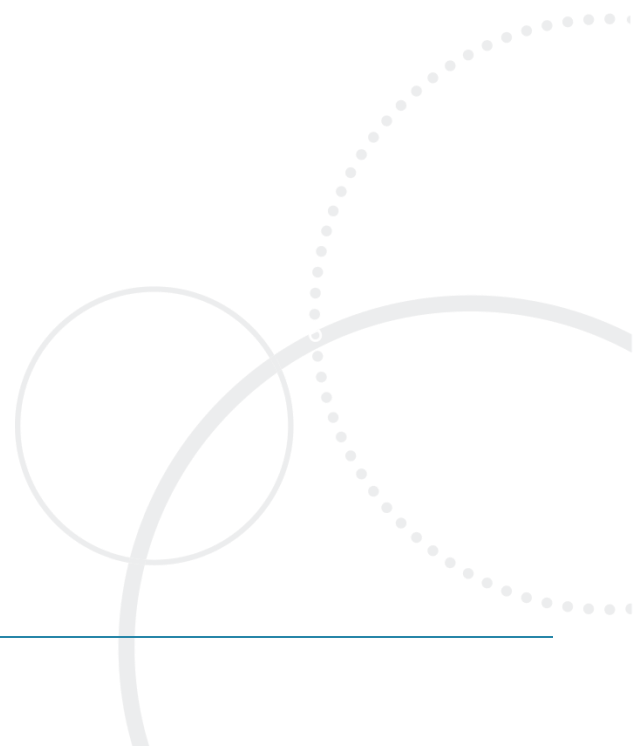
