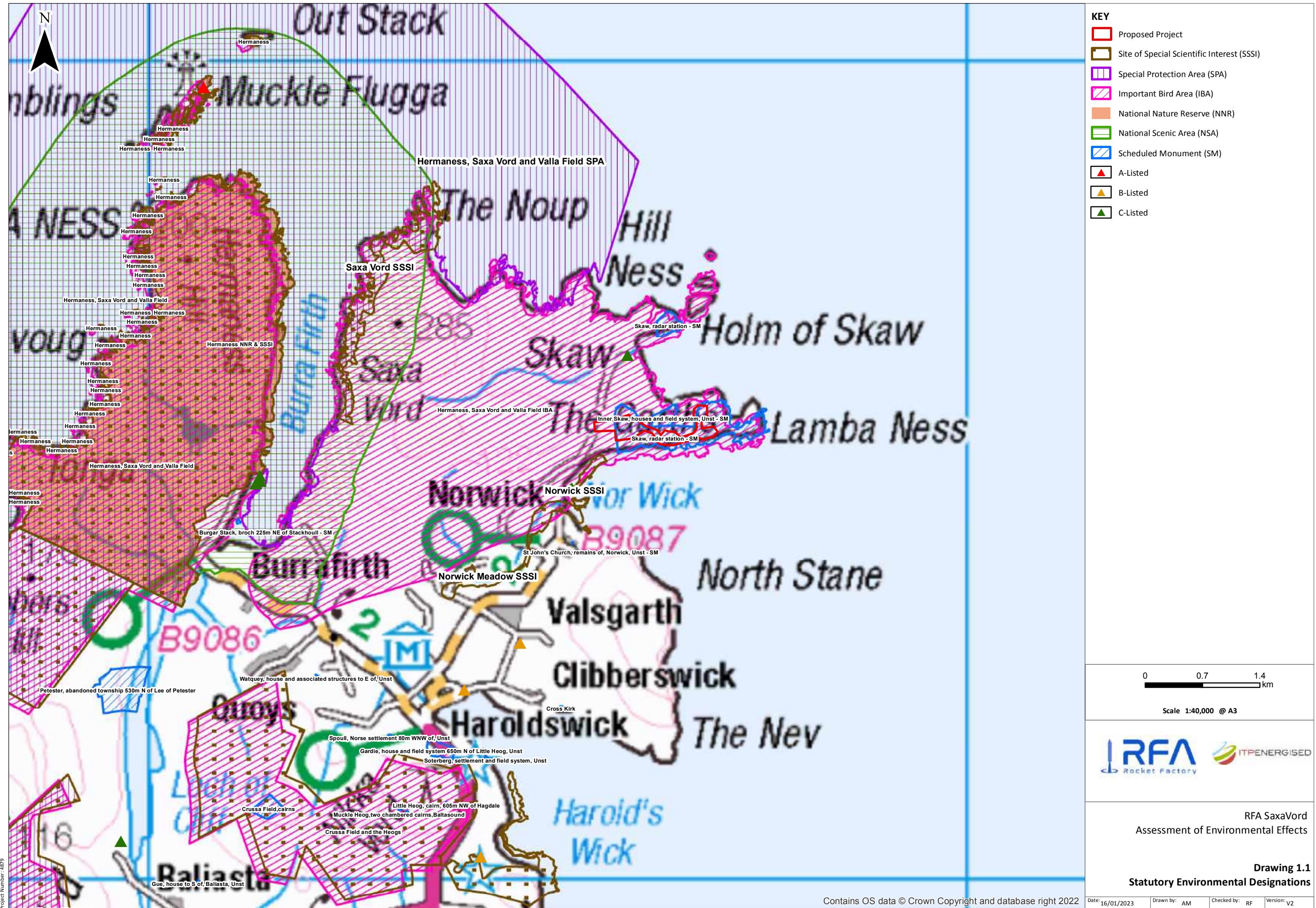


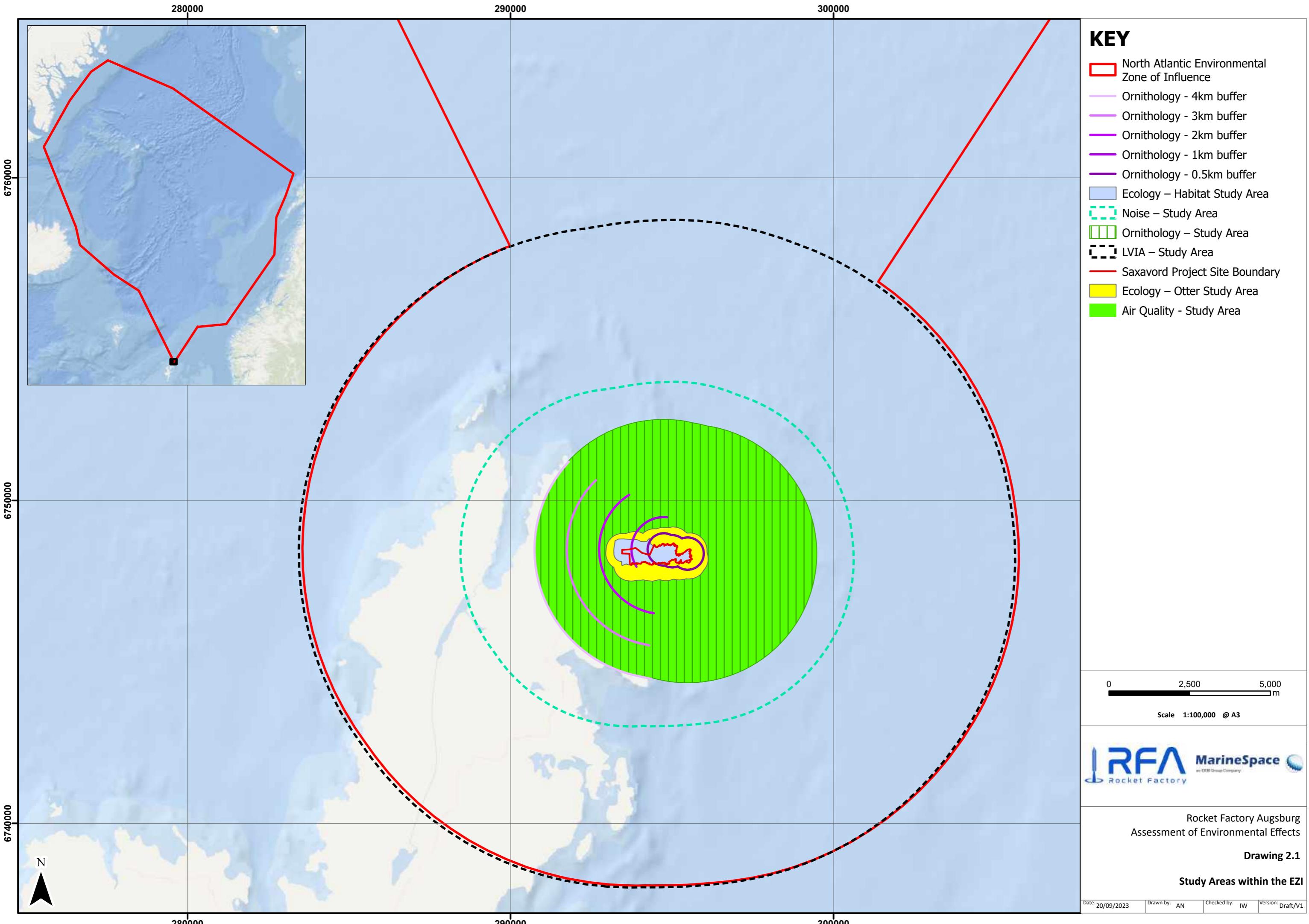
Volume III AEE Drawings



Chapter 1 Drawing 1.1 Statutory Environmental Designations

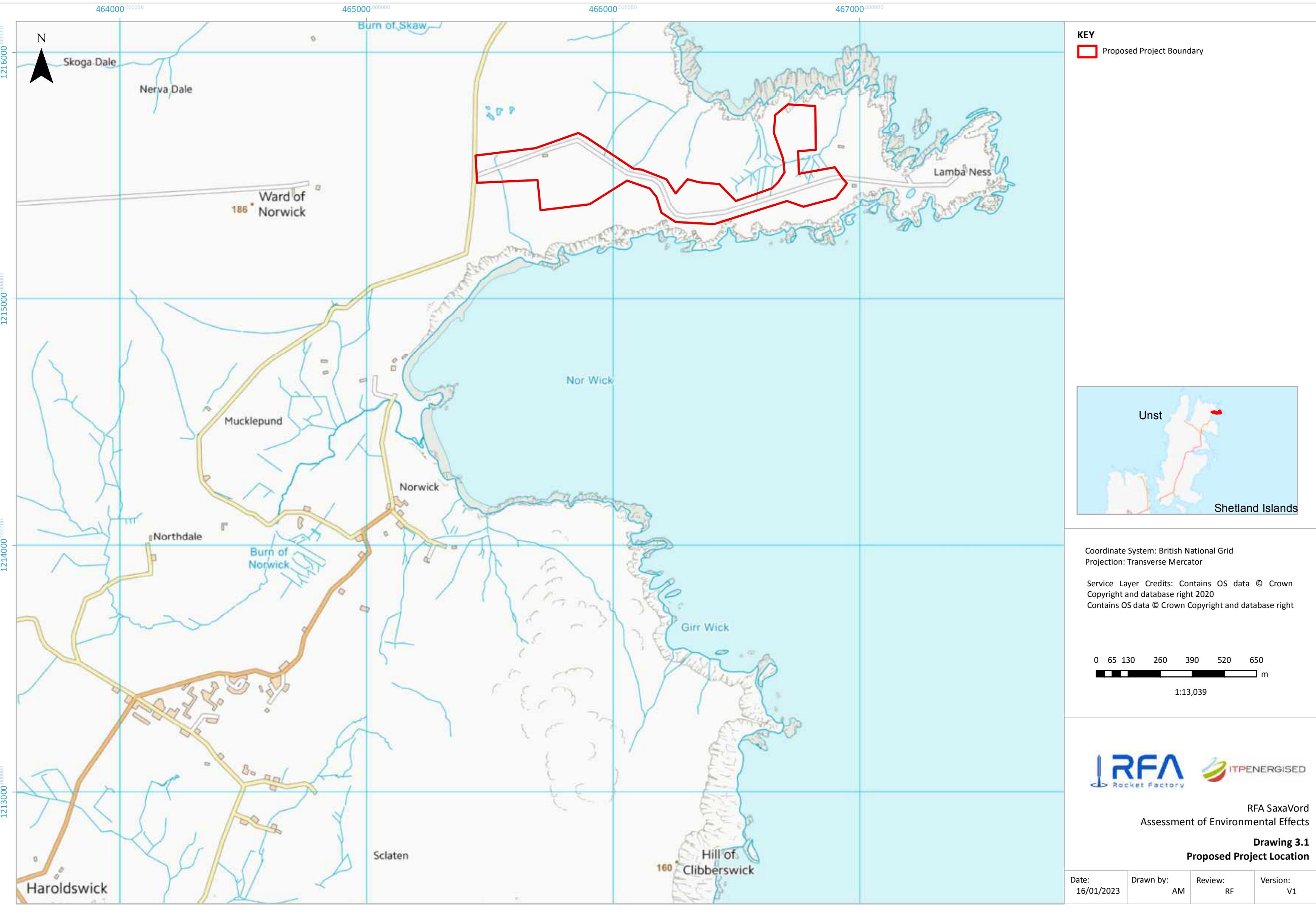


Chapter 2 Drawing 2.1 Study Areas within the Environmental Zone of Influence



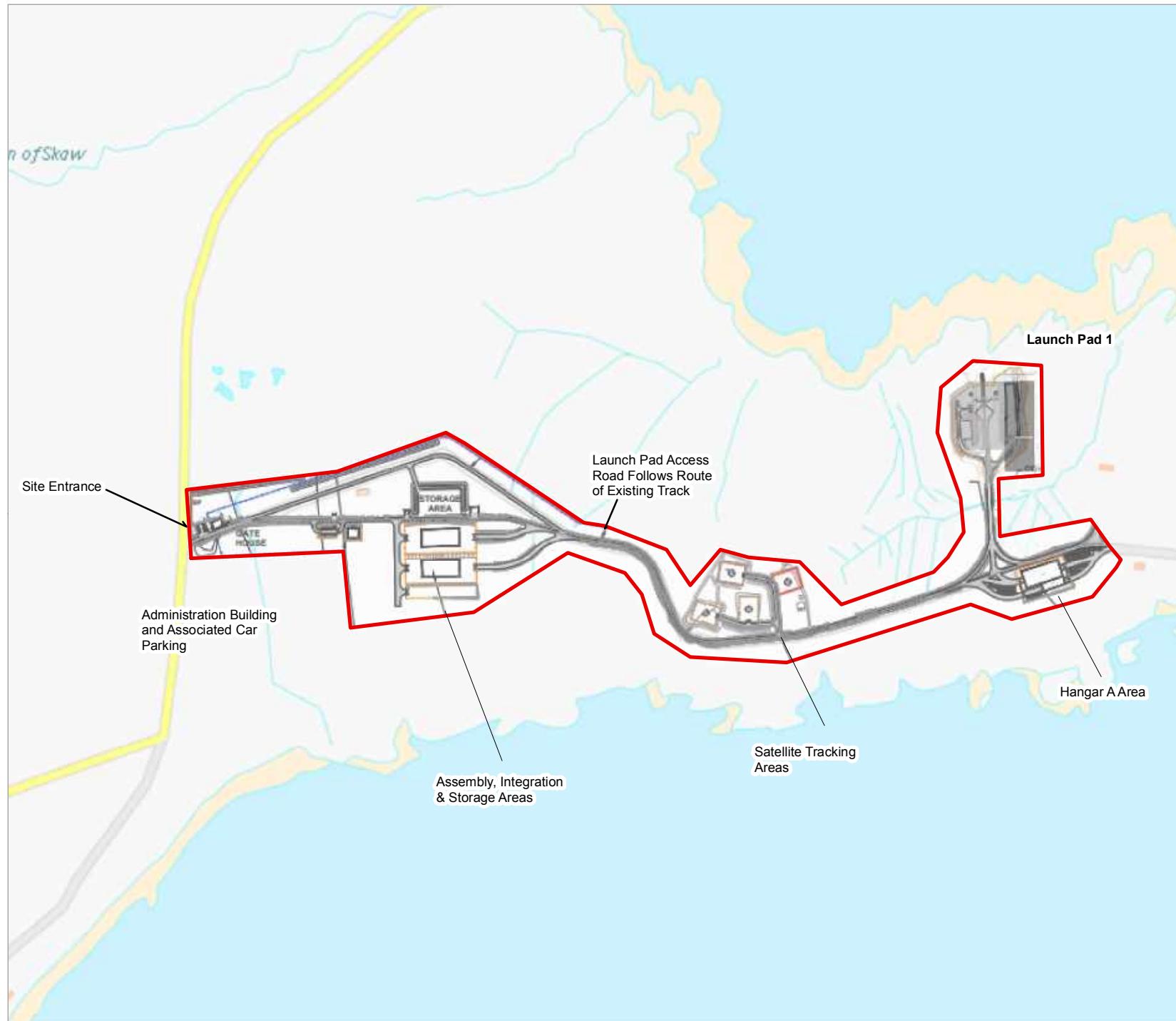
Chapter 3 Drawing 3.1 Proposed Project Location





Chapter 3 Drawing 3.2 Proposed Launch Site Layout





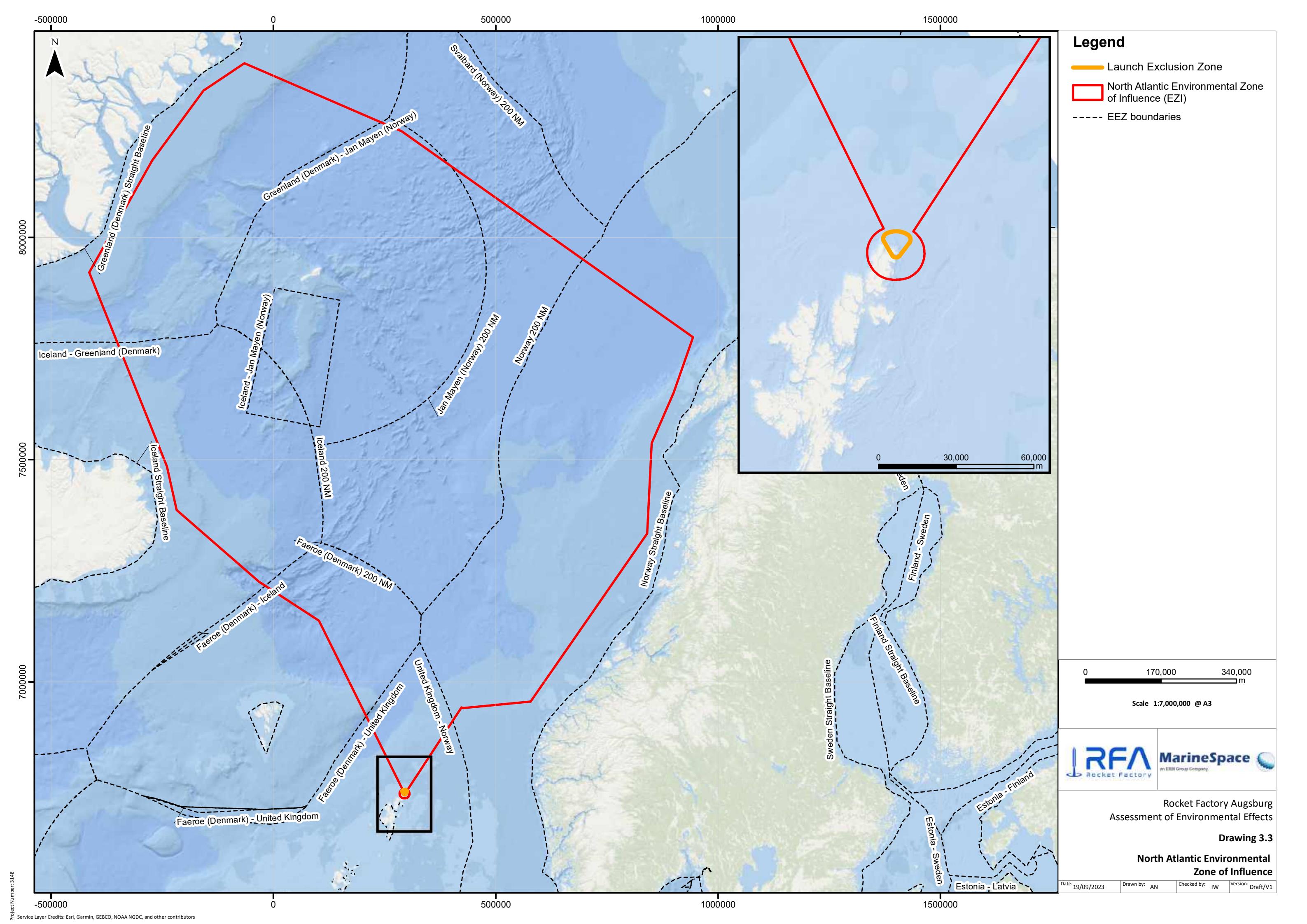
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 Projection: Transverse Mercator
 Service Layer Credits: Contains OS data © Crown Copyright and database right 2020; Historic Environment Scotland and Ordnance Survey data ©



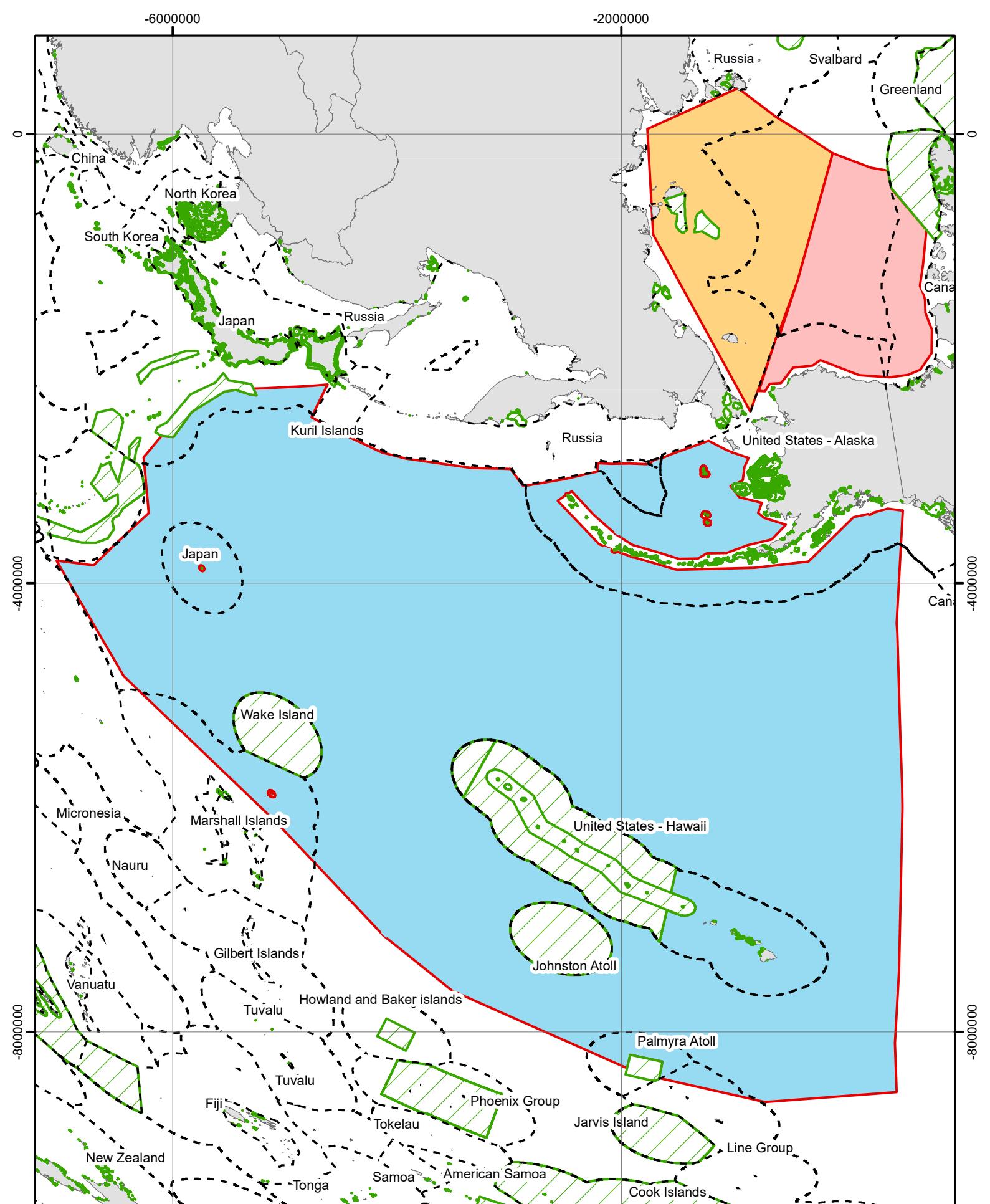
RFA SaxaVord
 Assessment of Environmental Effects
Drawing 3.2
Proposed Launch Site Layout

Date: 16/01/2023	Lead: AM	Review: RF	Version: V1
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Chapter 3 Drawing 3.3 North Atlantic Environmental Zone of Influence



Chapter 3 Drawing 3.4 Pacific Environmental Zone of Influence



Legend

- MPA
- Pacific EZI Section a
- Pacific EZI Section b
- Pacific EZI Section c
- EEZ

Rocket Factory Augsburg
Assessment of Environmental Effects
Drawing 3.4
Pacific Environmental Zone
of Influence



MarineSpace
an ERM Group Company



0 580 1,160 km

Scale : 1:42,000,000 @ A3 Date: 20/09/2023

Drawn by: AN Checked by: IW Version: Draft/V1

Chapter 3 Drawing 3.5 Launch Pad 1 Layout

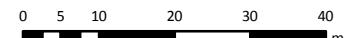
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Coordinate System: British National Grid
Projection: Transverse Mercator

