



# The Sizewell C Project

## 6.3 Volume 2 Main Development Site Chapter 19 Groundwater and Surface Water Appendix 19A Groundwater and Surface Water: Numerical Modelling Report Part 3 of 6

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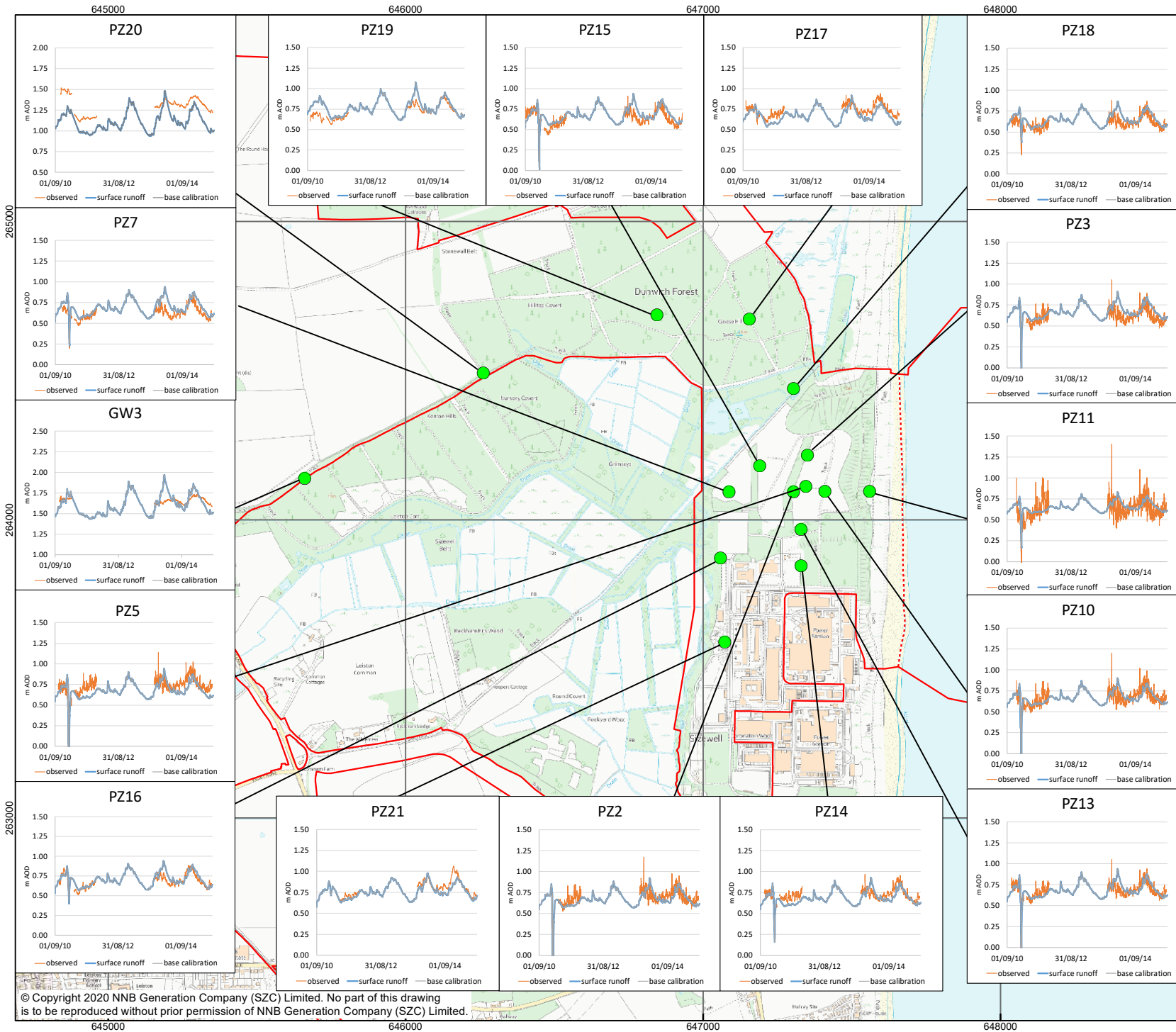
Revision: 1.0  
Applicable Regulation: Regulation 5(2)(a)  
PINS Reference Number: EN010012

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May 2020

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





**NOTES**  
 INITIAL RUN: 130-053C  
 SENSITIVITY RUN: 130-053C\_S8

**KEY**

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE
- CRAG GROUNDWATER BOREHOLES

**NOT PROTECTIVELY MARKED**

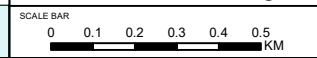
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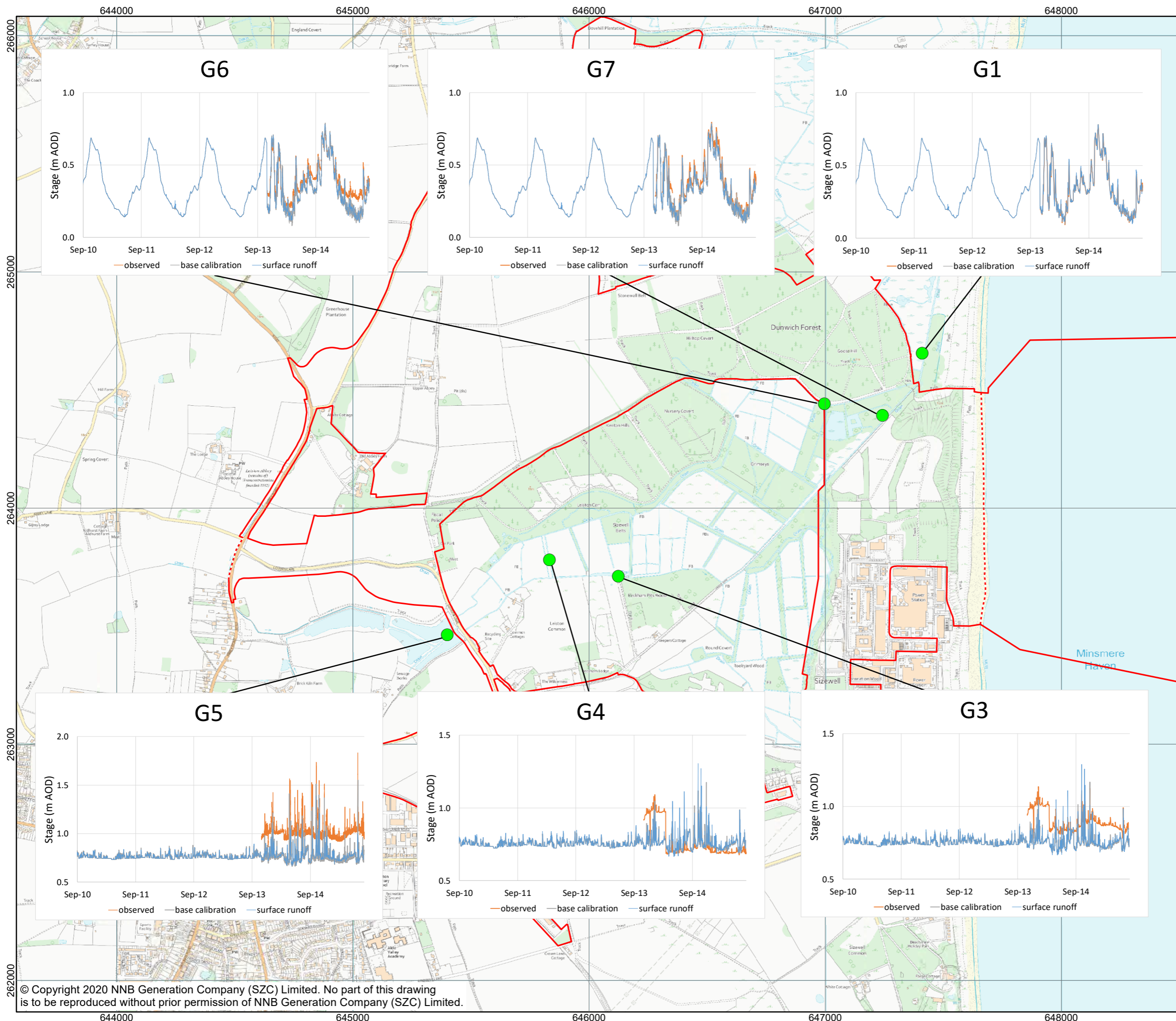
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 VOLUME 2  
 APPENDIX 19A  
 NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
 SENSITIVITY ANALYSIS: EFFECT OF SURFACE RUN-OFF INCLUSION ON MODEL CALIBRATION IN THE SHALLOW CRAG (2010-2015)

**DRAWING NO:** FIGURE 19A.36  
**DATE:** JAN 2020 **DRAWN:** M.S. **SCALE:** 1:12,000 @A3



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**NOTES**

**BASELINE RUNS:**  
130-053c

**SENSITIVITY RUN:**  
130-053c\_S8

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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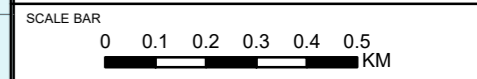


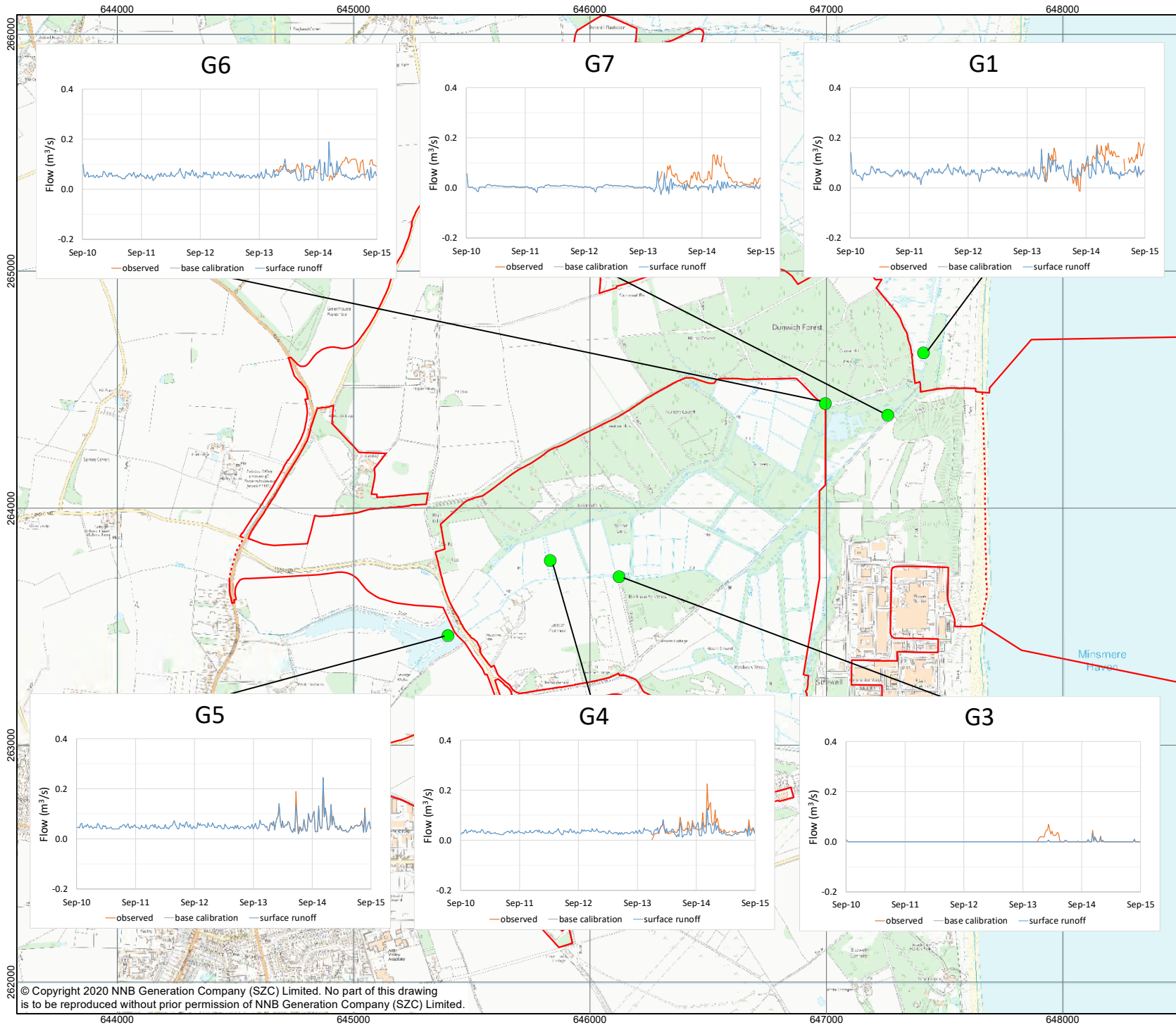
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APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF SURFACE RUN-OFF INCLUSION ON CALIBRATION TO OBSERVED WATER STAGE AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.37

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053C

SENSITIVITY RUN:  
130-053C\_S8

**KEY**

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE
- SURFACE WATER GAUGING LOCATIONS

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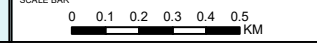


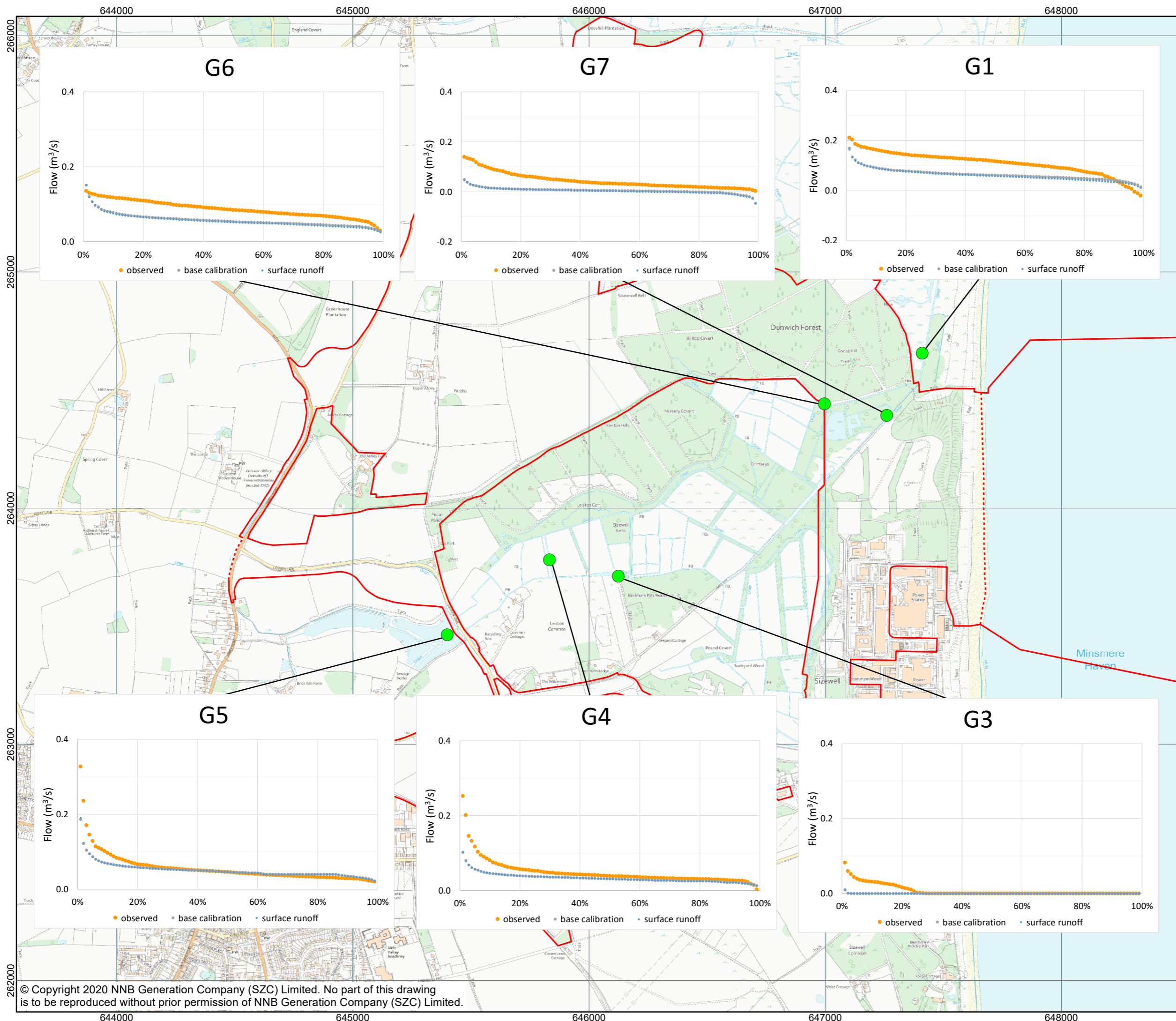
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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

DRAWING TITLE:  
SENSITIVITY ANALYSIS: EFFECT OF SURFACE  
RUN-OFF INCLUSION ON CALIBRATION TO  
OBSERVED WATER FLOW AT STREAM  
GAUGING LOCATIONS (2010-2015)

DRAWING NO:  
FIGURE 19A.38

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S8

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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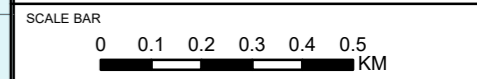


