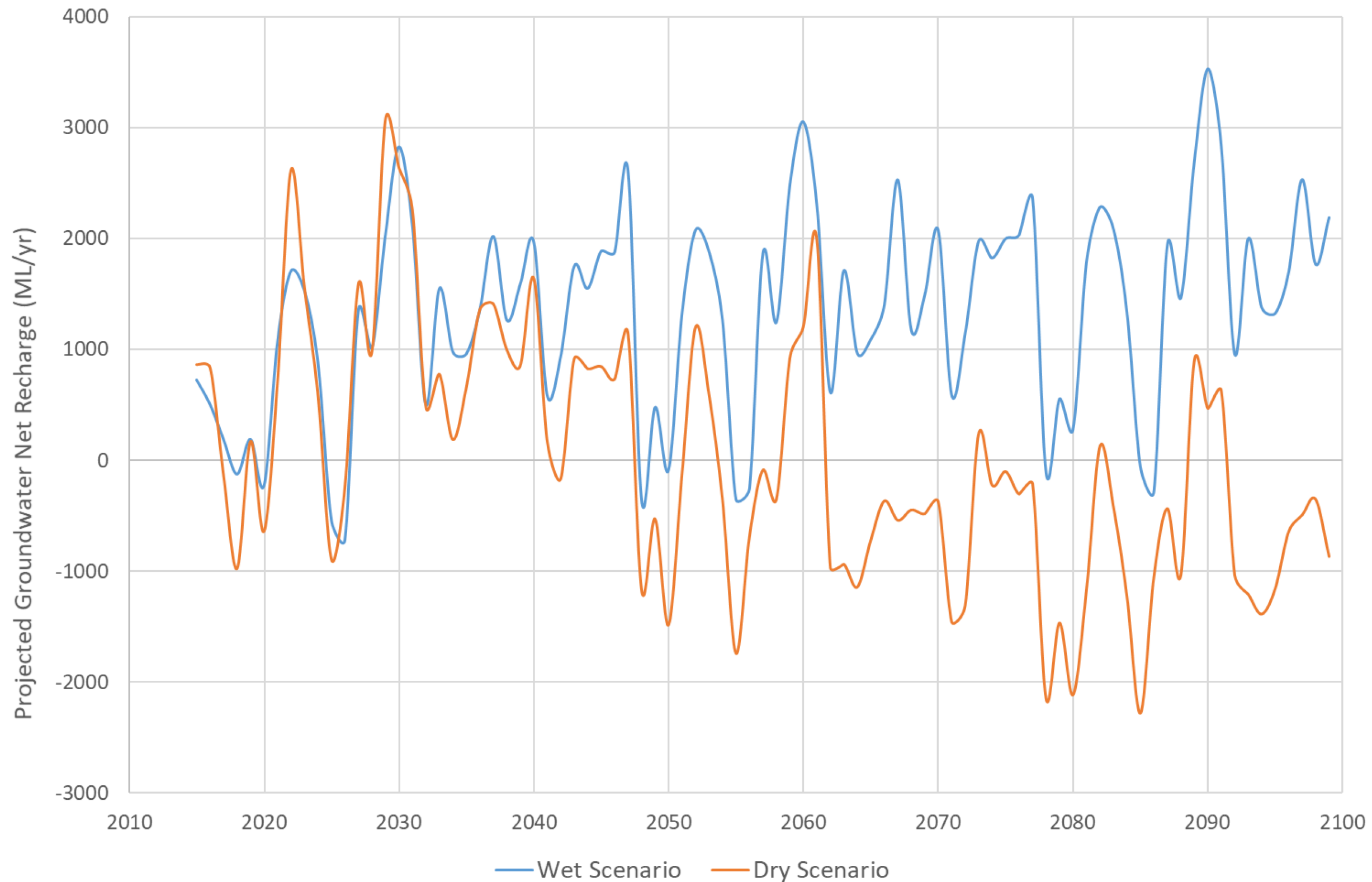
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 COMPARISON OF THE TOTAL ANNUAL
 GROUNDWATER SEEPAGE ACROSS
 THE SIZEWELL MARSHES SSSI