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1:1,000



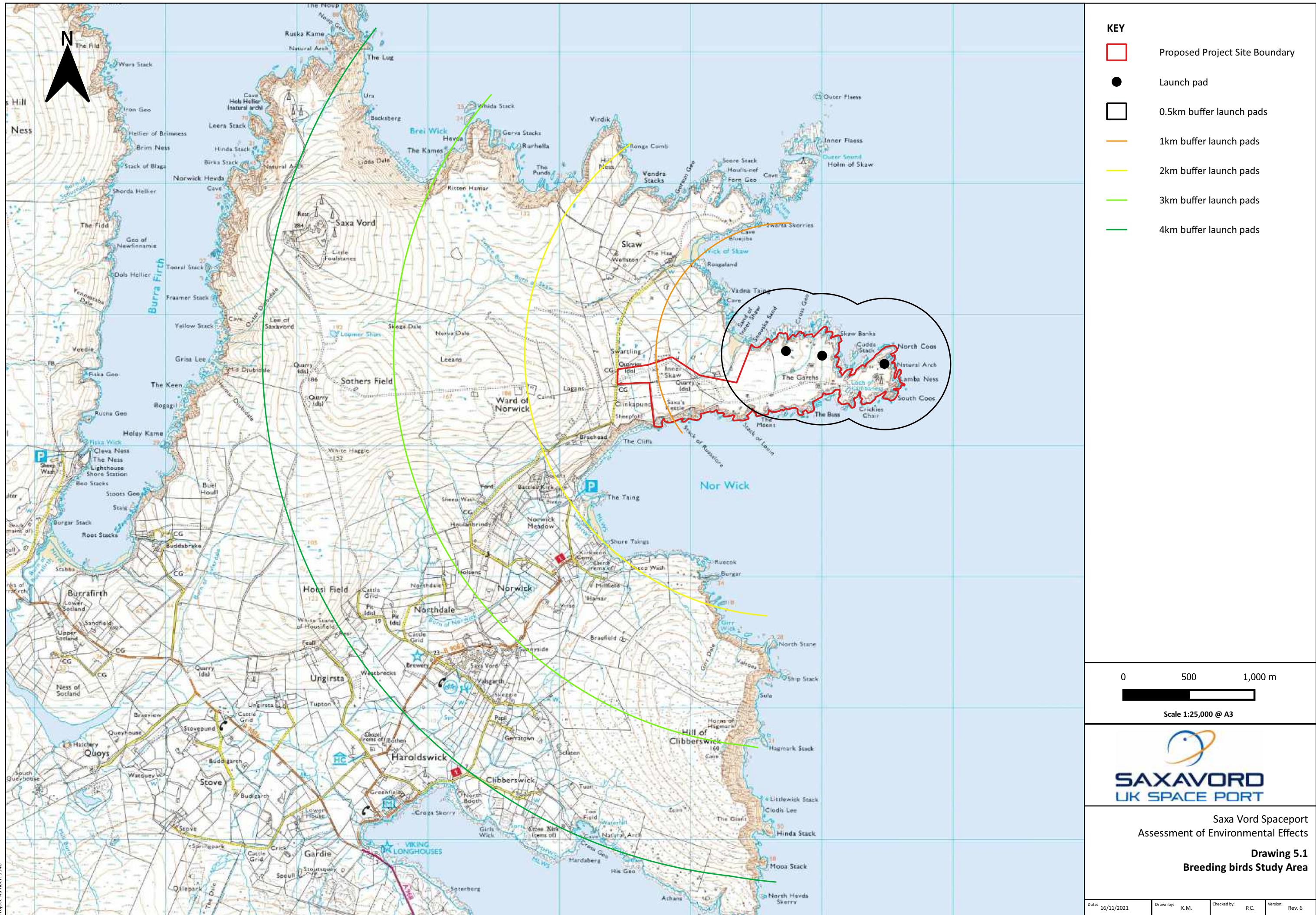
RFA SaxaVord
Assessment of Environmental Effects

Drawing 3.5
Launch Pad 1 Layout

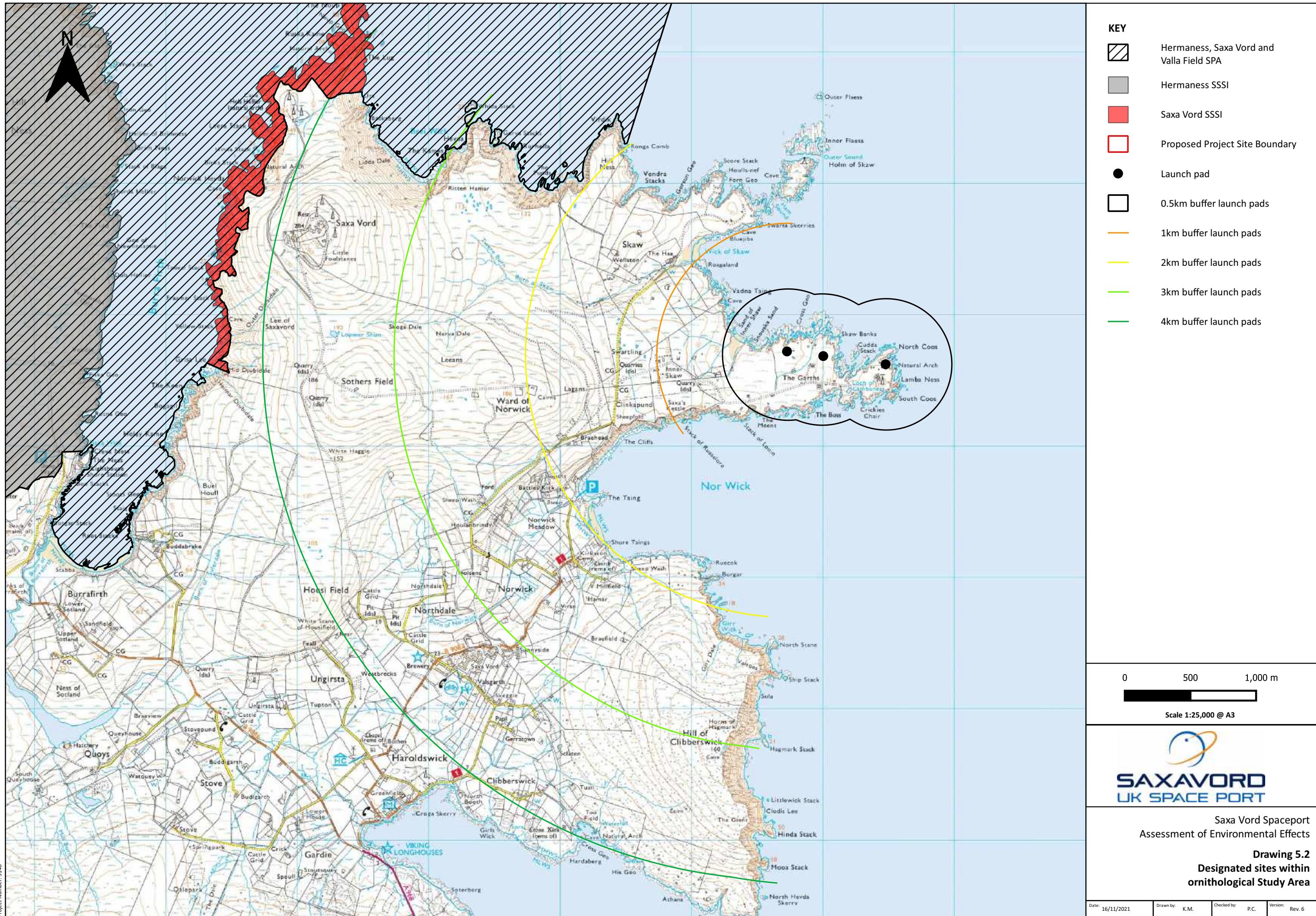
Date: 16/01/2023	Lead: AM	Review: RF	Version: V1
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Chapter 4 -

Chapter 5 SaxaVord Spaceport Drawing 5.1 Breeding Birds Study Area

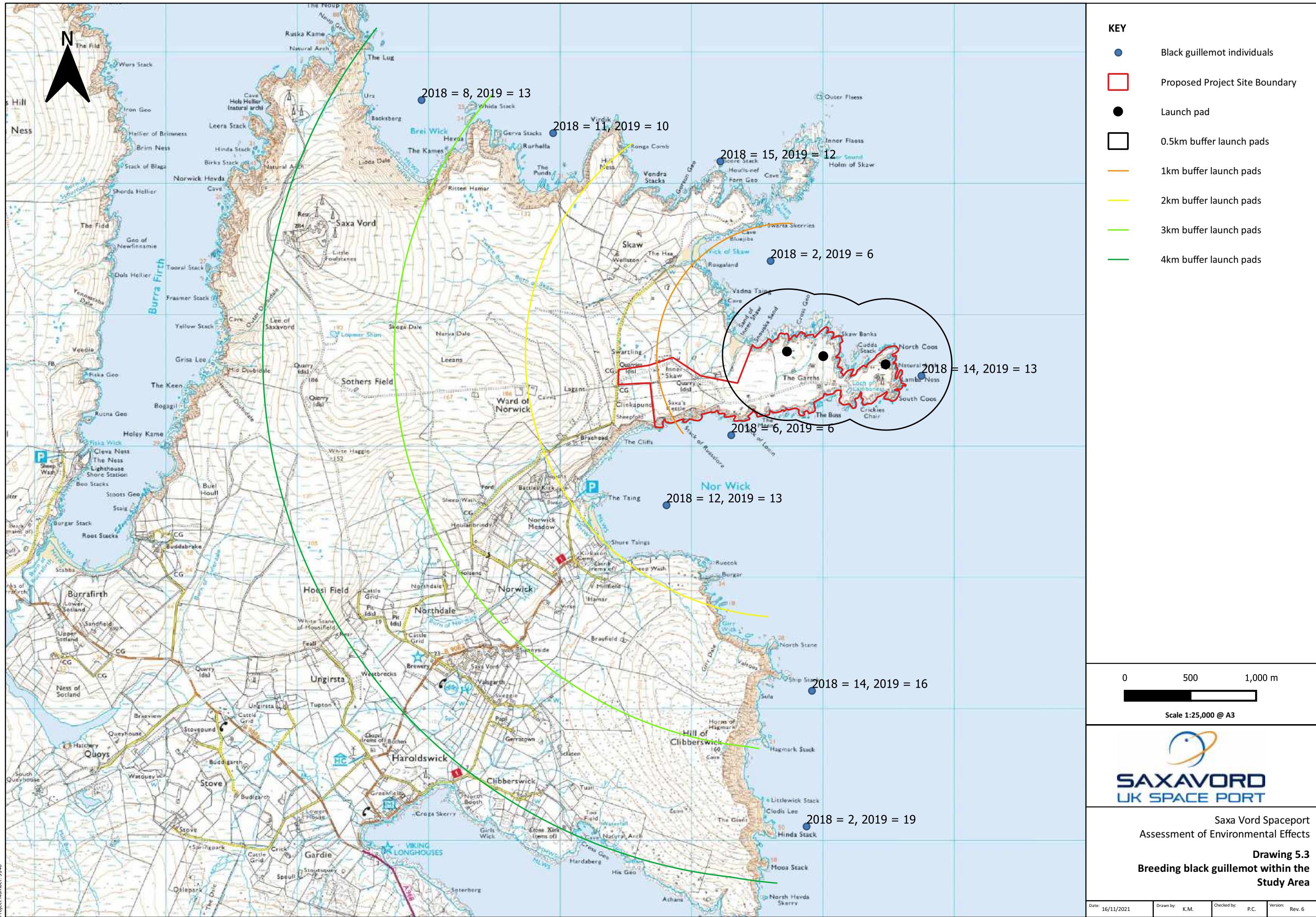


Chapter 5 SaxaVord Spaceport Drawing 5.2 Designated Sites



Chapter 5 SaxaVord Spaceport Drawing 5.3 Breeding Black Guillemot within EZI





Chapter 5 SaxaVord Spaceport Drawing 5.4 Breeding Shag within EZI



KEY

- ▲ Shag Apparently Occupied Nests
- Proposed Project Site Boundary
- Launch pad
- 0.5km buffer launch pads
- 1km buffer launch pads
- 2km buffer launch pads
- 3km buffer launch pads
- 4km buffer launch pads

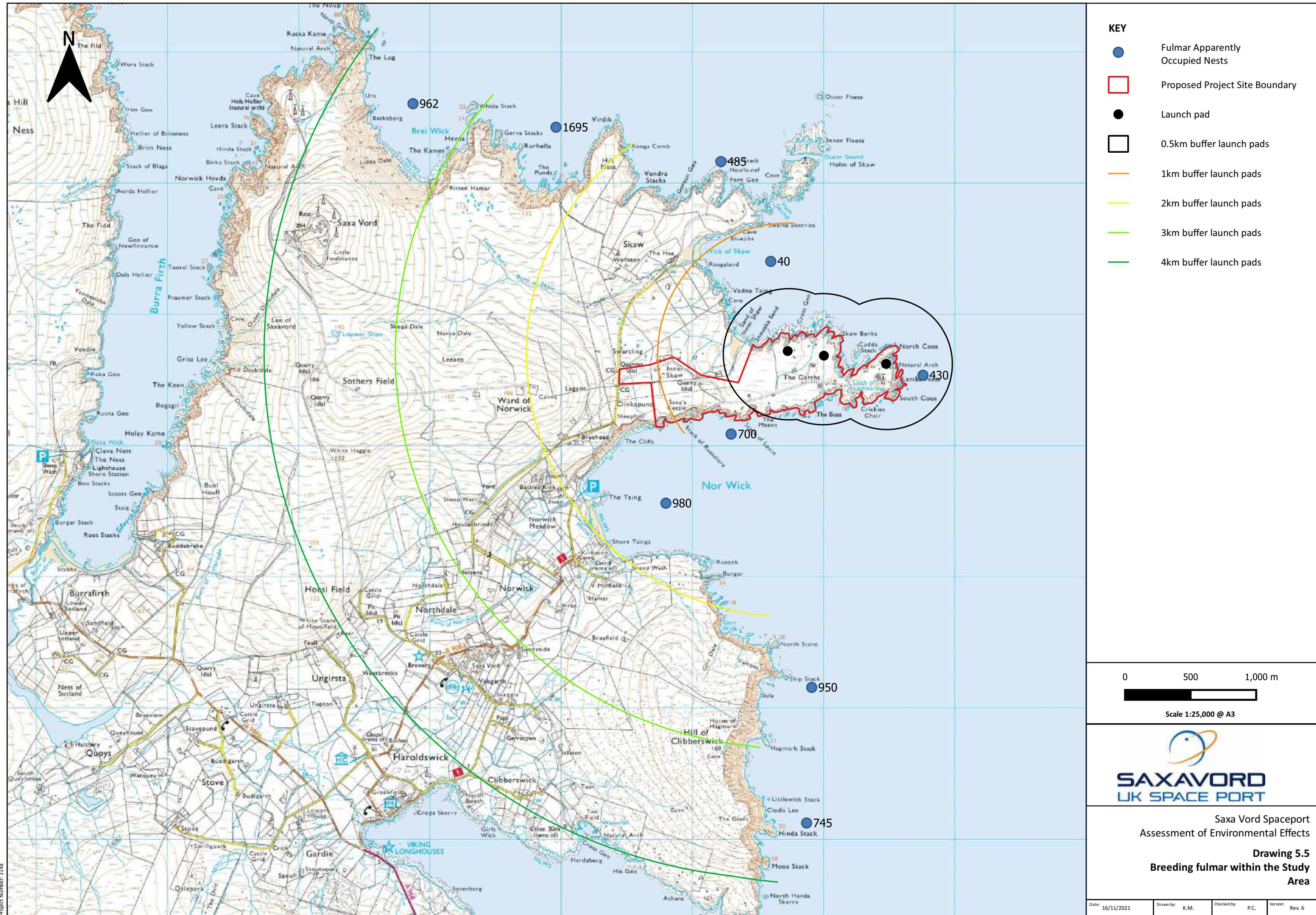
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Scale 1:25,000 @ A3

SAXAVORD
UK SPACE PORT

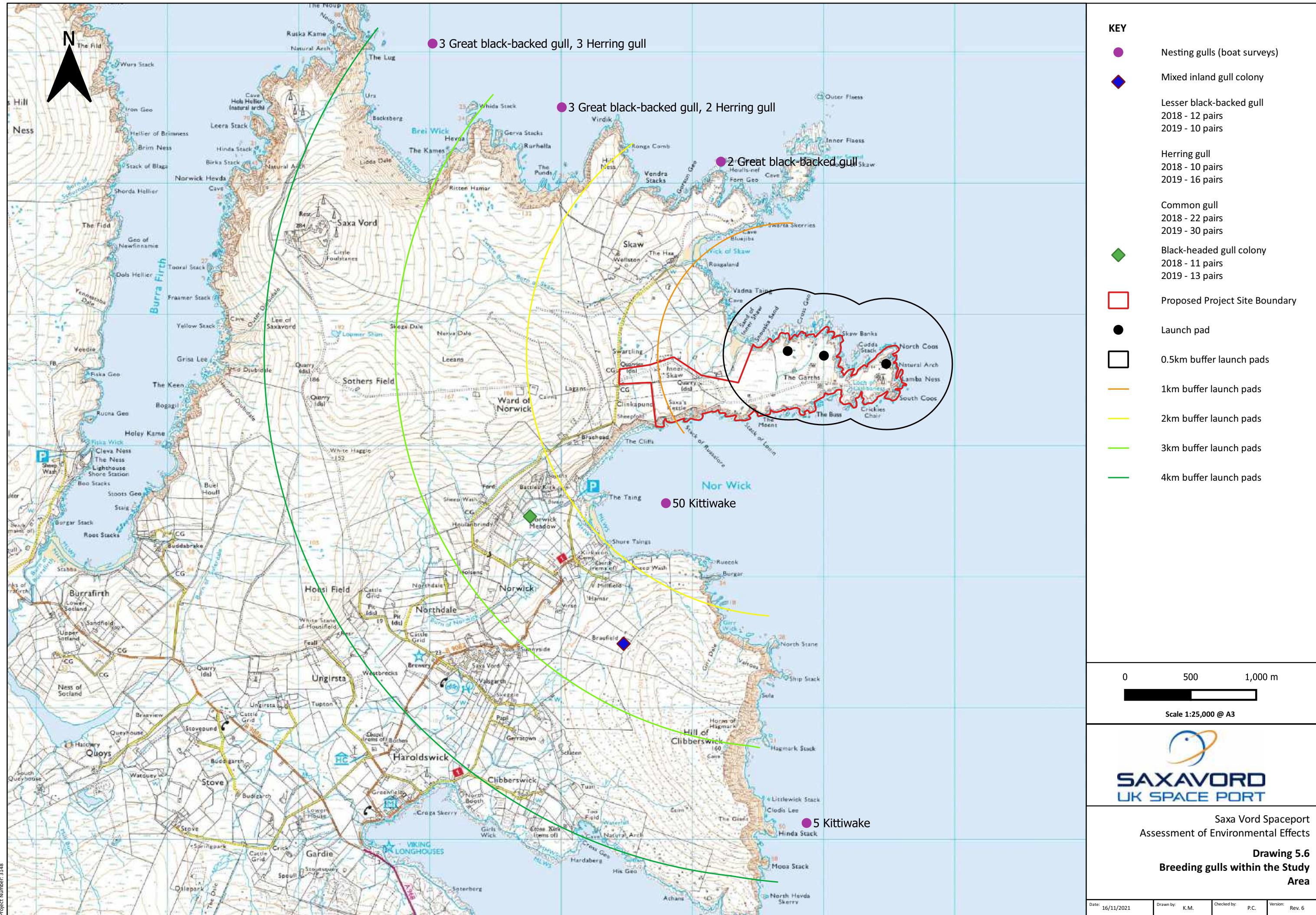
Saxa Vord Spaceport
Assessment of Environmental Effects
Drawing 5.4
Breeding shag within the Study
Area

Date: 16/11/2021 Drawn by: K.M. Checked by: P.C. Version: Rev. 6

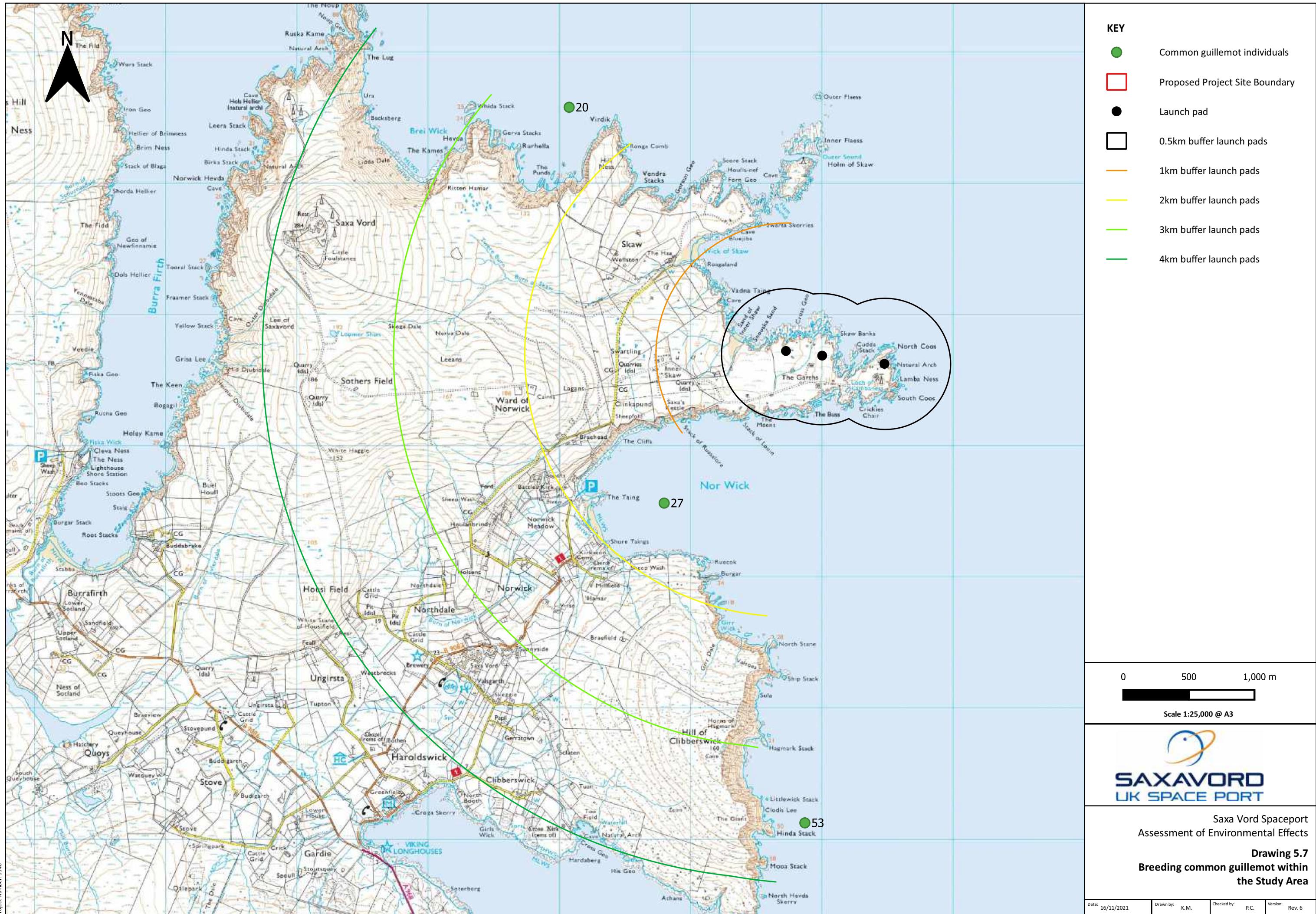
Chapter 5 SaxaVord Spaceport Drawing 5.5 Breeding Fulmar within EZI