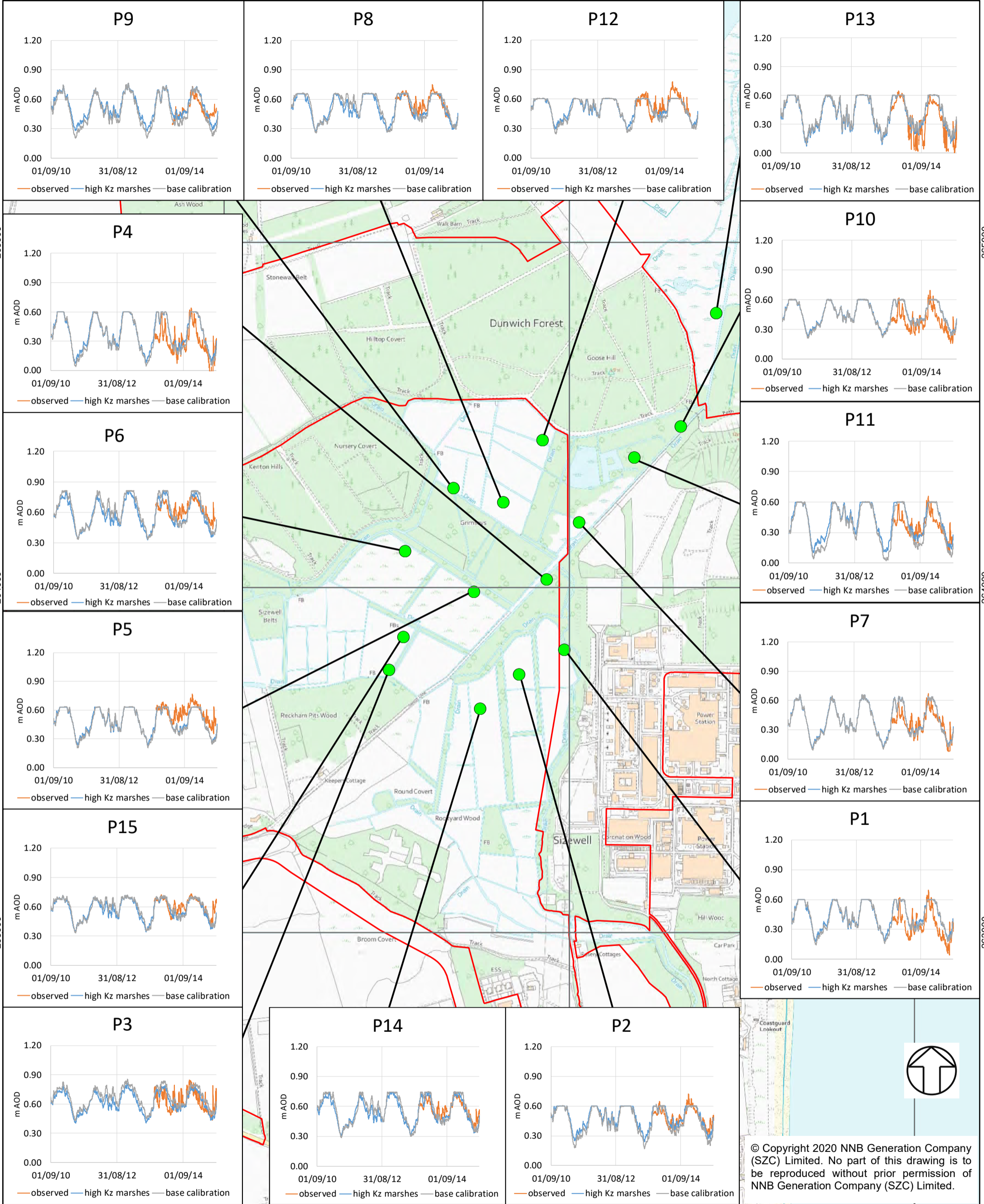
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SENSITIVITY ANALYSIS: EFFECT OF SURFACE RUN-OFF INCLUSION ON CALIBRATION TO OBSERVED WATER FLOW DURATION CURVES AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.39

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3



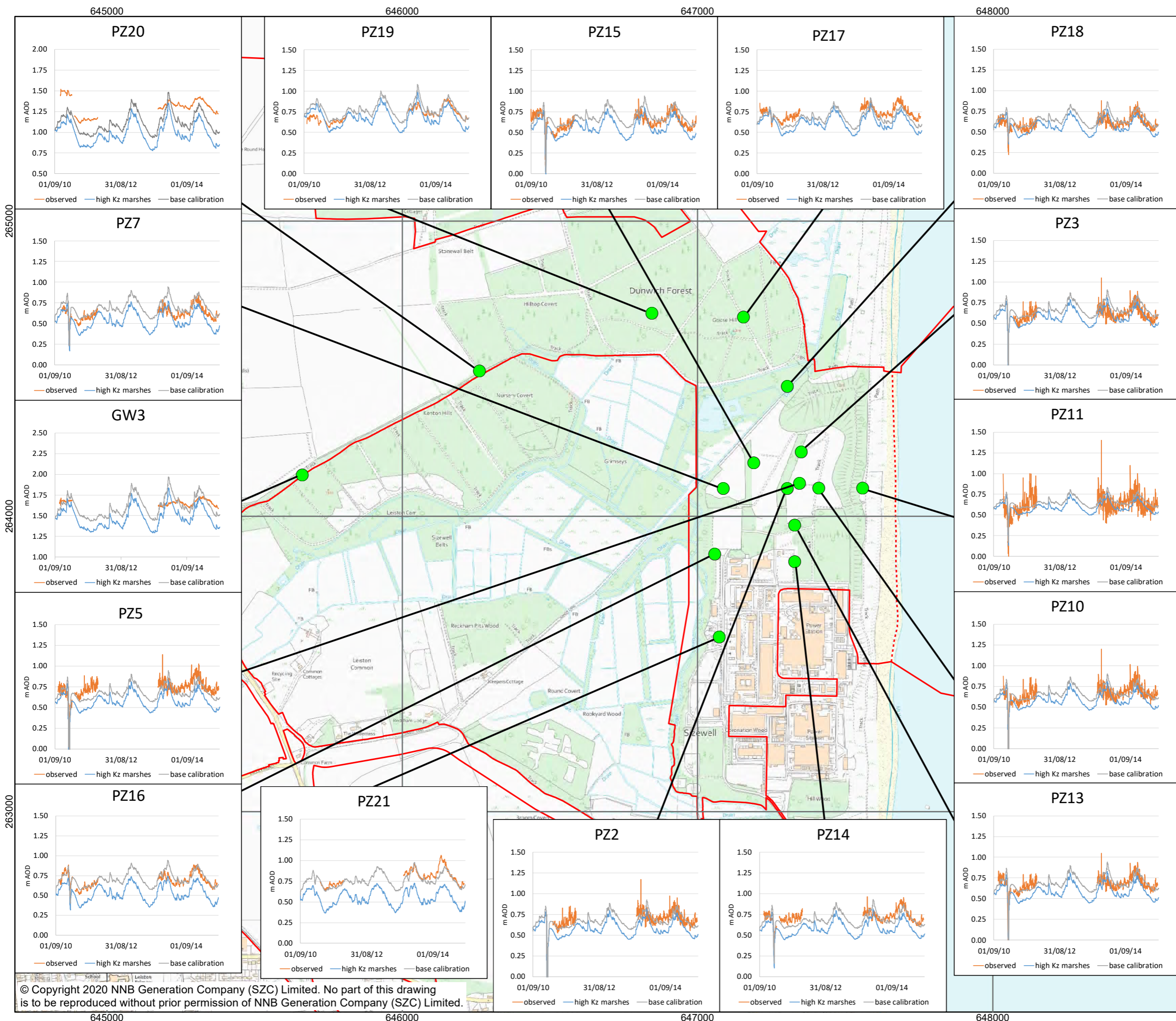


**NOTES**  
 INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S4  
**KEY**  
 ● PEAT MONITORING BOREHOLES  
 — SIZERWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 - - - DEMARCATION LINE  
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 SENSITIVITY ANALYSIS: EFFECT OF INCREASED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZERWELL MARSHES ON MODEL CALIBRATION IN THE PEAT (2010-2015)  
 NOT PROTECTIVELY MARKED  
**DRAWING NO.:**  
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**DATE:**  
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**DRAWN:**  
 M.G.  
**SCALE:**  
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 SIZERWELL C ENVIRONMENTAL STATEMENT VOLUME 2 APPENDIX 19A NUMERICAL MODELLING REPORT  
**SCALE BAR**  
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**NOTES**

INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S4

**KEY**

- CRAG GROUNDWATER BOREHOLES
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

NOT PROTECTIVELY MARKED

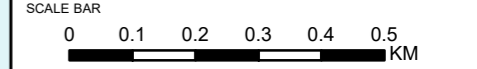
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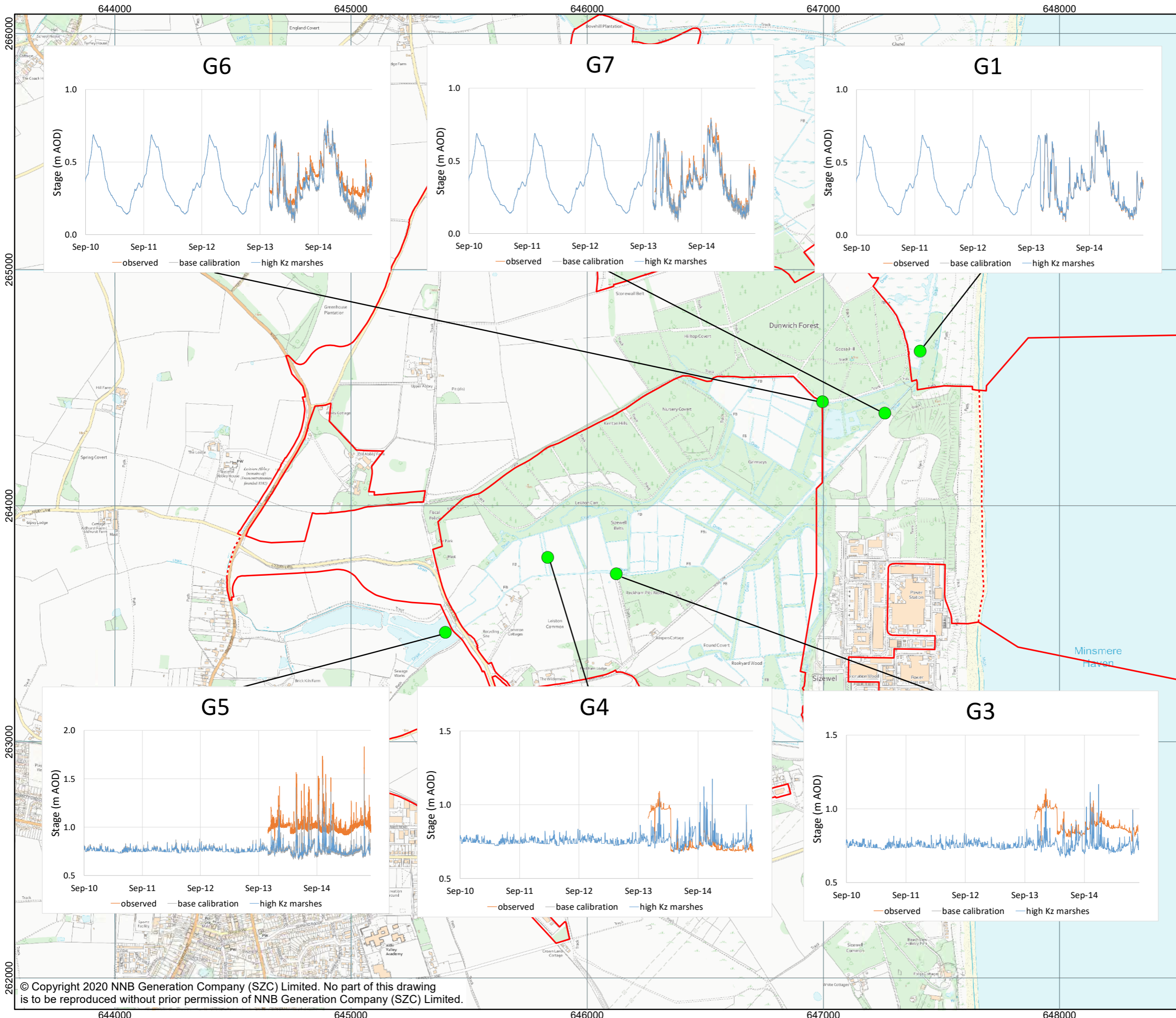
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 SENSITIVITY ANALYSIS: EFFECT OF INCREASED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON MODEL CALIBRATION IN THE SHALLOW CRAG (2010-2015)

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 FIGURE 19A.41  
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**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S4

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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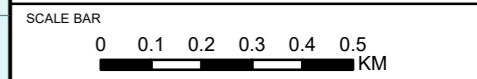


**DOCUMENT:**  
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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

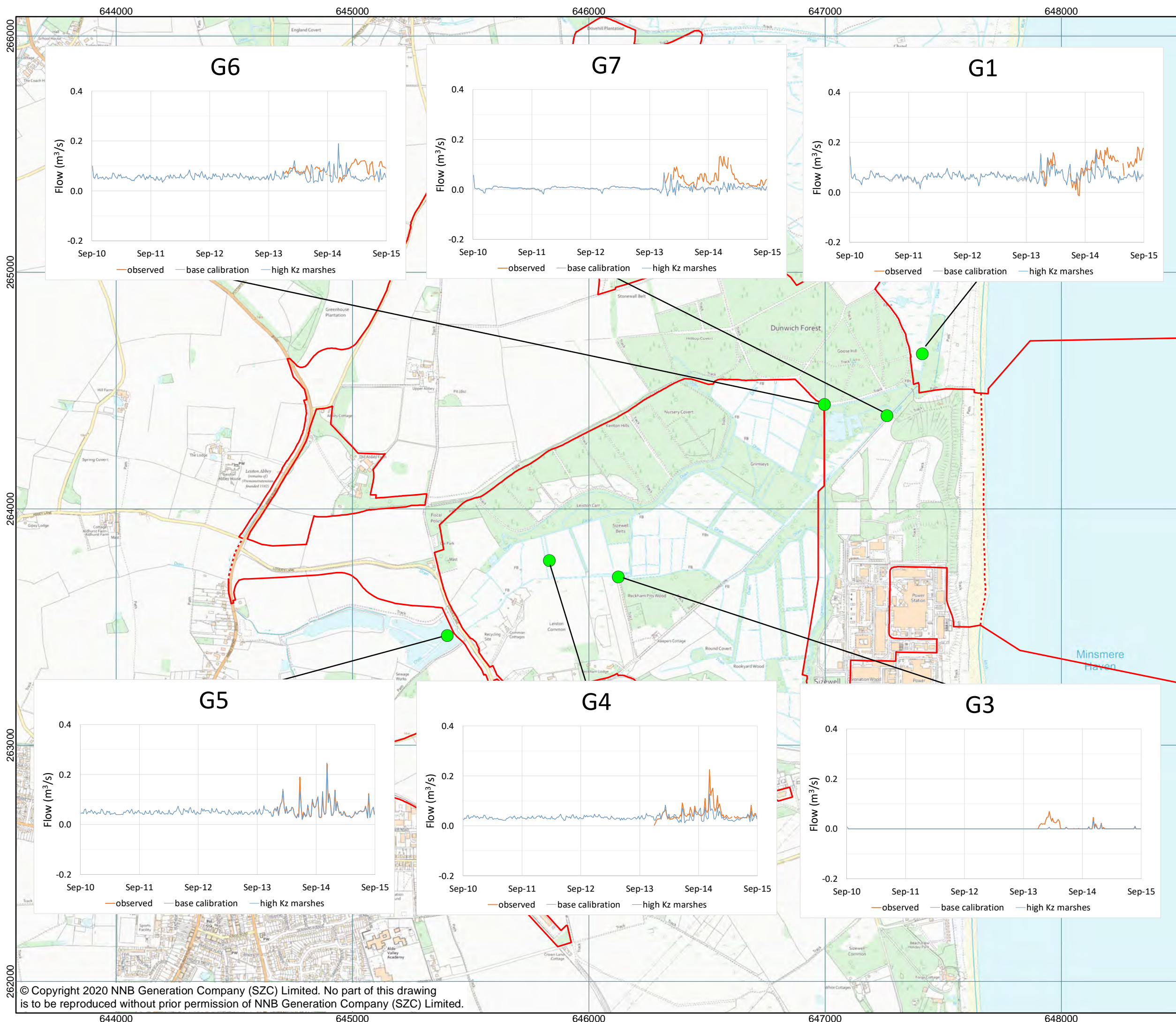
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**DRAWING NO:**  
FIGURE 19A.42

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3







**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S4

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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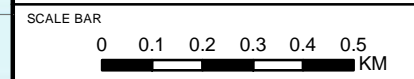


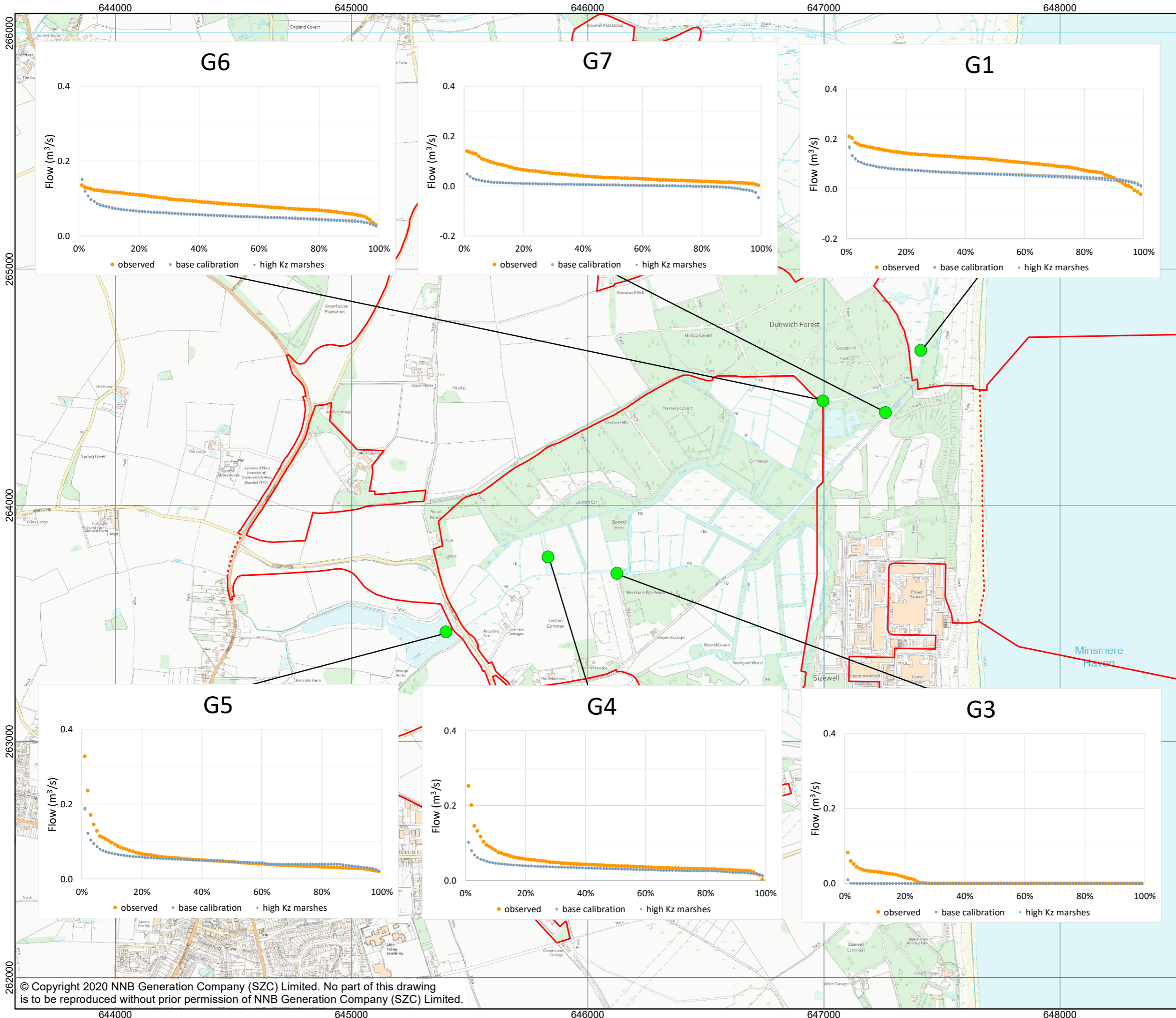
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NUMERICAL MODELLING REPORT

