



The Sizewell C Project

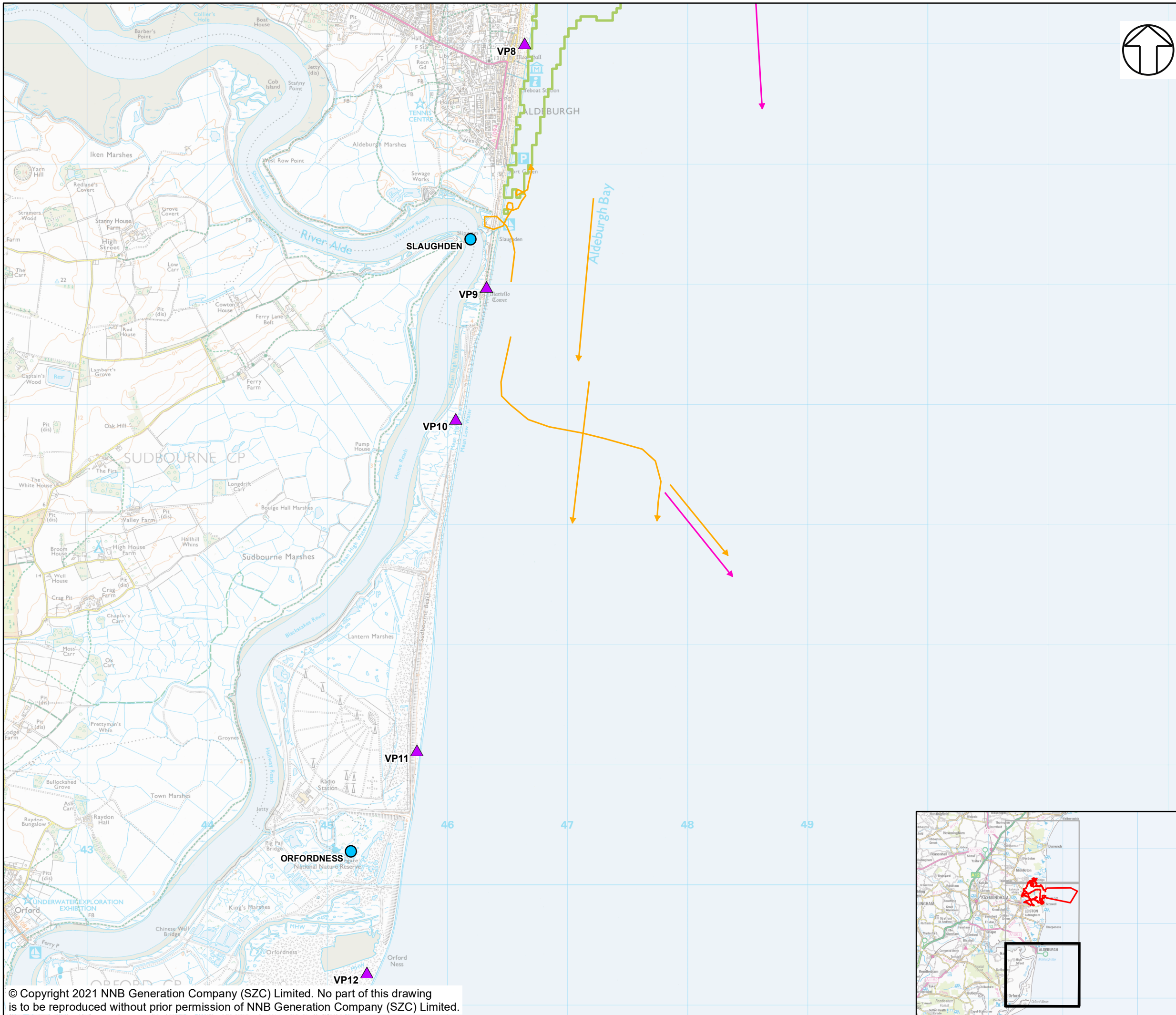
5.10 Shadow Habitats Regulations Assessment Addendum Appendices 1A-10A Part 4 of 5

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

January 2021

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





NOTES

KEY

▲ TERN SURVEY VANTAGE POINTS

● SEABIRD COLONY

SPECIES OF TERN

→ COMMON TERN

→ SANDWICH TERN

PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB

□ BOUNDARY OF THERMAL UPLIFT AT $\geq 2^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE

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DOCUMENT:
SIZEWELL C PROJECT
SHADOW HRA REPORT ADDENDUM
APPENDIX 6A
FIGURES (BASELINE)

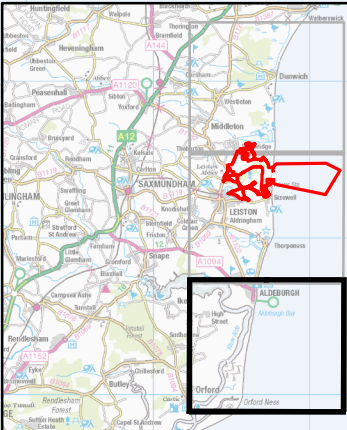
DRAWING TITLE:
LOCATIONS OF FORAGING TERNS RECORDED DURING THE FIRST AUGUST SURVEY IN 2020, WITH PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB ALSO SHOWN.