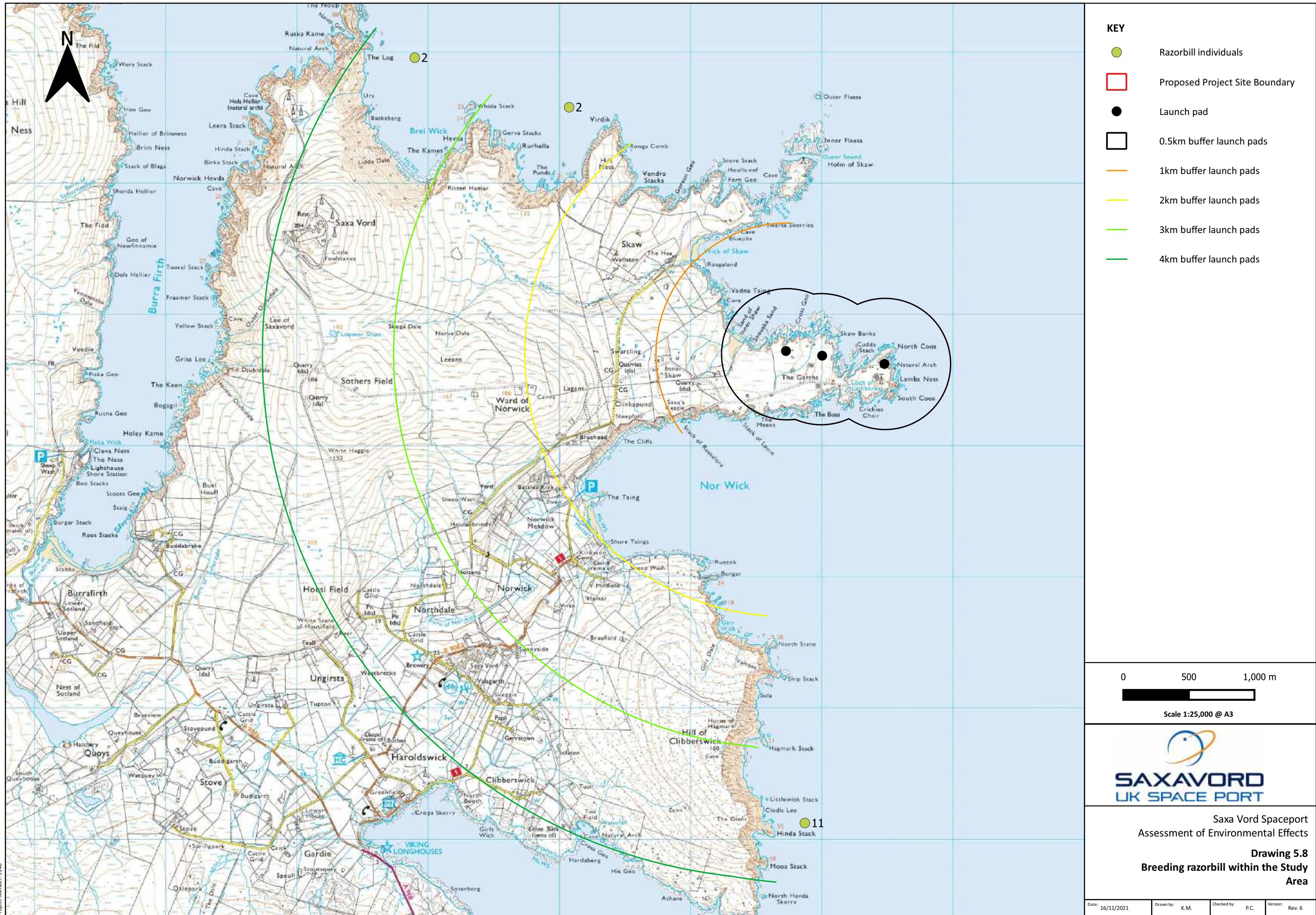
Chapter 5 SaxaVord Spaceport Drawing 5.6 Breeding Gulls within EZI



Chapter 5 SaxaVord Spaceport Drawing 5.7 Breeding Common Guillemot within EZI

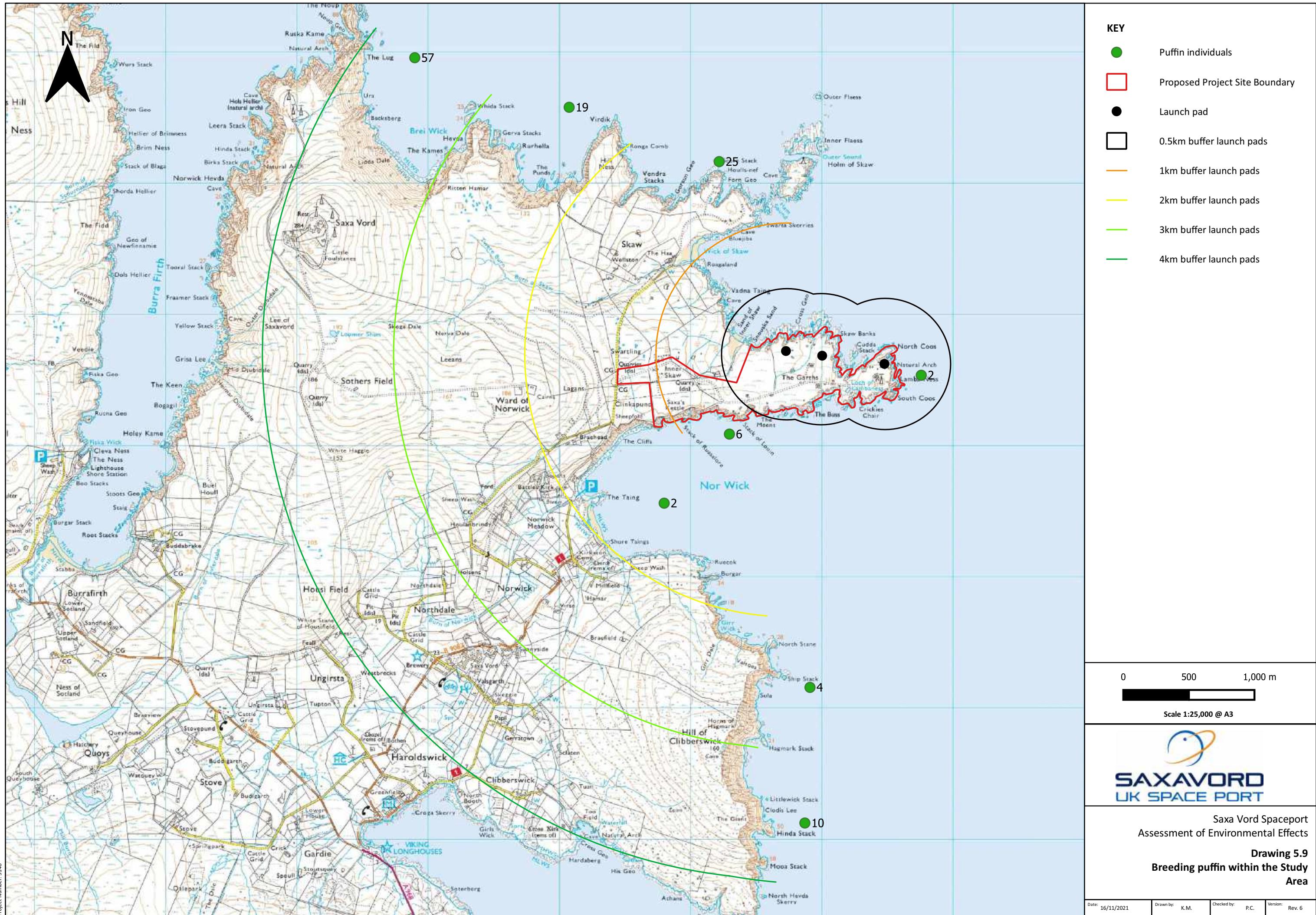


Chapter 5 SaxaVord Spaceport Drawing 5.8 Breeding Razorbill within EZI

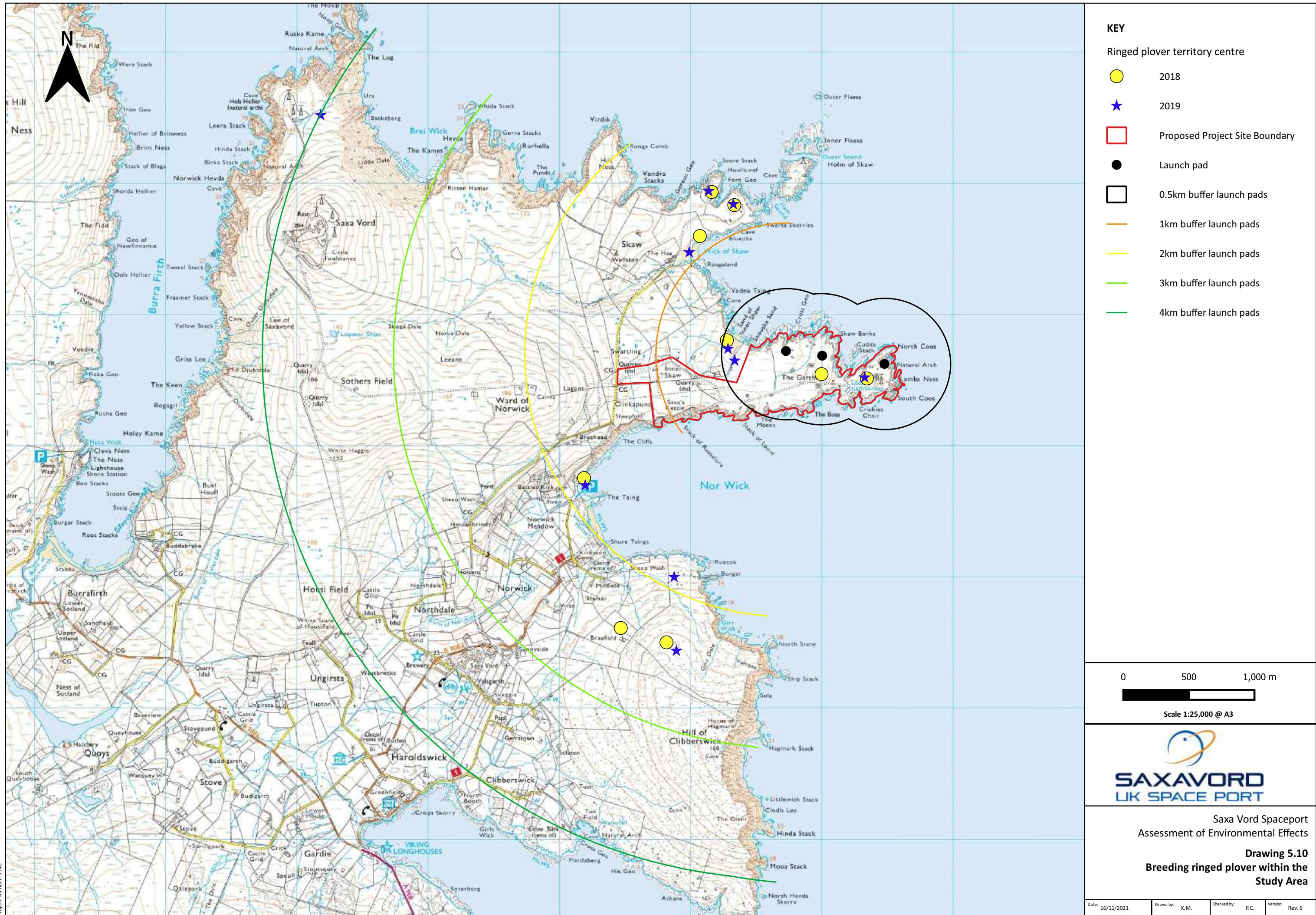


Chapter 5 SaxaVord Spaceport Drawing 5.9 Breeding Puffins within EZI



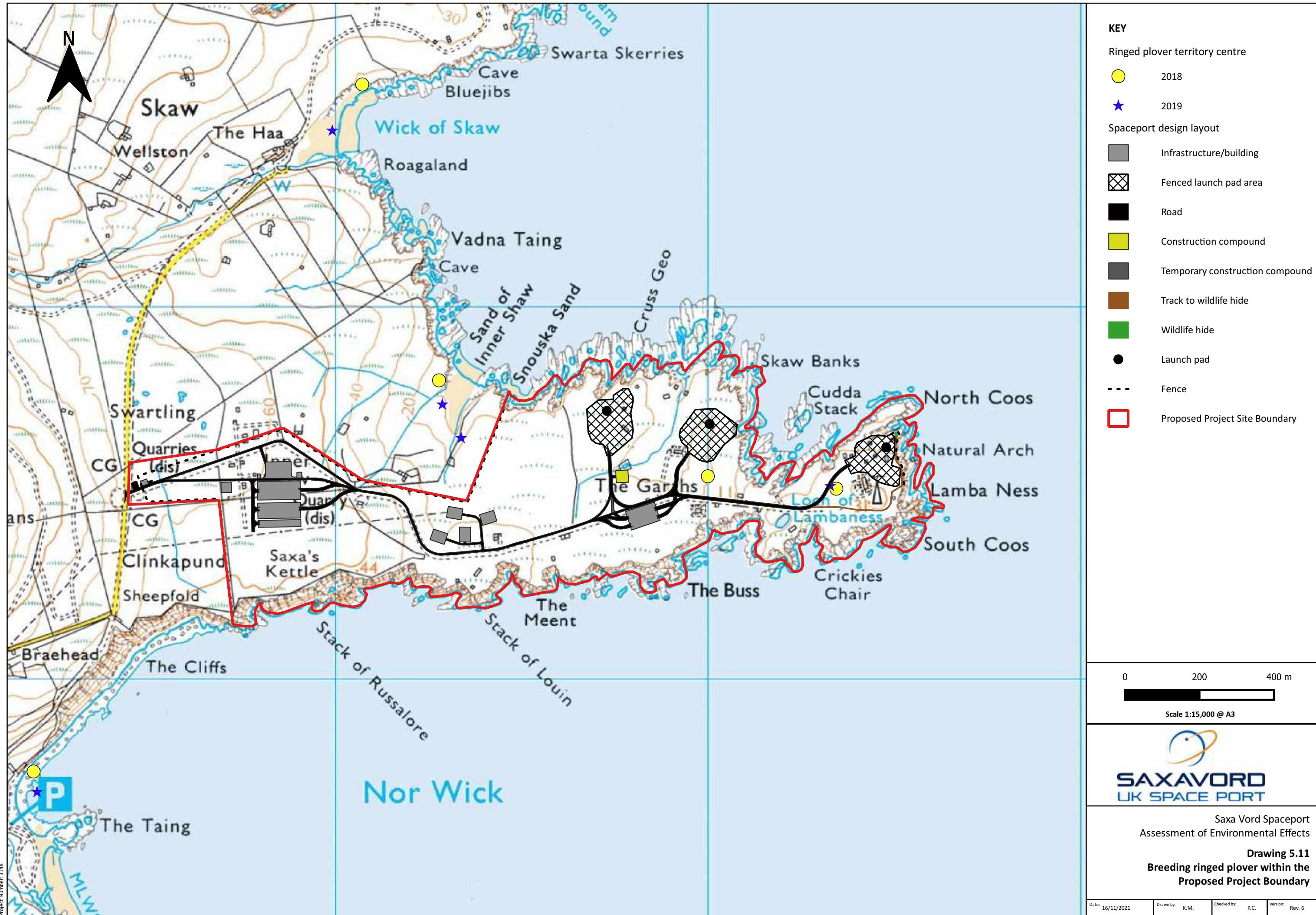


Chapter 5 SaxaVord Spaceport Drawing 5.10 Breeding Ringed Plover within EZI

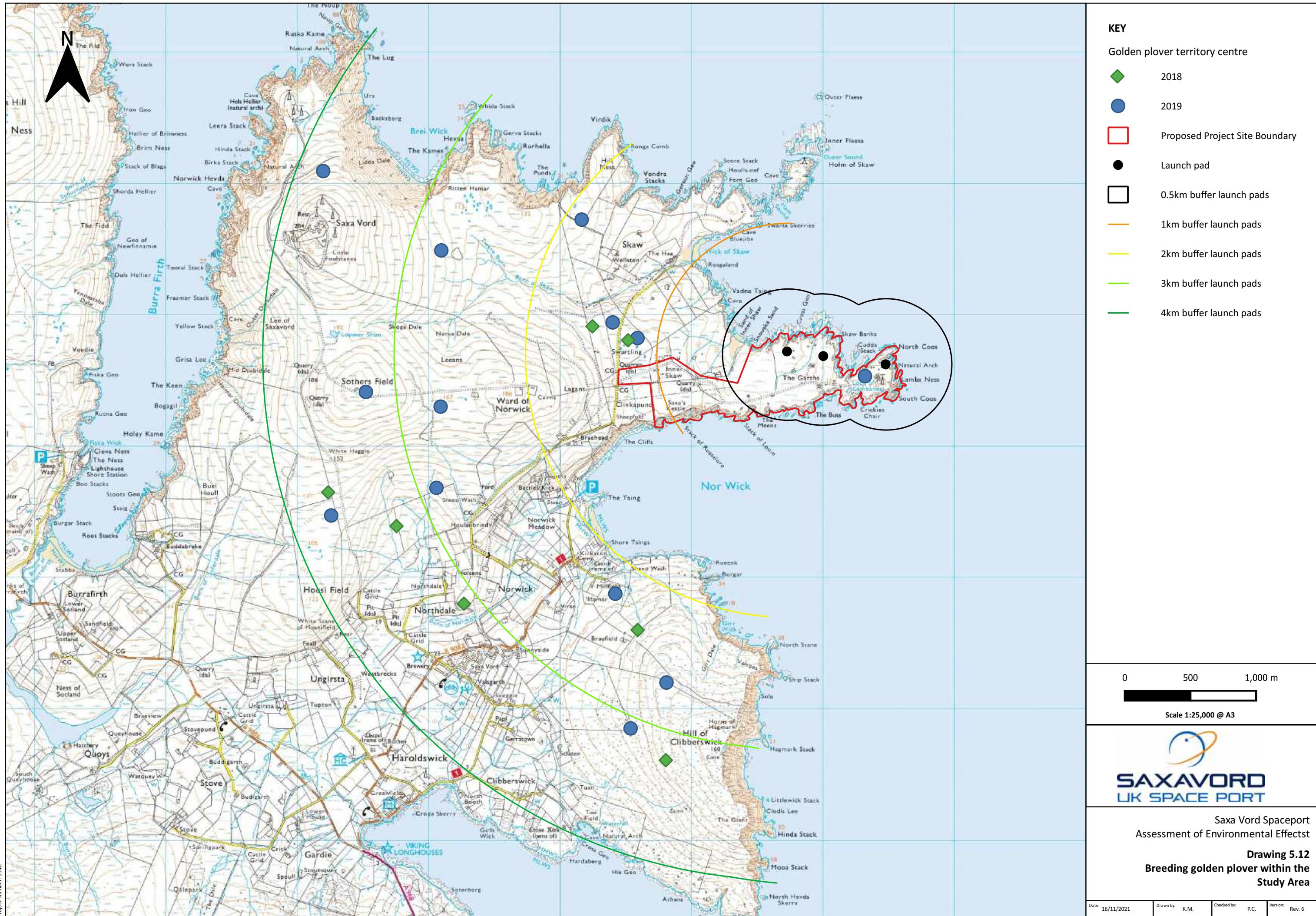


Chapter 5 SaxaVord Spaceport Drawing 5.11 Breeding Ringed Plover within the Proposed Project Boundary



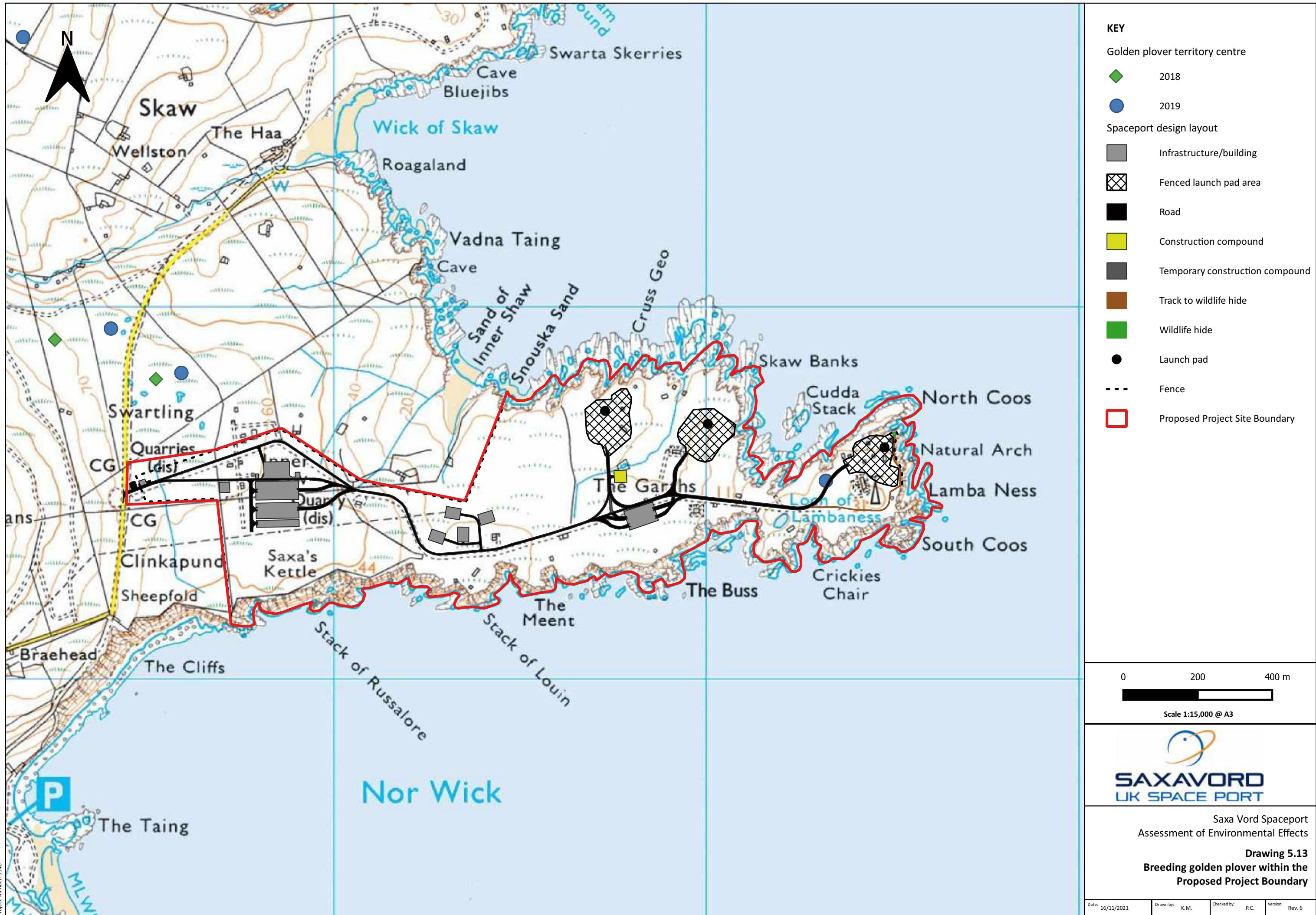


Chapter 5 SaxaVord Spaceport Drawing 5.12 Breeding Golden Plover within EZI



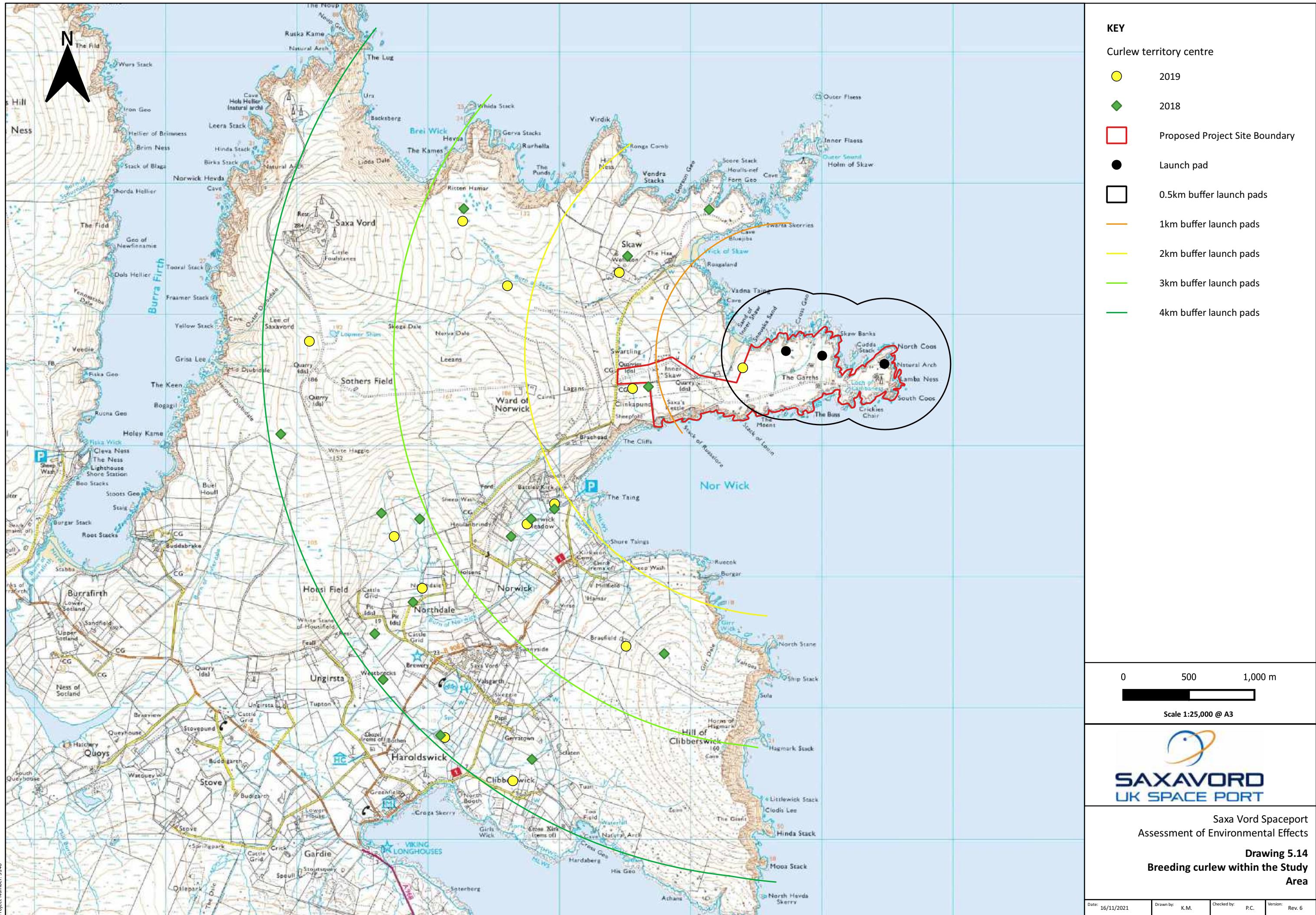
Chapter 5 SaxaVord Spaceport Drawing 5.13 Breeding Golden Plover within Proposed Project Boundary