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SENSITIVITY ANALYSIS: EFFECT OF INCREASED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON CALIBRATION TO OBSERVED WATER FLOW AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.43

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S4

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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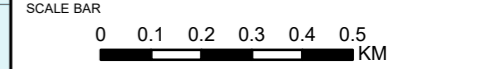


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ENVIRONMENTAL STATEMENT  
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NUMERICAL MODELLING REPORT

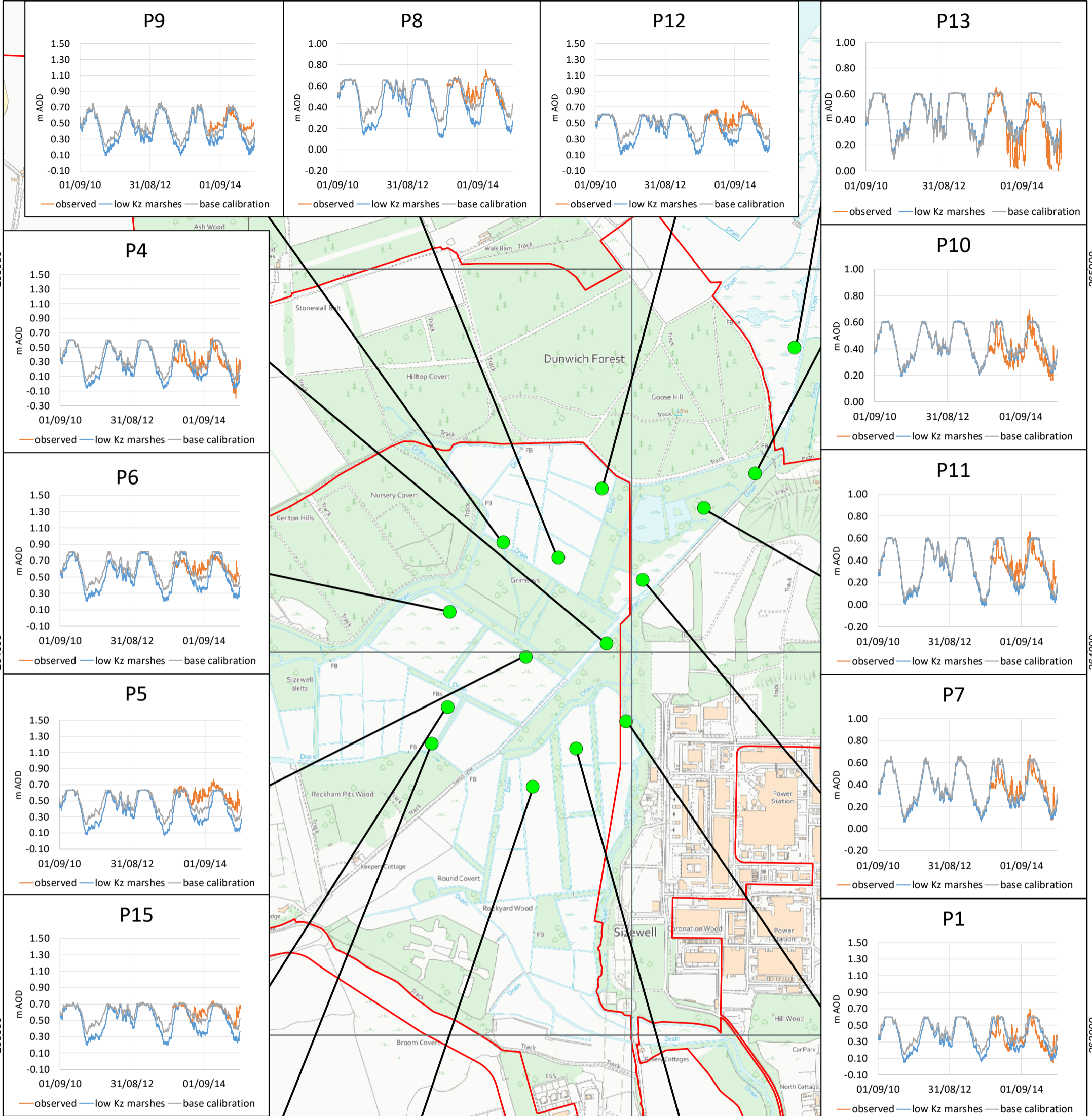
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DRAWING NO:  
FIGURE 19A.44

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3



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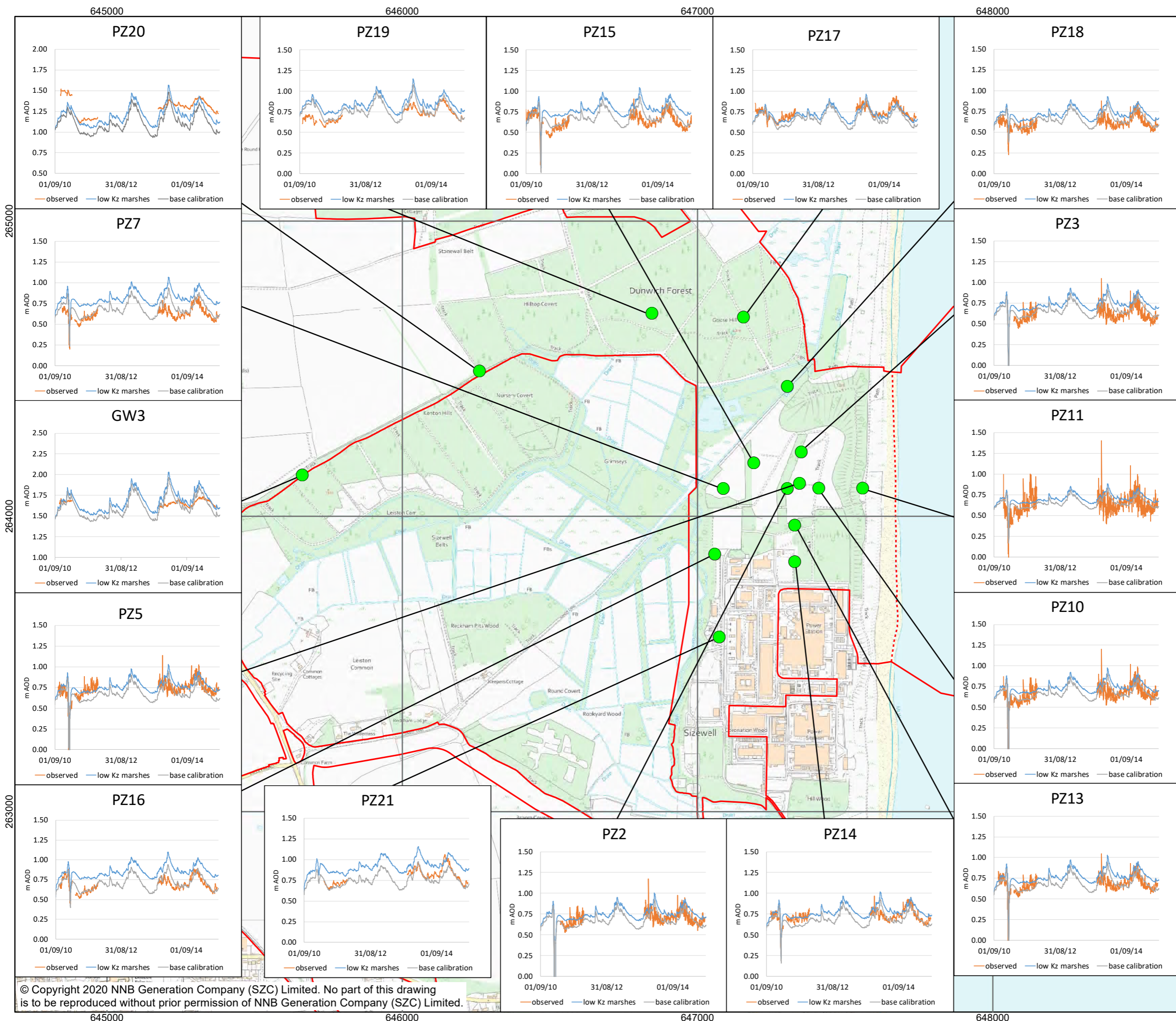
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 SENSITIVITY RUN: 130-053c\_S5  
 KEY  
 ● PEAT GROUNDWATER BOREHOLES  
 — SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 - - - DEMARCATION LINE  
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 SENSITIVITY ANALYSIS: EFFECT OF REDUCED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON MODEL CALIBRATION IN THE PEAT (2010-2015)  
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 FIGURE 19A.45  
 DATE:  
 JAN 2020  
 DRAWN:  
 M.G.  
 SCALE:  
 1:10,000 @A3

DOCUMENT:  
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 SCALE BAR  
 0 0.1 0.2 0.3 0.4 0.5 KM

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**NOTES**

INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S5

**KEY**

- CRAG GROUNDWATER BOREHOLES
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE



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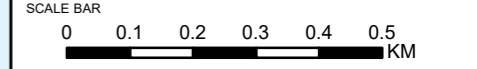


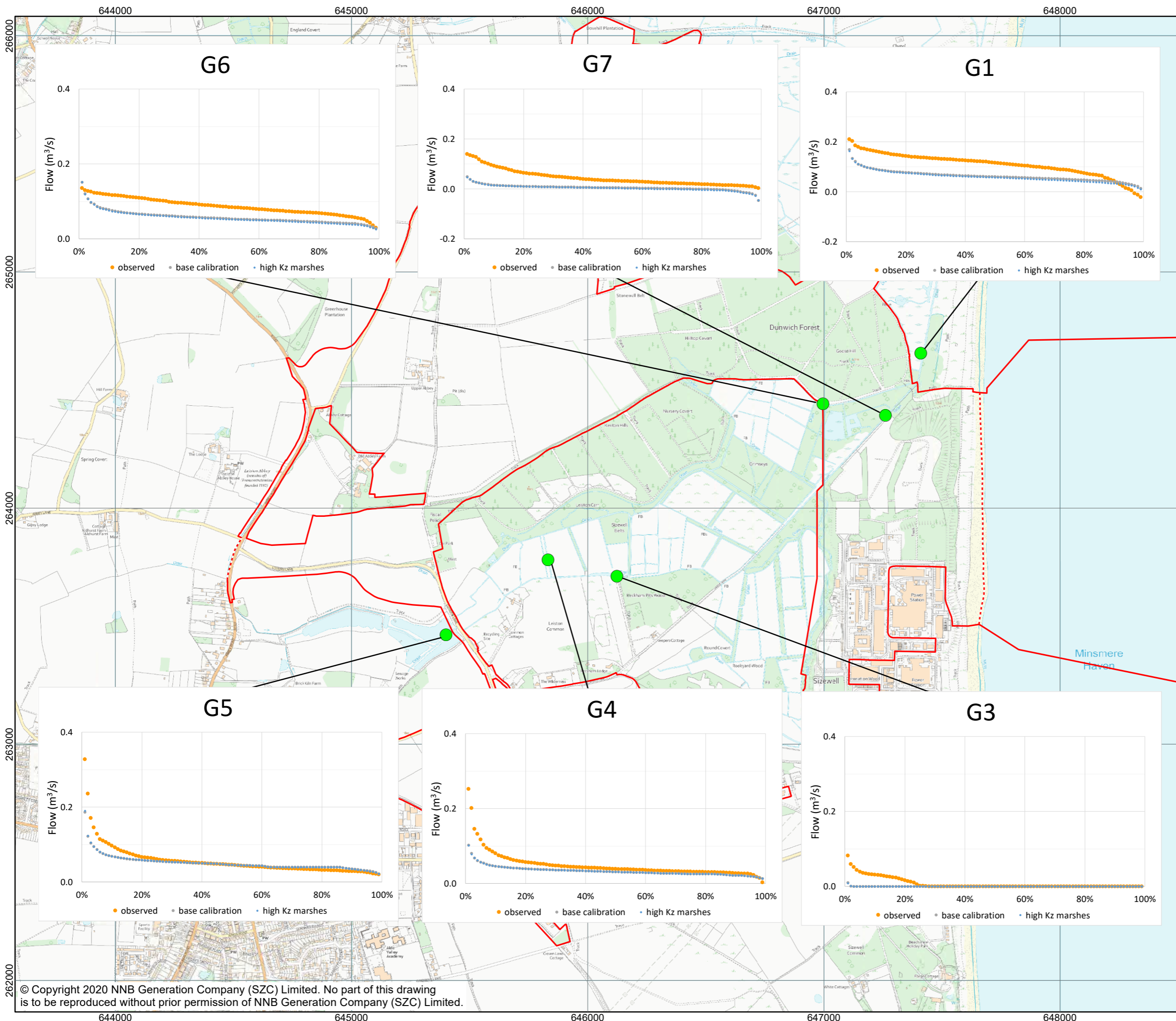
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 SENSITIVITY ANALYSIS: EFFECT OF REDUCED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON MODEL CALIBRATION IN THE SHALLOW CRAG (2010-2015)

**DRAWING NO:**  
 FIGURE 19A.46

**DATE:** JAN 2020      **DRAWN:** M.G.      **SCALE:** 1:12,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S4

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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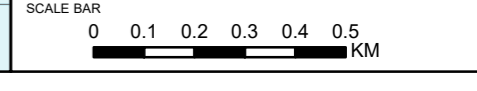


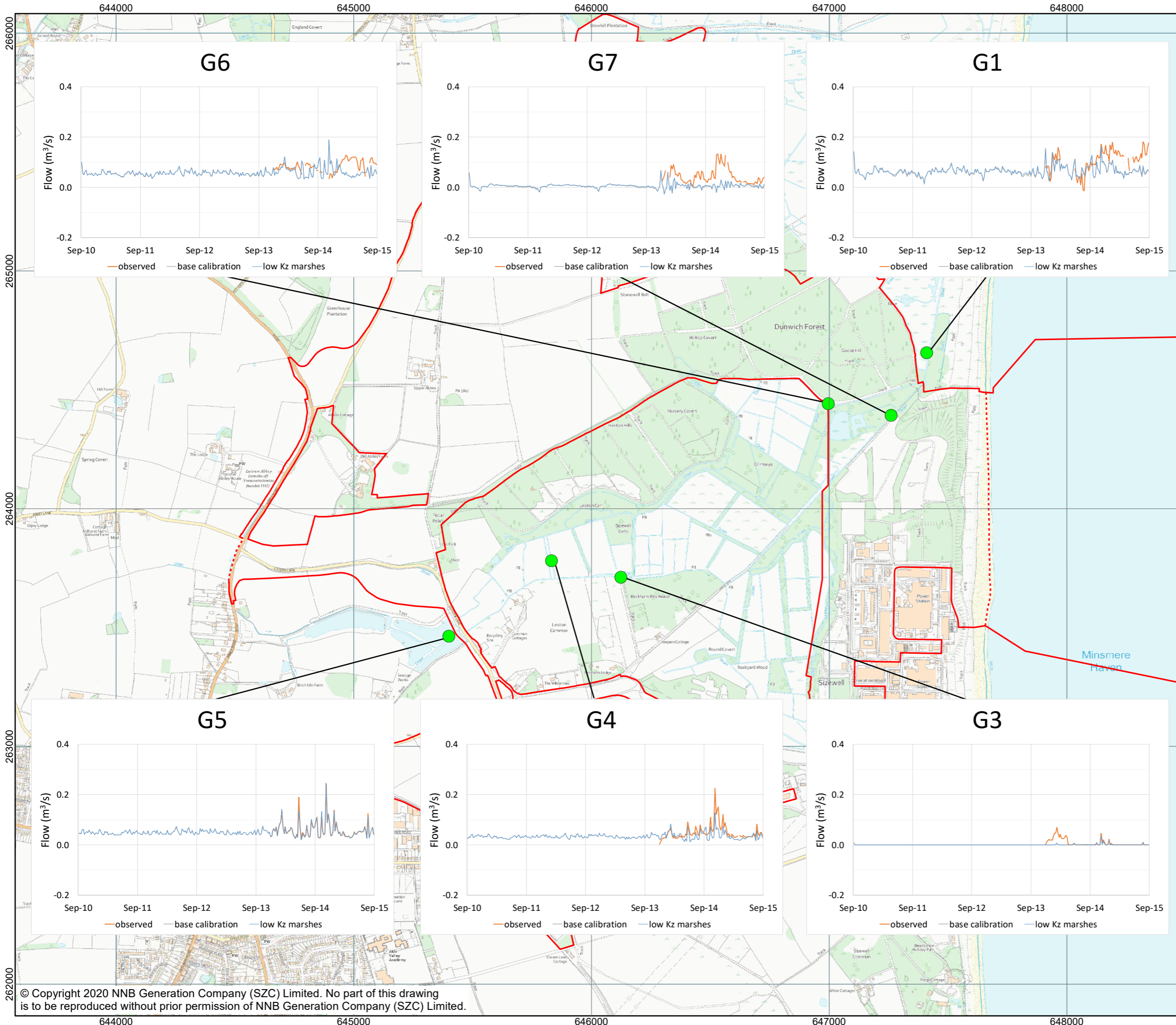
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SENSITIVITY ANALYSIS: EFFECT OF INCREASED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON CALIBRATION TO OBSERVED WATER FLOW DURATION CURVES AT STREAM GAUGING LOCATIONS (2010-2015)