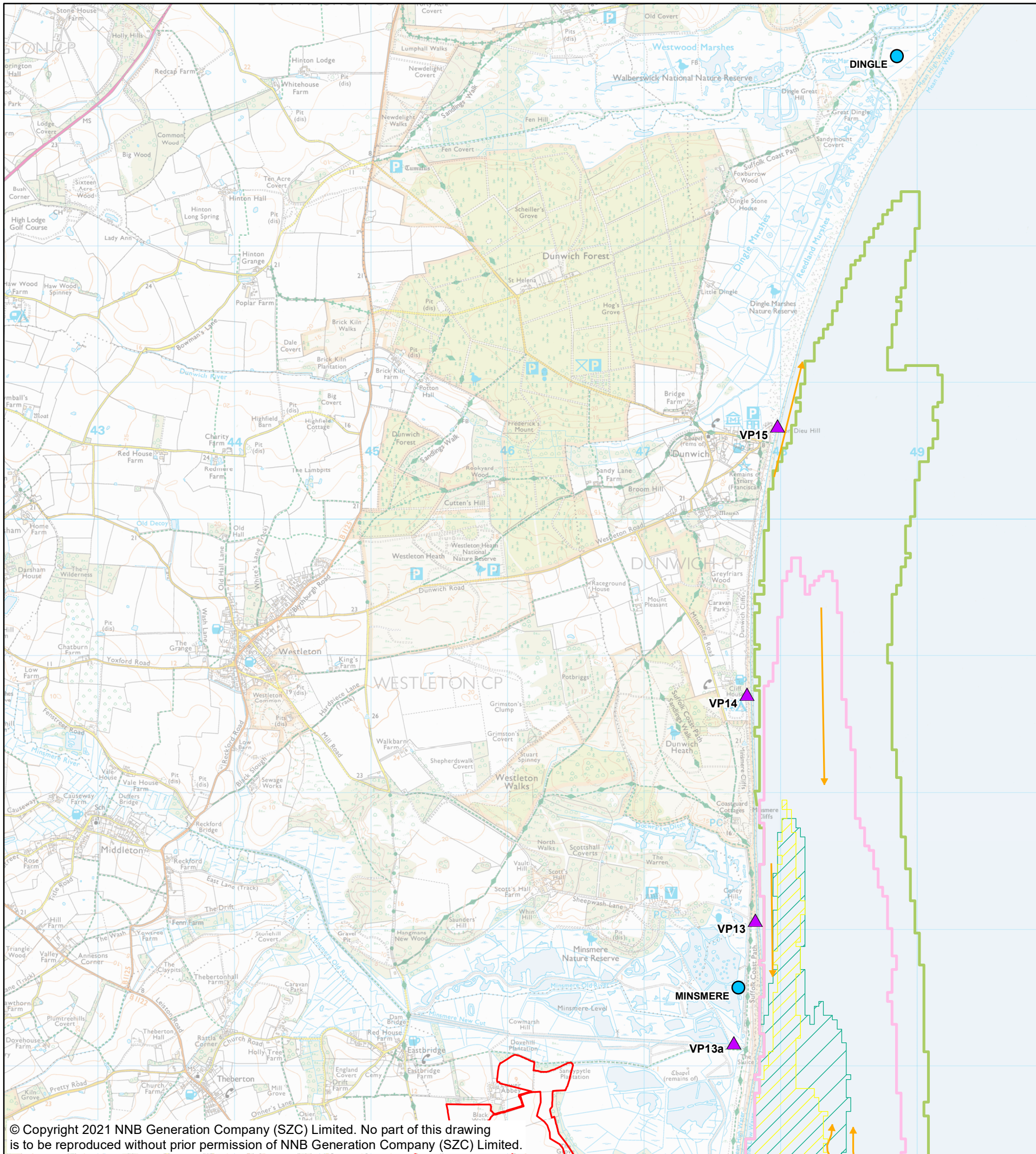
DRAWING NO: MAP 3 OF 3
FIGURE 6A.9

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:30,000 @A3 **REVISION:** 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 Kilometres

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- NOTES**
- KEY**
- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
 - TERN SURVEY VANTAGE POINTS
 - SEABIRD COLONY
- SPECIES OF TERN**
- SANDWICH TERN
- PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB**
- BOUNDARY OF THERMAL UPLIFT AT $\geq 2^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE
 - BOUNDARY OF THERMAL UPLIFT AT $\geq 3^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE
 - BROMOFORM AT $\geq 5\mu\text{g/l}$ AT SEA SURFACE AS 95TH PERCENTILE FOR SZB
 - TOTAL RESIDUAL OXIDANTS AT $\geq 10\mu\text{g/l}$ AT SEA SURFACE AS 95TH PERCENTILE FOR SZB

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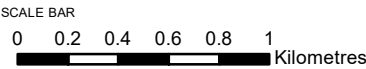


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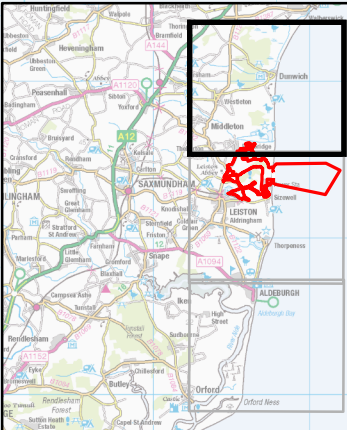
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LOCATIONS OF FORAGING TERNS RECORDED DURING THE SECOND AUGUST SURVEY IN 2020, WITH PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB ALSO SHOWN.