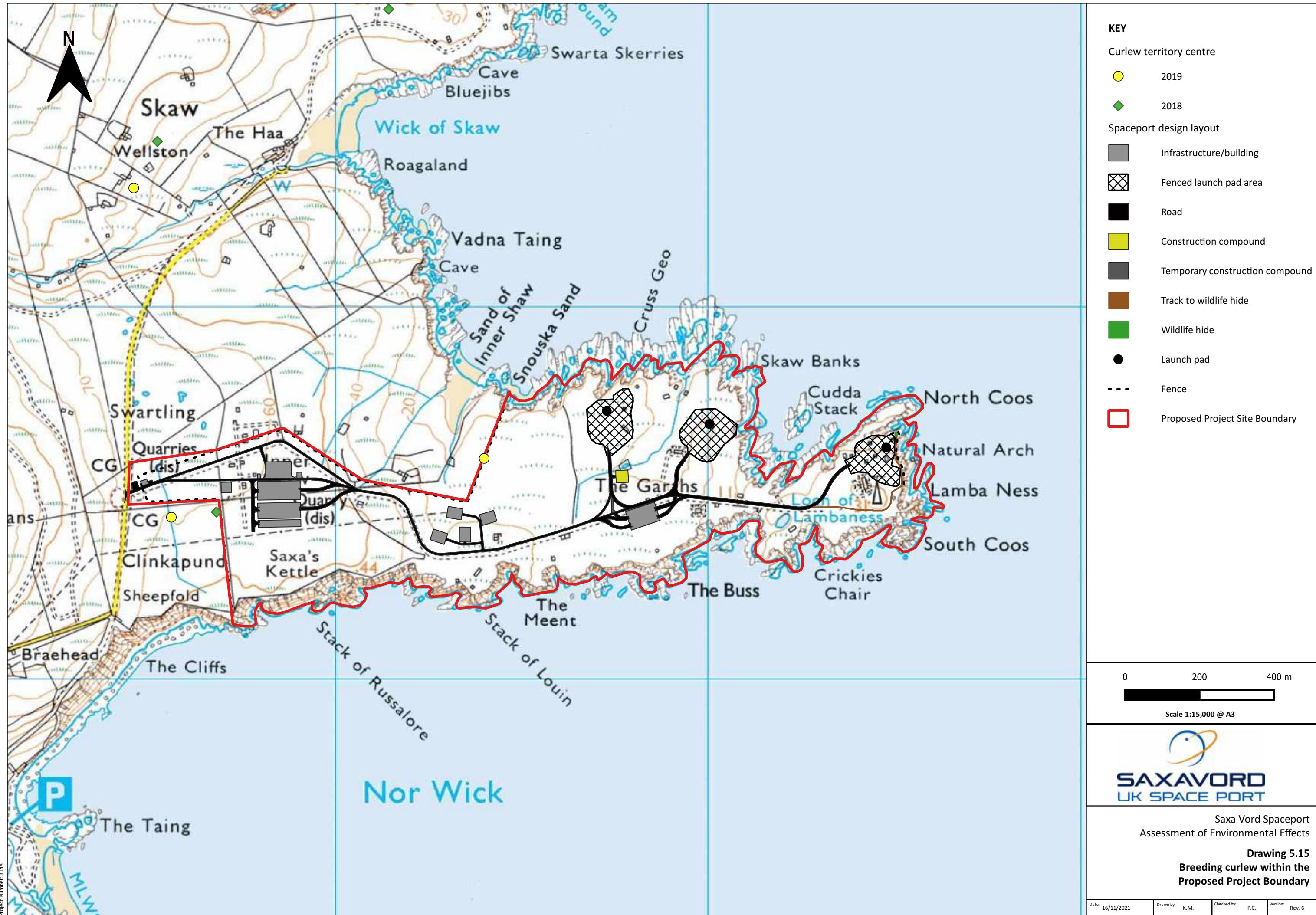
Chapter 5 SaxaVord Spaceport Drawing 5.14 Breeding Curlew within EZI





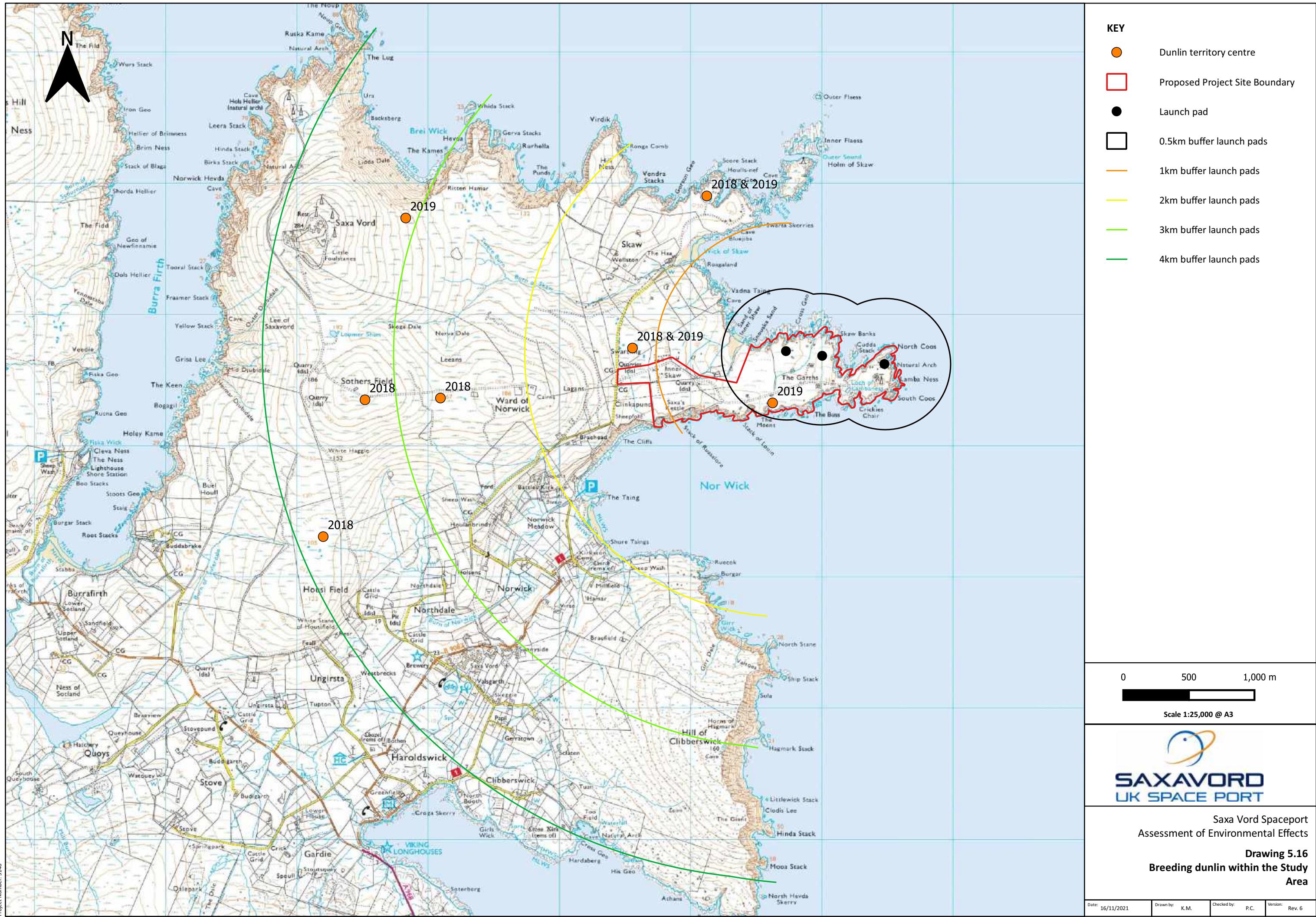
Chapter 5 SaxaVord Spaceport Drawing 5.15 Breeding Curlew within Proposed Project Boundary



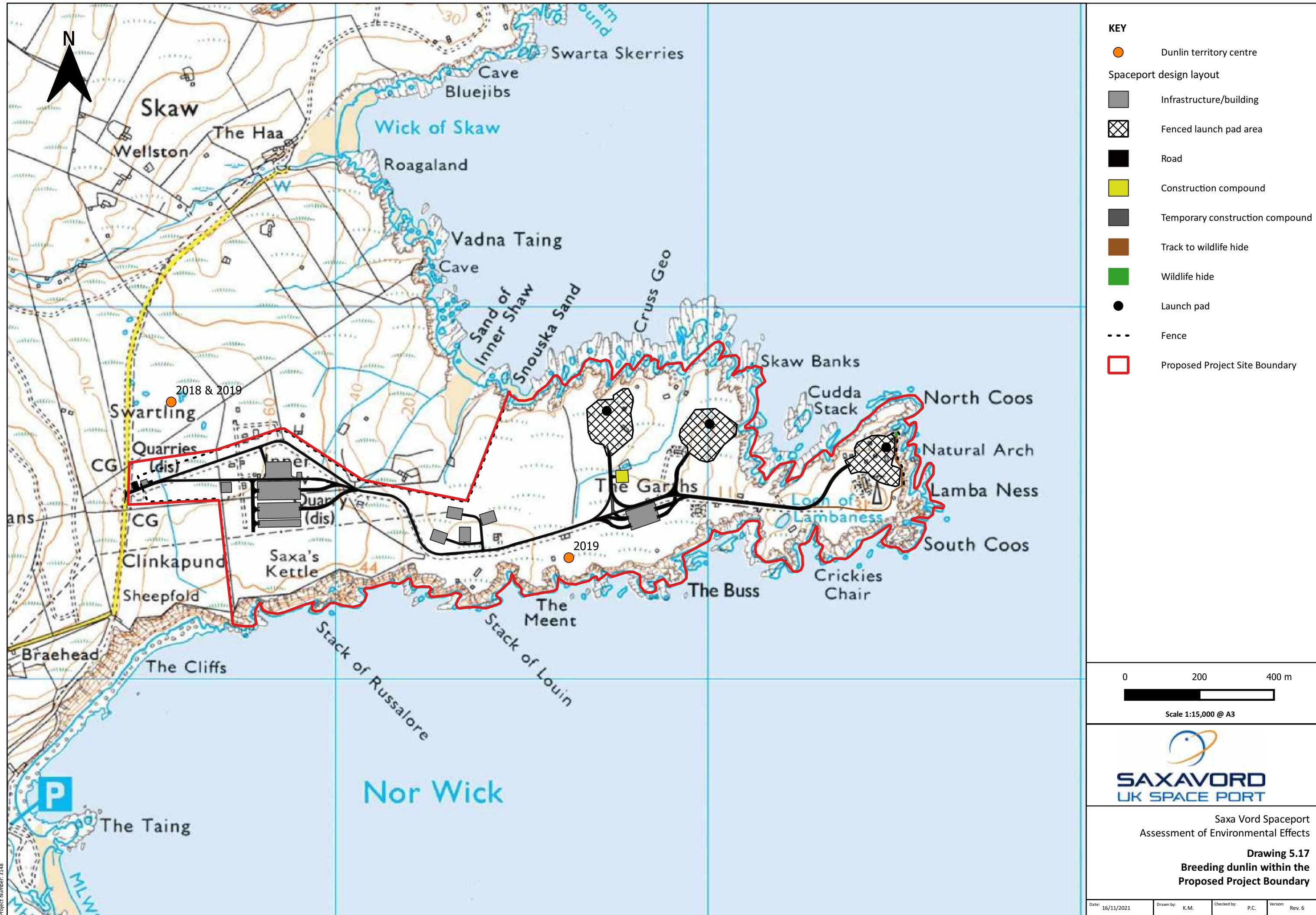


Chapter 5 SaxaVord Spaceport Drawing 5.16 Breeding Dunlin within EZI

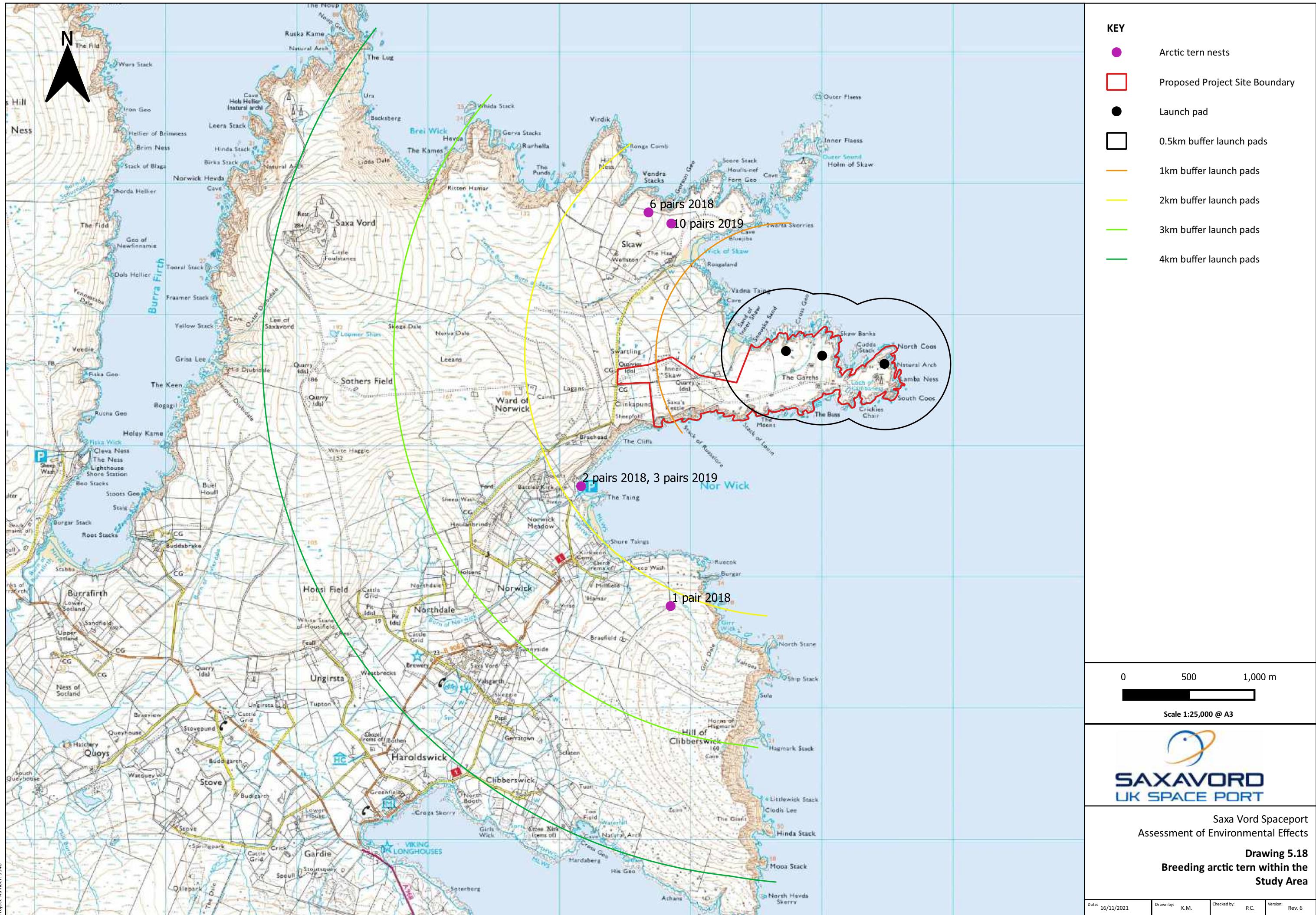




Chapter 5 SaxaVord Spaceport Drawing 5.17 Breeding Dunlin within Proposed Project Boundary