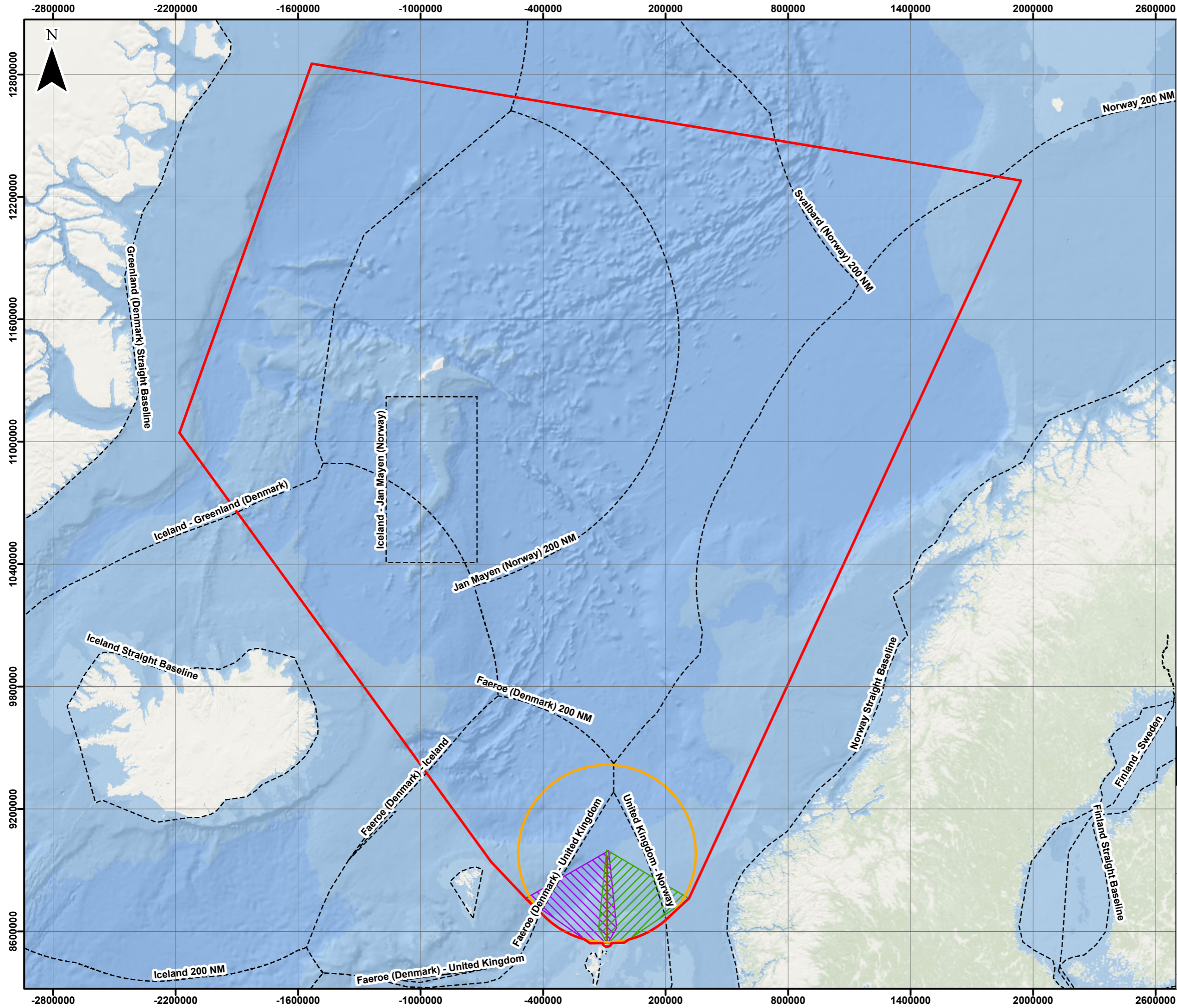