DRAWING NO:  
FIGURE 19A.47

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S5

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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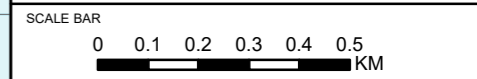


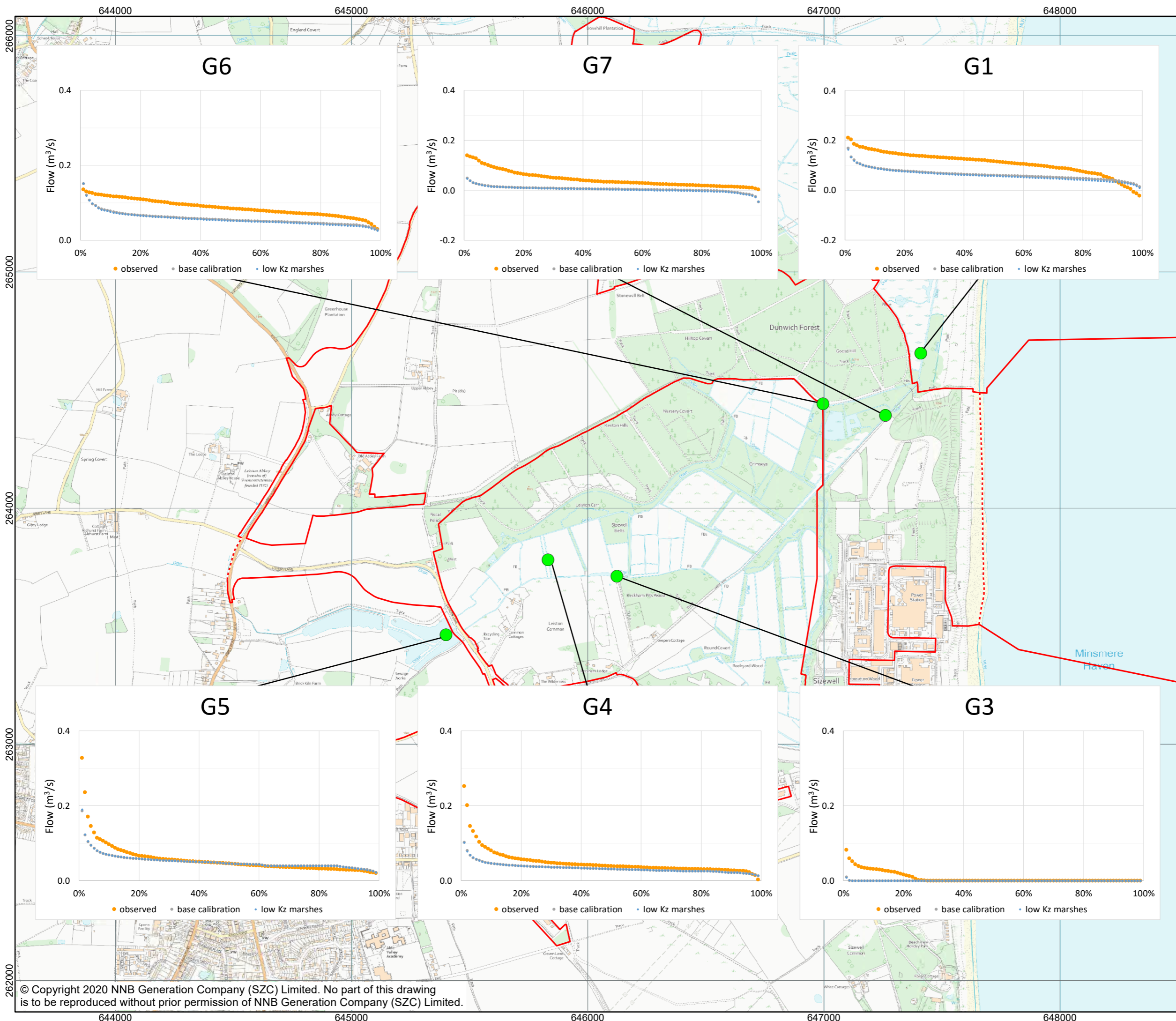
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APPENDIX 19A  
NUMERICAL MODELLING REPORT

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**DRAWING NO:**  
FIGURE 19A.48

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S5

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE



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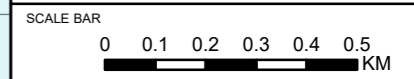


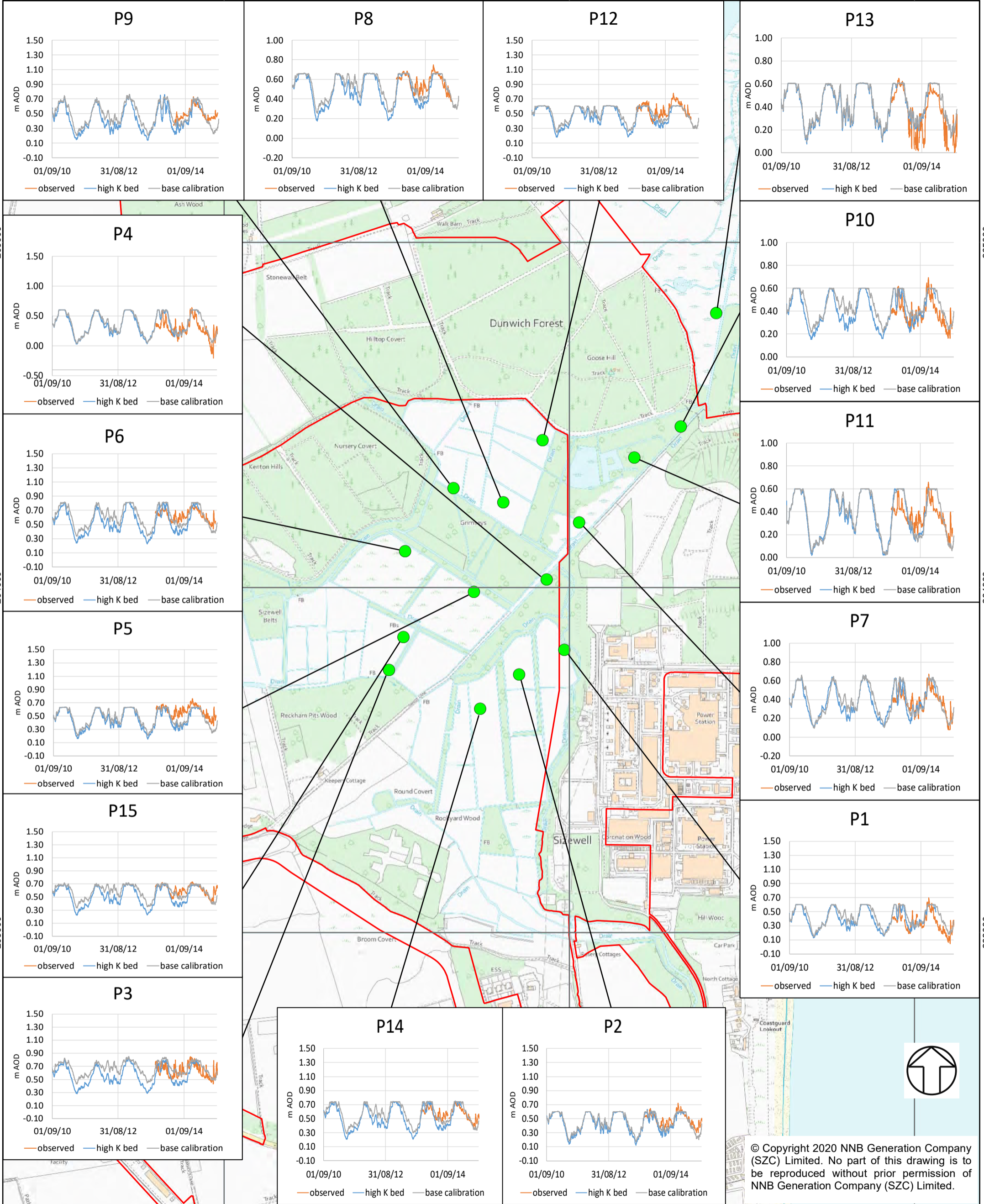
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**DRAWING NO:**  
FIGURE 19A.49

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**  
 INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S7  
**KEY**  
 ● PEAT MONITORING BOREHOLES  
 — SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 - - - DEMARCATION LINE  
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**DRAWING NO:**  
 FIGURE 19A.50

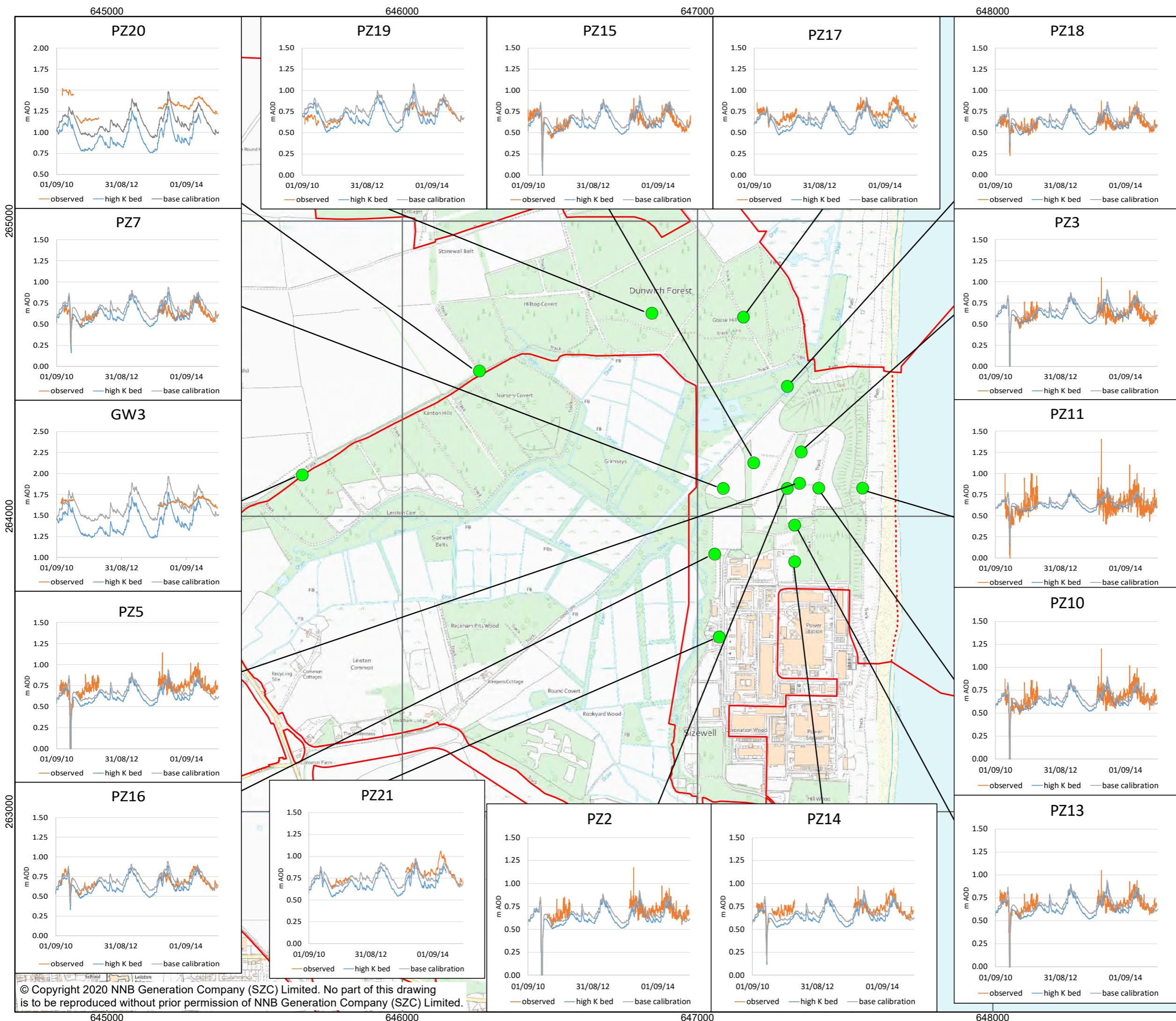
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**SCALE BAR**  
 0 0.1 0.2 0.3 0.4 0.5 KM

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**NOTES**

INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S7

**KEY**

- CRAG GROUNDWATER BOREHOLES
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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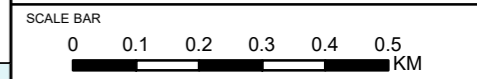


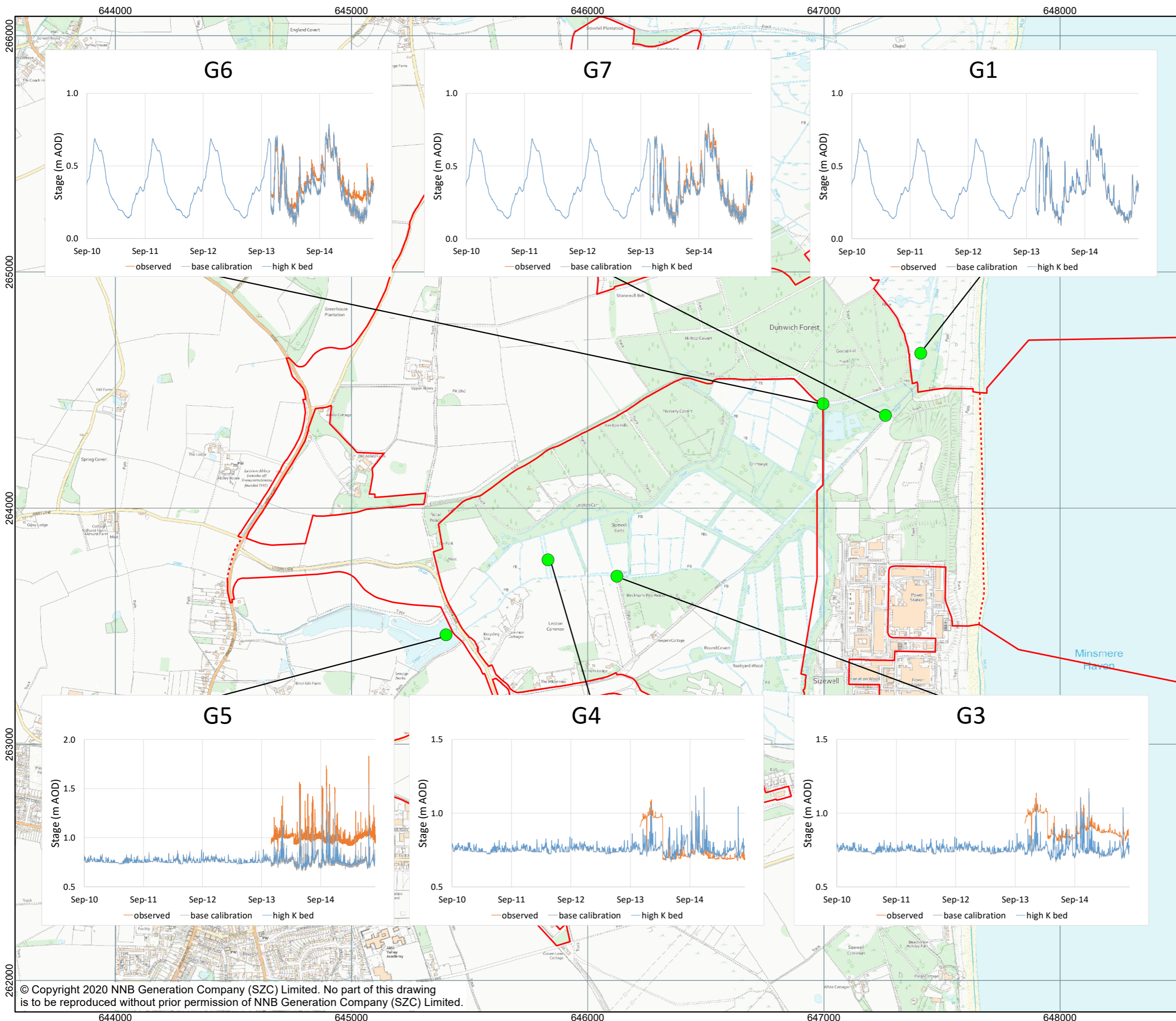
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 CALIBRATION IN THE SHALLOW CRAG (2010-2015)

**DRAWING NO:**  
 FIGURE 19A.51

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:12,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SSENSITIVITY RUN:  
130-053c\_S7

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
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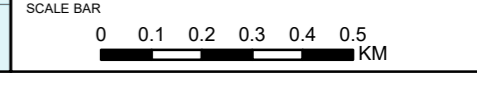


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ENVIRONMENTAL STATEMENT  
VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