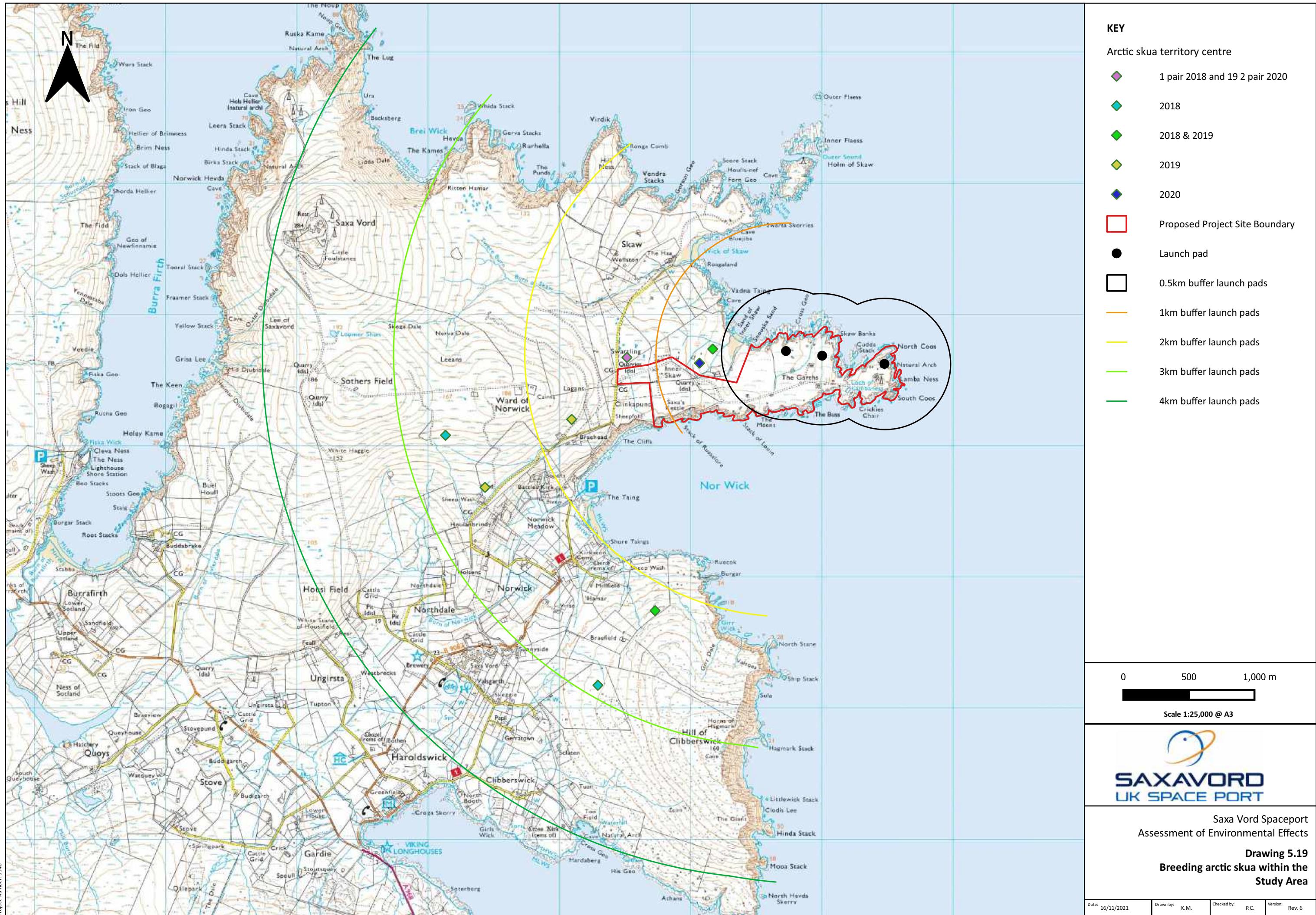


Chapter 5 SaxaVord Spaceport Drawing 5.18 Breeding Arctic Tern within EZI

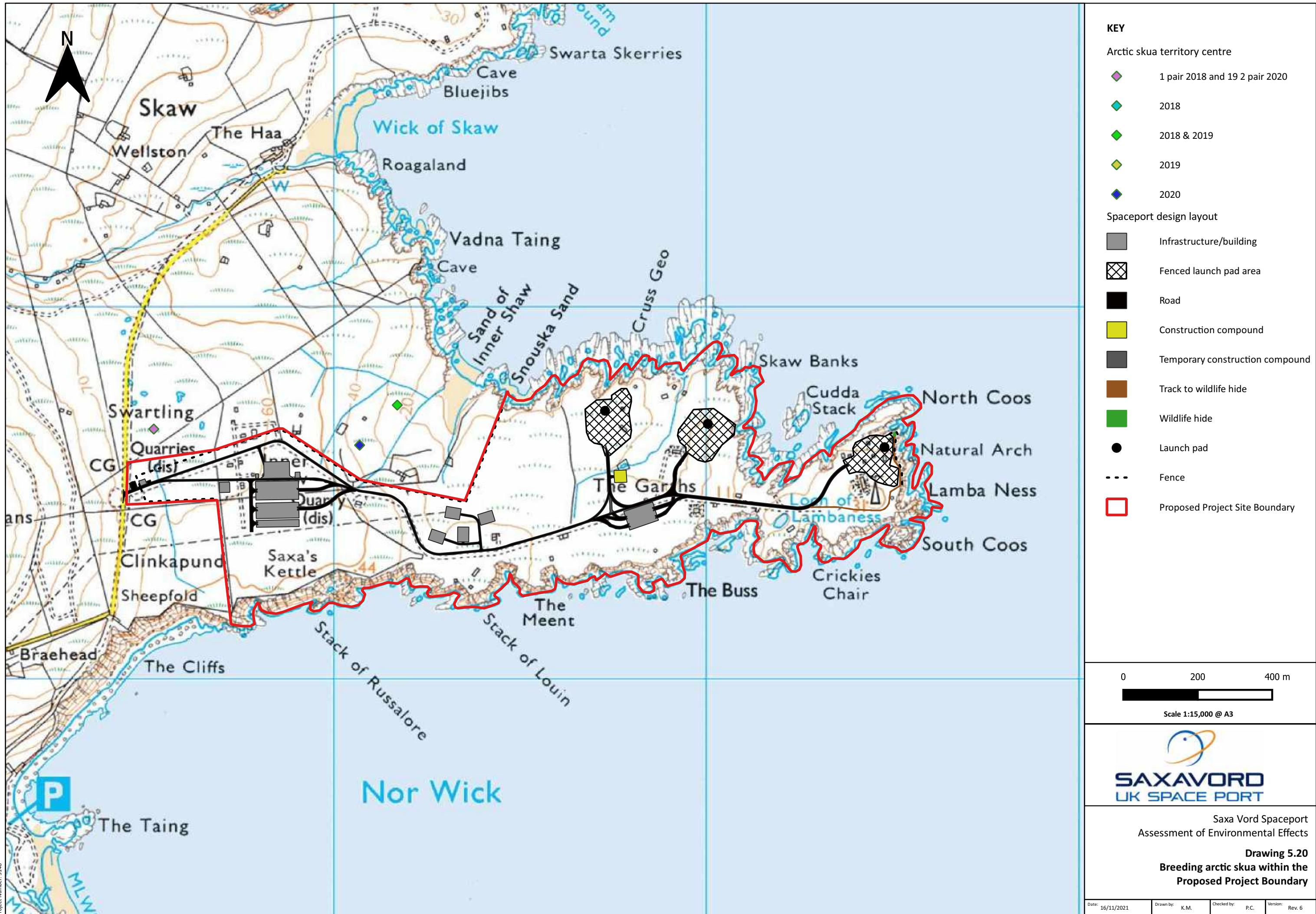


Chapter 5 SaxaVord Spaceport Drawing 5.19 Breeding Arctic Skua within EZI

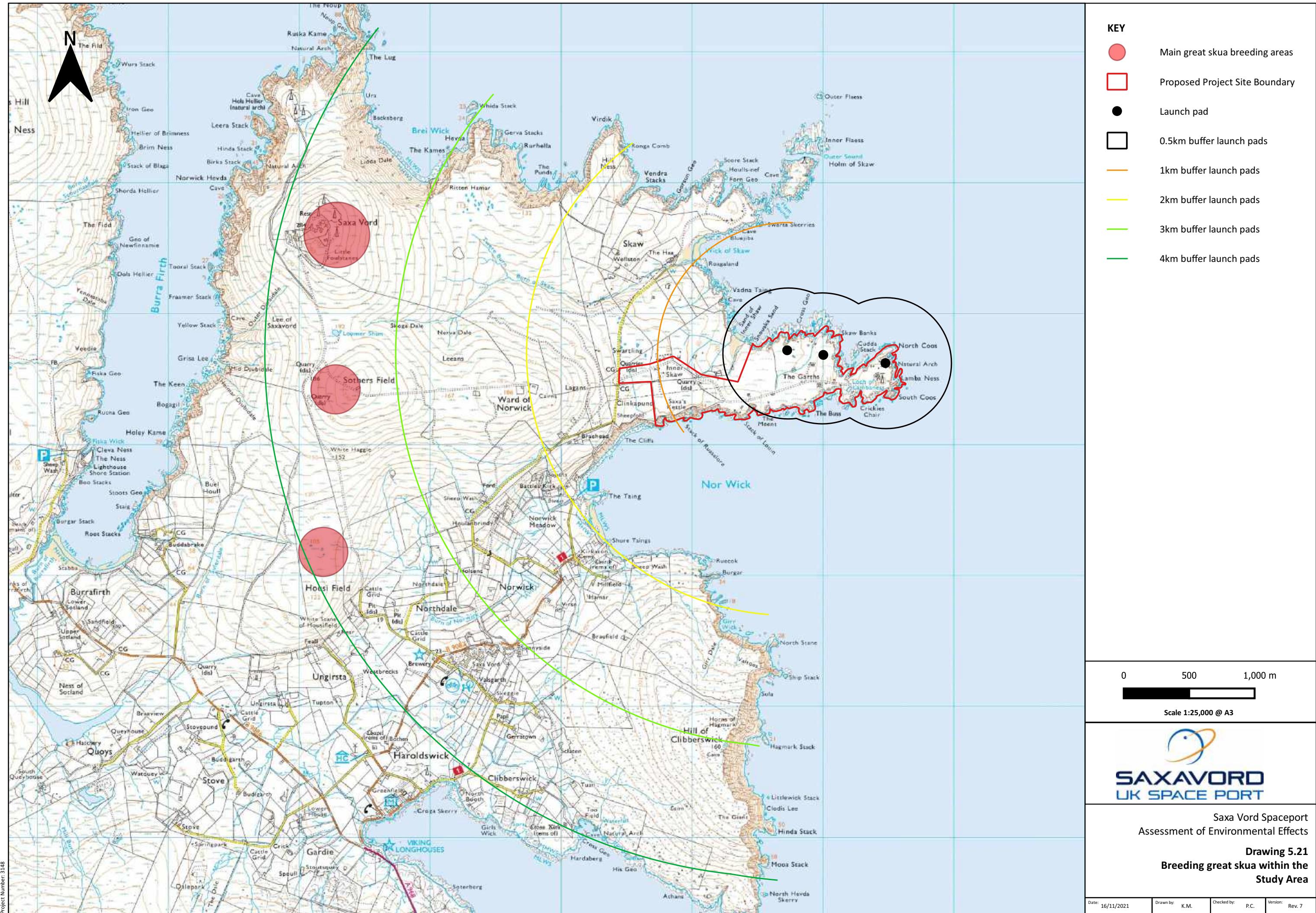




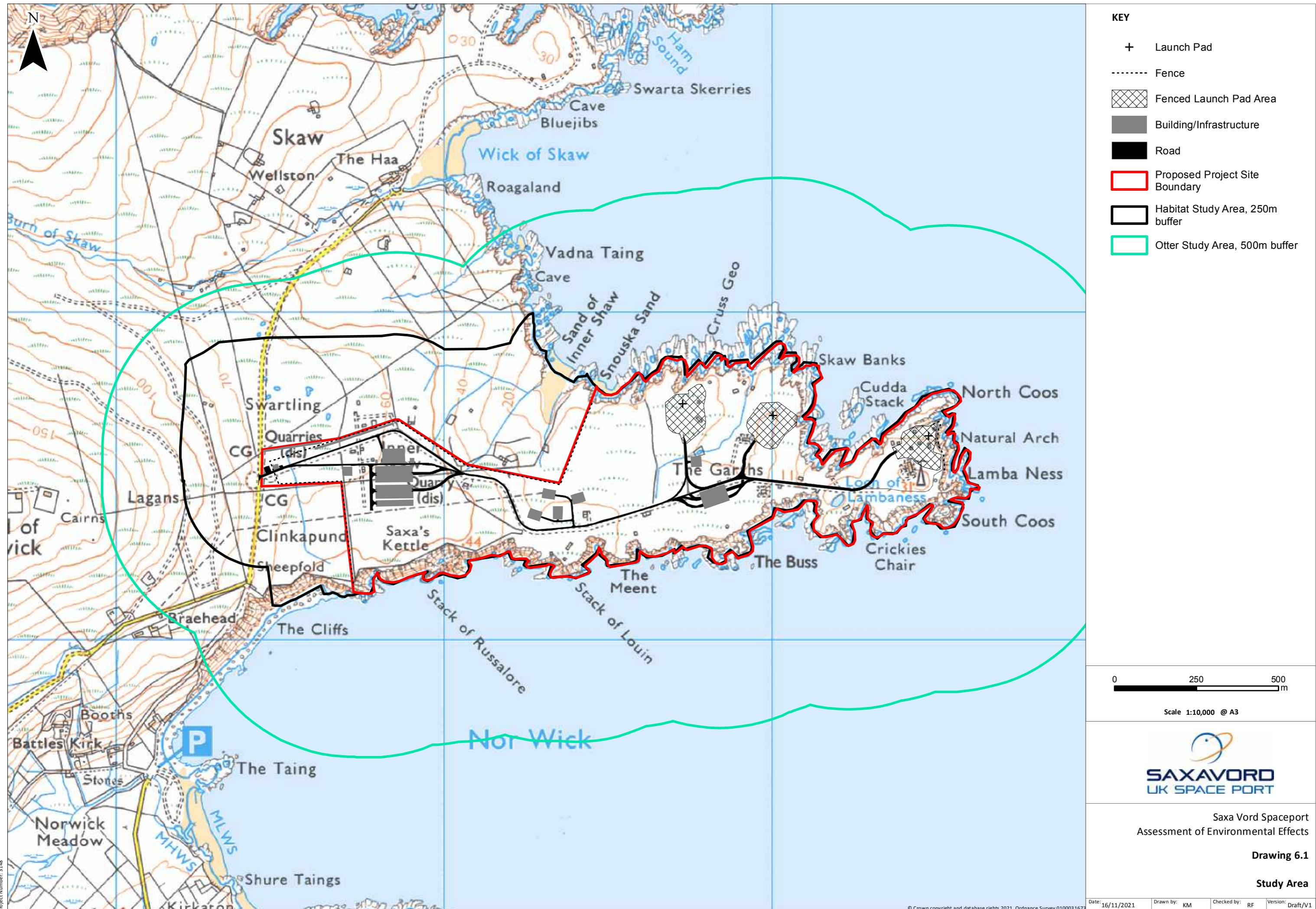
Chapter 5 SaxaVord Spaceport Drawing 5.20 Breeding Arctic Skua within Proposed Project Boundary



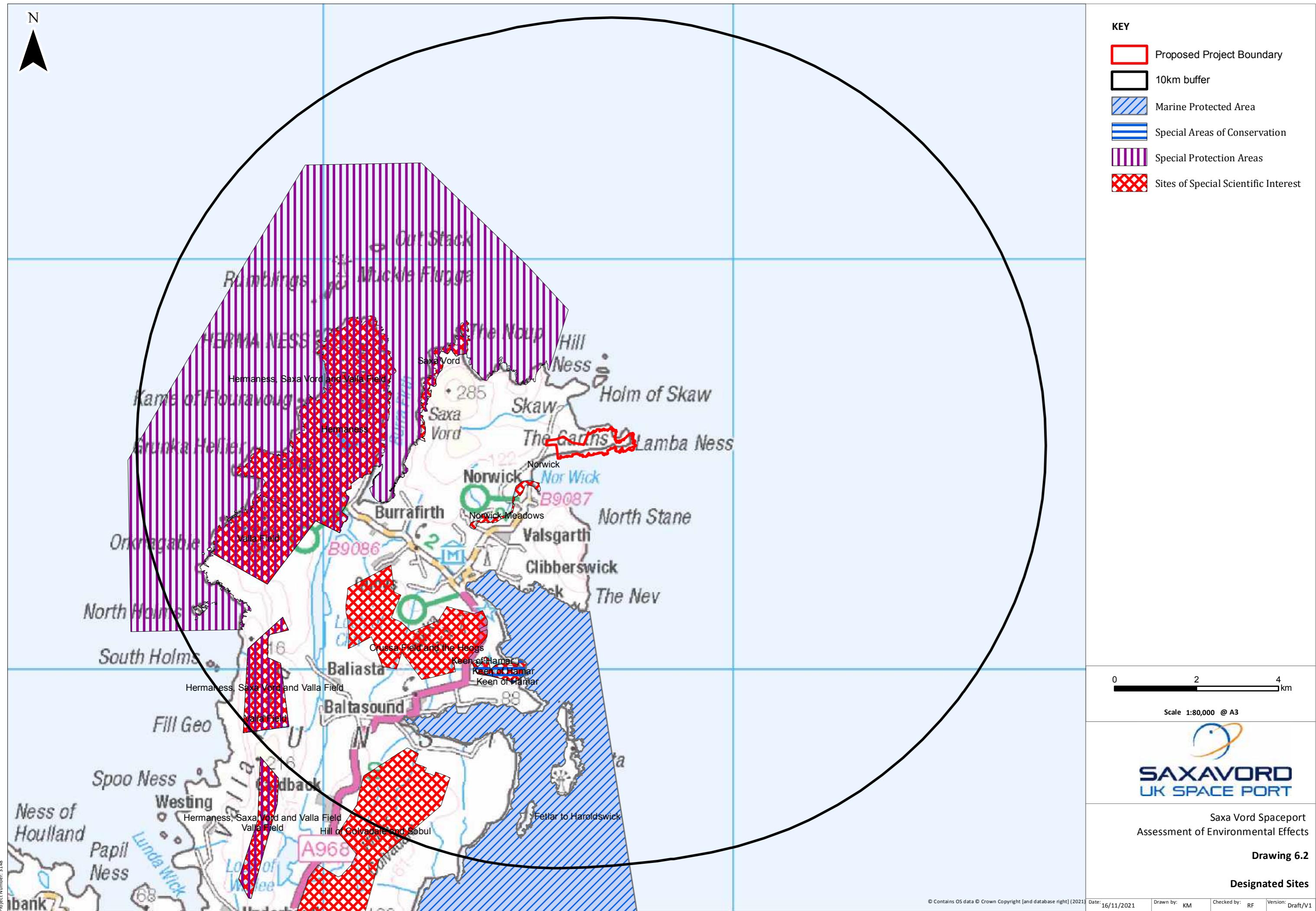
Chapter 5 SaxaVord Spaceport Drawing 5.21 Breeding Great Skua within EZI



Chapter 6 SaxaVord Spaceport Drawing 6.1 Ecology Study Area



Chapter 6 SaxaVord Spaceport Drawing 6.2 Designated Sites



Chapter 6 SaxaVord Spaceport Drawing 6.3 Phase 1 Habitat Study Area



Chapter 6 SaxaVord Spaceport Drawing 6.4 NVC Habitat Study Area

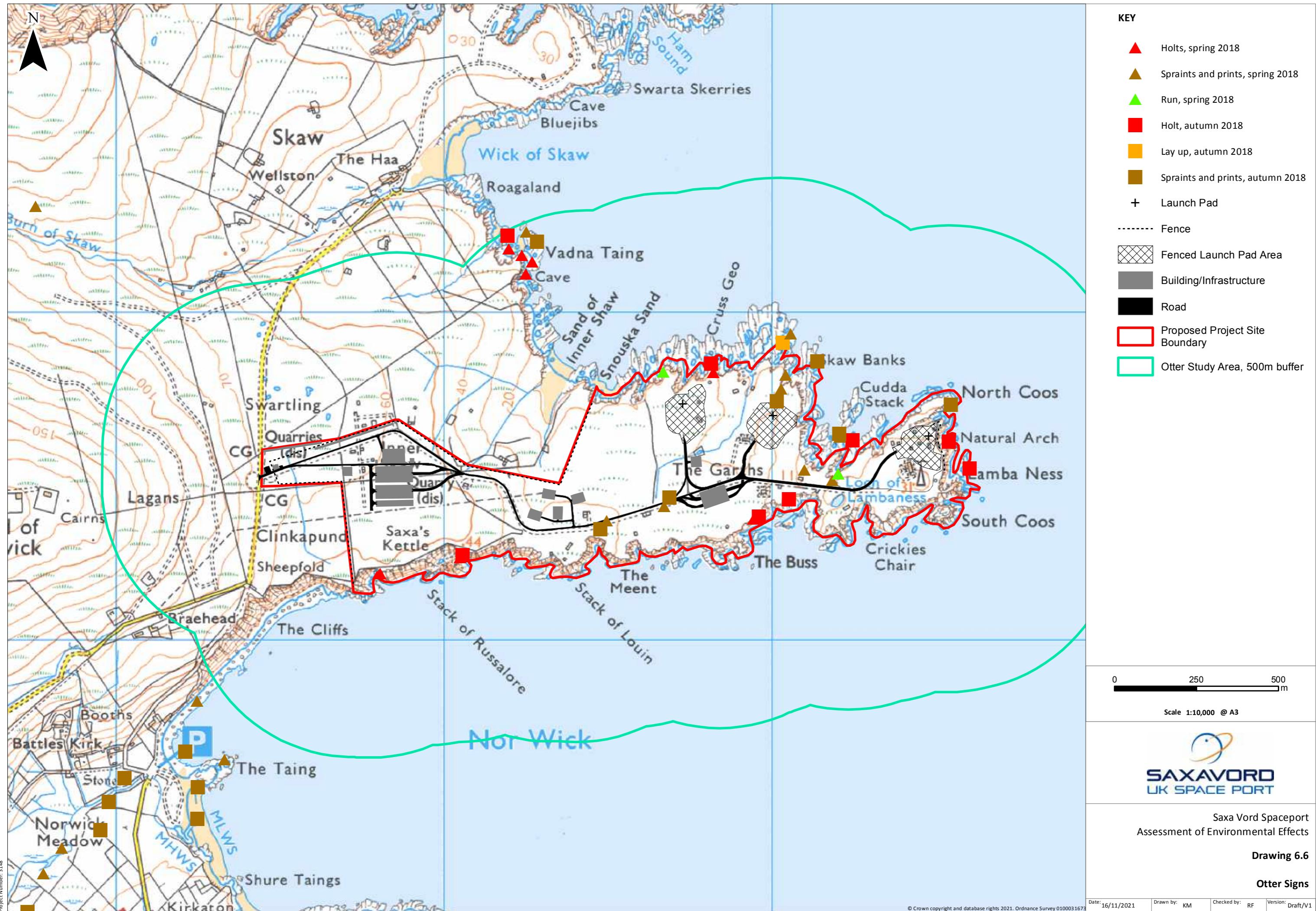




Chapter 6 SaxaVord Spaceport Drawing 6.5 Potential Ground Water Dependant Terrestrial Ecosystems

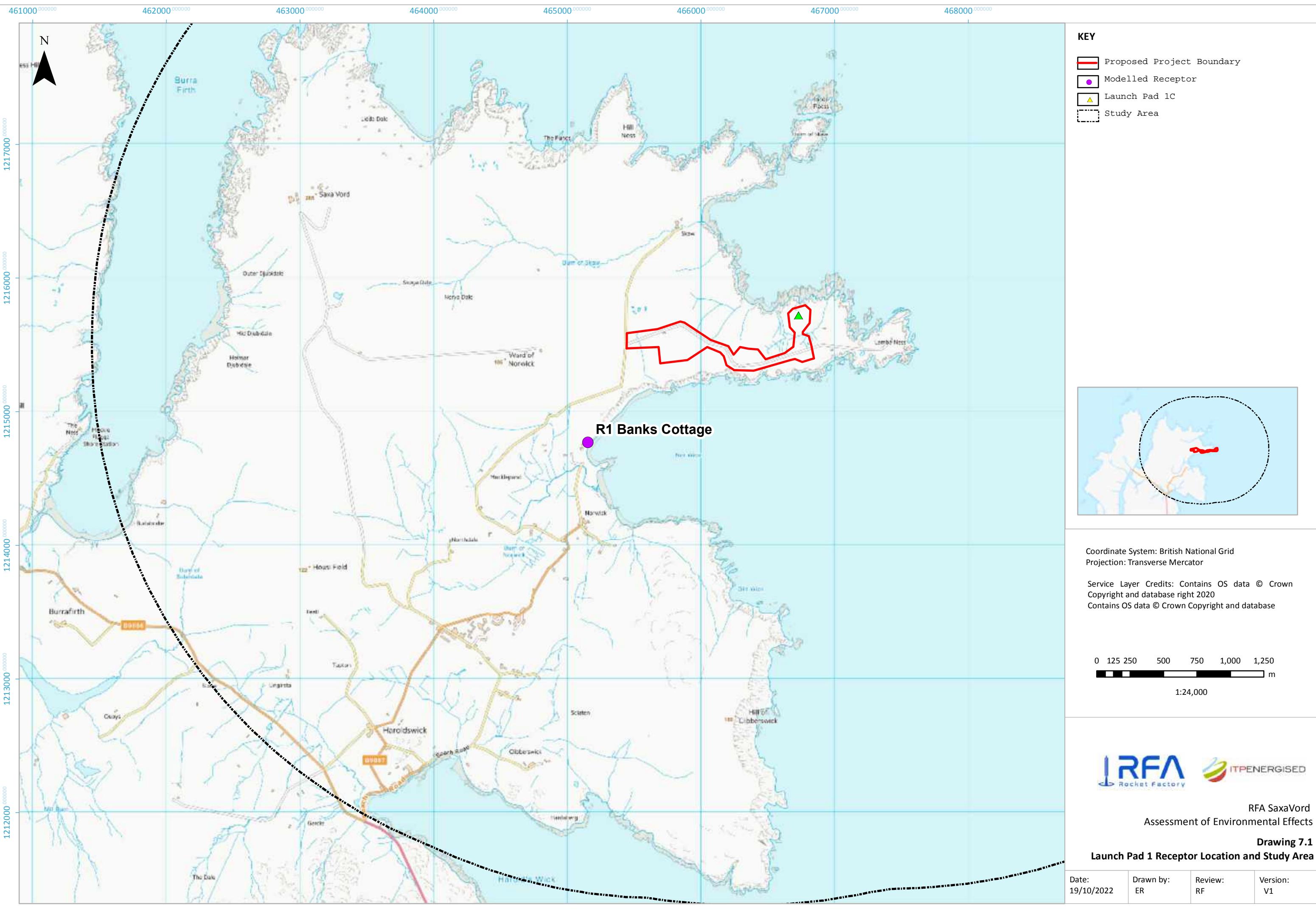


Chapter 6 SaxaVord Spaceport Drawing 6.6 Otter Signs 2018



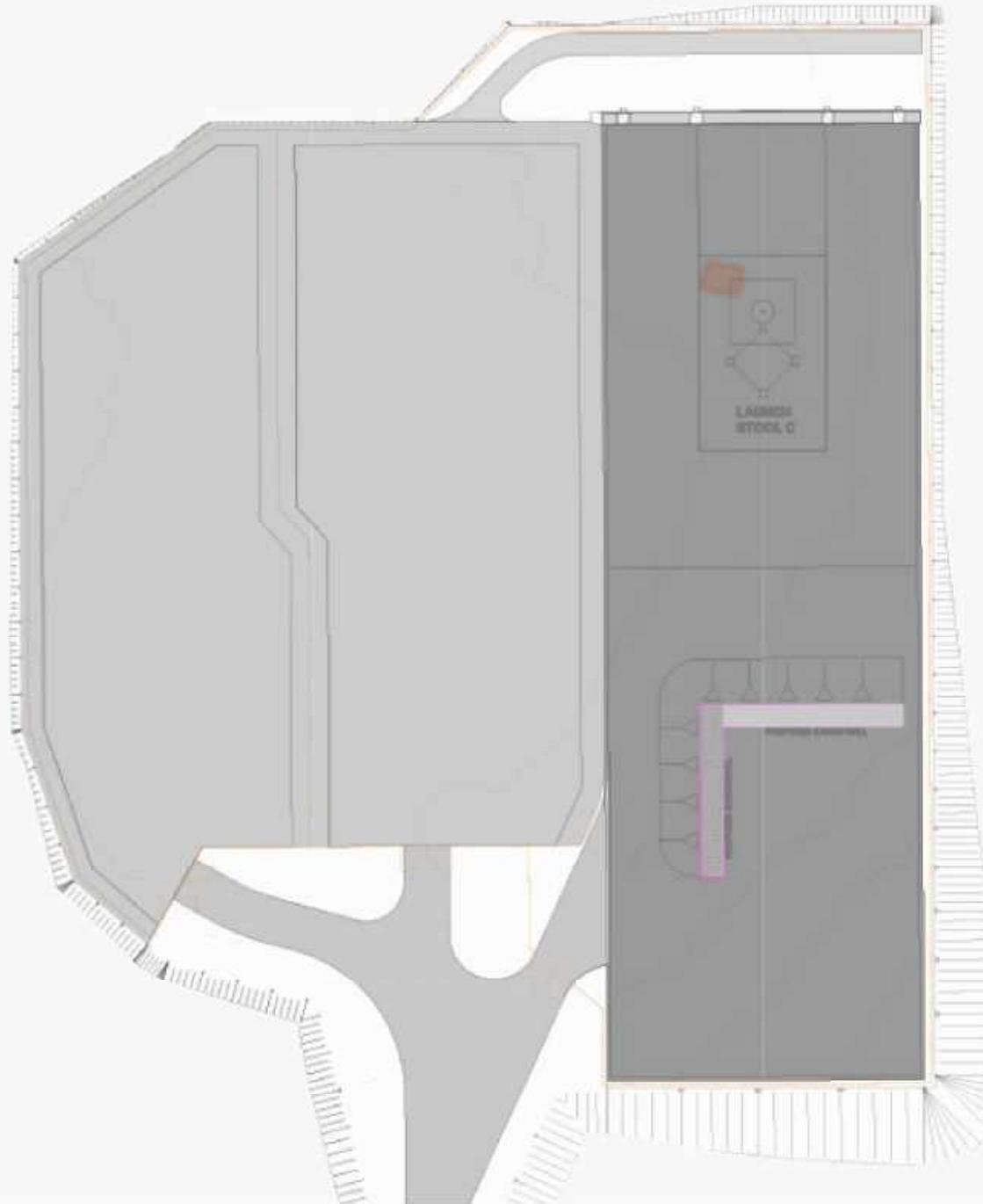
Chapter 6 SaxaVord Spaceport Drawing 6.7 Otter Signs 2020

Chapter 7 Drawing 7.1 Launch Pad 1 Receptor Location and Study Area



Chapter 7 Drawing 7.2 Launch Pad 1 Proposed Layout

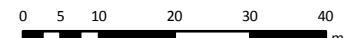
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1:1,000