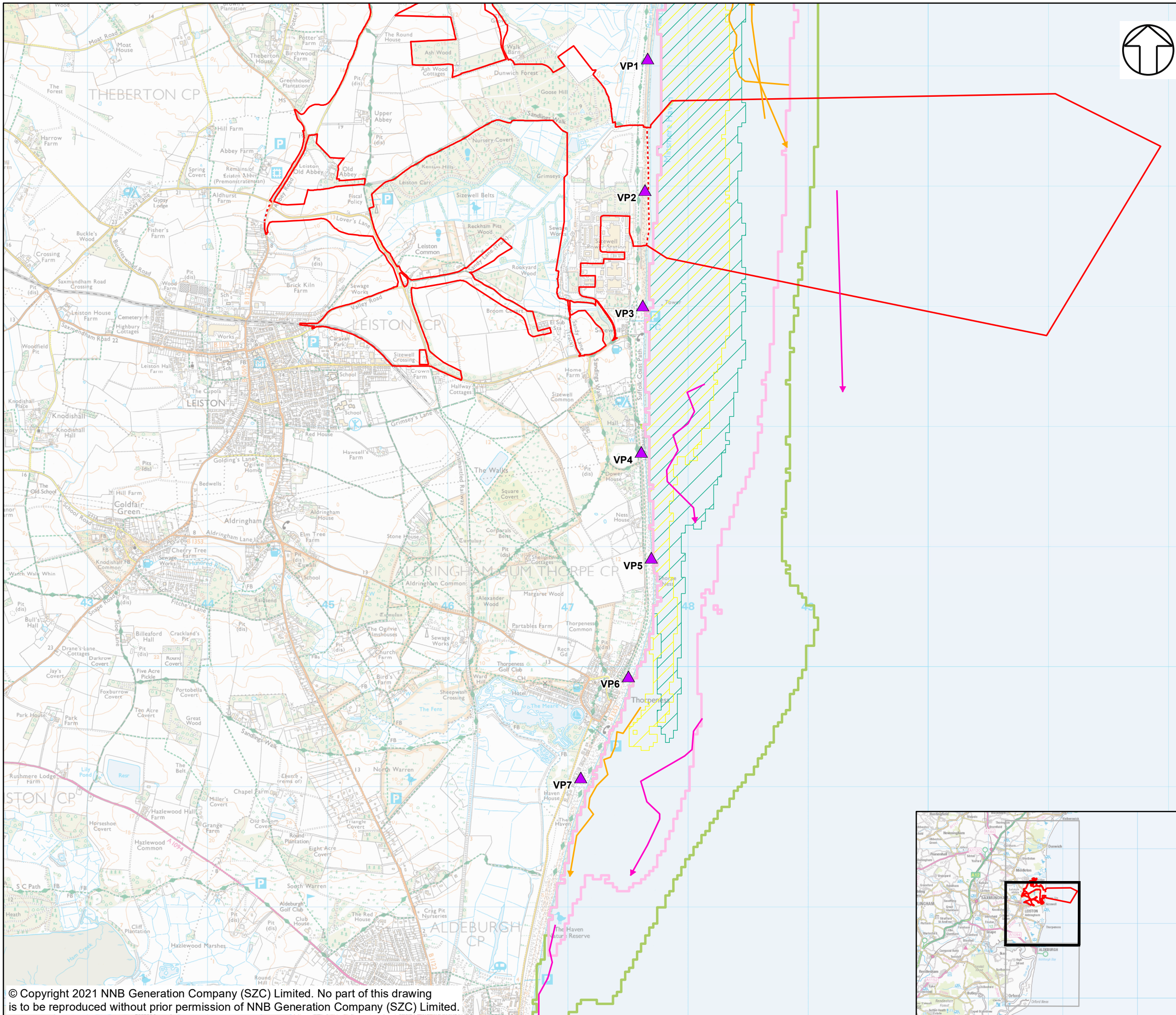
DRAWING NO: FIGURE 6A.10 **MAP 1 OF 3**

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NOTES

KEY

— SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY

- - - DEMARCATION LINE

▲ TERN SURVEY VANTAGE POINTS

SPECIES OF TERN

→ COMMON TERN

→ SANDWICH TERN

PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB

□ BOUNDARY OF THERMAL UPLIFT AT $\geq 2^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE

□ BOUNDARY OF THERMAL UPLIFT AT $\geq 3^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE

□ BROMOFORM AT $\geq 5\mu\text{g/l}$ AT SEA SURFACE AS 95TH PERCENTILE FOR SZB

□ TOTAL RESIDUAL OXIDANTS AT $\geq 10\mu\text{g/l}$ AT SEA SURFACE AS 95TH PERCENTILE FOR SZB

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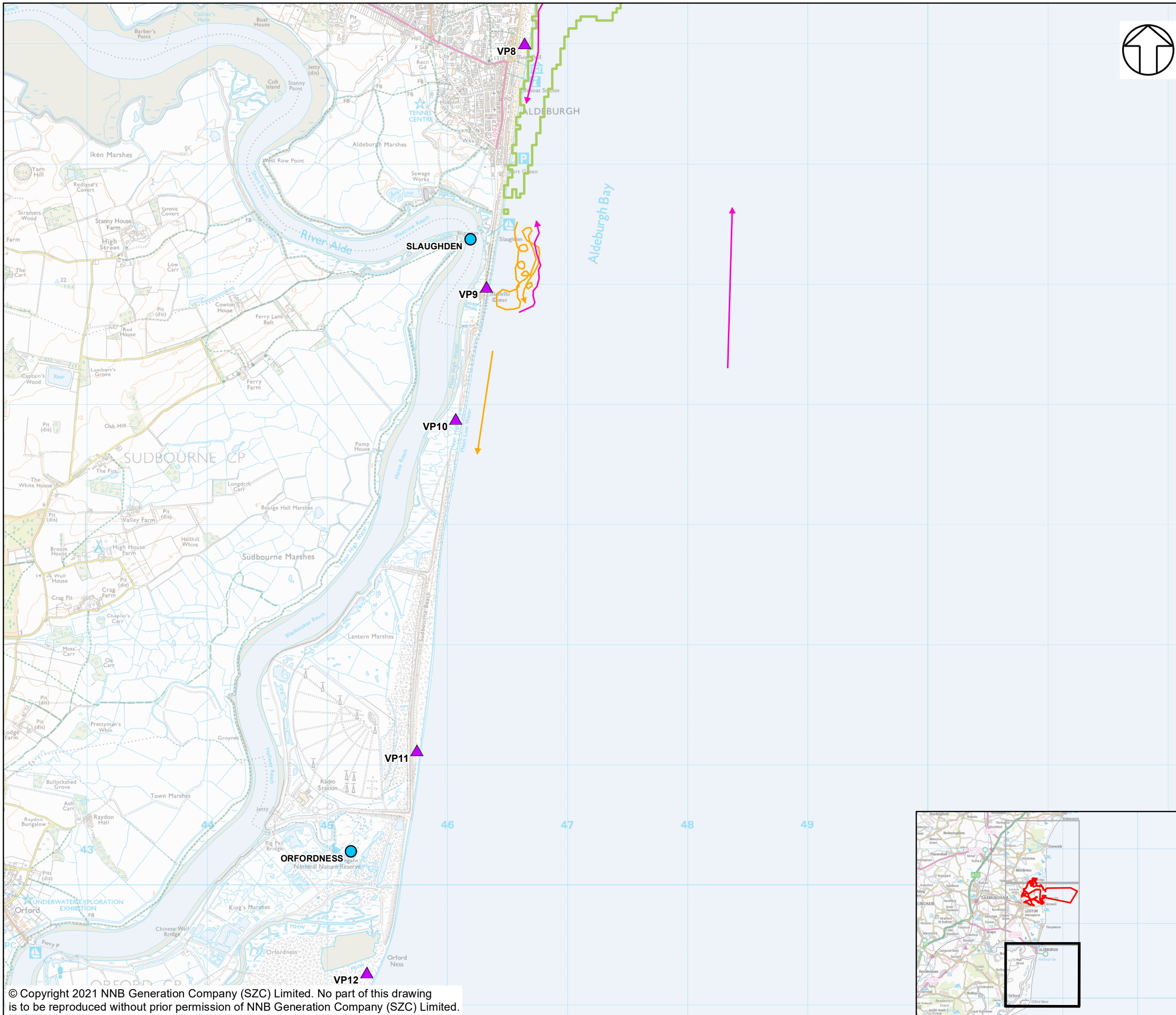
DOCUMENT:
SIZEWELL C PROJECT
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DRAWING TITLE:
LOCATIONS OF FORAGING TERNS RECORDED
DURING THE SECOND AUGUST SURVEY IN 2020,
WITH PREDICTED CHEMICAL AND THERMAL
PLUMES FROM SZB ALSO SHOWN.