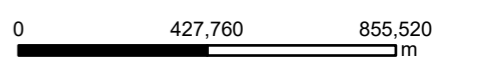


Chapter 10 Drawing 10.1 Environmental Zone of Influence





- KEY**
- Environmental Zone of Influence
 - Suborbital Launch Impact Dispersion Area
 - 000 Azimuth from Proposed Project
 - Orbital Launch Flight Corridor: 030 azimuth
 - Orbital Launch Flight Corridor: 330 azimuth
 - EEZ boundaries



Scale 1:17,151,969 @ A3



Shetland Space Centre
Assessment of Environmental Effects

Drawing 10.1

Environmental Zone of Influence

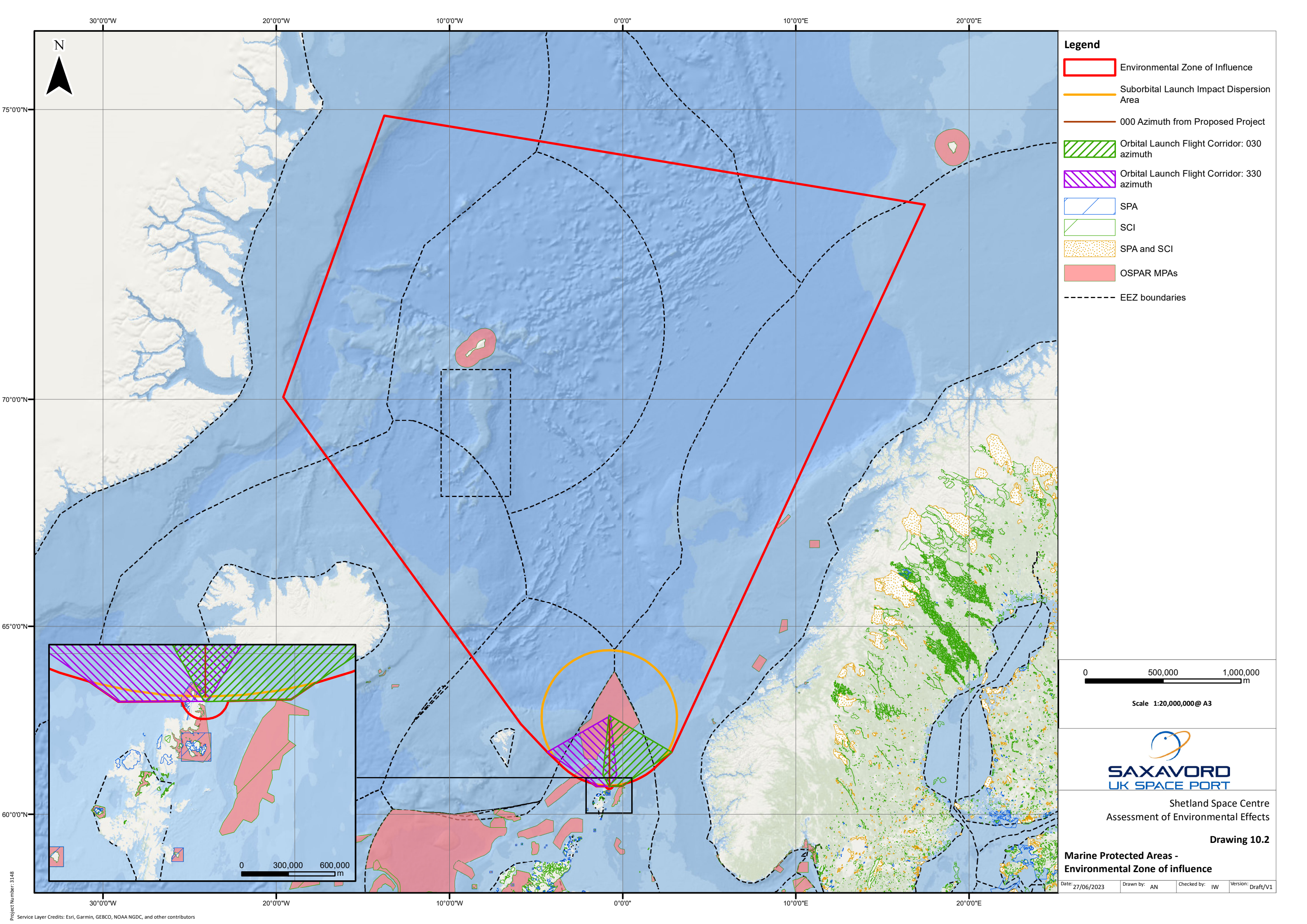
Date: 6/23/2023	Drawn by: NB	Checked by: IW	Version: Draft/V1
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Project Number: 3148

Service Layer Credits: World Ocean Base: OceanWise, Esri, GEBCO, DeLorme, NaturalVue
World Ocean Base: Esri, GEBCO, DeLorme, NaturalVue



Chapter 10 Drawing 10.2 Marine Protected Areas within EZI



- Legend**
- Environmental Zone of Influence
 - Suborbital Launch Impact Dispersion Area
 - 000 Azimuth from Proposed Project
 - Orbital Launch Flight Corridor: 030 azimuth
 - Orbital Launch Flight Corridor: 330 azimuth
 - SPA
 - SCI
 - SPA and SCI
 - OSPAR MPAs
 - EEZ boundaries