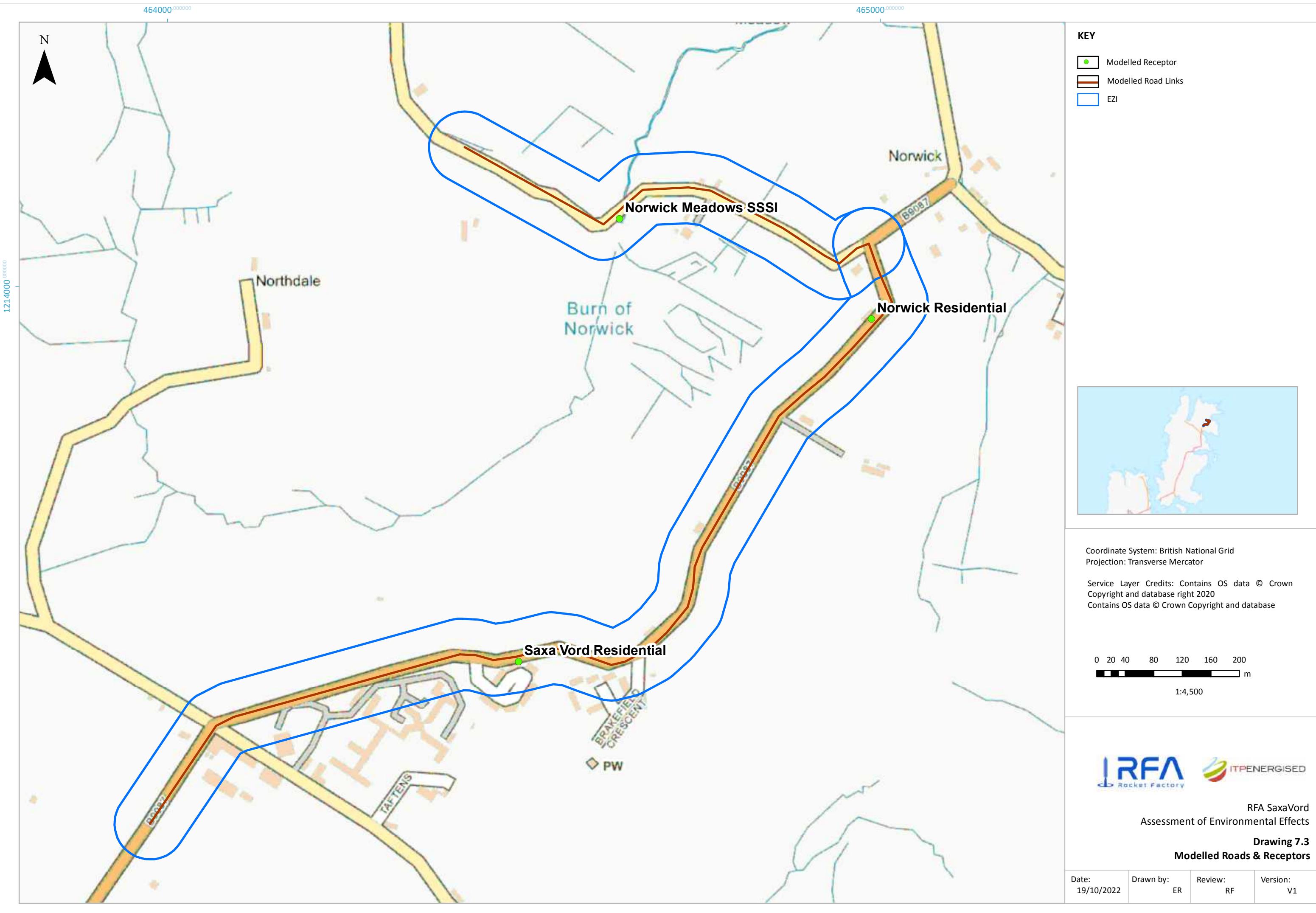
RFA SaxaVord
Assessment of Environmental Effects

Drawing 7.2
Launch Pad 1 Layout

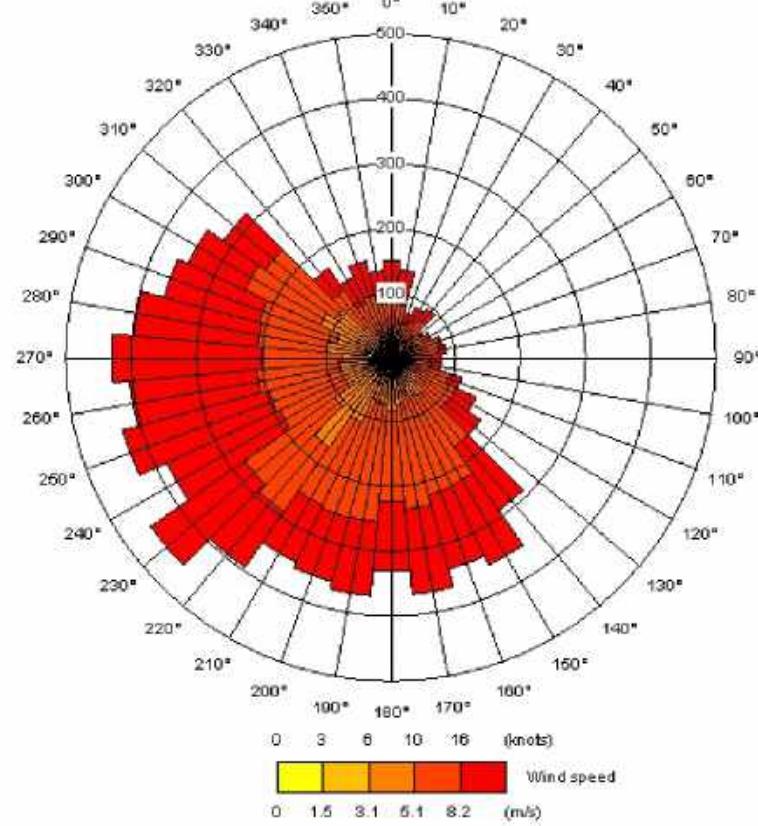
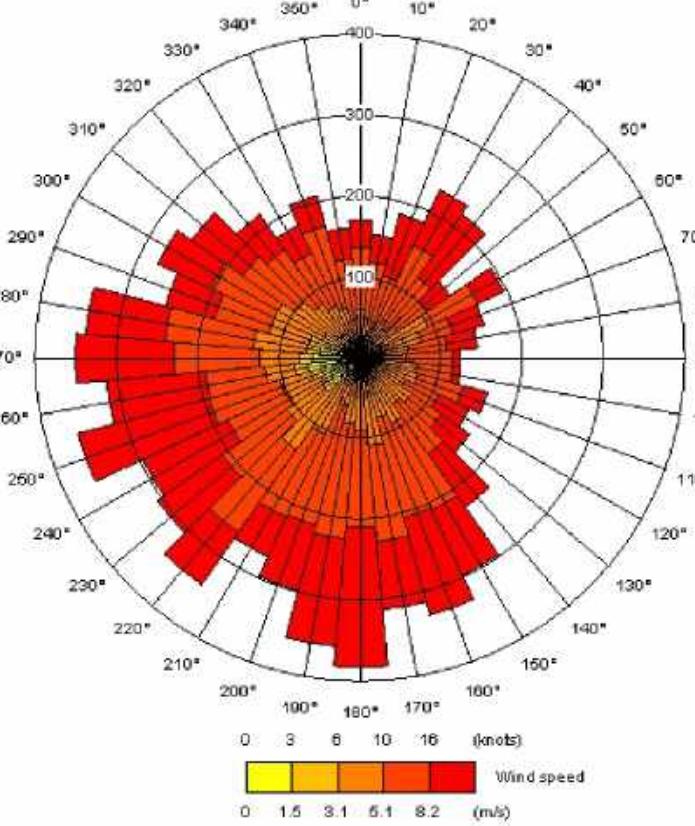
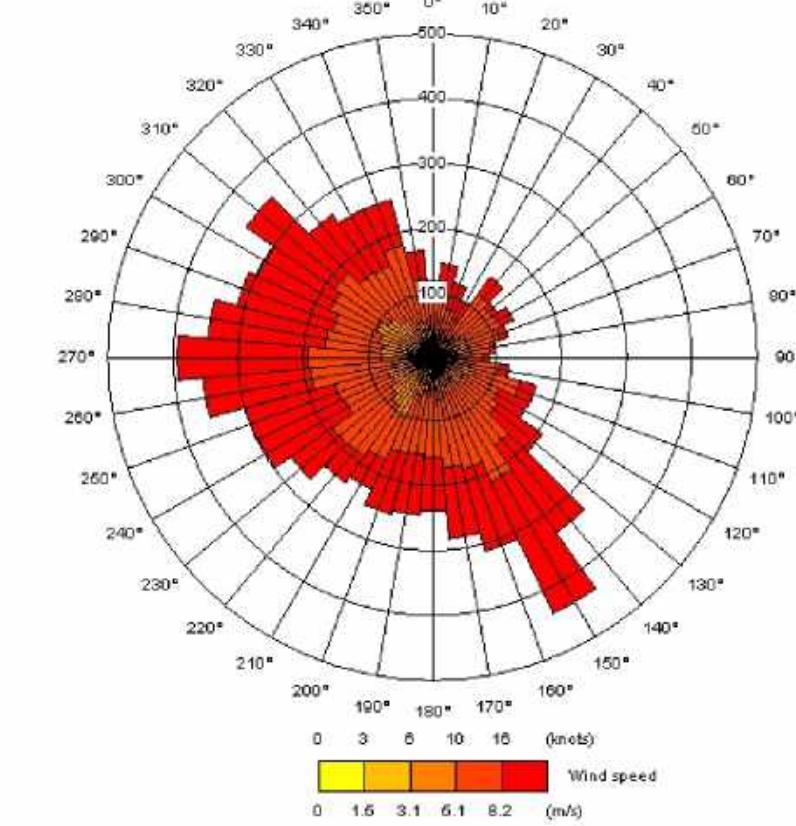
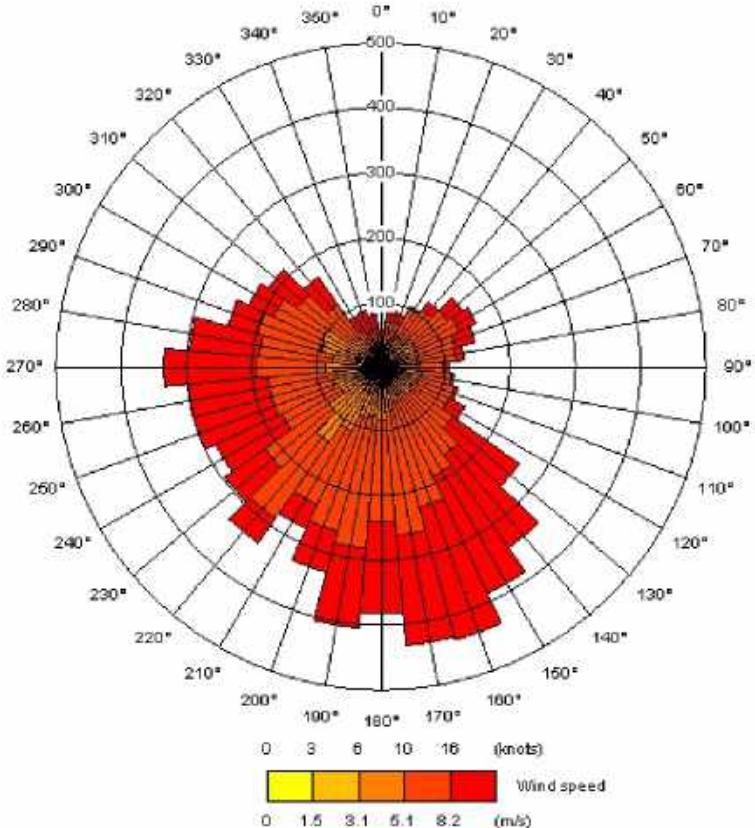
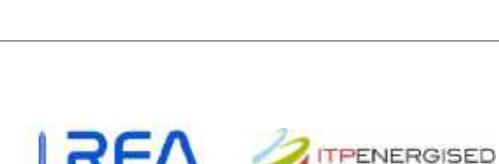
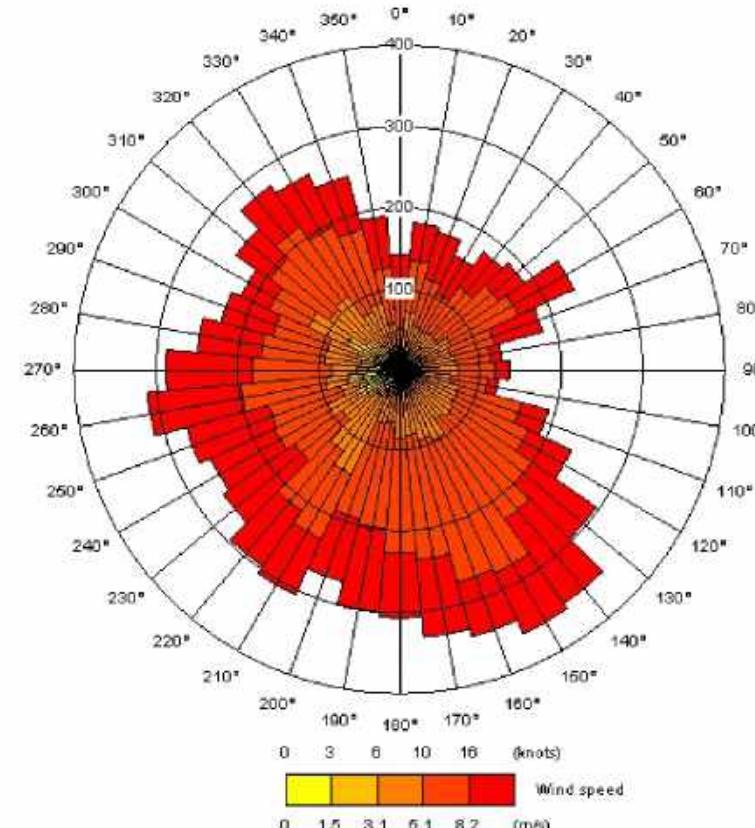
Date: 16/01/2023	Lead: AM	Review: RF	Version: V1
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Chapter 7 Drawing 7.3 Modelled Roads and Receptors





Chapter 7 Drawing 7.4 Hourly Meteorological Data 2015-2019

Baltasound 2015 Wind Rose**Baltasound 2016 Wind Rose****Baltasound 2017 Wind Rose****Baltasound 2018 Wind Rose****Baltasound 2019 Wind Rose**

RFA Launch Operator Licence
Assessment of Environmental Effects

Drawing 7.4
Baltasound, Unst
Hourly Meteorological Data 2015 - 2019

Date: 19/10/2022 Drawn by: ER Checked by: RF Version: V1

Chapter 7 Drawing 7.5 CO Contours 1 Minute after Launch





Coordinate System: British National Grid
 Projection: Transverse Mercator
 Service Layer Credits: Contains OS data © Crown Copyright and database right 2020; Historic Environment Scotland and Ordnance Survey data ©

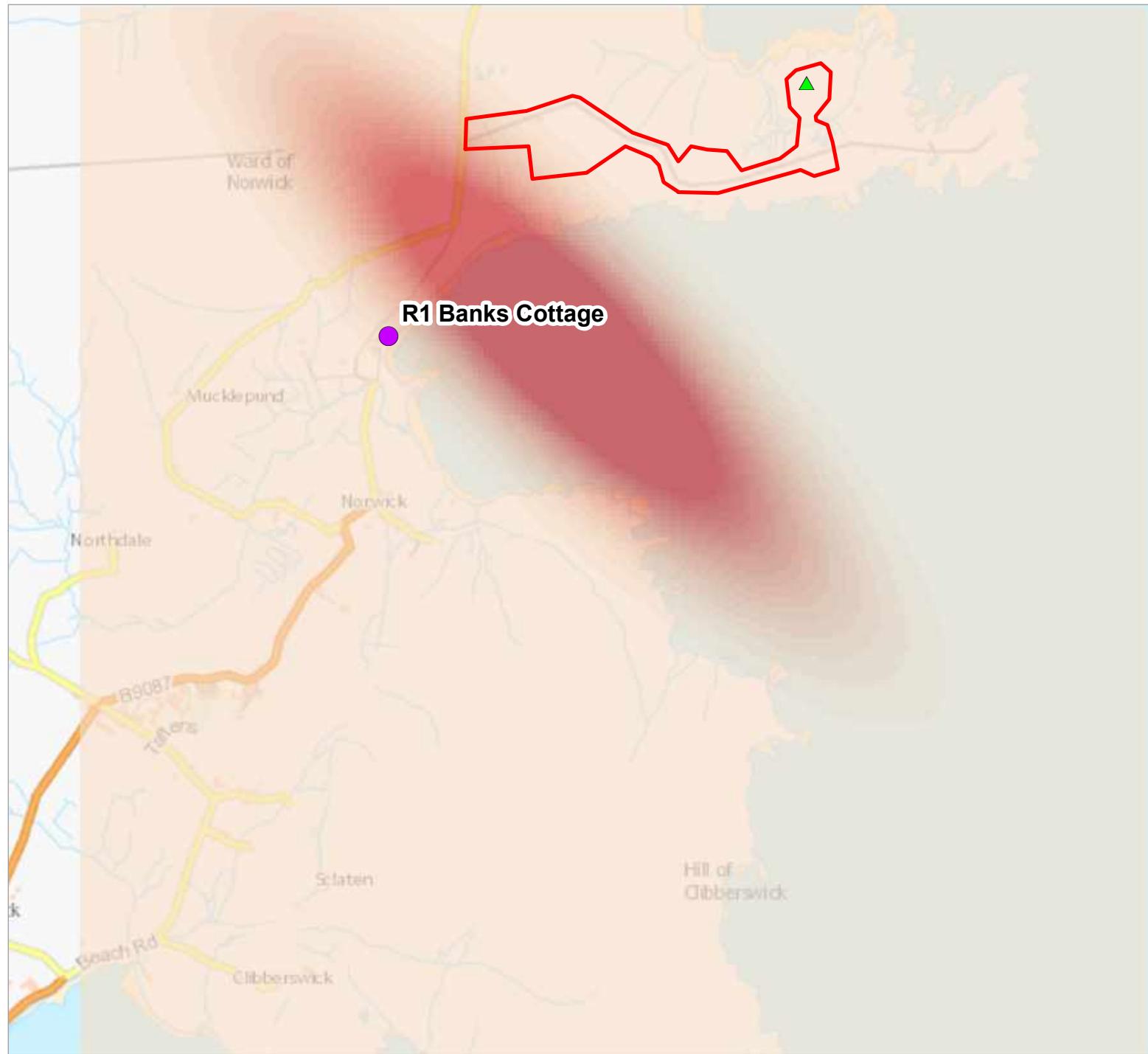
0 112.5 225 450 675 900 m
 1:21,000

RFA RFA Rocket Factory **ITPENERGISED**
 RFA SaxaVord
 Assessment of Environmental Effects
 Drawing 7.5
 Concentration of CO₂ 1 Minute After Launch

Date: 19/10/2022	Lead: ER	Review: RF	Version: V1
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Chapter 7 Drawing 7.6 CO Contours 3 Minutes after Launch





Coordinate System: British National Grid

Projection: Transverse Mercator

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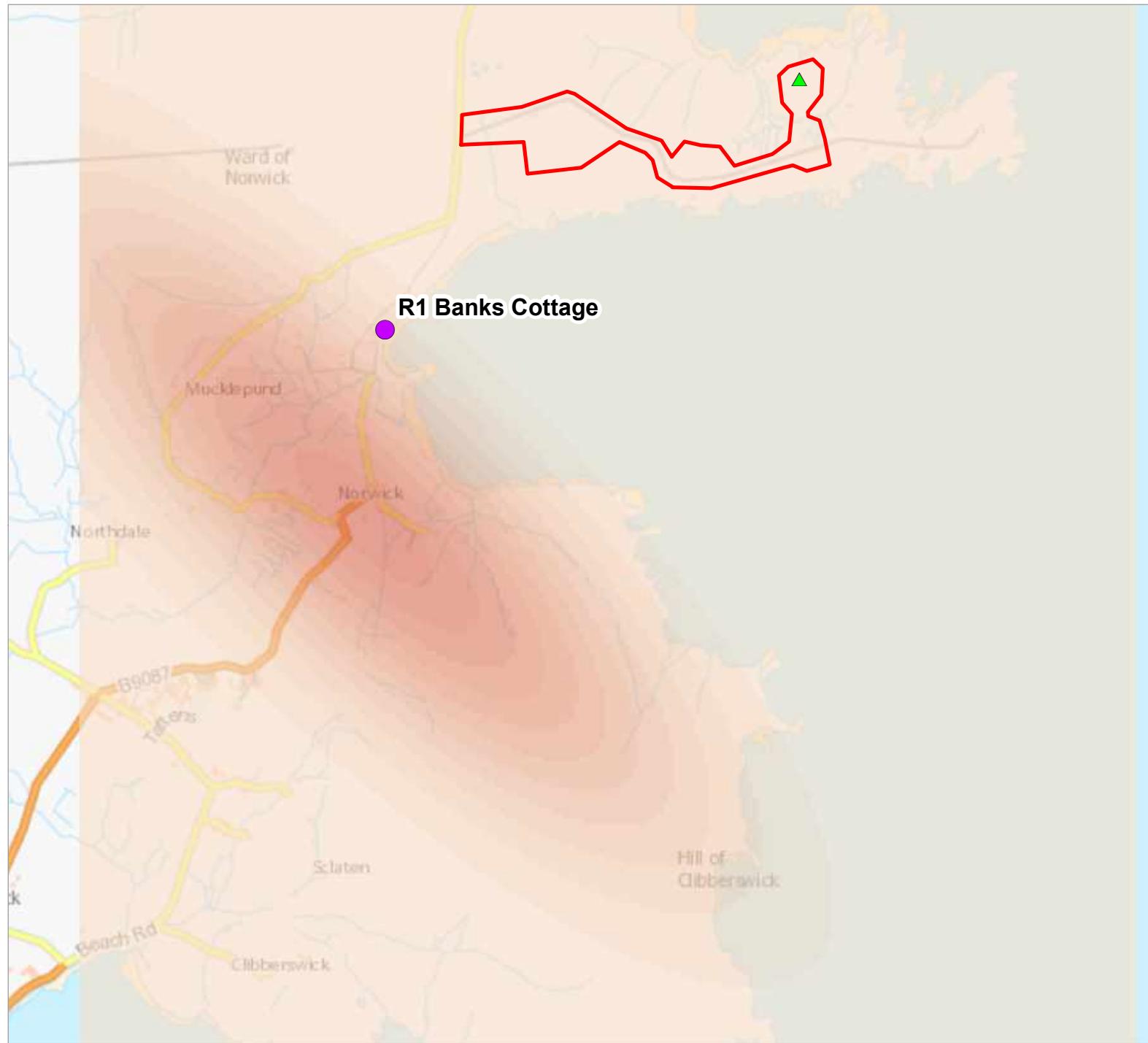
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RFA Rocket Factory **ITPENERGISED**
RFA SaxaVord
Assessment of Environmental Effects
Drawing 7.6
Concentration of CO₂ 3 Minutes After Launch

Date: 19/10/2022	Lead: ER	Review: RF	Version: V1
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Chapter 7 Drawing 7.7 CO Contours 5 Minutes after Launch





Coordinate System: British National Grid

Projection: Transverse Mercator

Service Layer Credits: Contains OS data © Crown Copyright and database right 2020; Historic Environment Scotland and Ordnance Survey data ©