DRAWING NO: MAP 2 OF 3
FIGURE 6A.10

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:30,000 @A3 REVISION: 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 Kilometres



NOTES

KEY

- TERN SURVEY VANTAGE POINTS
- SEABIRD COLONY
- SPECIES OF TERN
 - COMMON TERN
 - SANDWICH TERN

PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB

- BOUNDARY OF THERMAL UPLIFT AT $\geq 2^{\circ}\text{C}$ AT SEA SURFACE AS 98TH PERCENTILE FOR SZB ALONE

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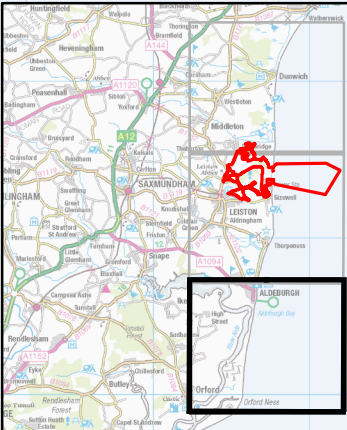
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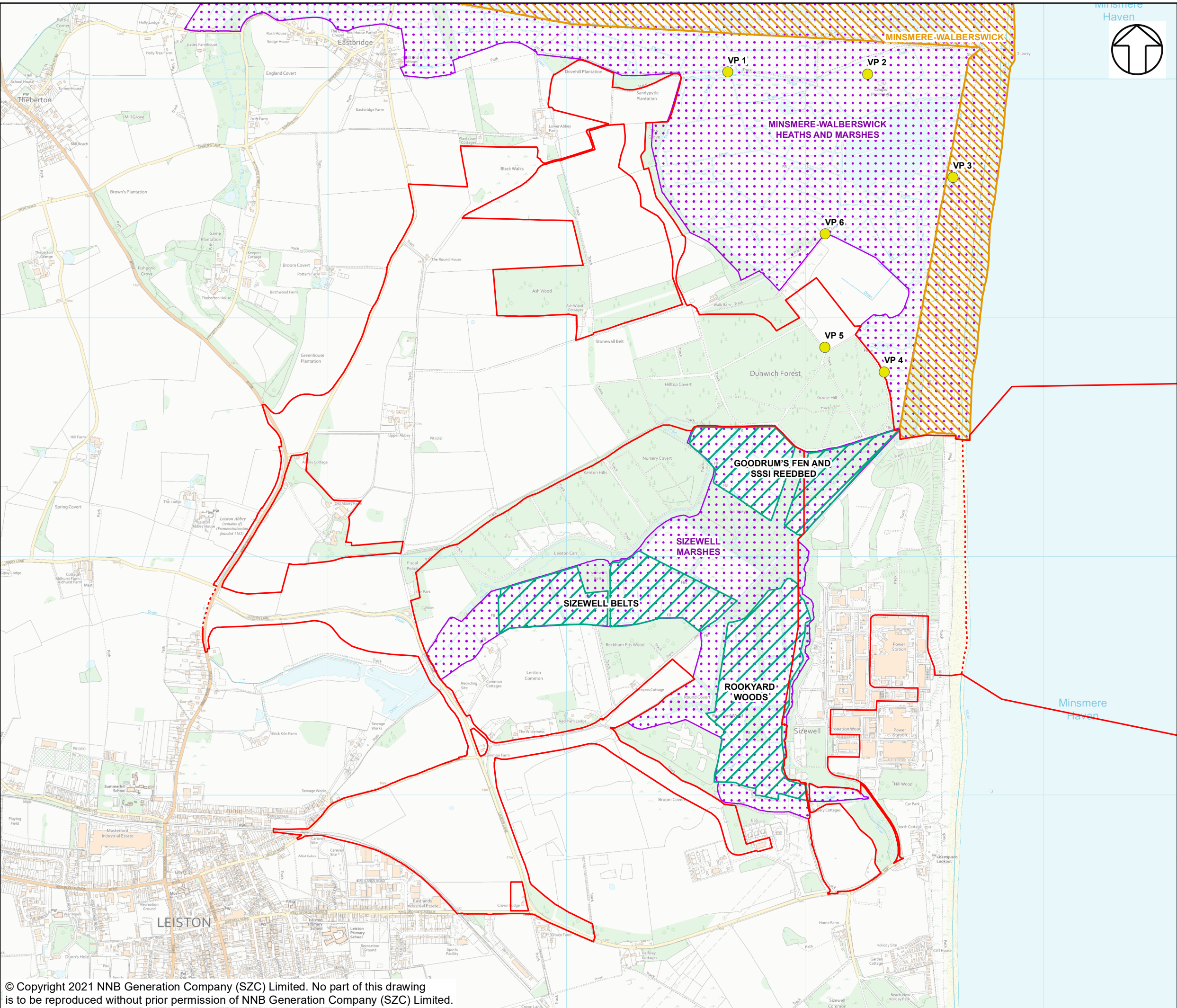
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LOCATIONS OF FORAGING TERNS RECORDED DURING THE SECOND AUGUST SURVEY IN 2020, WITH PREDICTED CHEMICAL AND THERMAL PLUMES FROM SZB ALSO SHOWN.