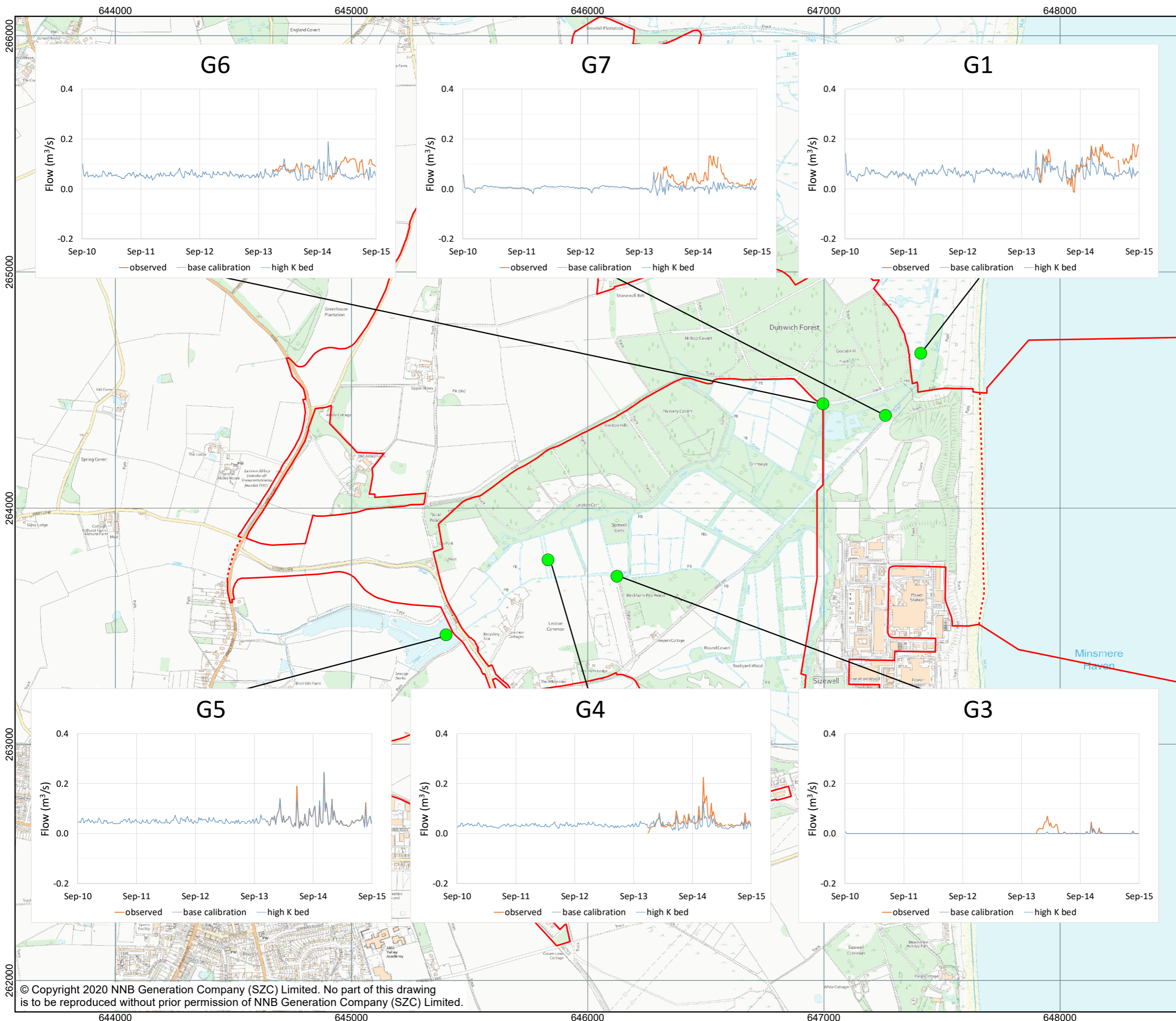
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SENSITIVITY ANALYSIS: EFFECT OF INCREASED  
STREAM BED CONDUCTANCE ON CALIBRATION  
TO OBSERVED WATER STAGE AT STREAM  
GAUGING LOCATIONS (2010-2015)

DRAWING NO:  
FIGURE 19A.52

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3



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**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S7

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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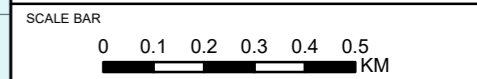


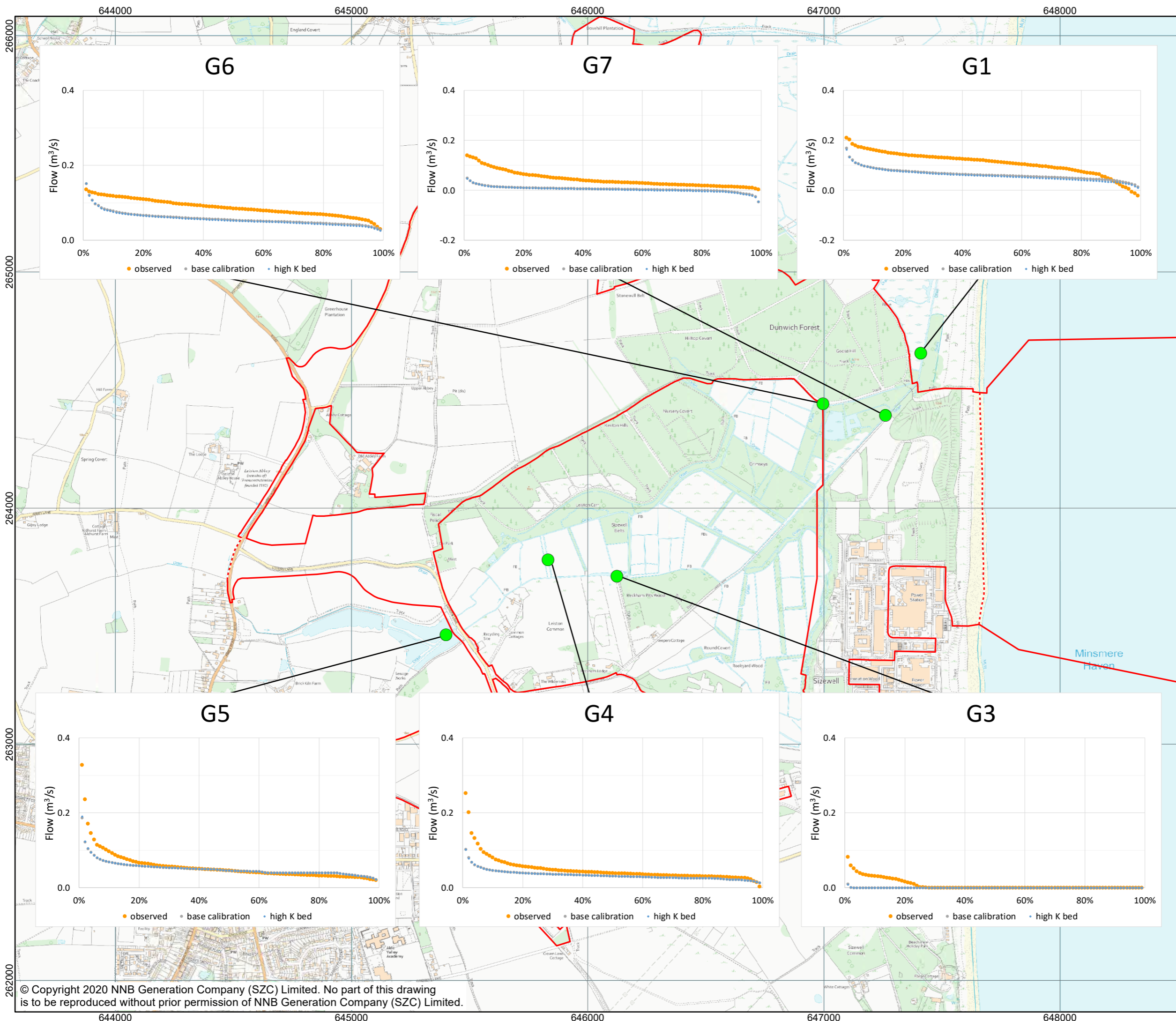
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ENVIRONMENTAL STATEMENT  
VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF INCREASED STREAM BED CONDUCTANCE ON CALIBRATION TO OBSERVED WATER FLOW AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.53

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S7

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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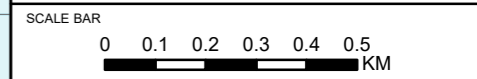


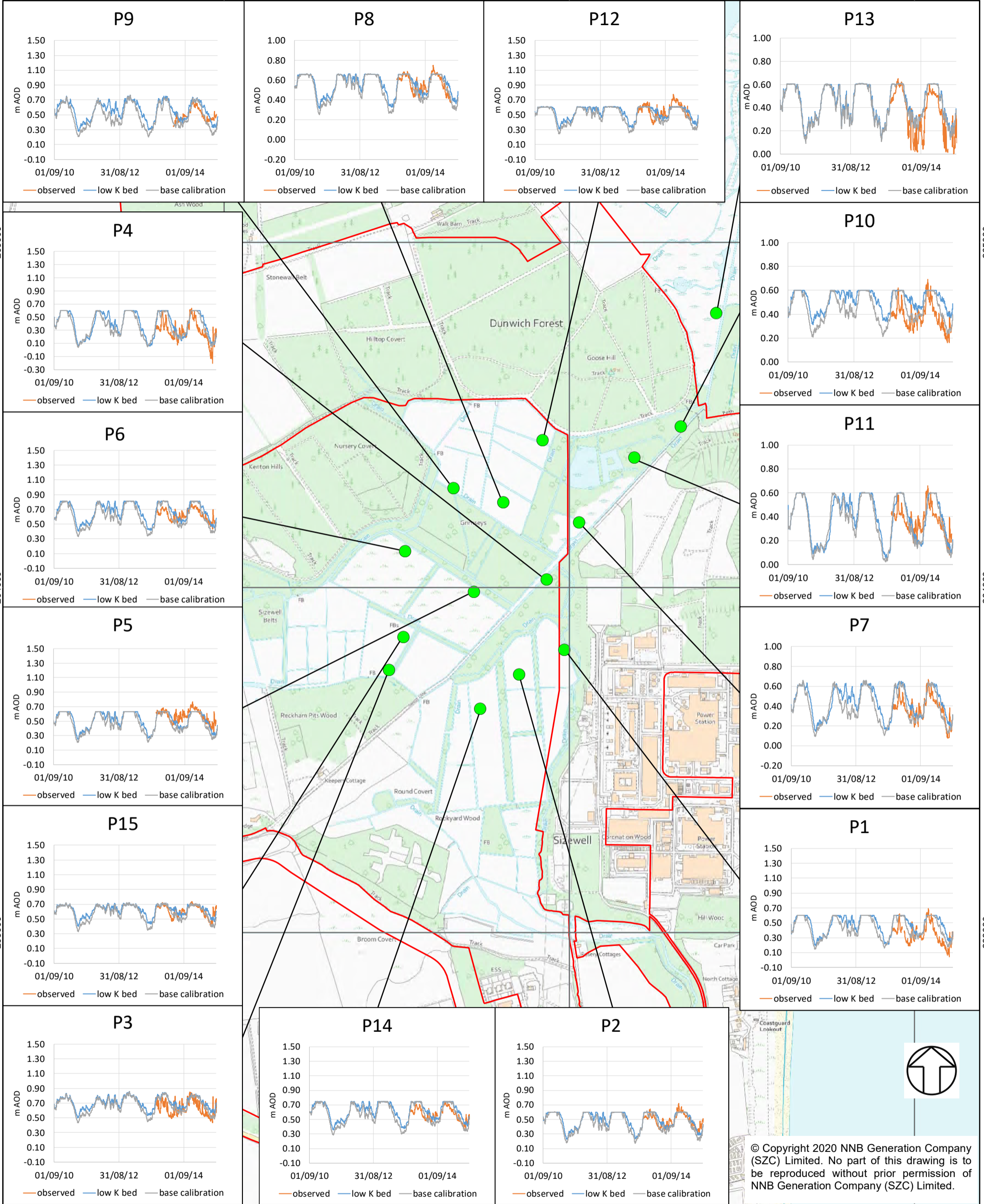
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**DRAWING TITLE:**  
 SENSITIVITY ANALYSIS: EFFECT OF INCREASED STREAM BED CONDUCTANCE ON CALIBRATION TO OBSERVED WATER FLOW DURATION CURVES AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
 FIGURE 19A.54

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3





**NOTES**  
 INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S6  
**KEY**  
 ● PEAT GROUNDWATER BOREHOLES  
 — SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 - - - DEMARCATION LINE  
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**DRAWING TITLE:**  
 SENSITIVITY ANALYSIS: EFFECT OF REDUCED STREAM BED CONDUCTANCE ON MODEL CALIBRATION IN THE PEAT (2010-2015)

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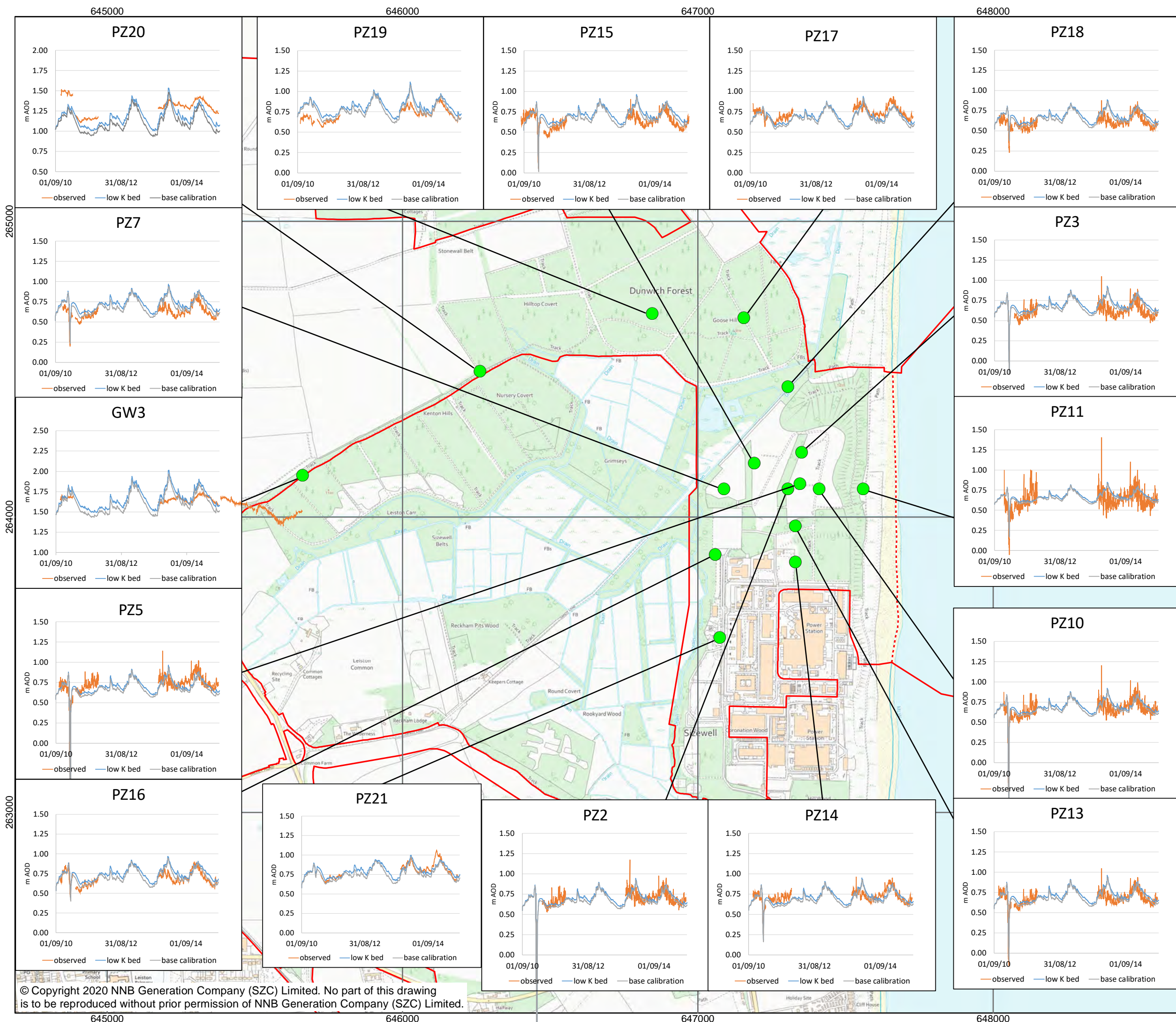
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**DATE:** JAN 2020  
**DRAWN:** M.S.  
**SCALE:** 1:10,000 @A3

**DOCUMENT:**  
 SIZEWELL C ENVIRONMENTAL STATEMENT VOLUME 2 APPENDIX 19A NUMERICAL MODELLING REPORT

**SCALE BAR**  
 0 0.1 0.2 0.3 0.4 0.5 KM

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**NOTES**

INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S6

**KEY**

- CRAG GROUNDWATER BOREHOLES
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE



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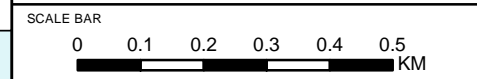