0 500,000 1,000,000
m

Scale 1:20,000,000 @ A3



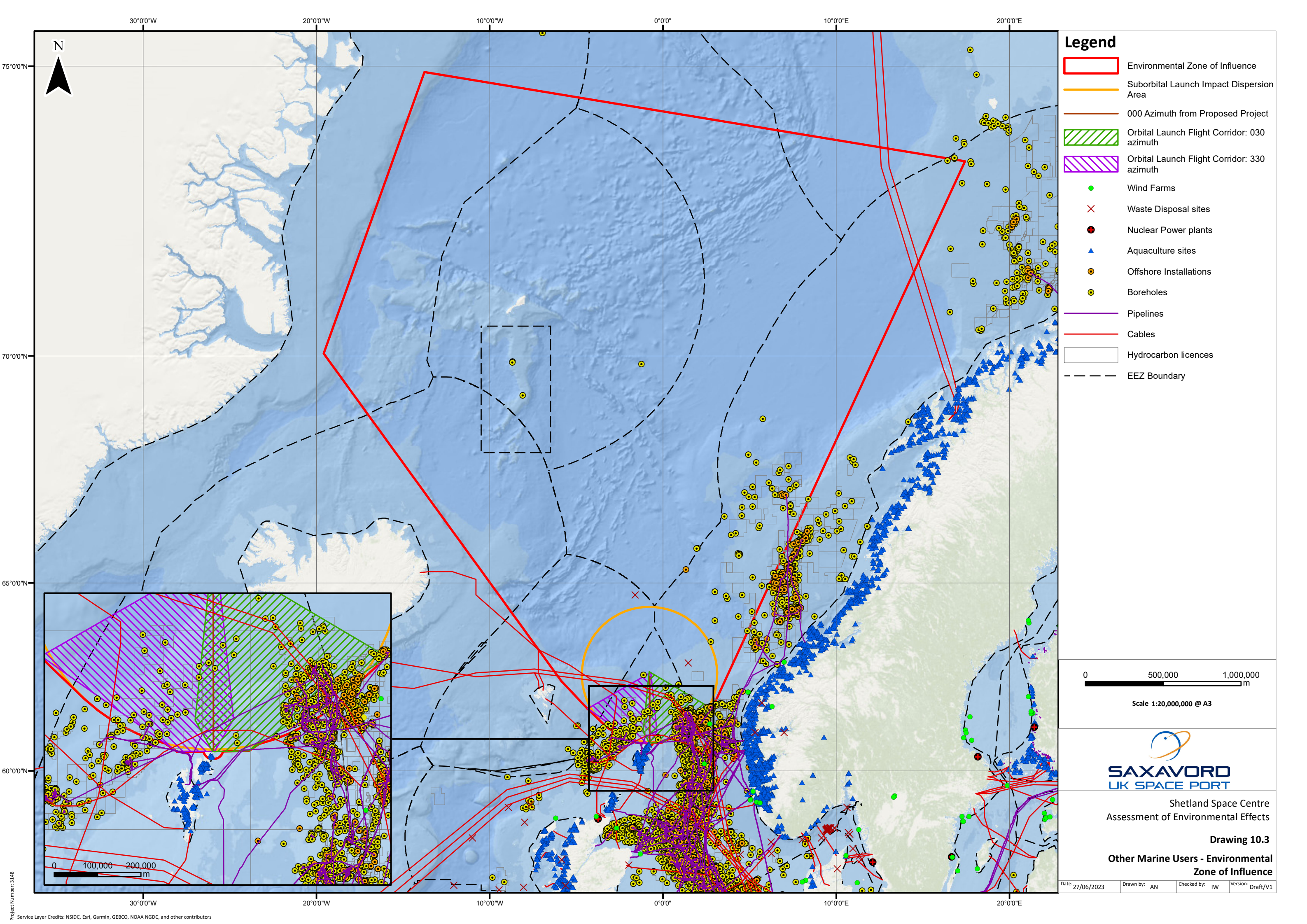
Shetland Space Centre
Assessment of Environmental Effects

Drawing 10.2

**Marine Protected Areas -
Environmental Zone of influence**

Date: 27/06/2023 Drawn by: AN Checked by: IW Version: Draft/V1

Chapter 10 Drawing 10.3 Other Marine Users within EZI



- ### Legend
- Environmental Zone of Influence
 - Suborbital Launch Impact Dispersion Area
 - 000 Azimuth from Proposed Project
 - Orbital Launch Flight Corridor: 030 azimuth
 - Orbital Launch Flight Corridor: 330 azimuth
 - Wind Farms
 - × Waste Disposal sites
 - Nuclear Power plants
 - ▲ Aquaculture sites
 - Offshore Installations
 - Boreholes
 - Pipelines
 - Cables
 - Hydrocarbon licences
 - EEZ Boundary