DRAWING NO: MAP 3 OF 3
FIGURE 6A.10

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:30,000 @A3 **REVISION:** 2.0

SCALE BAR
0 0.2 0.4 0.6 0.8 1 Kilometres





NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE
- VP LOCATIONS FOR WINTER WATERBIRD SURVEYS OF MINSMERE SOUTH LEVELS
- SIZEWELL MARSHES WINTER WATERBIRD SURVEY AREA
- DESIGNATIONS
 - SPECIAL PROTECTION AREA (SPA)
 - SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

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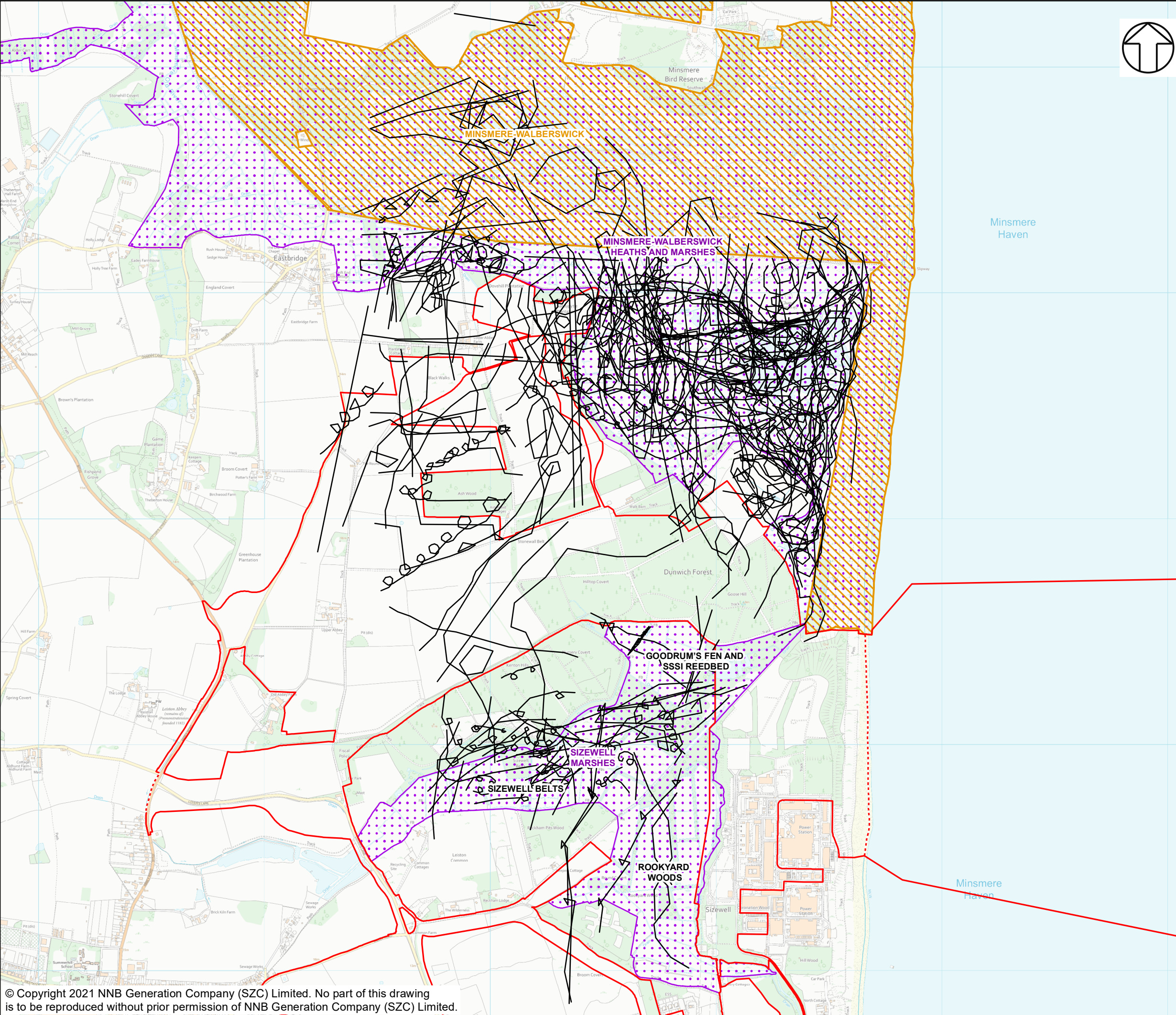
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SIZEWELL C PROJECT
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DRAWING TITLE:
SURVEY AREA FOR THE
PROJECT-SPECIFIC WINTER
WATERBIRD SURVEYS

DRAWING NO:
FIGURE 6A.11

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:15,000 @A3 REVISION: 2.0

SCALE BAR
0 0.1 0.2 0.3 0.4 0.5
Kilometres



NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE
- MARSH HARRIER FLIGHT LINE (2020)

DESIGNATIONS

- SPECIAL PROTECTION AREA (SPA)
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