DRAWING NO:
 FIGURE 63

DATE: JAN 2020 DRAWN: P.S. SCALE:

SCALE BAR



NOTES

KEY

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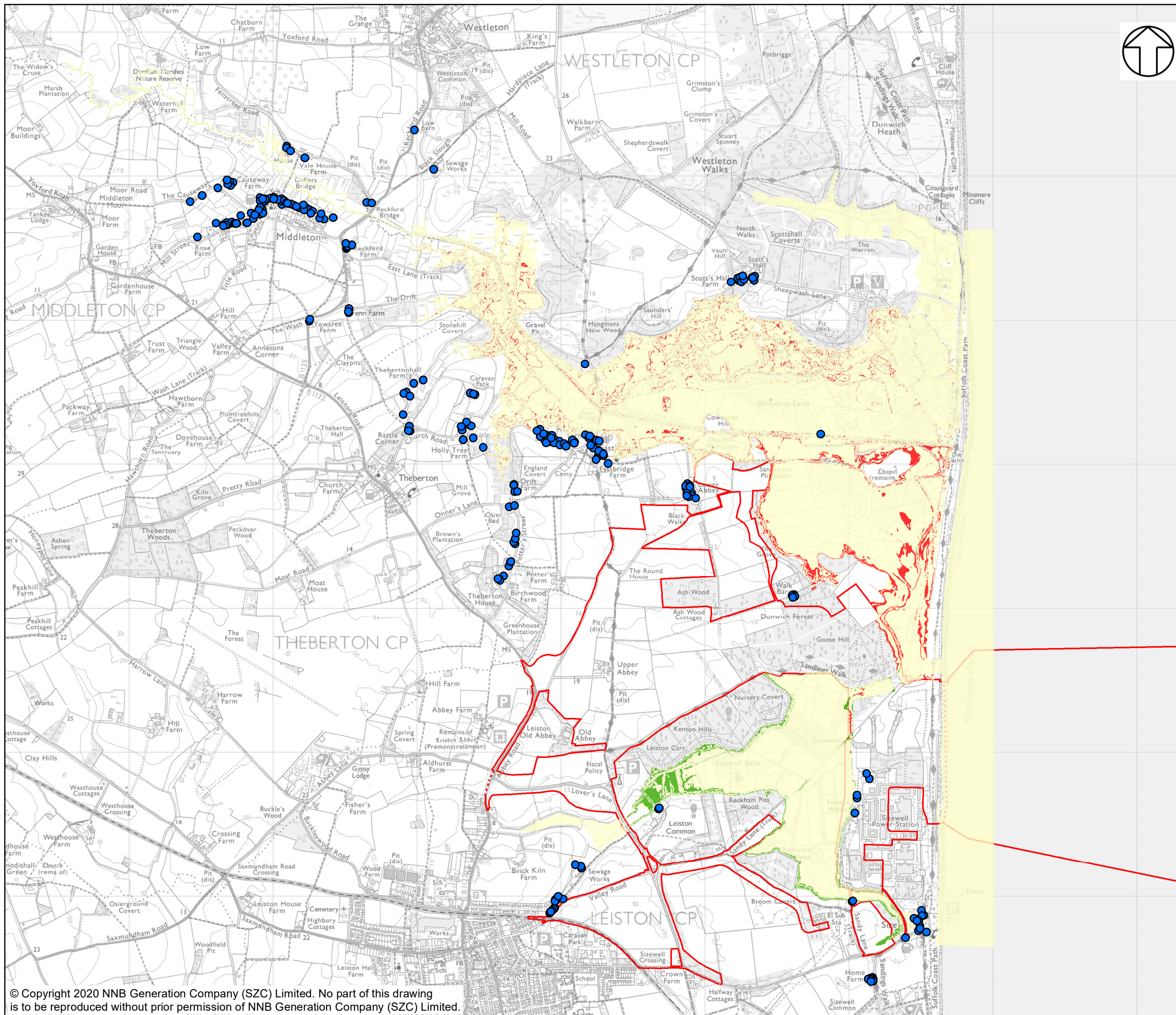
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 GROUNDWATER MODELLED NET RECHARGE
 FOR THE WET AND DRY SCENARIOS TO 2100