0 500,000 1,000,000
m
Scale 1:20,000,000 @ A3



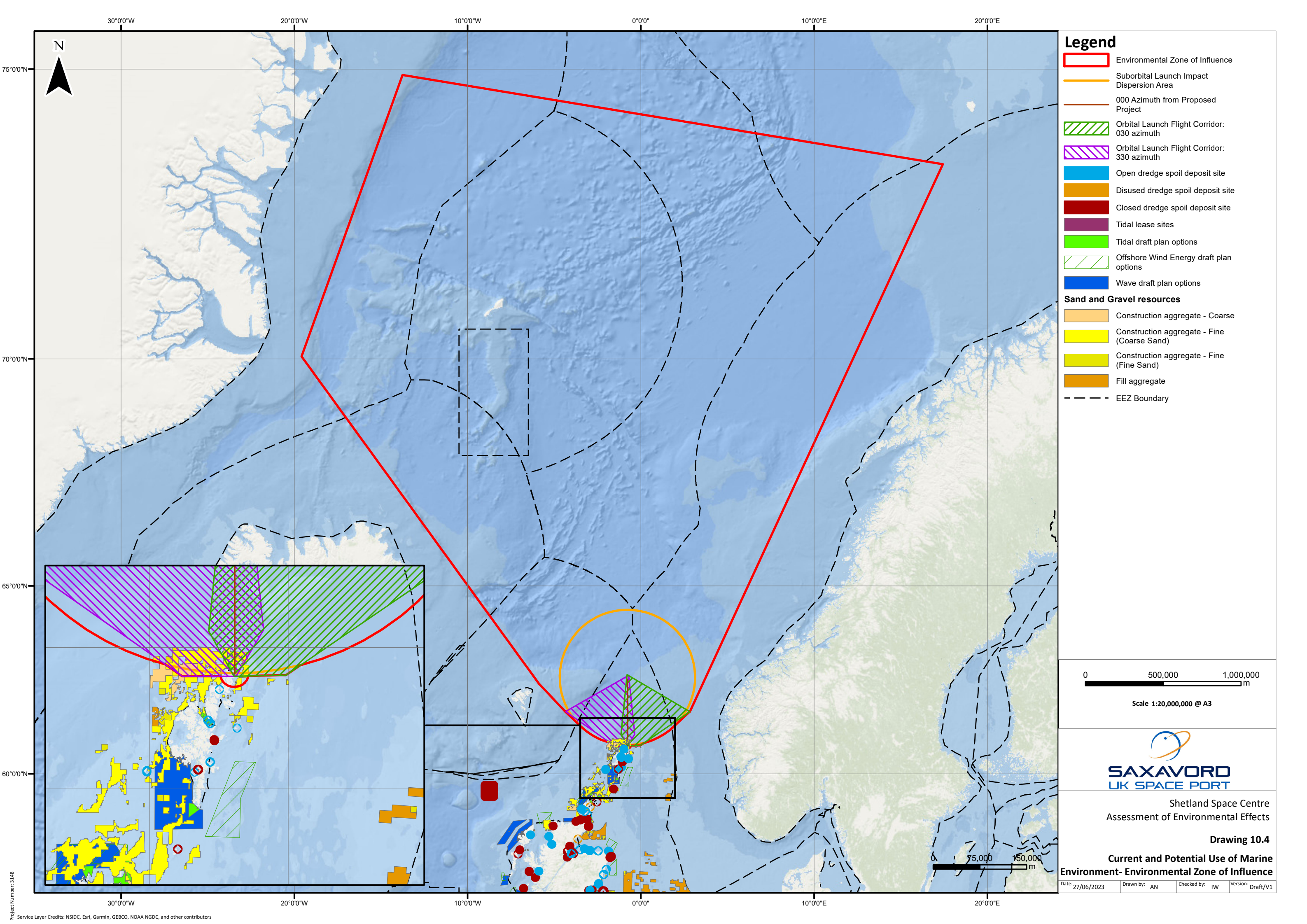
Shetland Space Centre
Assessment of Environmental Effects
Drawing 10.3
Other Marine Users - Environmental Zone of Influence