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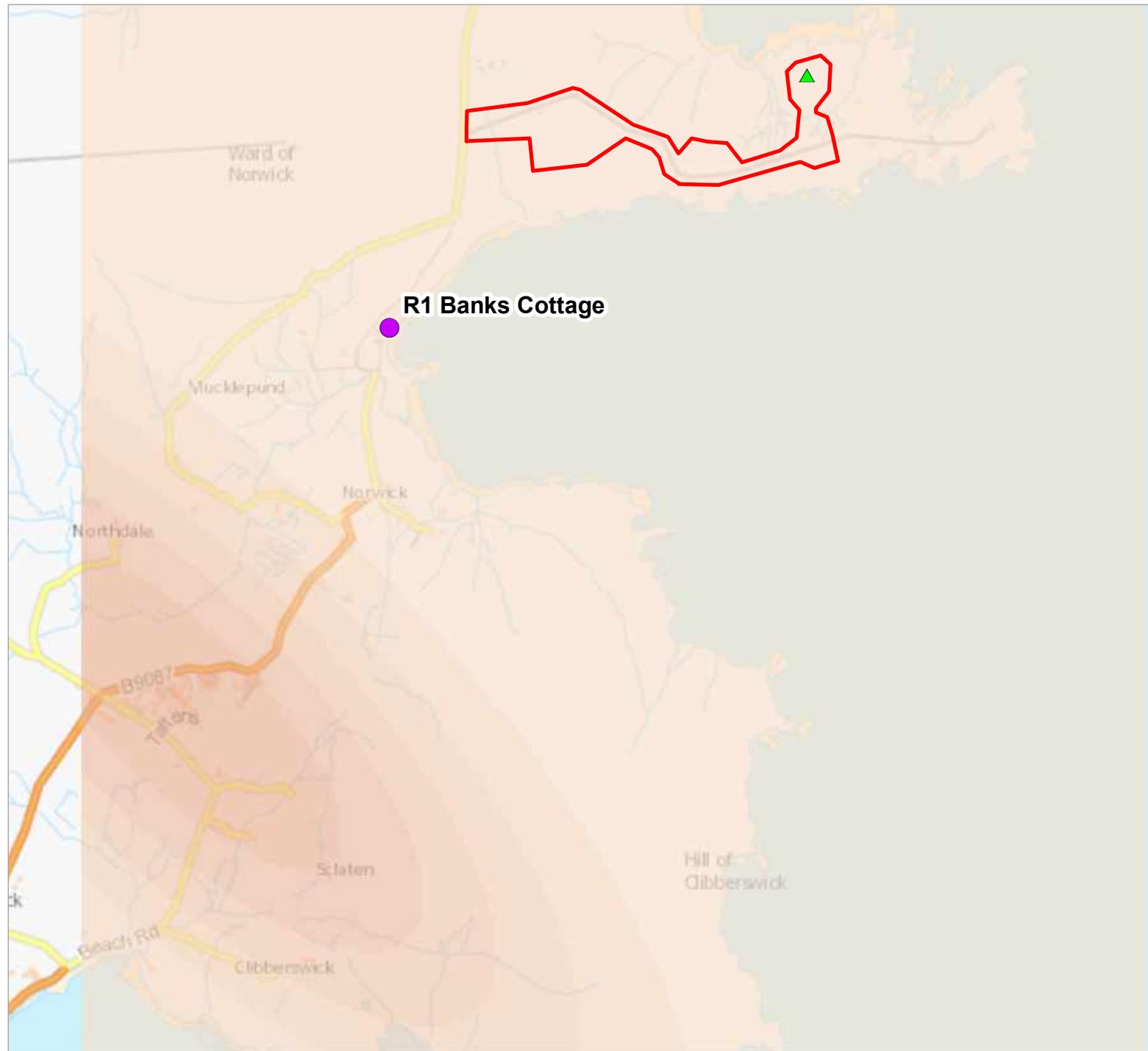
RFA SaxaVord
Assessment of Environmental Effects

Drawing 7.7
Concentration of CO₂ 5 Minutes After Launch

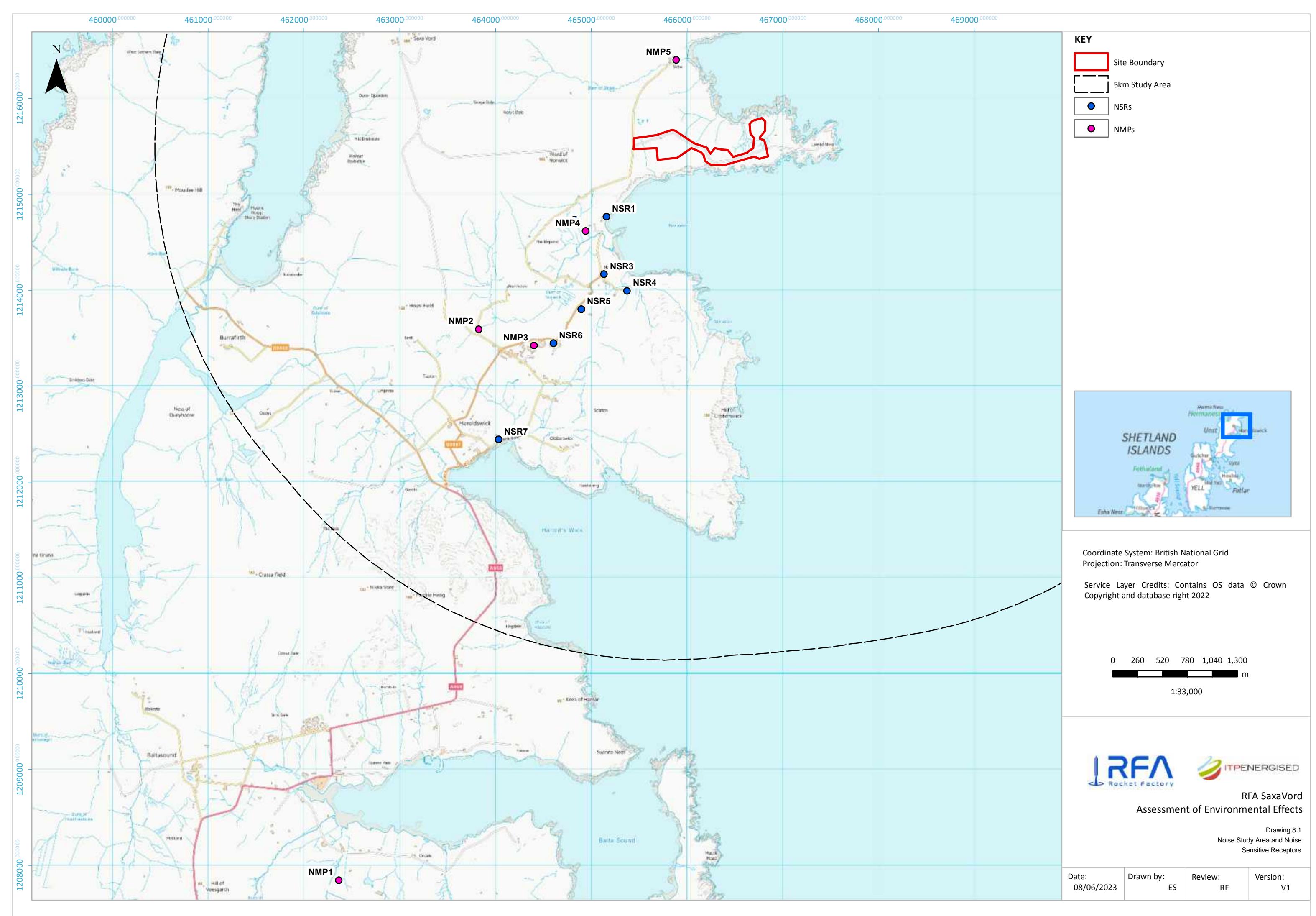
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Chapter 7 Drawing 7.8 CO Contours 7 Minutes after Launch



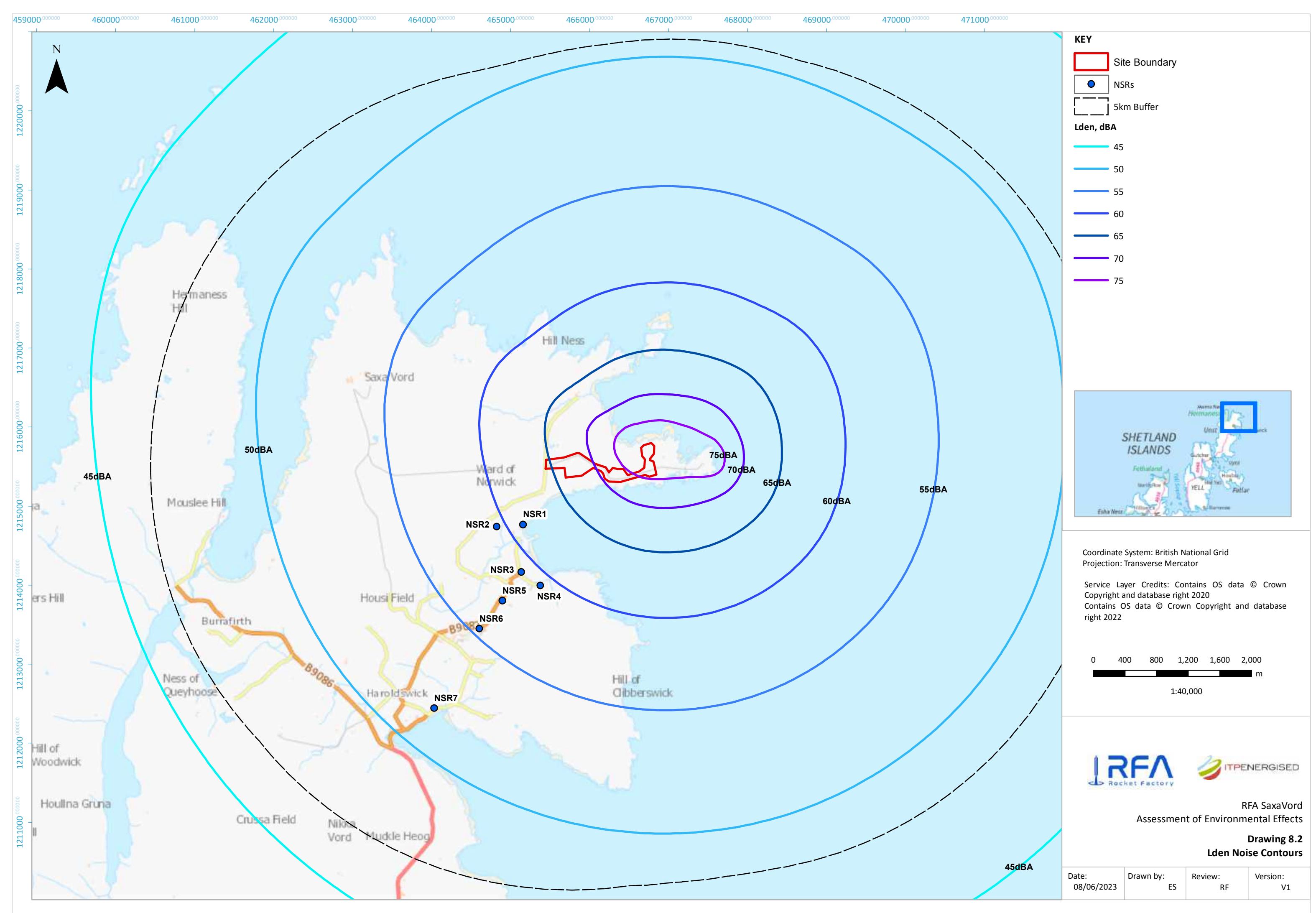


Chapter 8 Drawing 8.1 Noise Study Area and Noise Sensitive Receptors



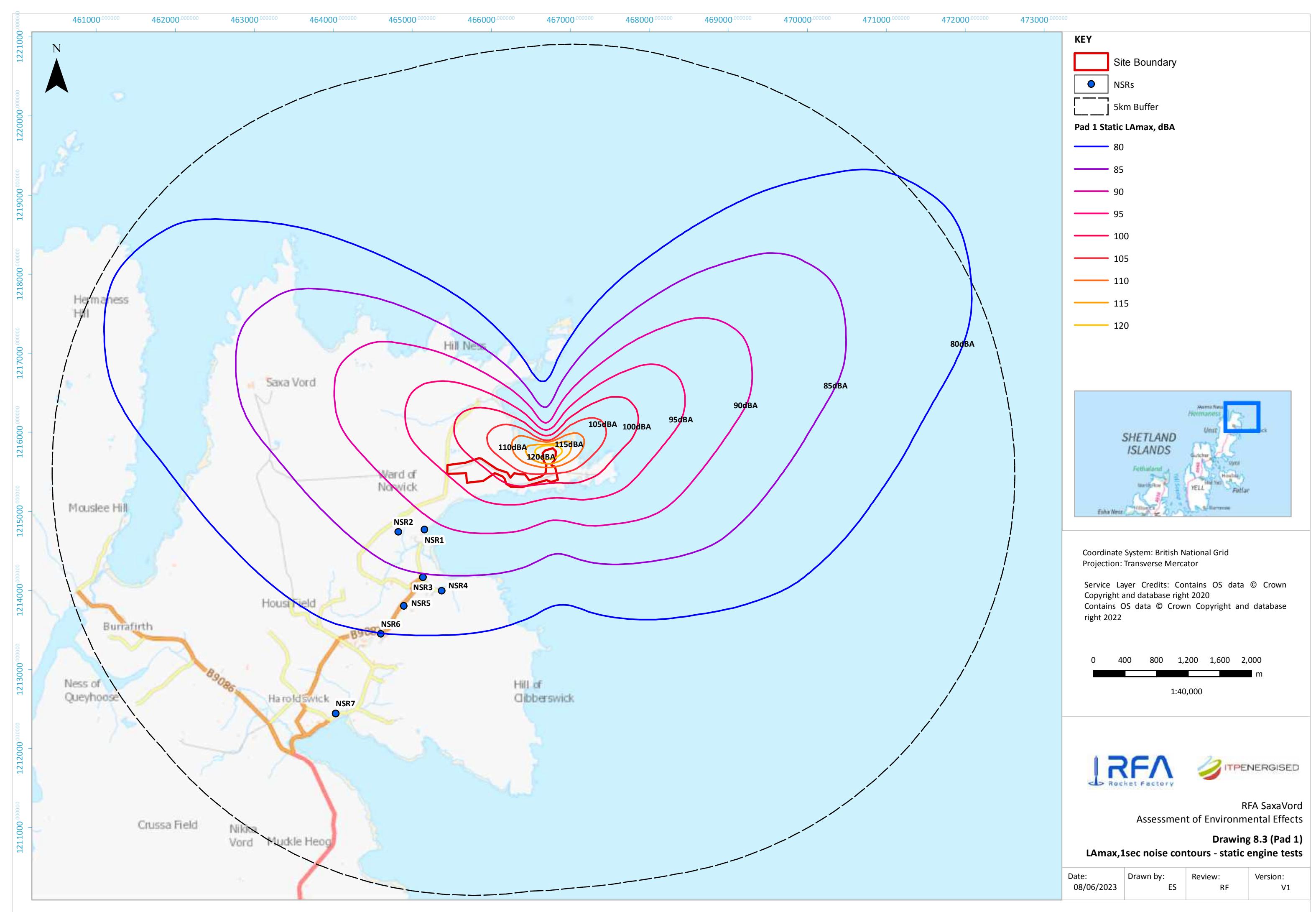
Chapter 8 Drawing 8.2 Lden Noise Contours





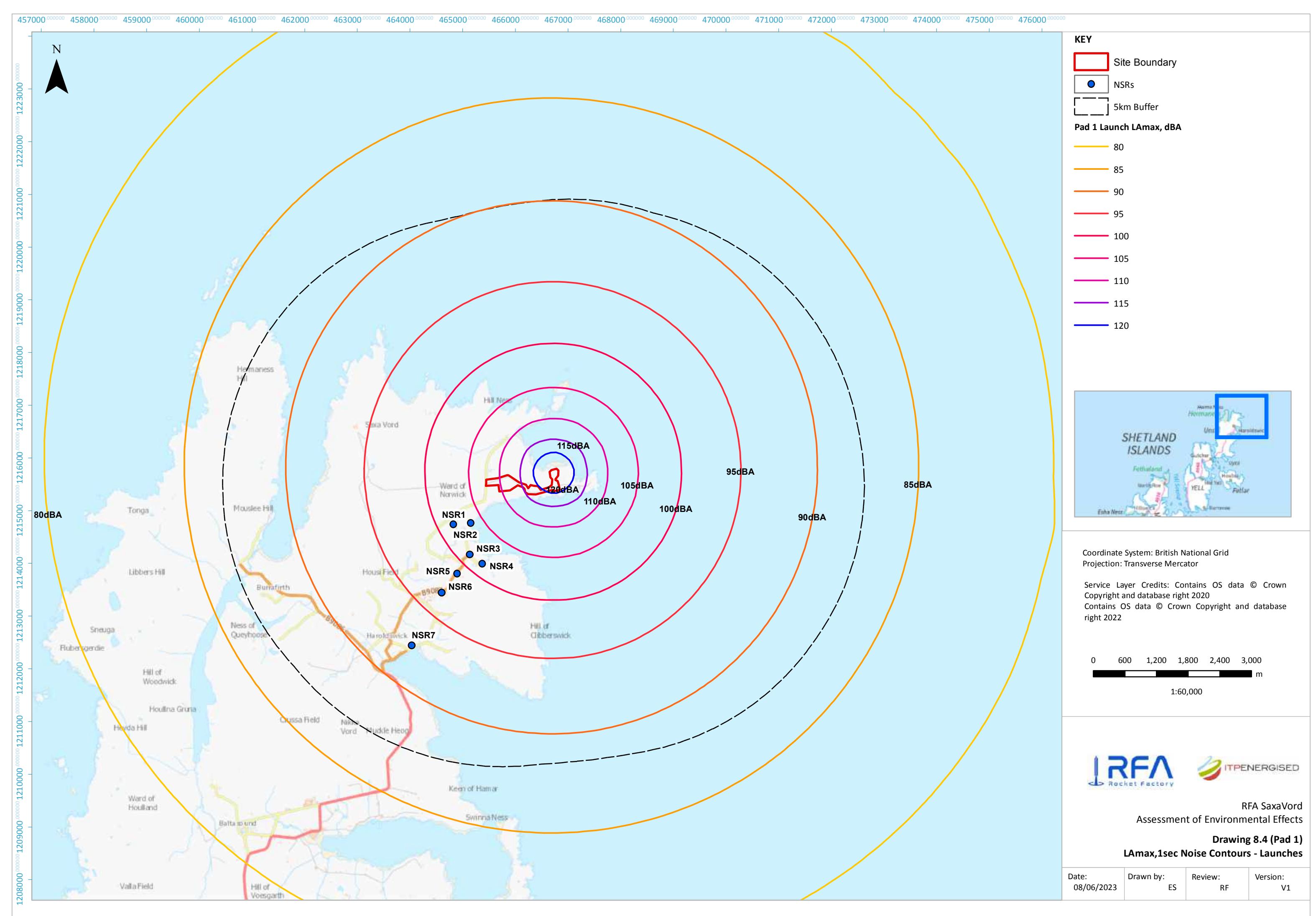
Chapter 8 Drawing 8.3 LAmax 1 second Noise Contours, Static Engine Tests