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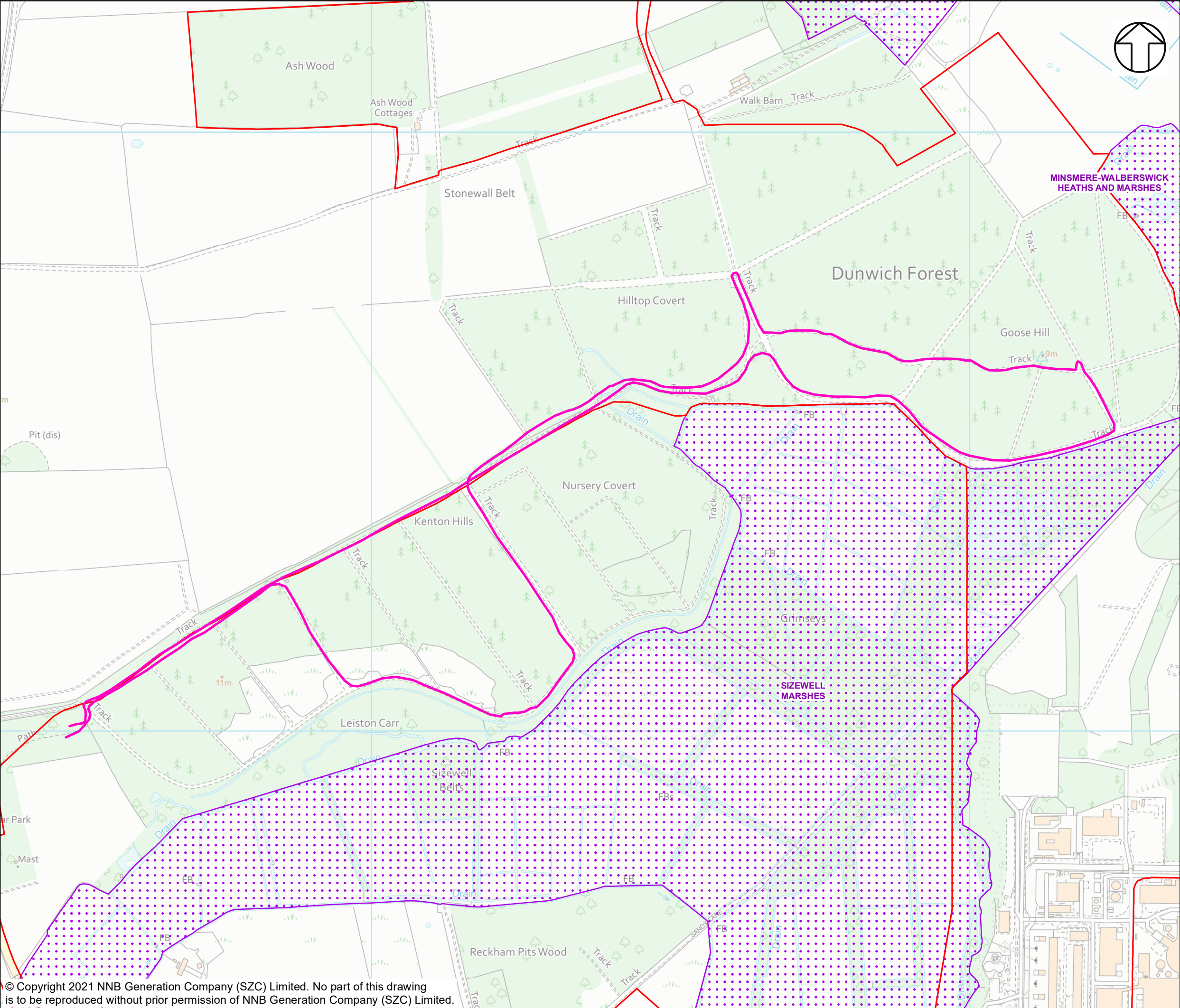
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DRAWING TITLE:
 MARSH HARRIER FLIGHT 2020

DRAWING NO:
 FIGURE 6A.12

DATE: JAN 2021 **DRAWN:** J.T. **SCALE:** 1:16,000 @A3 **REVISION:** 2.0

SCALE BAR
 0 0.1 0.2 0.3 0.4 0.5
 Kilometres



NOTES

KEY

— SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY

DESIGNATIONS

▤ SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

— NIGHTJAR TRANSECT (MAY 2020)

MINSMERE-WALBERSWICK HEATHS AND MARSHES

Dunwich Forest

SIZEWELL MARSHES

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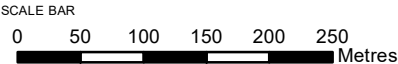


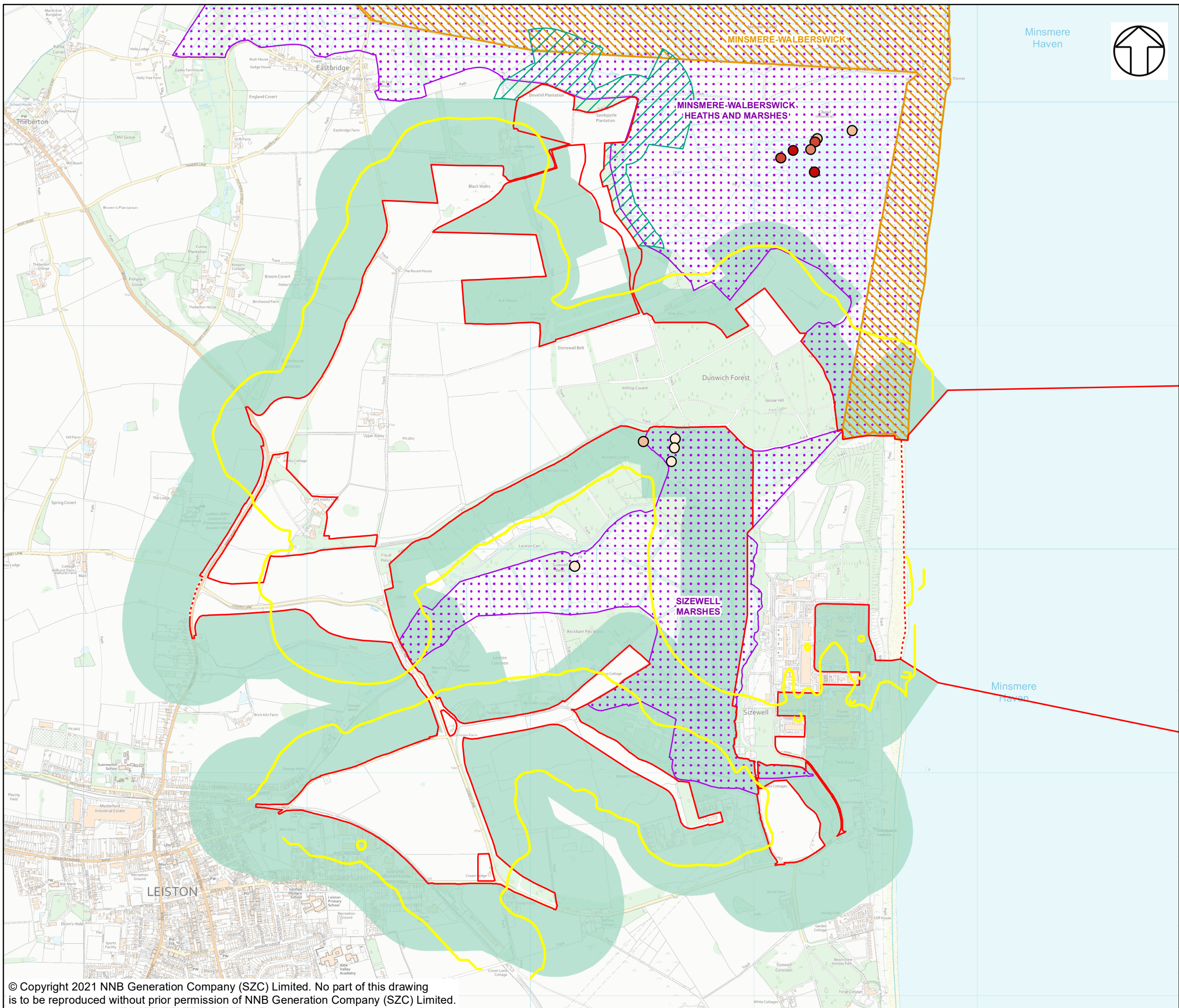
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SIZEWELL C PROJECT
SHADOW HRA REPORT ADDENDUM
APPENDIX 6A
FIGURES (BASELINE)