Date: 27/06/2023 Drawn by: AN Checked by: IW Version: Draft/V1



Chapter 10 Drawing 10.4 Current and Potential Use of Marine Environment within EZI





- Legend**
- Environmental Zone of Influence
 - Suborbital Launch Impact Dispersion Area
 - 000 Azimuth from Proposed Project
 - Orbital Launch Flight Corridor: 030 azimuth
 - Orbital Launch Flight Corridor: 330 azimuth
 - Open dredge spoil deposit site
 - Disused dredge spoil deposit site
 - Closed dredge spoil deposit site
 - Tidal lease sites
 - Tidal draft plan options
 - Offshore Wind Energy draft plan options
 - Wave draft plan options
- Sand and Gravel resources**
- Construction aggregate - Coarse
 - Construction aggregate - Fine (Coarse Sand)
 - Construction aggregate - Fine (Fine Sand)
 - Fill aggregate
 - EEZ Boundary

0 500,000 1,000,000 m
 Scale 1:20,000,000 @ A3



Shetland Space Centre
 Assessment of Environmental Effects

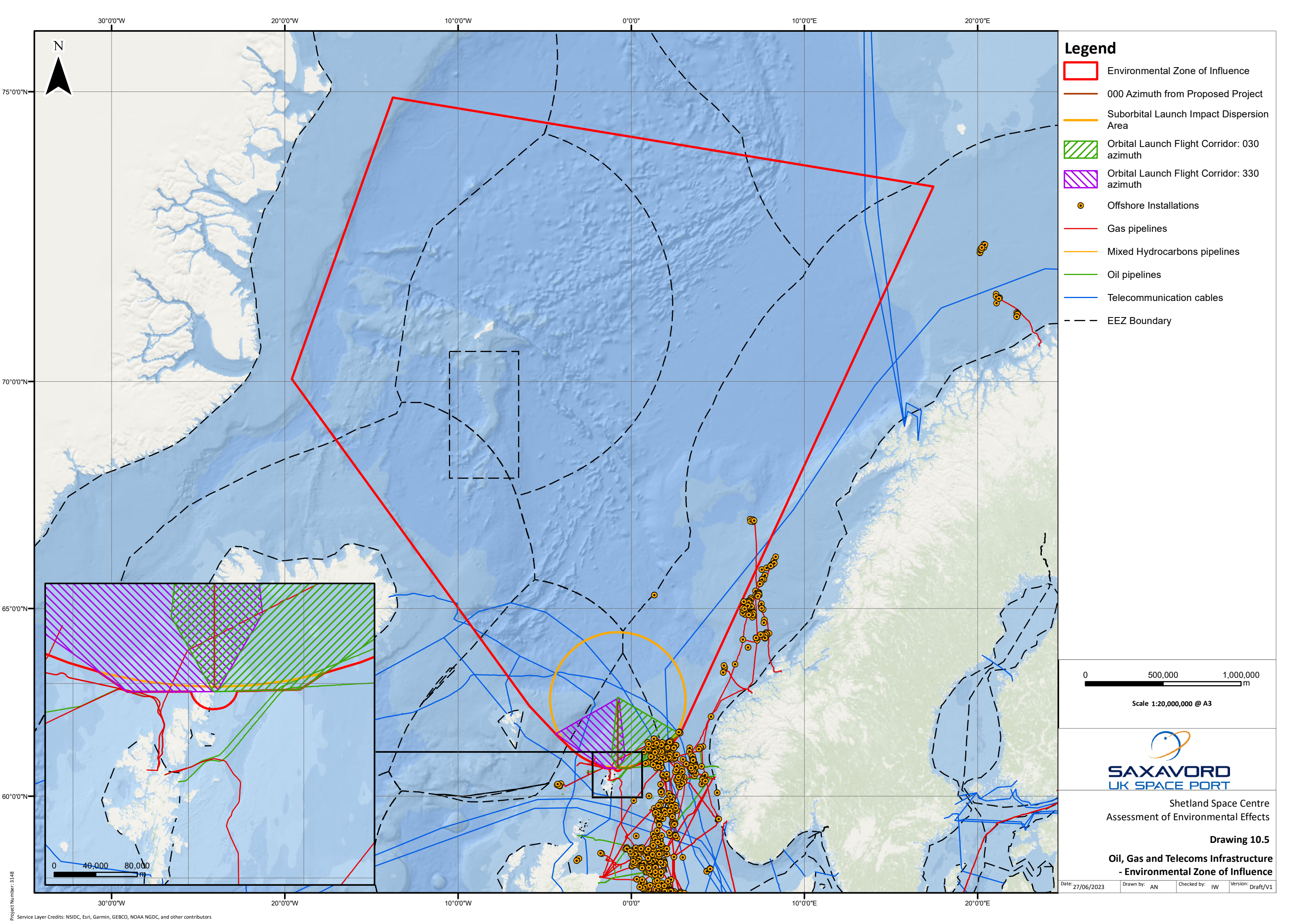
Drawing 10.4
Current and Potential Use of Marine Environment- Environmental Zone of Influence