DRAWING NO:
 FIGURE 64

DATE: JAN 2020 DRAWN: P.S. SCALE:

SCALE BAR



NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
 - DEMARCATION LINE
 - NRD POINTS
- FLOOD HAZARD**
- MAX HAZARD CLASS INCREASE
 - NO CHANGE
 - MAX HAZARD CLASS DECREASE

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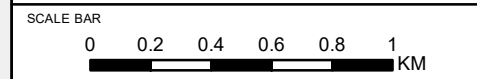


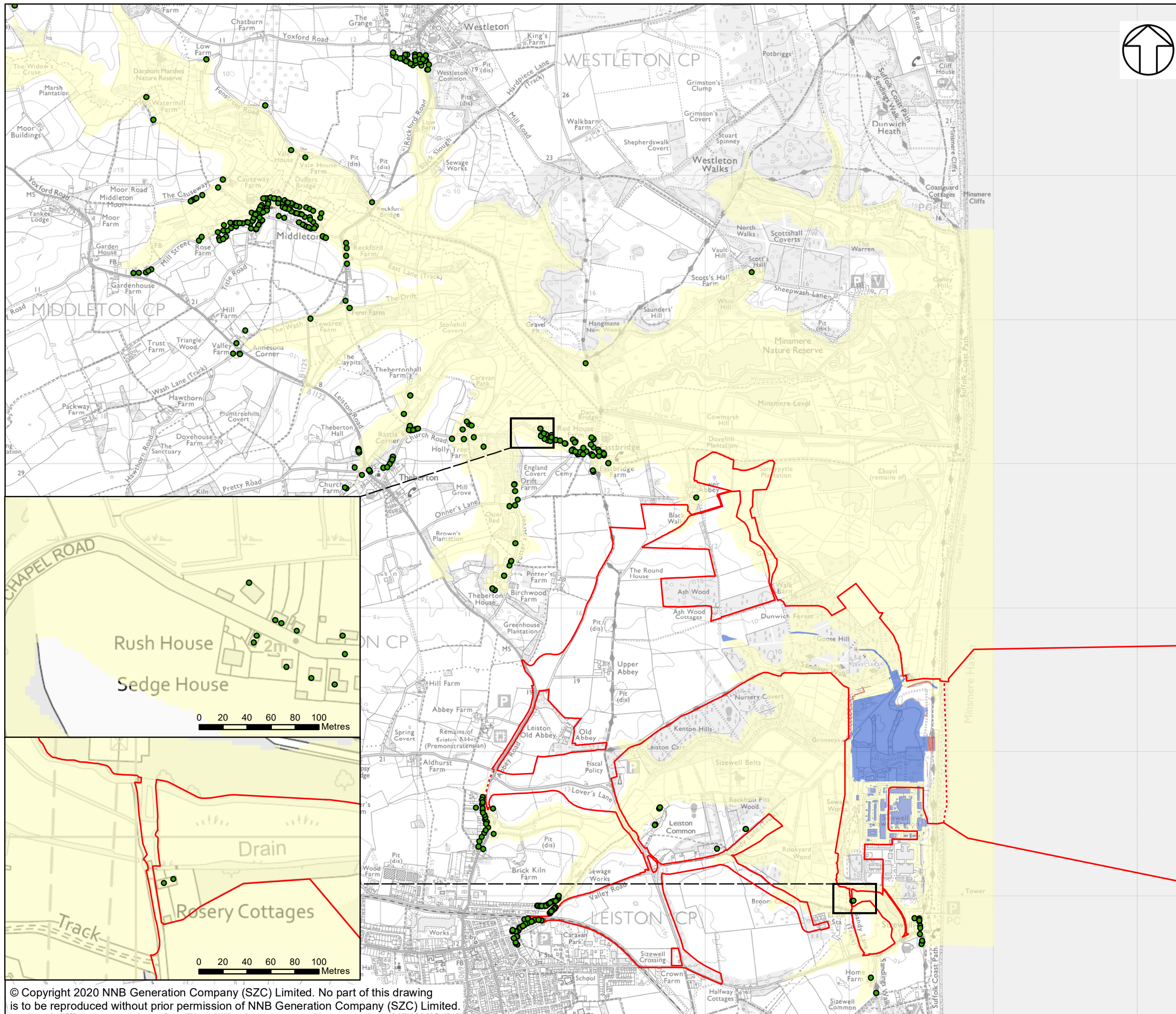
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN TANK TRAPS BREACH
 MODELLED FLOOD HAZARD FOR THE 1
 IN 200-YEAR 2030