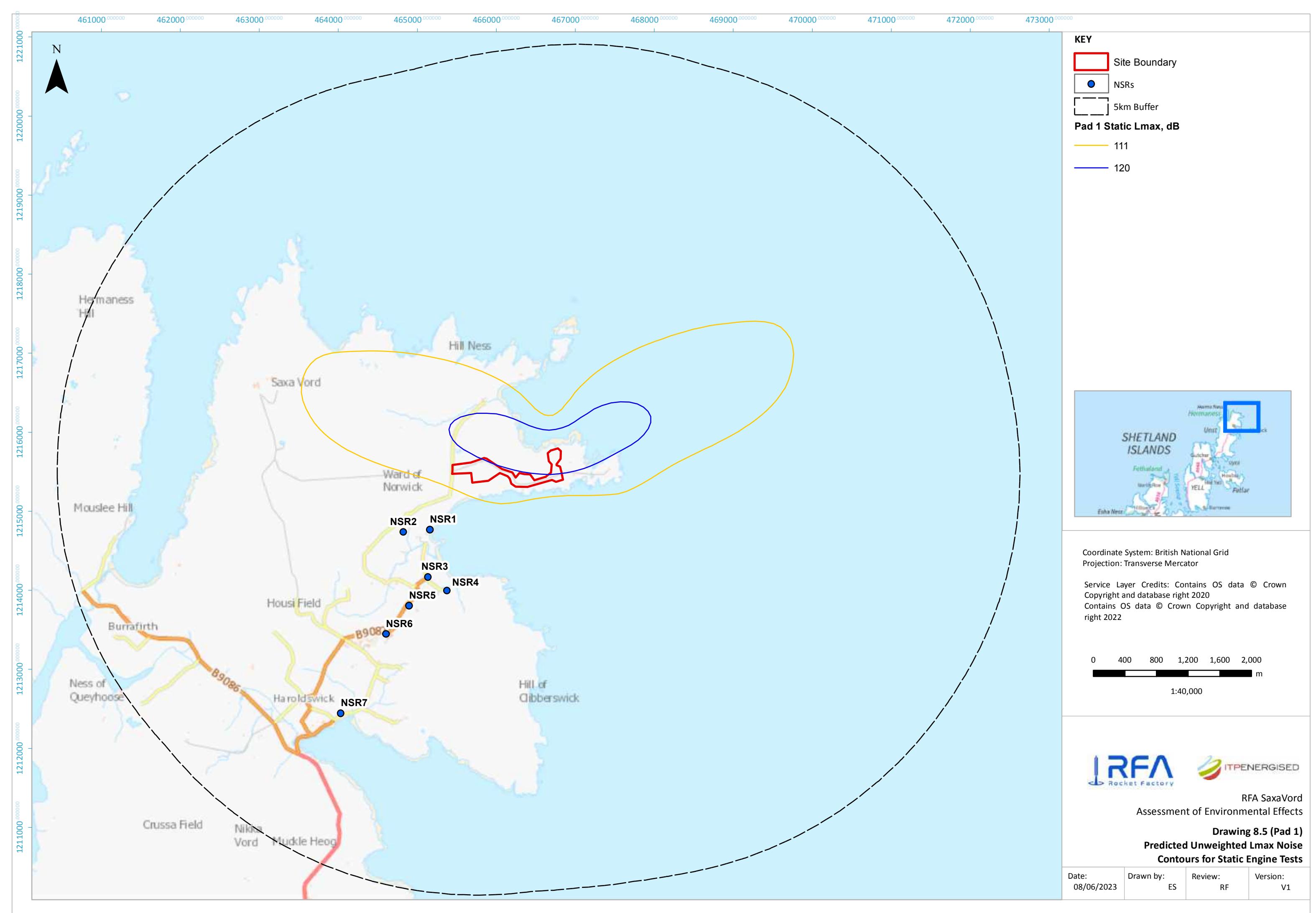


Chapter 8 Drawing 8.4 LAmax 1 second Noise Contours, Launches



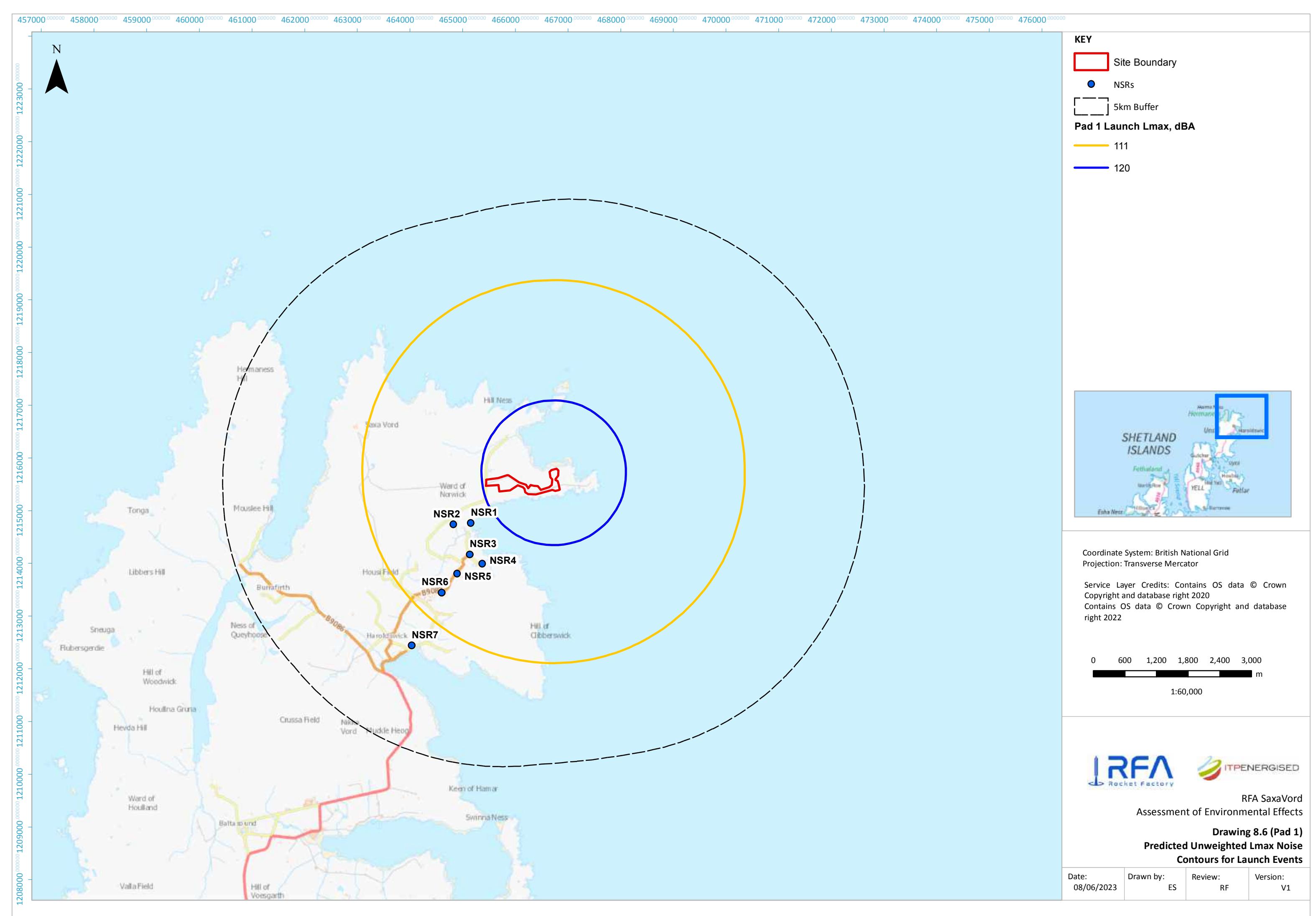


Chapter 8 Drawing 8.5 Predicted Unweighted L_Amax Noise – Static Engine Tests



Chapter 8 Drawing 8.6 Predicted Unweighted L_Amax Noise - Launches





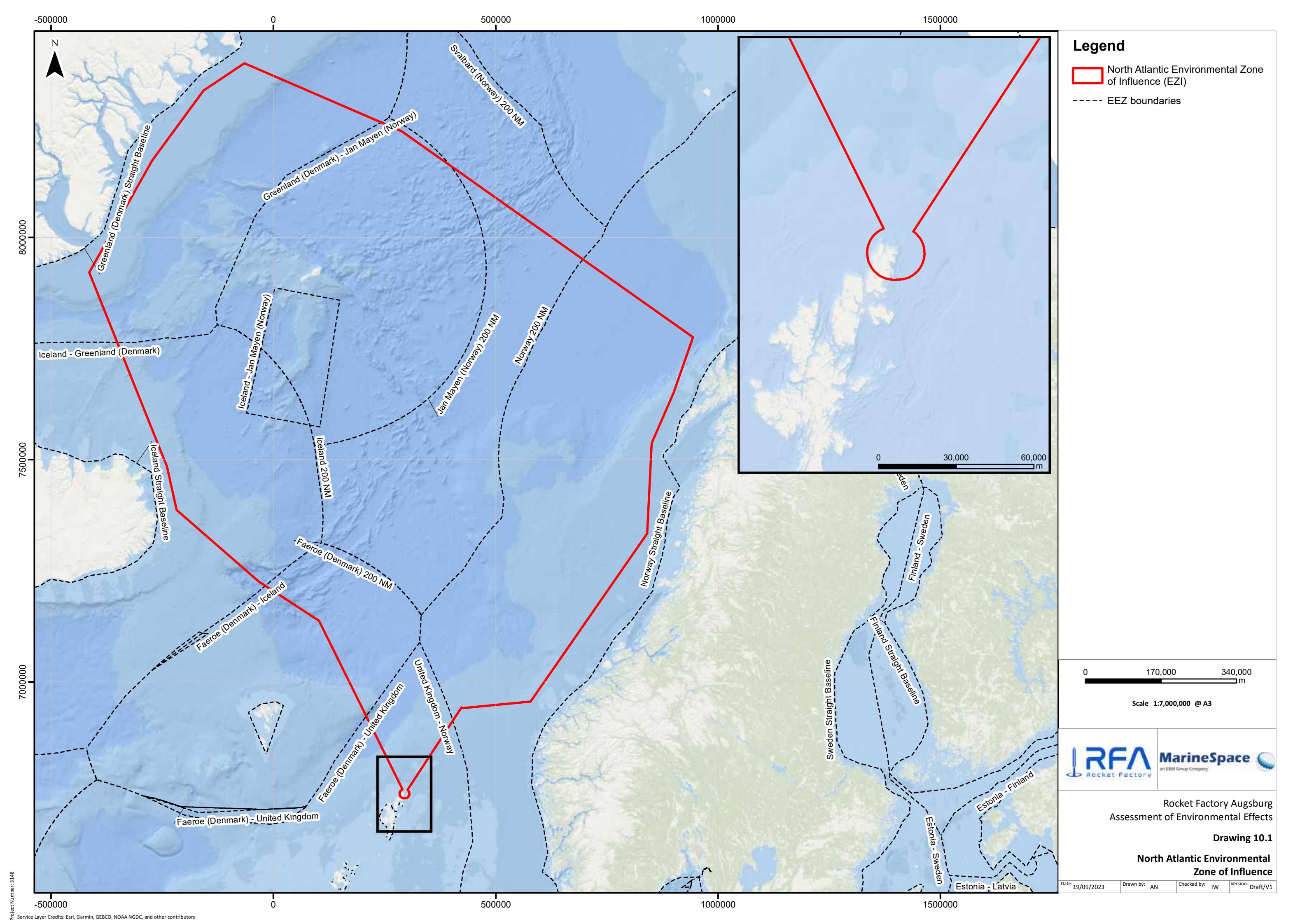
Chapter 9

-



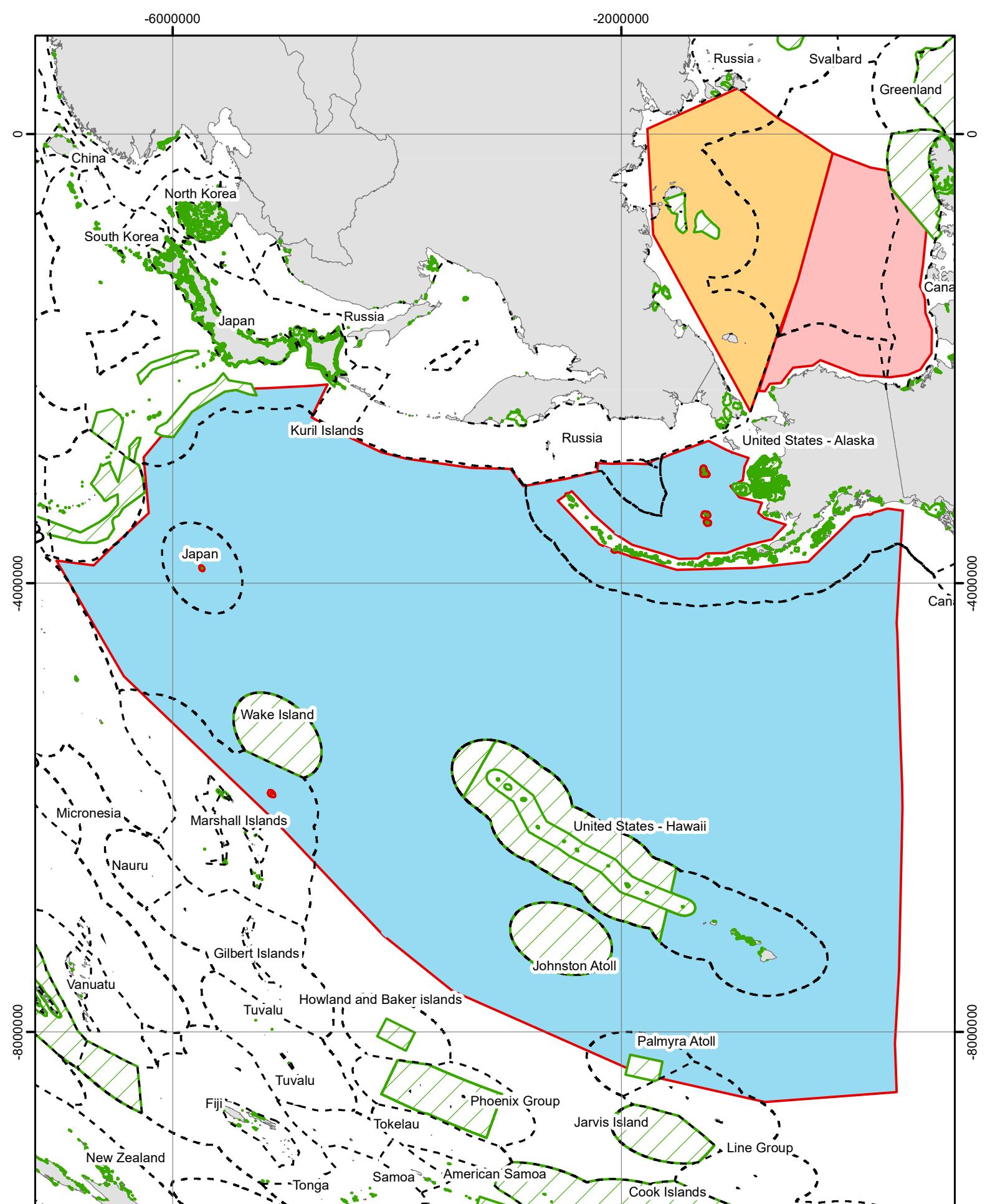
Chapter 10 Drawing 10.1 North Atlantic Environmental Zone of Influence





Chapter 10 Drawing 10.2 Pacific Environmental Zone of Influence





Legend

	MPA
	Pacific EZI Section a
	Pacific EZI Section b
	Pacific EZI Section c

Rocket Factory Augsburg
Assessment of Environmental Effects
Drawing 10.2
Pacific Environmental Zone
of Influence

0 580 1,160 km

Scale : 1:42,000,000 @ A3 Date: 20/09/2023
Drawn by: AN Checked by: IW Version: Draft/V1

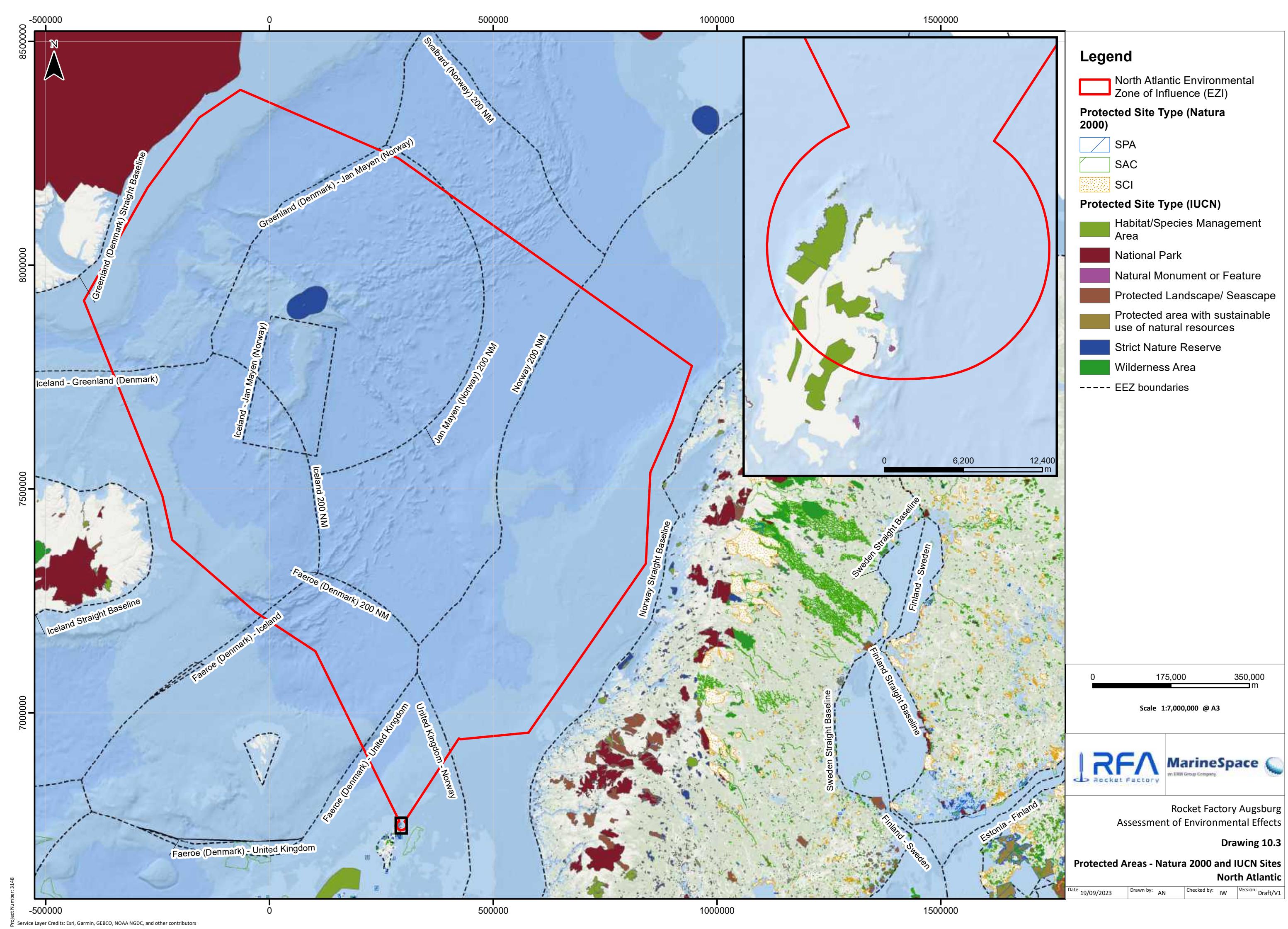
RFA
Rocket Factory

MarineSpace
an ERM Group Company



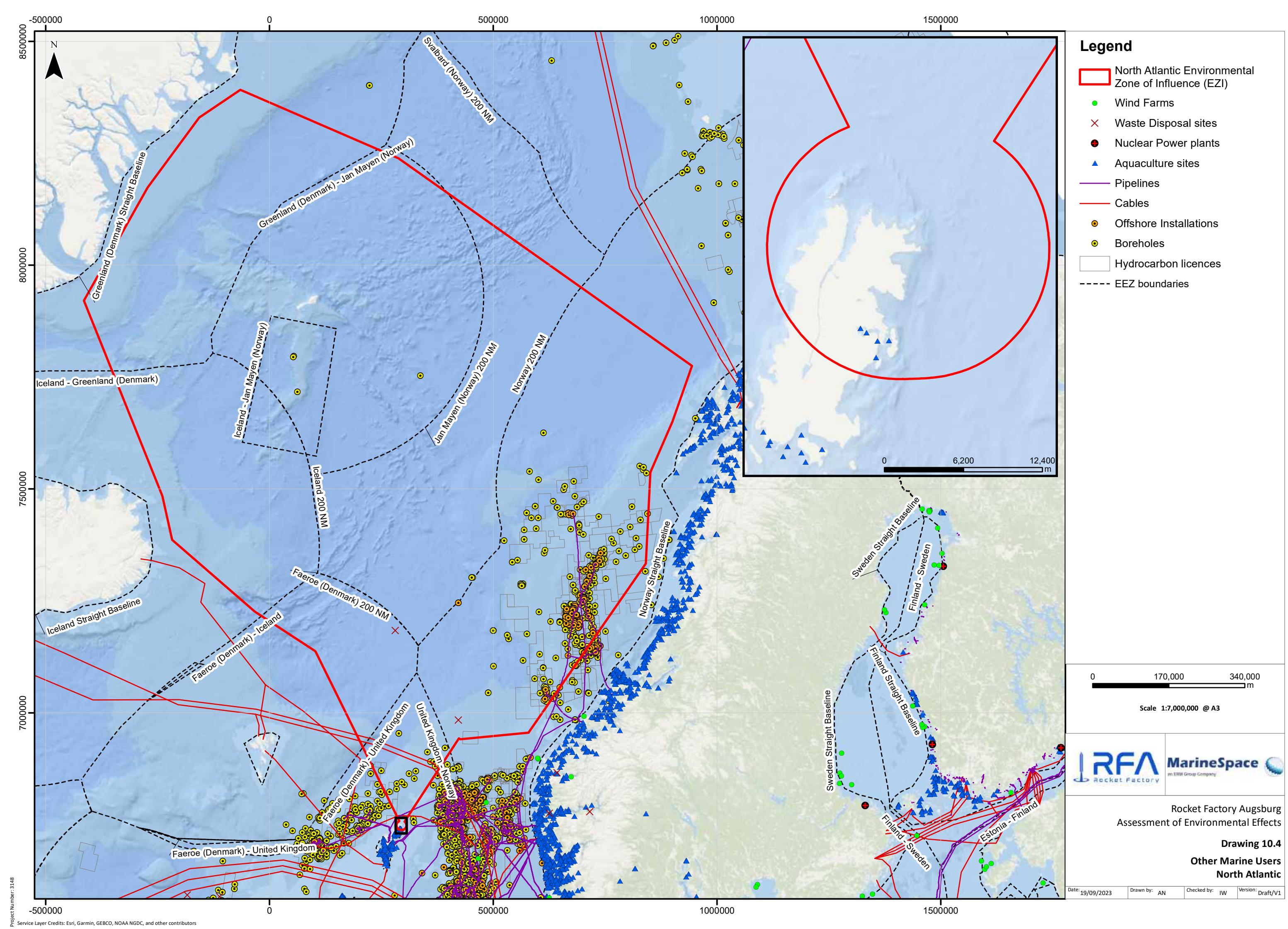
Chapter 10 Drawing 10.3 North Atlantic Protected Areas





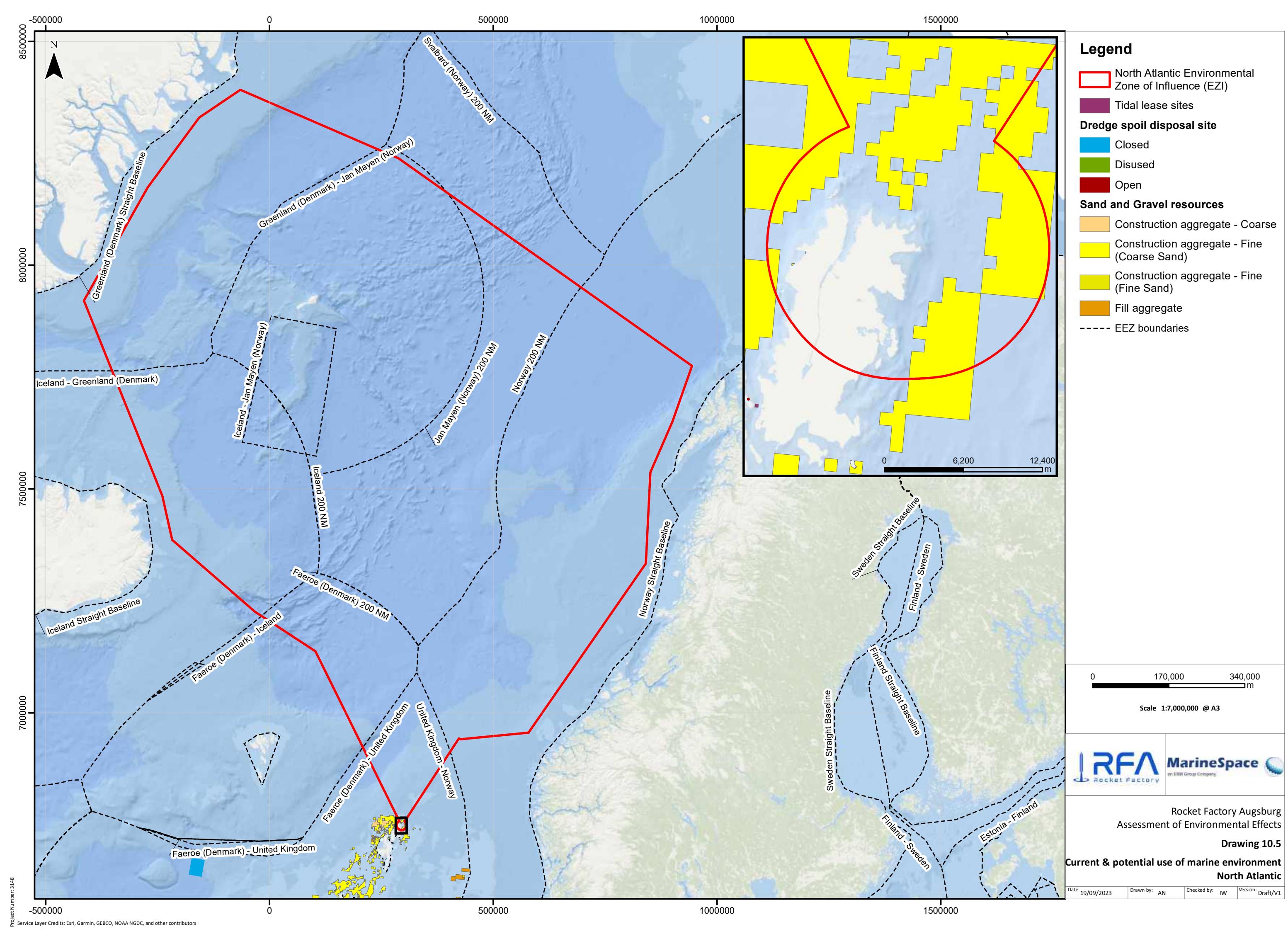
Chapter 10 Drawing 10.4 North Atlantic Other Marine Users



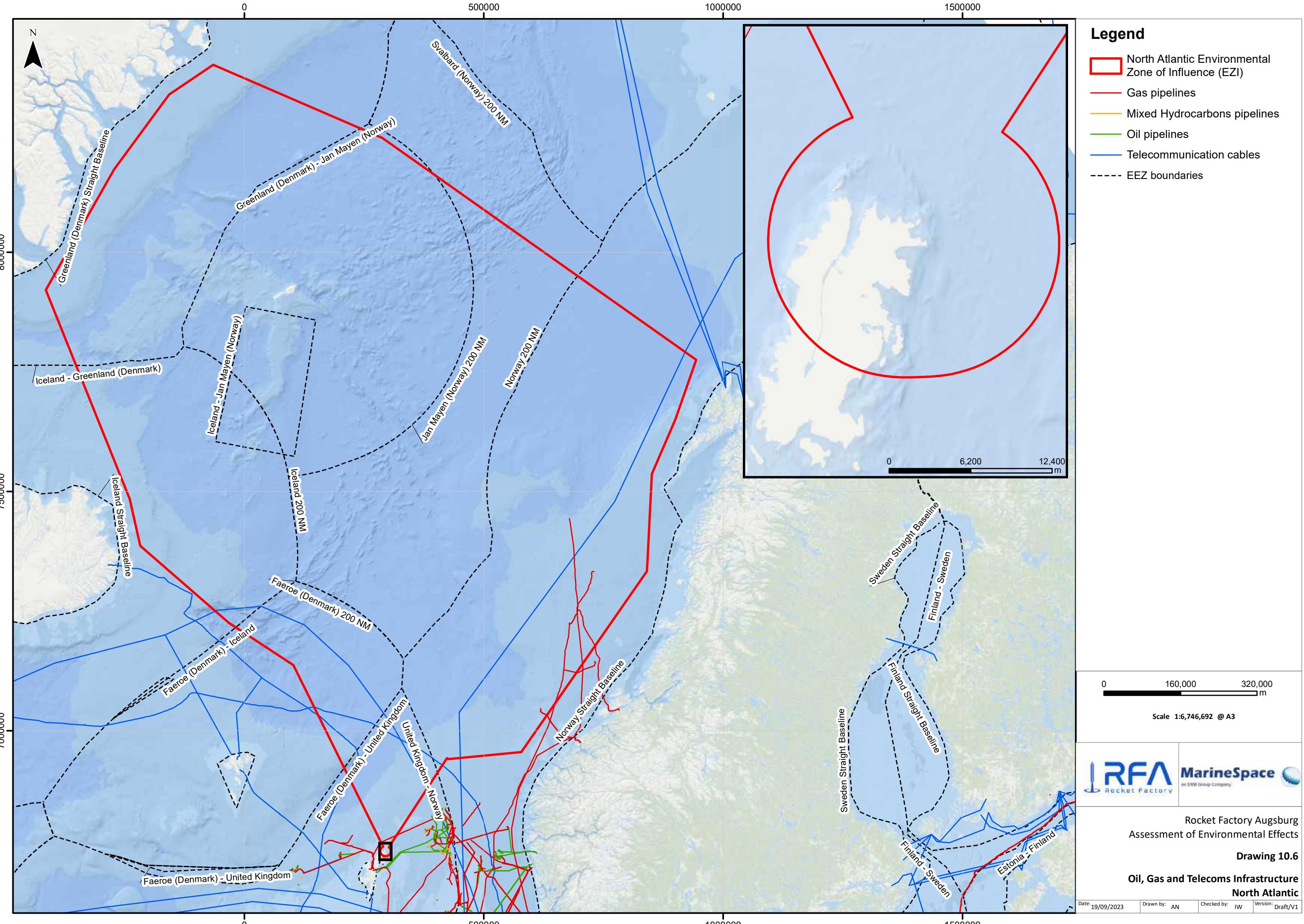


Chapter 10 Drawing 10.5 North Atlantic Current and Potential Use of Marine Environment





Chapter 10 Drawing 10.6 North Atlantic Oil and Gas Telecoms Infrastructure



Chapter 11 -