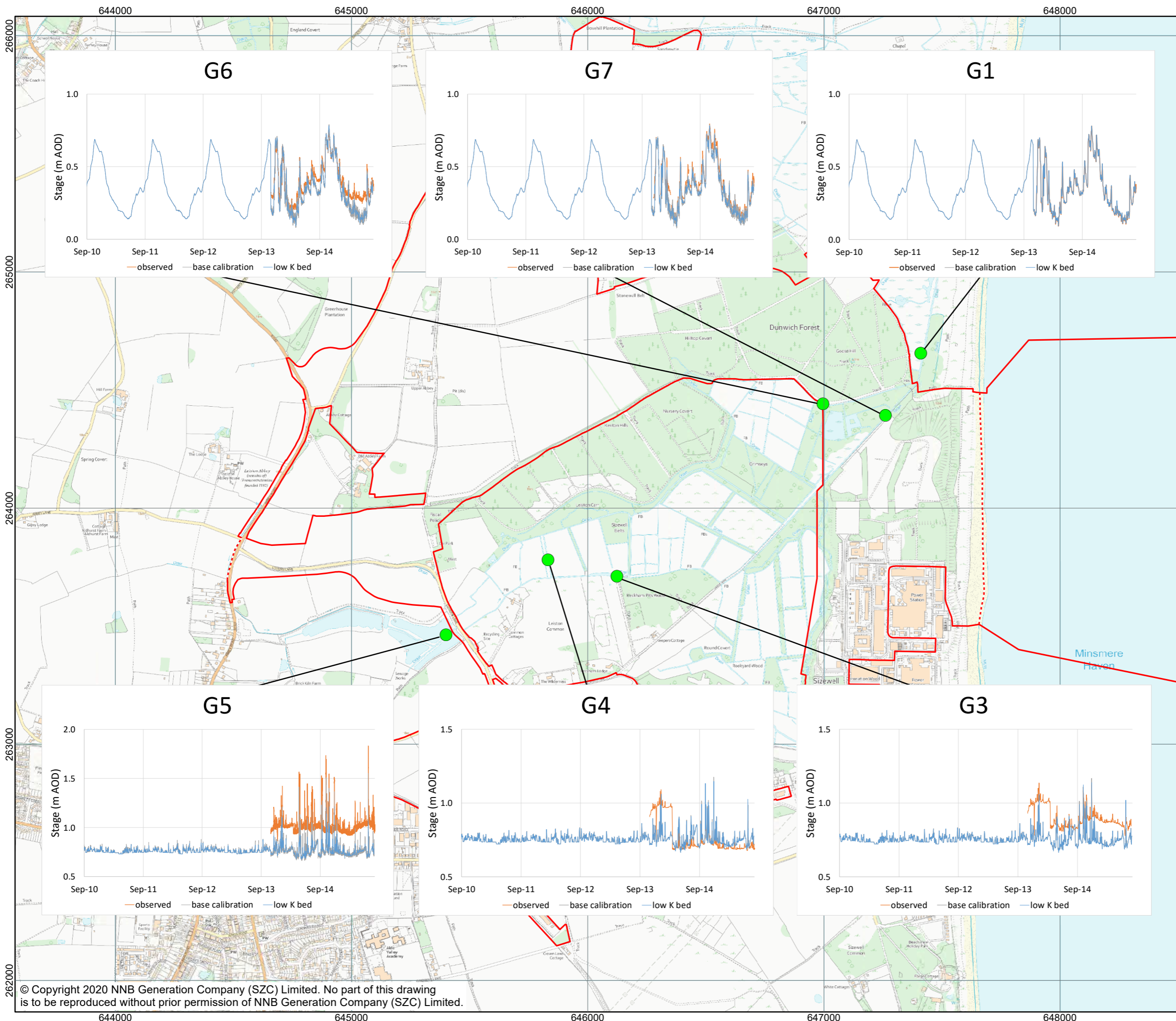
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 VOLUME 2  
 APPENDIX 19A  
 NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
 SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
 STREAM BED CONDUCTANCE ON MODEL  
 CALIBRATION IN THE SHALLOW CRAG (2010-2015)

**DRAWING NO:**  
 FIGURE 19A.56

**DATE:** JAN 2020    **DRAWN:** M.S.    **SCALE:** 1:12,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S6

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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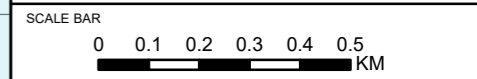


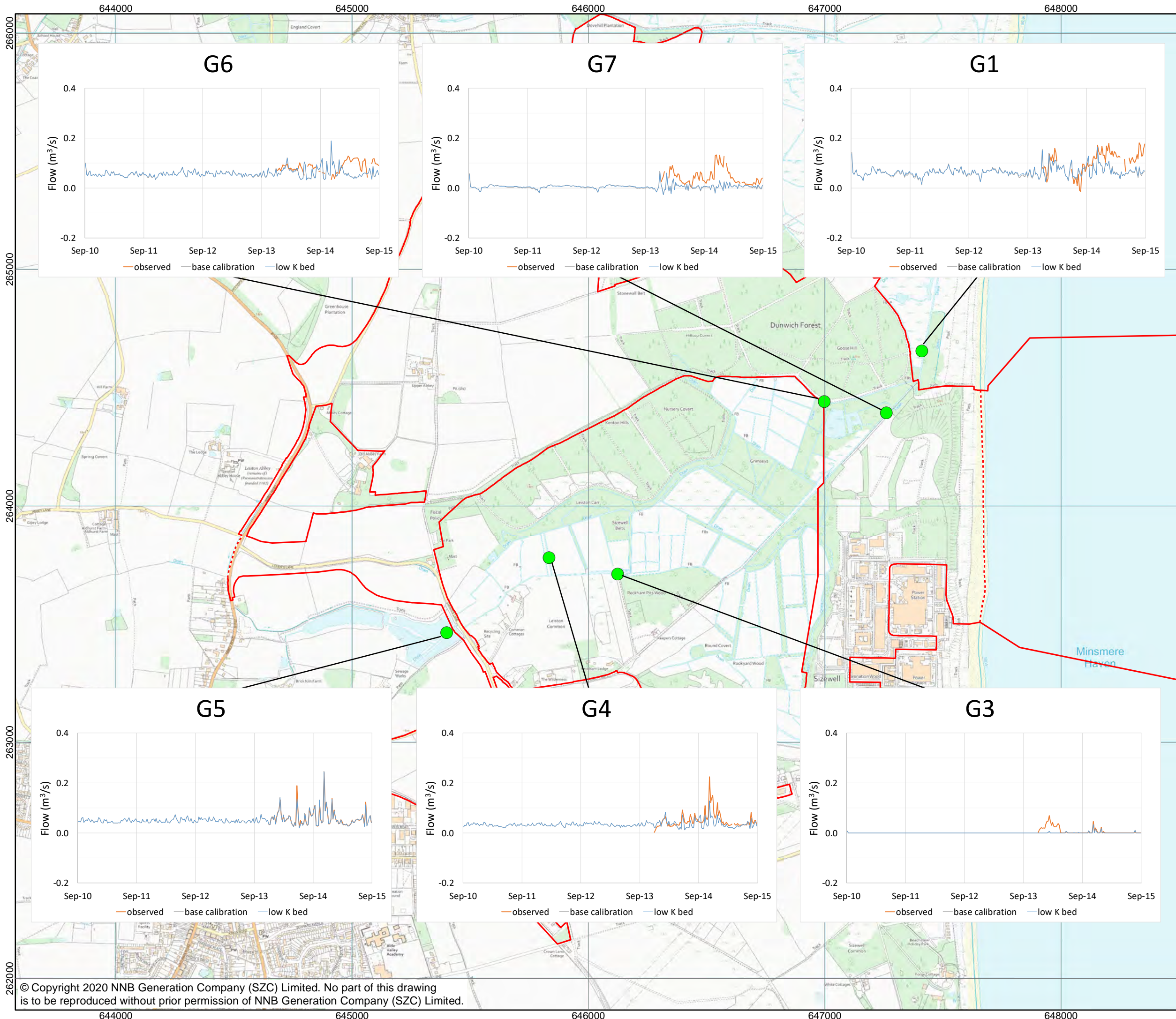
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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
STREAM BED CONDUCTANCE ON  
CALIBRATION TO OBSERVED WATER STAGE  
AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.57

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN  
130-053c\_S6

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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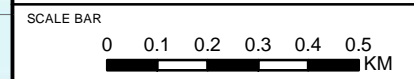


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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

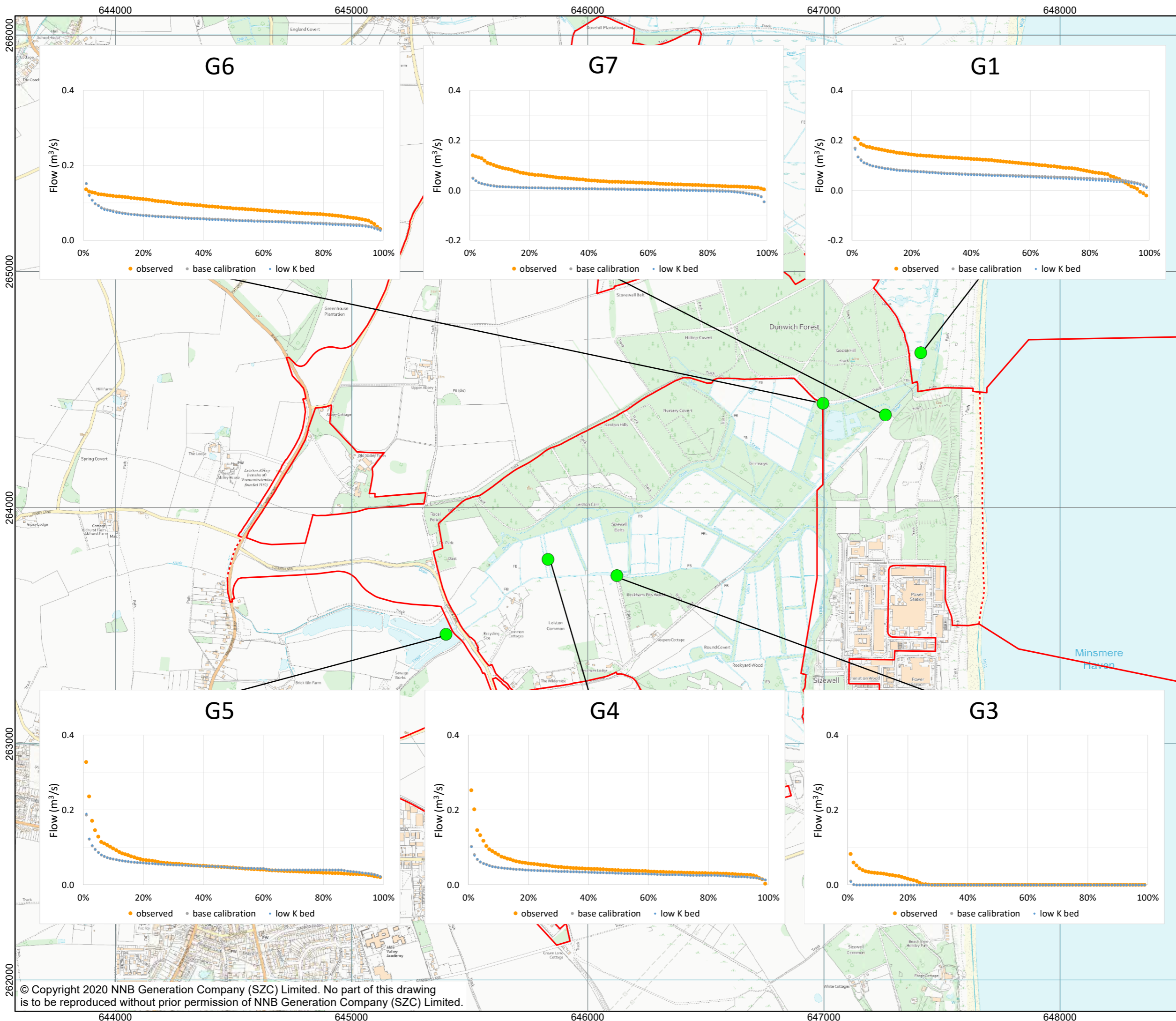
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STREAM BED CONDUCTANCE ON  
CALIBRATION TO OBSERVED WATER FLOW AT  
STREAM GAUGING LOCATIONS (2010-2015)

DRAWING NO:  
FIGURE 19A.58

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3







**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S6

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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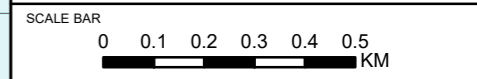


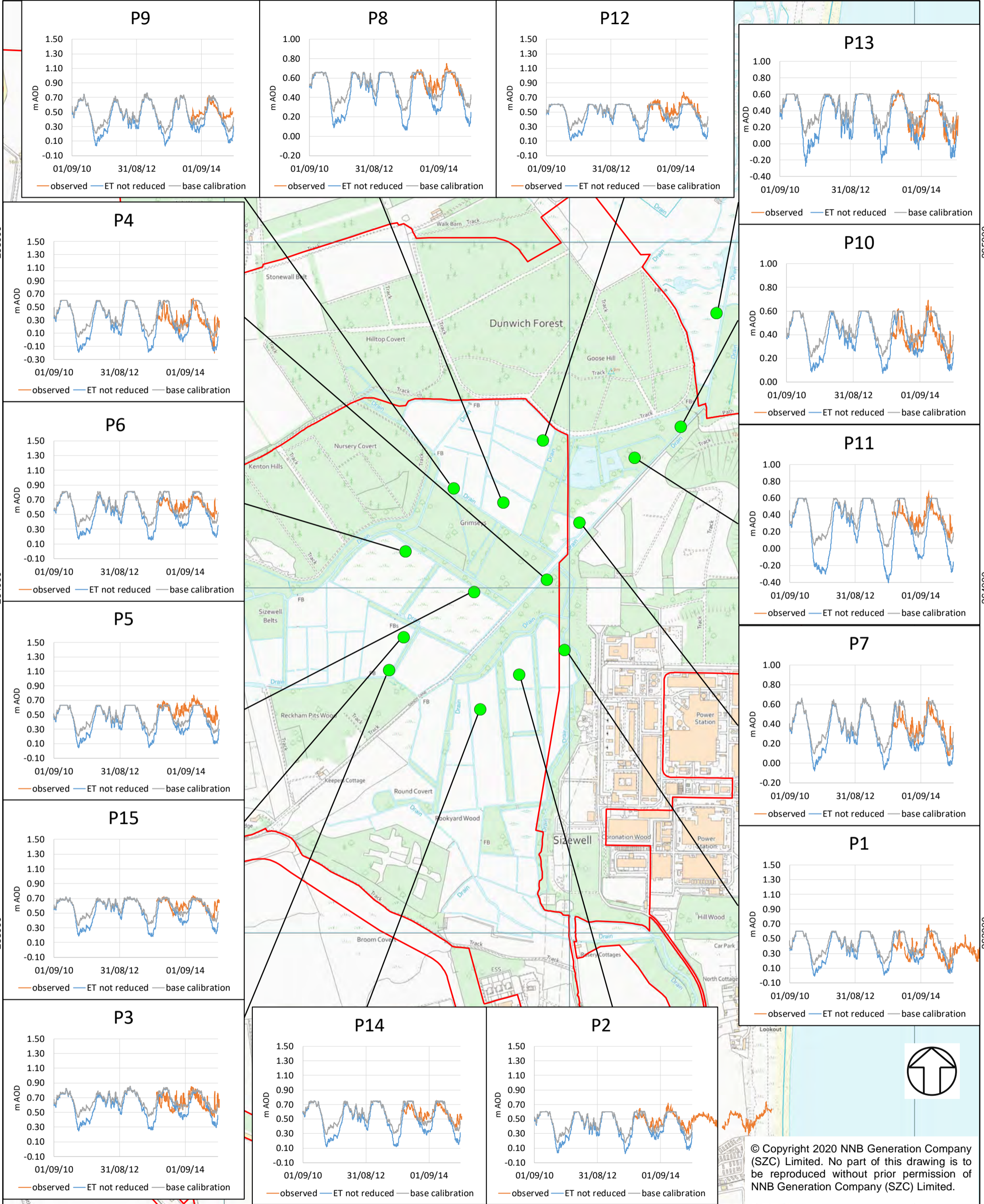
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APPENDIX 19A  
NUMERICAL MODELLING REPORT

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SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
STREAM BED CONDUCTANCE ON CALIBRATION  
TO OBSERVED WATER FLOW DURATION CURVES  
AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.59

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**  
 INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S2  
**KEY**  
 ● PEAT GROUNDWATER BOREHOLES  
 — SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 - - - DEMARCATION LINE  
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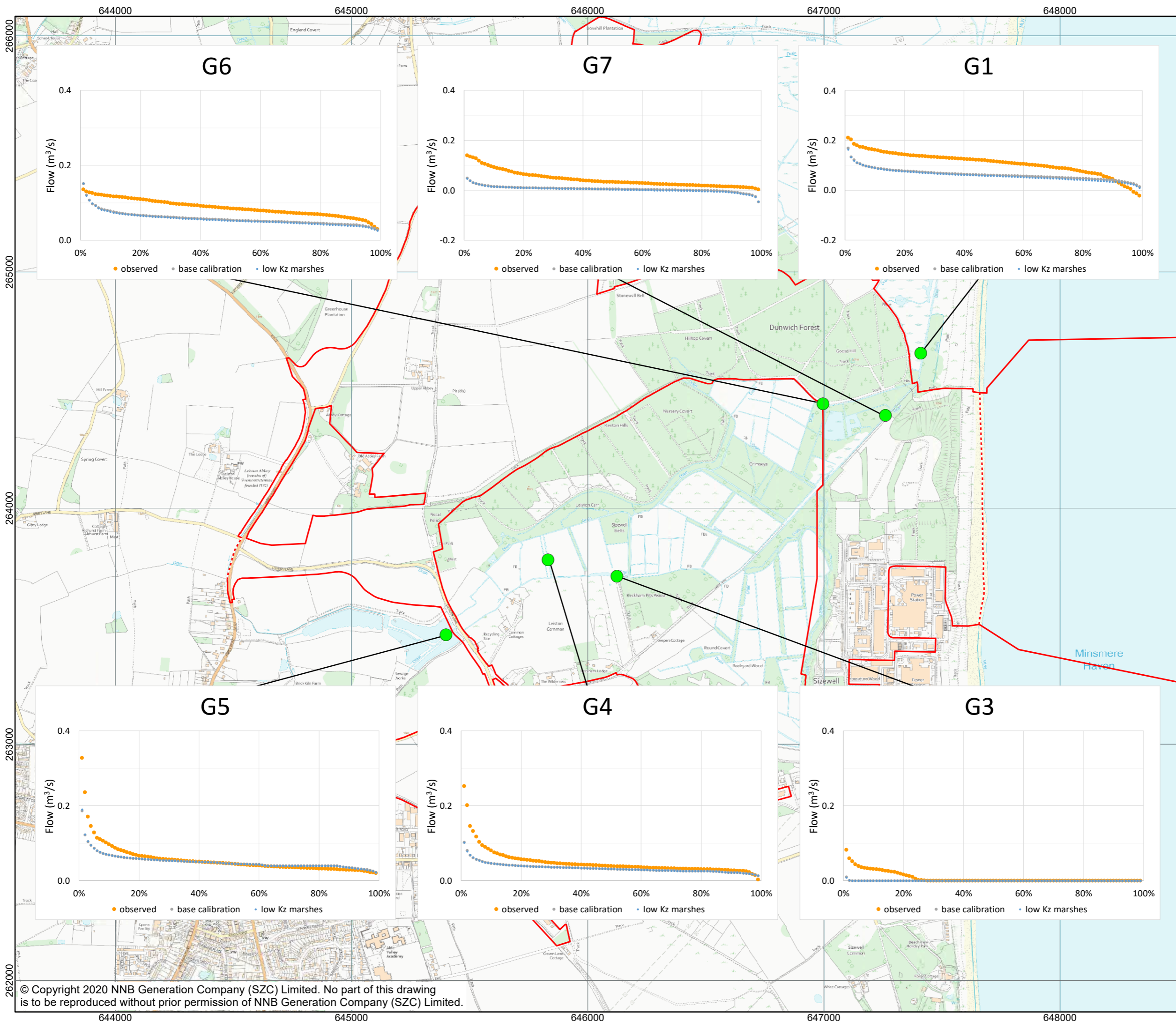
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**DATE:** JAN 2020  
**DRAWN:** M.G.  
**SCALE:** 1:10,000 @A3