DRAWING NO:
 FIGURE 65

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:25,000 @A3





NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE
- NRD RESIDENTIAL

DIFFERENCE IN DEPTH (M)

- 10 - -0.3
- 0.3 - -0.1
- 0.1 - -0.03
- 0.03 - -0.01
- 0
- 0.01 - 0.03
- 0.03 - 0.1
- 0.1 - 0.3
- 0.3 - 6

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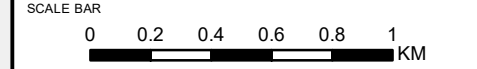


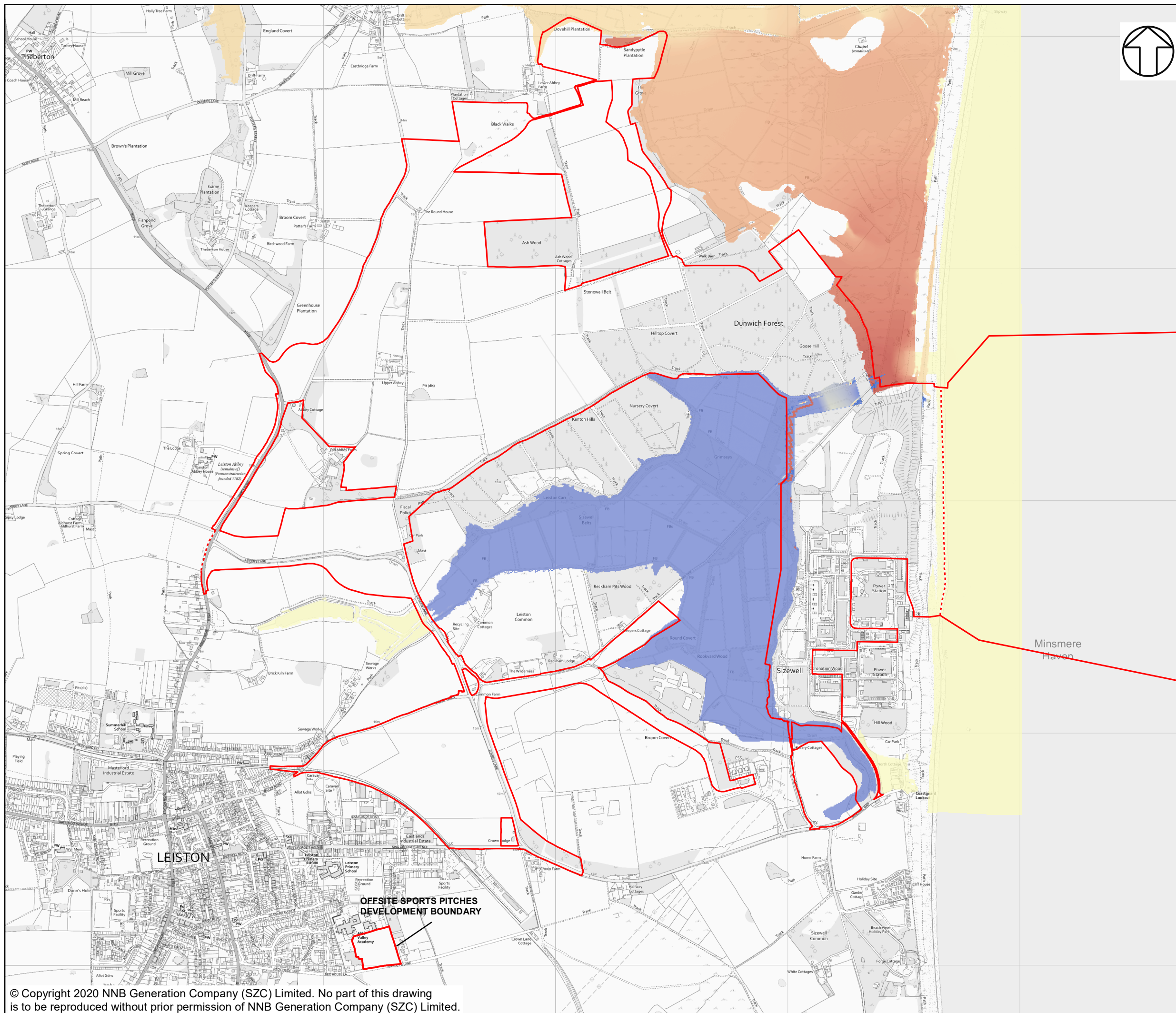
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN DEPTH FOR BREACH
 OF HCDF (OPTION 1) FOR
 1 IN 1,000-YEAR EVENT WITH CLIMATE
 CHANGE UP TO 2140 (BECC UPPER)
 AND IMPACT ON PROPERTIES