DRAWING TITLE:
TRANSECT ROUTE USED FOR THE
2020 BREEDING NIGHTJAR SURVEY

DRAWING NO:
FIGURE 6A.13

DATE:	DRAWN:	SCALE:	REVISION:
JAN 2021	J.T.	1:6,000 @A3	2.0





NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE
- VISUAL DISTURBANCE BUFFER
- VISUAL DISTURBANCE BUFFER FOR CONSTRUCTION OF THE WATER STORAGE AREA (RELEVANT TO THE FIRST WINTER OF THE CONSTRUCTION PERIOD ONLY)

DESIGNATIONS

- SPECIAL PROTECTION AREA (SPA)
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

PHASE 1 - (INCLUDING 5M FENCE)

NOISE LEVEL L_{Amax}

70

GADWALL ABUNDANCE

- 1 - 5
- 6 - 25
- 26 - 50
- 51 - 100
- 101 - 238

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DOCUMENT:

SIZEWELL C PROJECT
SHADOW HRA REPORT ADDENDUM
APPENDIX 6A
FIGURES (BASELINE)

DRAWING TITLE:

GADWALL ABUNDANCE FOR WINTER 2019/20
- ALL RECORDS

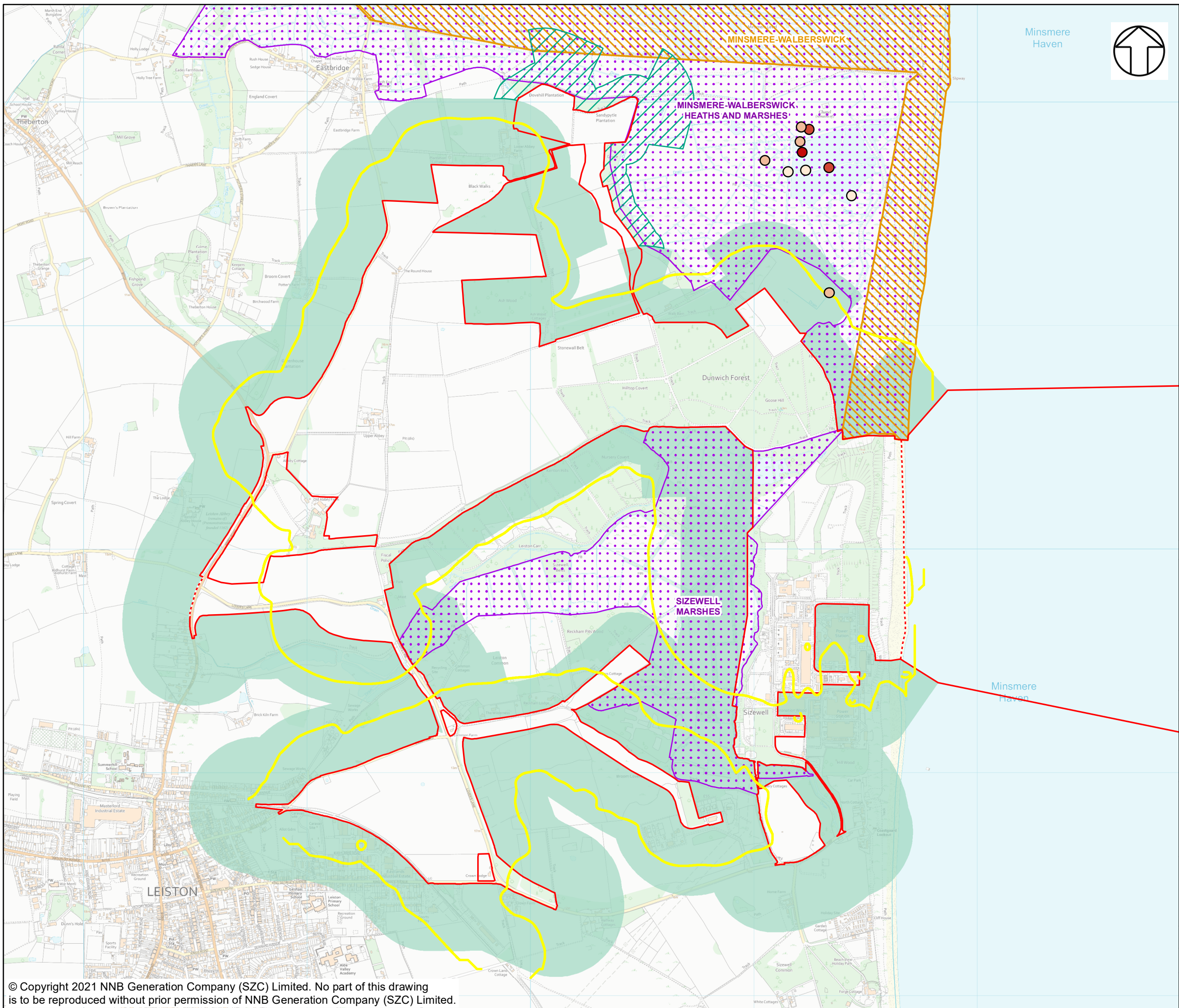
DRAWING NO:

FIGURE 6A.14

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:16,000 @A3 REVISION: 2.0

SCALE BAR

0 120 240 360 480 600 Metres



NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE
- VISUAL DISTURBANCE BUFFER
- VISUAL DISTURBANCE BUFFER FOR CONSTRUCTION OF THE WATER STORAGE AREA (RELEVANT TO THE FIRST WINTER OF THE CONSTRUCTION PERIOD ONLY)

DESIGNATIONS

- SPECIAL PROTECTION AREA (SPA)
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

PHASE 1 - (INCLUDING 5M FENCE)

NOISE LEVEL L_{Amax}

70

SHOVELER ABUNDANCE

- 1 - 5
- 6 - 25
- 26 - 50
- 51 - 100
- 101 - 183

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SHADOW HRA REPORT ADDENDUM
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DRAWING TITLE:

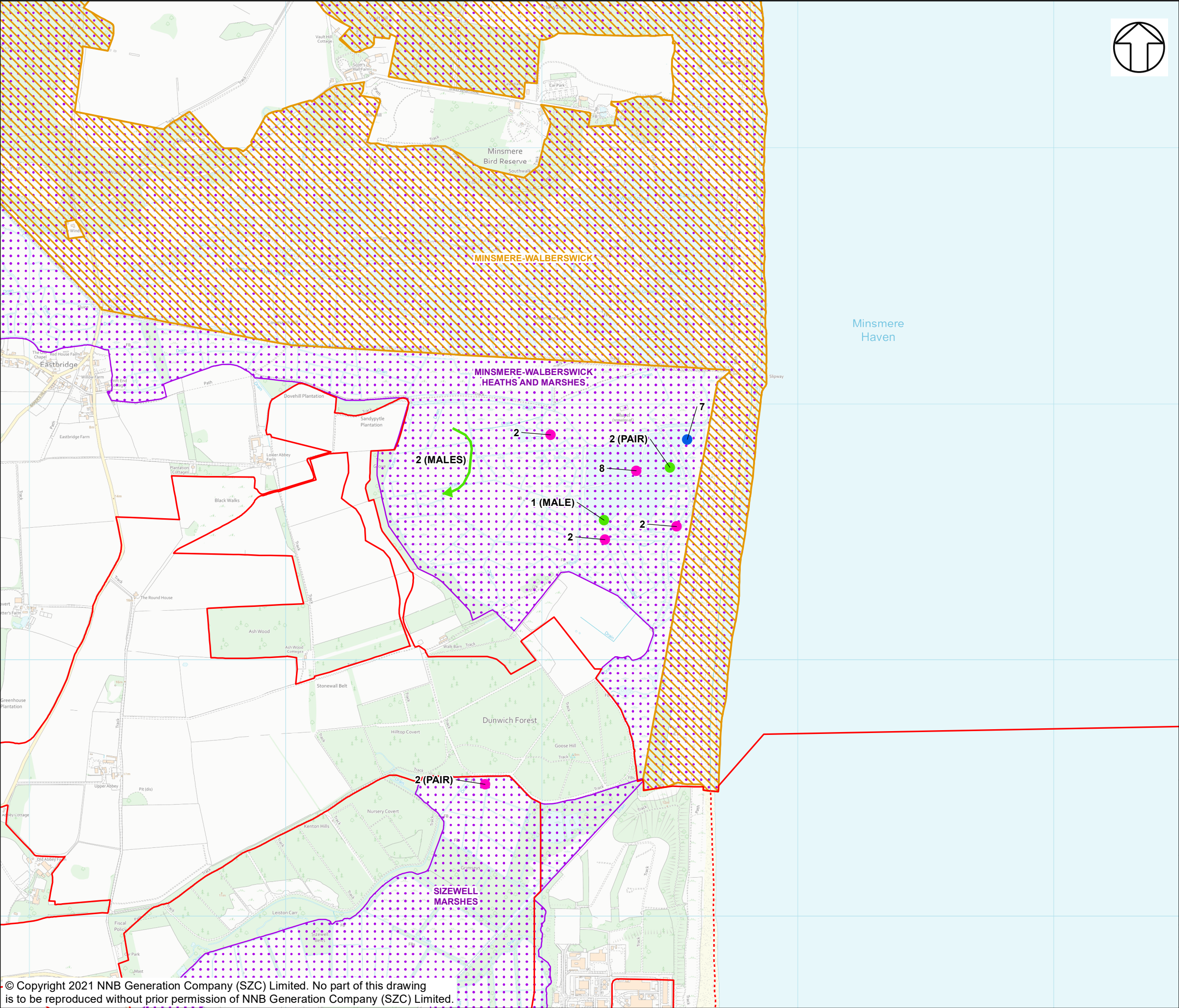
SHOVELER ABUNDANCE FOR WINTER 2019/20
- ALL RECORDS

DRAWING NO:

FIGURE 6A.15

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:16,000 @A3 REVISION: 2.0

SCALE BAR
0 120 240 360 480 600 Metres



NOTES

KEY

- SIZEWELL C MAIN DEVELOPMENT SITE BOUNDARY
- DEMARCATION LINE

DESIGNATIONS

- SPECIAL PROTECTION AREA (SPA)
- SITE OF SPECIAL SCIENTIFIC INTEREST (SSSI)

GADWALL BREEDING SEASON ABUNDANCE AND DISTRIBUTION IN THE MINSMERE SOUTH LEVELS AND SIZEWELL MARSHES IN 2020*

- APRIL 2020
- MAY 2020
- JUNE 2020
- APRIL 2020

* N INDICATES THE NUMBER OF INDIVIDUALS FOR EACH RECORD. INDIVIDUALS ARE ADULTS OF UNIDENTIFIED SEX UNLESS INDICATED OTHERWISE

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FIGURES (BASELINE)

DRAWING TITLE:
BREEDING SEASON ABUNDANCE AND DISTRIBUTION OF GADWALL IN THE MINSMERE SOUTH LEVELS AND SIZEWELL MARSHES IN 2020 AS DETERMINED FROM DEDICATED WATERBIRD SURVEYS IN APRIL, MAY AND JUNE

DRAWING NO:
FIGURE 6A.16

DATE: JAN 2021 DRAWN: J.T. SCALE: 1:14,000 @A3 REVISION: 2.0

SCALE BAR
0 120 240 360 480 600 Metres