**DOCUMENT:**  
 SIZEWELL C ENVIRONMENTAL STATEMENT VOLUME 2 APPENDIX 19A NUMERICAL MODELLING REPORT

**SCALE BAR**  
 0 0.1 0.2 0.3 0.4 0.5 KM

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**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S5

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE



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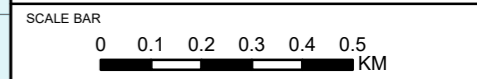


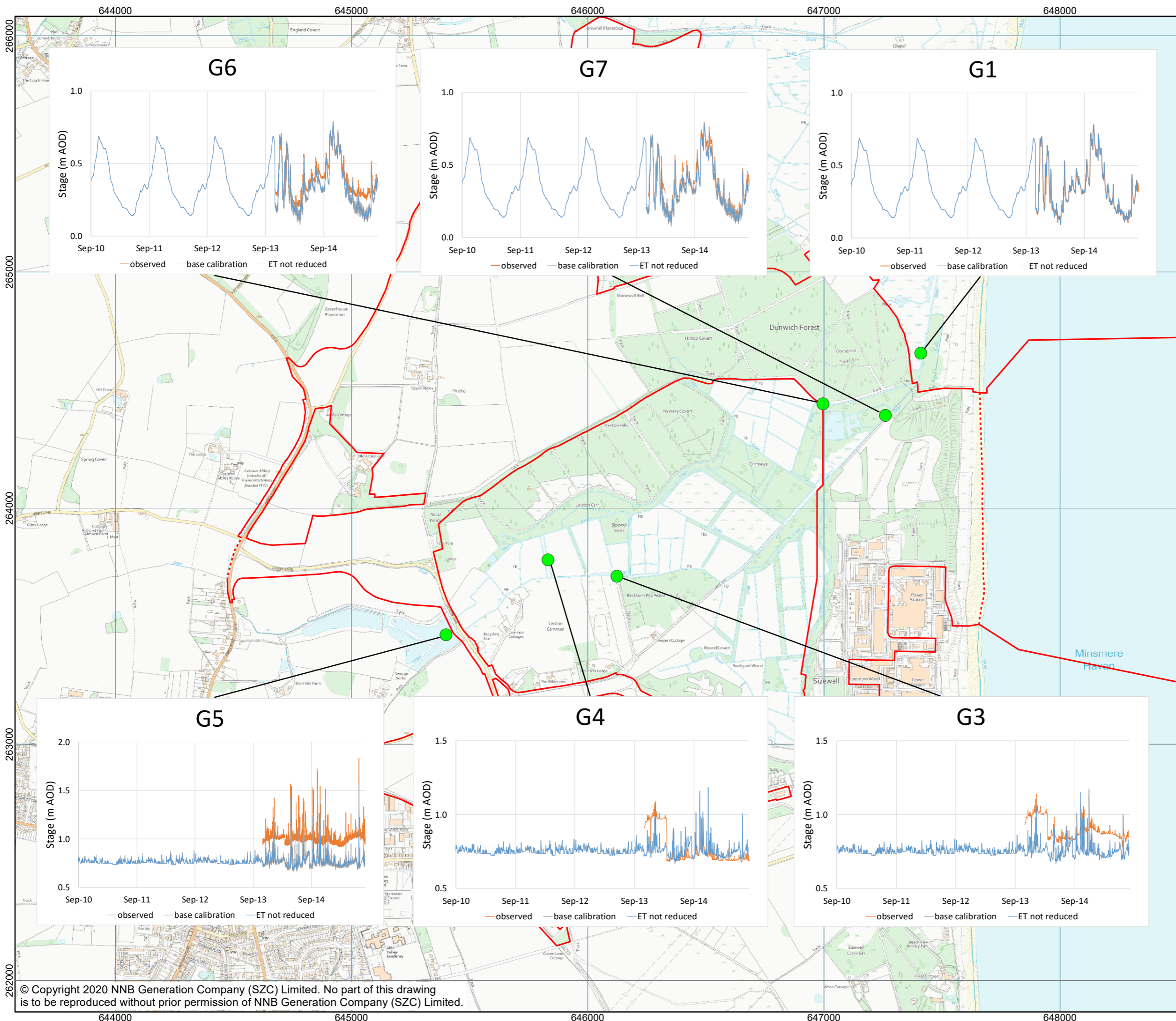
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VOLUME 2  
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NUMERICAL MODELLING REPORT

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SENSITIVITY ANALYSIS: EFFECT OF REDUCED VERTICAL HYDRAULIC CONDUCTIVITY IN SIZEWELL MARSHES ON CALIBRATION TO OBSERVED WATER FLOW DURATION CURVES AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.61

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S2

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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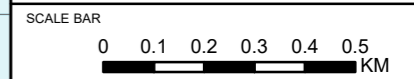


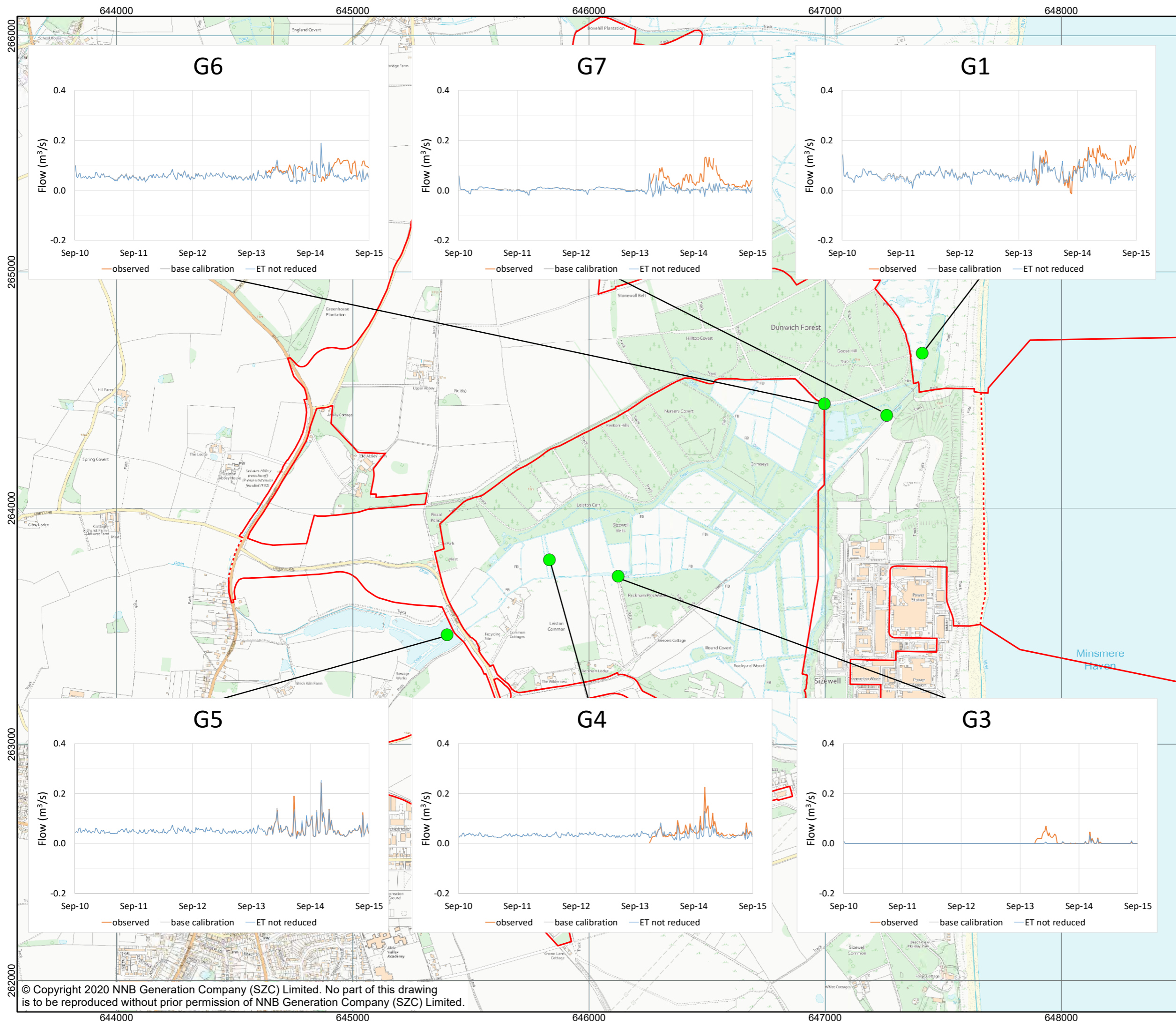
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SENSITIVITY ANALYSIS: EFFECT OF NO  
REDUCTION IN EVAPOTRANSPIRATION  
WITH DEPTH ON CALIBRATION TO  
OBSERVED WATER STAGE AT  
STREAM GAUGING LOCATIONS (2010-2015)

DRAWING NO:  
FIGURE 19A.62

DATE: JAN 2020      DRAWN: M.S.      SCALE: 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S2

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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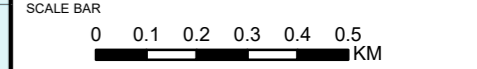


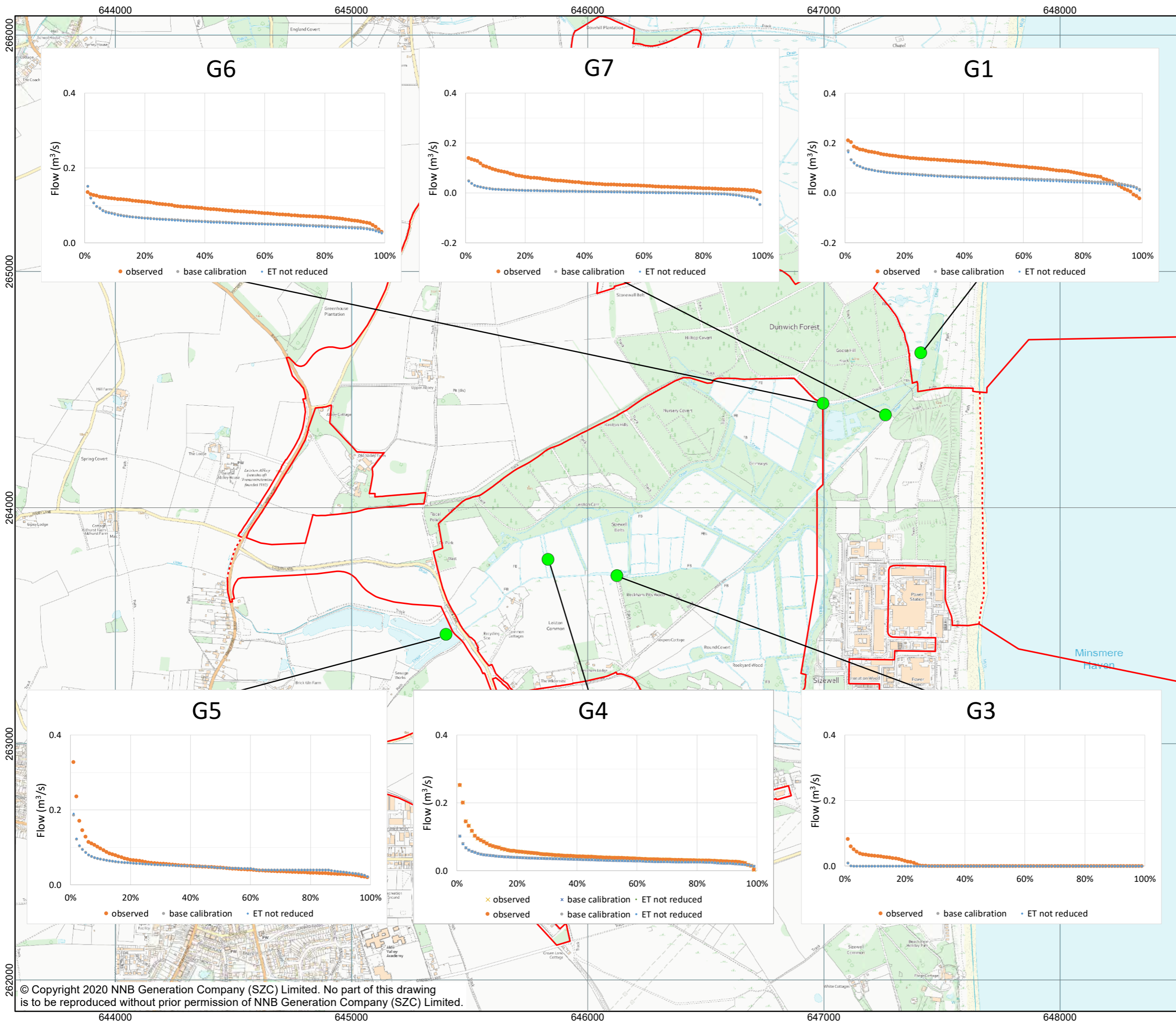
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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF NO REDUCTION IN EVAPOTRANSPIRATION WITH DEPTH ON CALIBRATION TO OBSERVED WATER FLOW AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.63

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S2

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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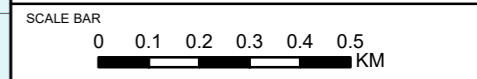


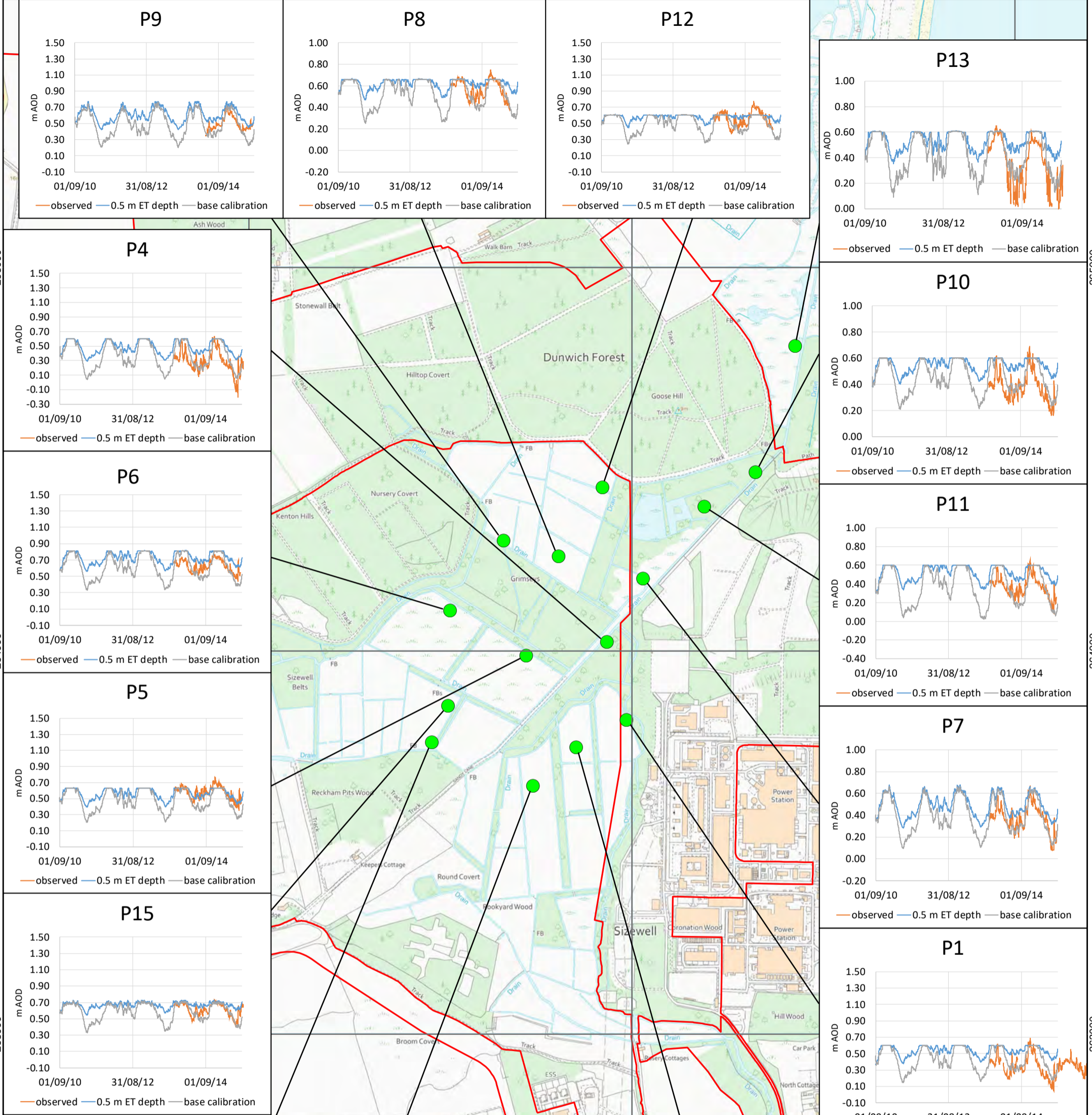
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VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF NO REDUCTION IN EVAPOTRANSPIRATION WITH DEPTH ON CALIBRATION TO OBSERVED WATER FLOW DURATION CURVES AT STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.64

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**  
 INITIAL RUN: 130-053c  
 SENSITIVITY RUN: 130-053c\_S3  
**KEY**  
 PEAT MONITORING BOREHOLES  
 SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY  
 DEMARCATION LINE  
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**NOT PROTECTIVELY MARKED**