DRAWING NO.:
 FIGURE 66

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:25,000 @A3





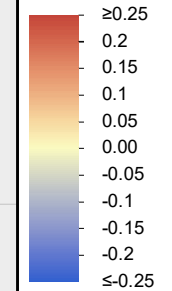
NOTES

KEY

- SIZEWELL C AND ASSOCIATED DEVELOPMENT SITE BOUNDARIES
- - - DEMARCATION LINE

DIFFERENCE IN BREACH 1000YR 2030

DIFFERENCE (M)



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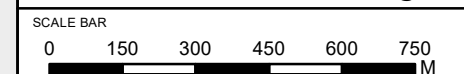


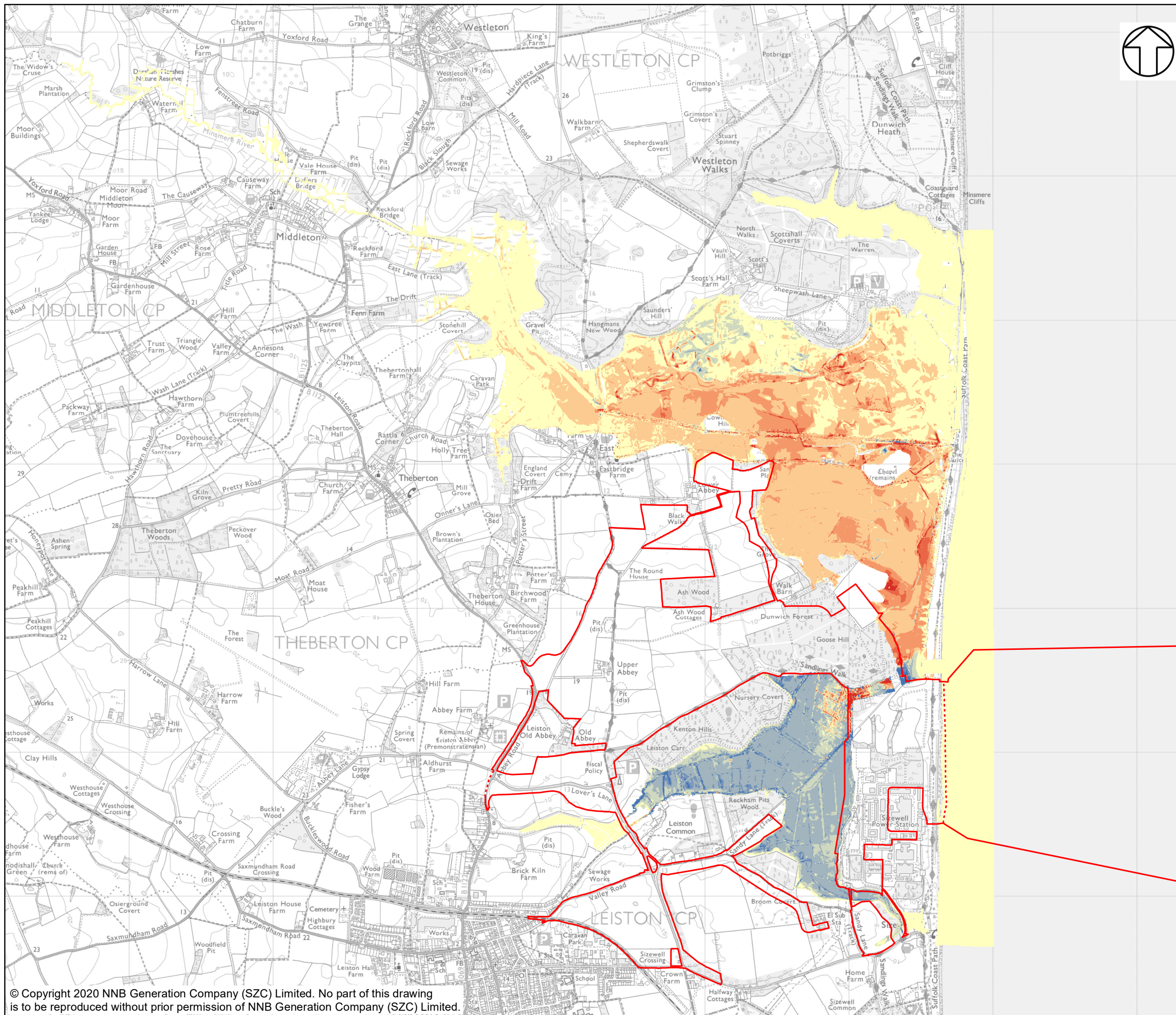
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN TANK TRAPS BREACH
 MODELLED DEPTH FOR THE 1 IN 1,000-YEAR
 2030

DRAWING NO:
 FIGURE 67

DATE: FEB 2020 **DRAWN:** E.H. **SCALE:** 1:15,500 @A3





NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

DIFFERENCE IN VELOCITY (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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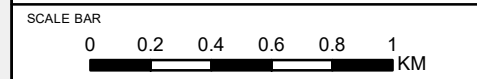