**DRAWING NO:**  
 FIGURE 19A.65

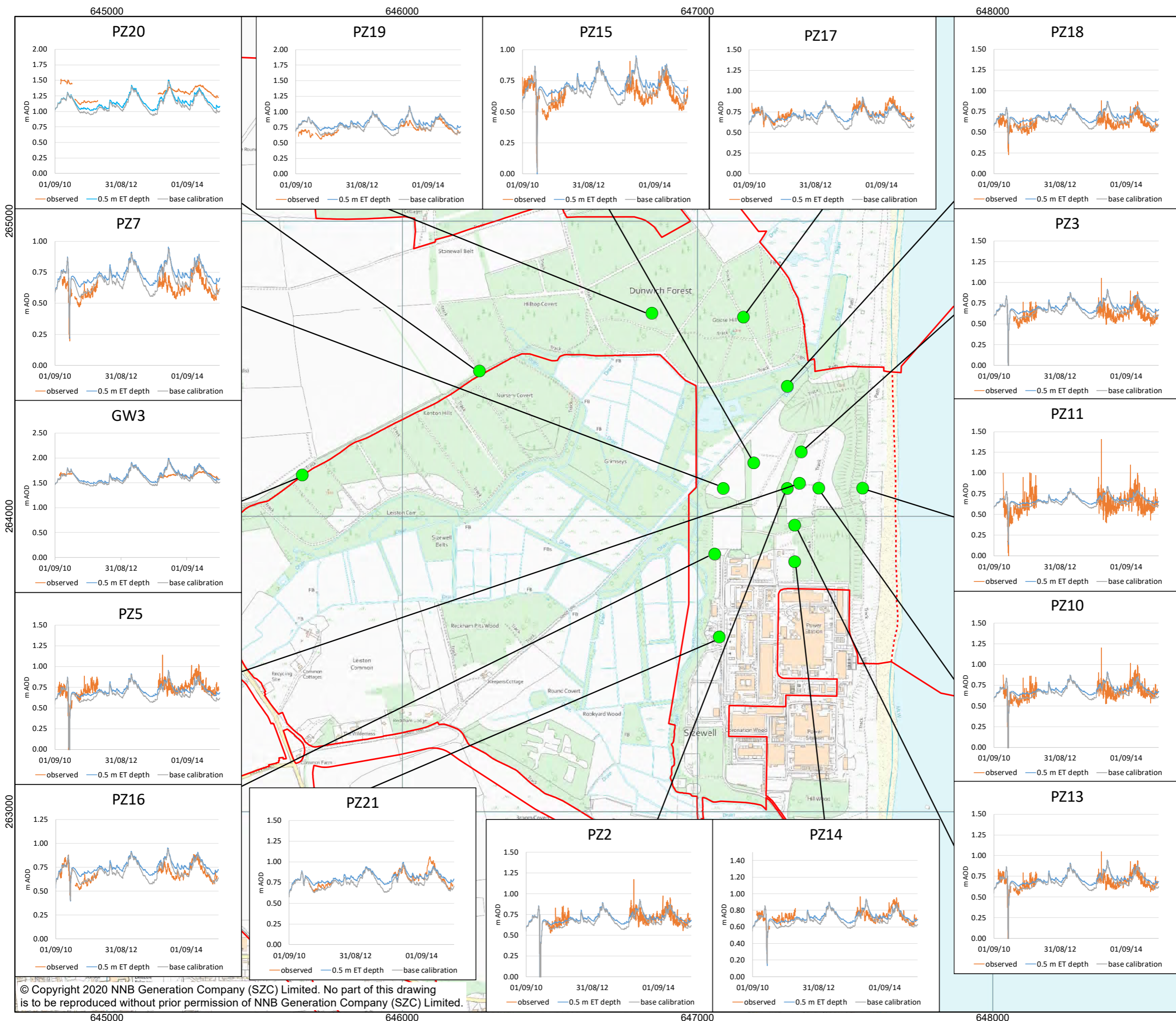
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**DRAWN:** M.G.  
**SCALE:** 1:10,000 @A3

**DOCUMENT:**  
 SIZEWELL C ENVIRONMENTAL STATEMENT VOLUME 2 APPENDIX 19A NUMERICAL MODELLING REPORT

**SCALE BAR**  
 0 0.1 0.2 0.3 0.4 0.5 KM

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**NOTES**

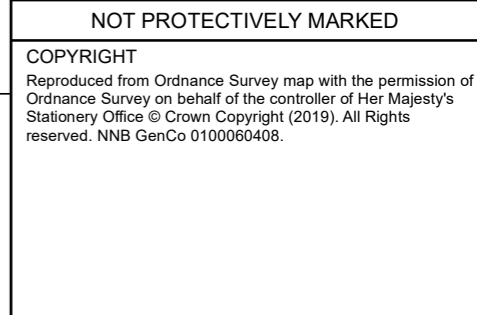
INITIAL ROLE: 130-053c  
 SENSITIVITY RUN: 130-053c\_S3

**KEY**

- CRAG GROUNDWATER BOREHOLES
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

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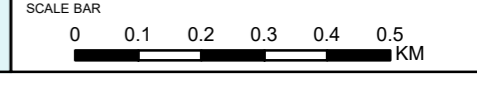


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**DRAWING TITLE:**  
 SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
 EVAPOTRANSPIRATION DEPTH ON MODEL  
 CALIBRATION IN THE SHALLOW CRAG (2010-2015)

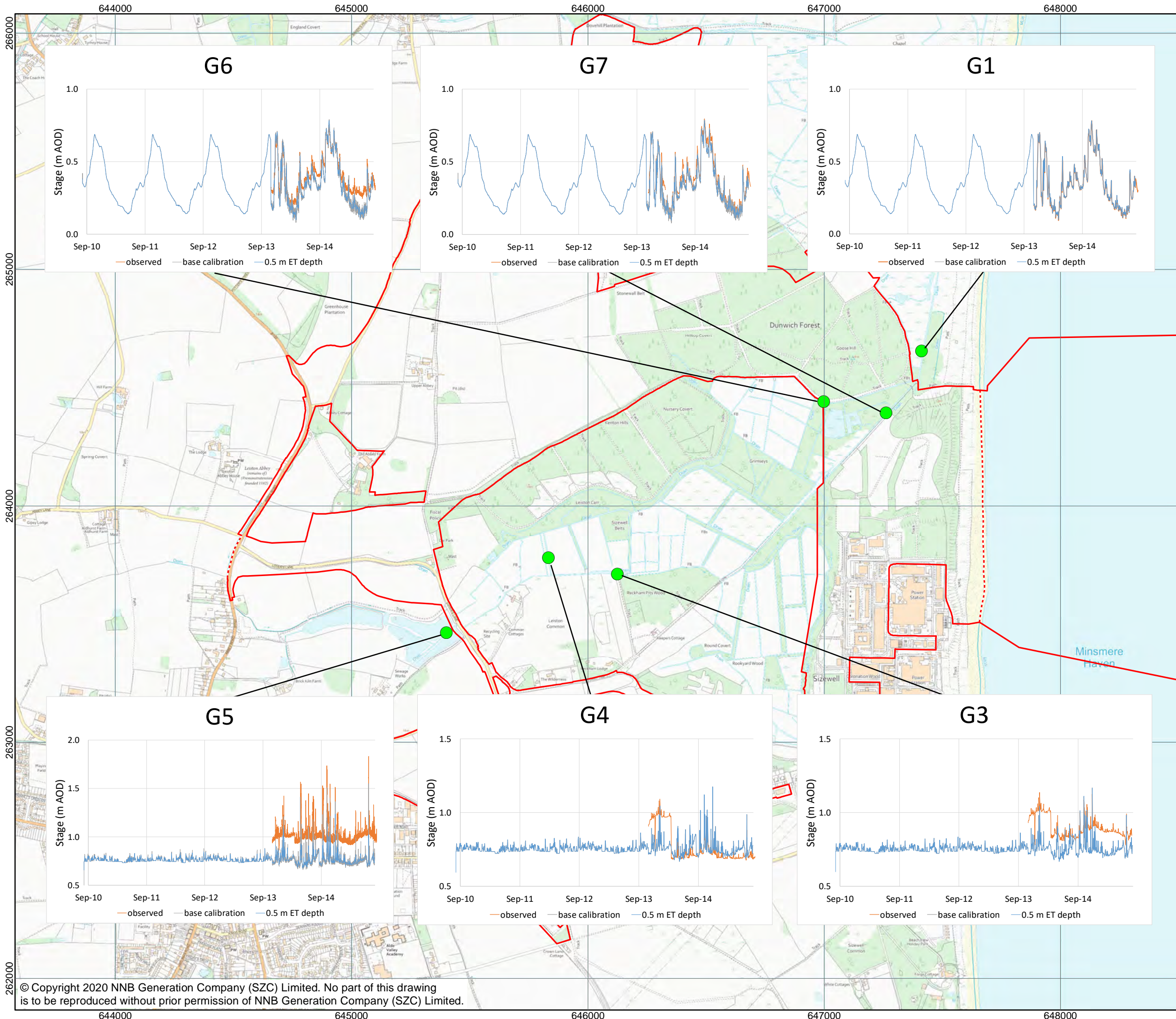
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 FIGURE 19A.66

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**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S3

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
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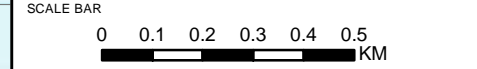


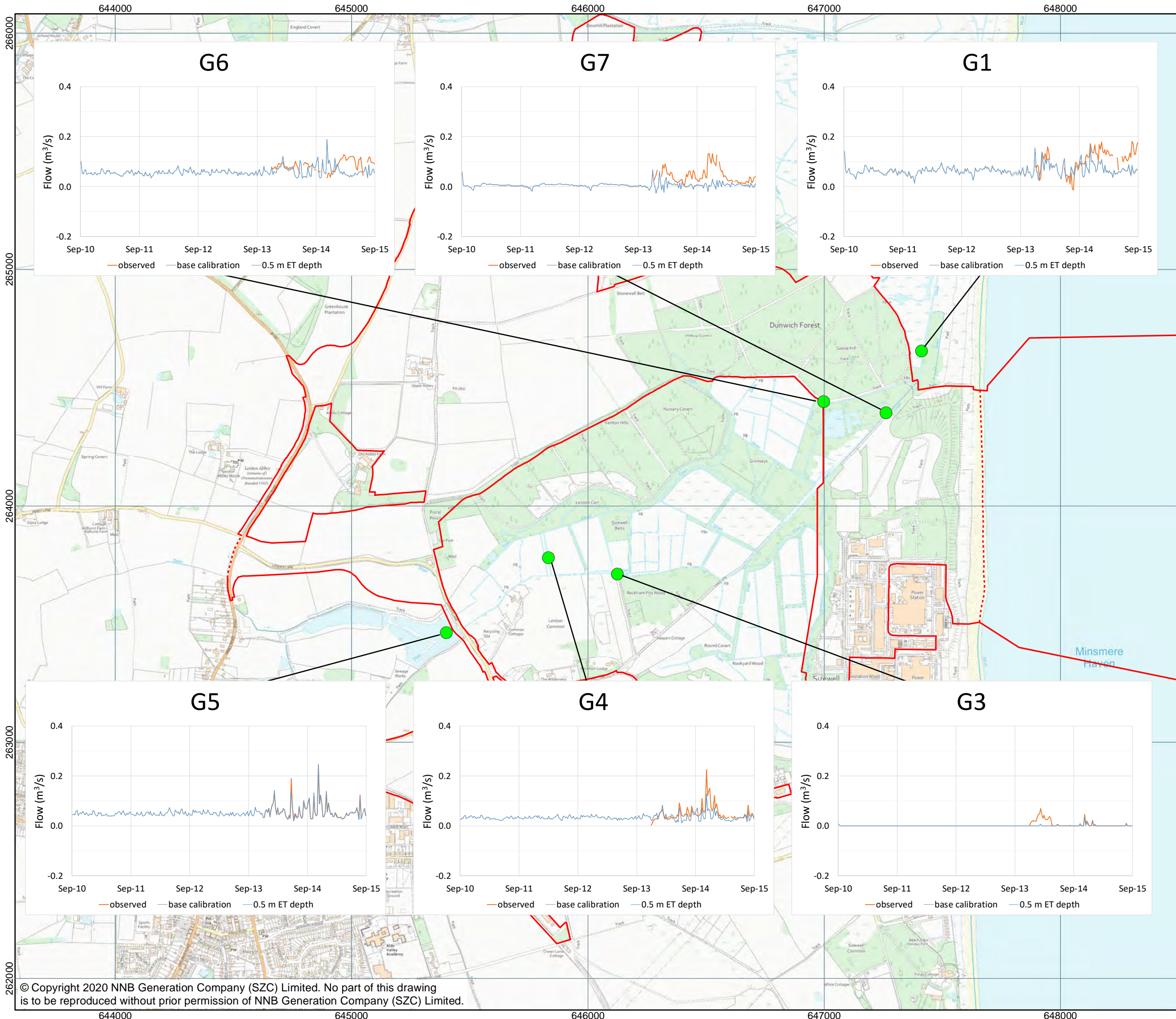
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**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
EVAPOTRANSPIRATION DEPTH ON CALIBRATION  
TO OBSERVED WATER STAGE AT STREAM  
GAUGING LOCATIONS (2010-2015)

**DRAWING NO.:**  
FIGURE 19A.67

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S3

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
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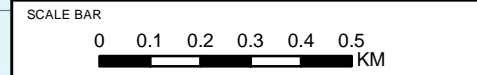


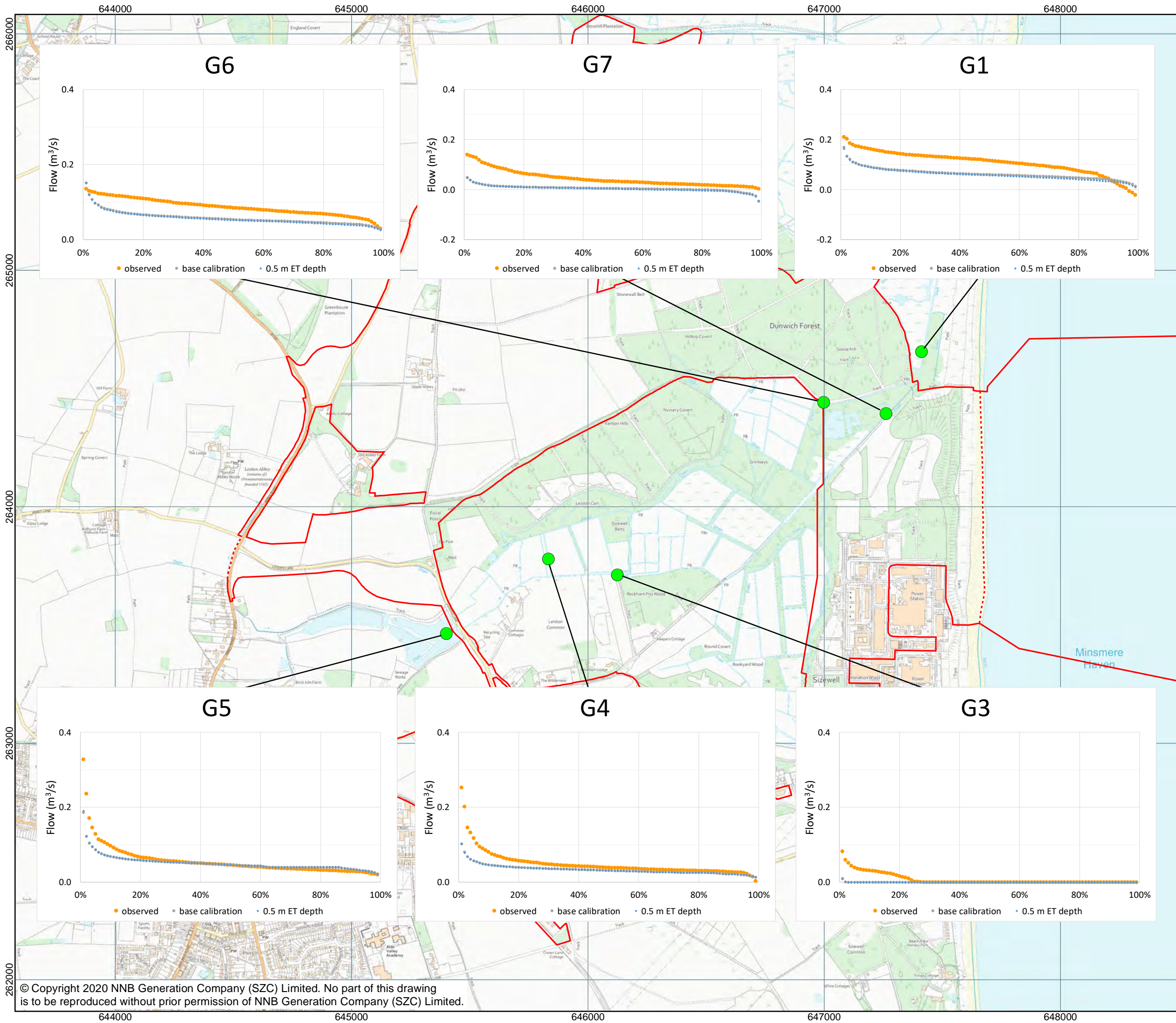
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APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
EVAPOTRANSPIRATION DEPTH ON  
CALIBRATION TO OBSERVED WATER FLOW AT  
STREAM GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.68

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3





**NOTES**

BASE CALIBRATION RUN:  
130-053c

SENSITIVITY RUN:  
130-053c\_S3

**KEY**

- SURFACE WATER GAUGING LOCATIONS
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- - - DEMARCATION LINE

NOT PROTECTIVELY MARKED

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**DOCUMENT:**  
SIZEWELL C  
ENVIRONMENTAL STATEMENT  
VOLUME 2  
APPENDIX 19A  
NUMERICAL MODELLING REPORT

**DRAWING TITLE:**  
SENSITIVITY ANALYSIS: EFFECT OF REDUCED  
EVAPOTRANSPIRATION DEPTH ON  
CALIBRATION TO OBSERVED WATER FLOW  
DURATION CURVES AT STREAM  
GAUGING LOCATIONS (2010-2015)

**DRAWING NO:**  
FIGURE 19A.69

**DATE:** JAN 2020      **DRAWN:** M.S.      **SCALE:** 1:15,000 @A3