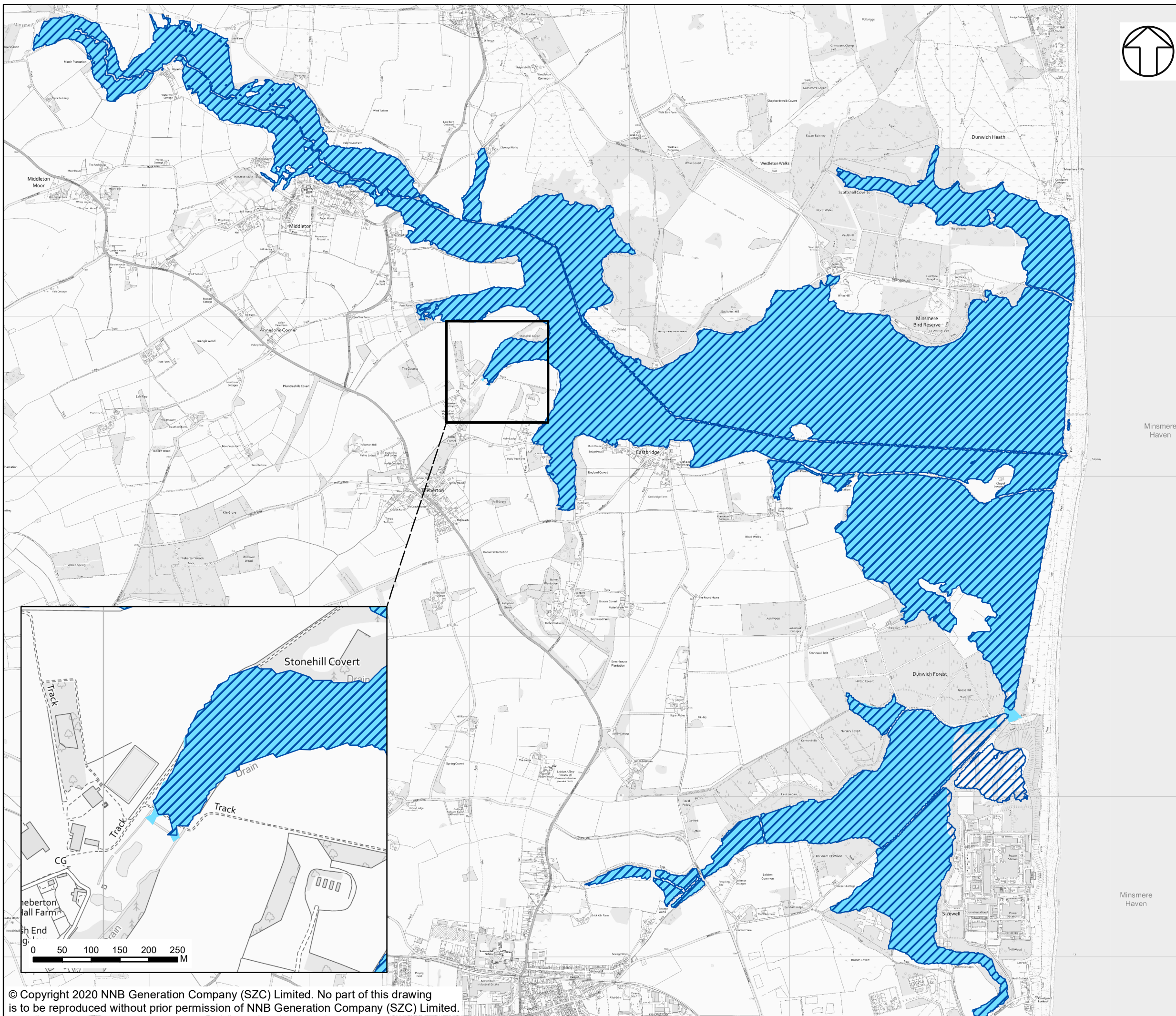
DOCUMENT:
 SIZEWELL C
 MAIN DEVELOPMENT SITE
 FLOOD RISK ASSESSMENT

DRAWING TITLE:
 DIFFERENCE IN TANK TRAPS BREACH
 MODELLED VELOCITY 1 IN 200-YEAR IN 2030

DRAWING NO:
 FIGURE 68

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:25,000 @A3






NOTES

KEY

FLOOD EXTENTS 100 YEAR +35%CC

 **BASELINE FLOOD EXTENT 100 YEAR +35%CC**

 **WITH SCHEME FLOOD EXTENT 100 YEAR +35%CC**

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DOCUMENT:
 SIZEWELL C
 FLOOD RISK ASSESSMENT
 FLUVIAL MODEL RESULTS

DRAWING TITLE:
 DIFFERENCE IN THE MODELLED
 FLUVIAL FLOOD EXTENTS FOR THE
 1 IN 100-YEAR WITH 35% CLIMATE CHANGE

DRAWING NO:
 FIGURE 69

DATE: JAN 2020 **DRAWN:** P.S. **SCALE:** 1:22,500 @A3