Date: 27/06/2023 Drawn by: AN Checked by: IW Version: Draft/V1

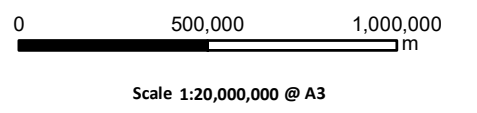
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 Service Layer Credits: NSIDC, Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



Chapter 10 Drawing 10.5 Oil, Gas and Telecoms Infrastructure within EZI



- ### Legend
- Environmental Zone of Influence
 - 000 Azimuth from Proposed Project
 - Suborbital Launch Impact Dispersion Area
 - Orbital Launch Flight Corridor: 030 azimuth
 - Orbital Launch Flight Corridor: 330 azimuth
 - Offshore Installations
 - Gas pipelines
 - Mixed Hydrocarbons pipelines
 - Oil pipelines
 - Telecommunication cables
 - EEZ Boundary



Shetland Space Centre
Assessment of Environmental Effects

Drawing 10.5

**Oil, Gas and Telecoms Infrastructure
- Environmental Zone of Influence**

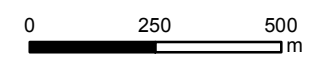
Date: 27/06/2023 Drawn by: AN Checked by: IW Version: Draft/V1

Chapter 11 -

Chapter 12 Drawing 12.1 Geological Features



- KEY**
- Proposed Project Boundary
 - On-Site Road
 - Buildings and other Infrastructure
 - Launch Pads
 - Geological Conservation Review (GCR) Site
 - Class 1 Peat (SNH Carbon and Peatlands Mapping)
 - Site of Special Scientific Interest (SSSI)



Scale 1:15,000 @ A3



Saxa Vord Spaceport
Assessment of Environmental Effects

Drawing 12.1

Geological Features

Date: 17/11/2021	Drawn by: JH	Checked by: RF	Version: v1
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
Project Number: 3108

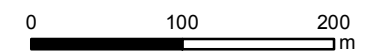


Chapter 12 Drawing 12.2a Proposed Launch Site (Western Section) Aerial Photography



KEY

-  Proposed Launch Site Boundary
-  On-Site Road
-  Buildings and other Infrastructure
-  Launch Pads



Scale 1:5,000 @ A3



SAXAVORD
UK SPACE PORT

Saxa Vord Spaceport
Assessment of Environmental Effects

Drawing 12.2a
Proposed Launch Site (Western Section)
Aerial Photography





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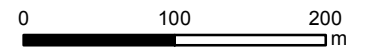


Chapter 12 Drawing 12.2b Proposed Launch Site (Eastern Section) Aerial Photography



KEY

-  Proposed Project Boundary
-  On-Site Road
-  Buildings and other Infrastructure
-  Launch Pads



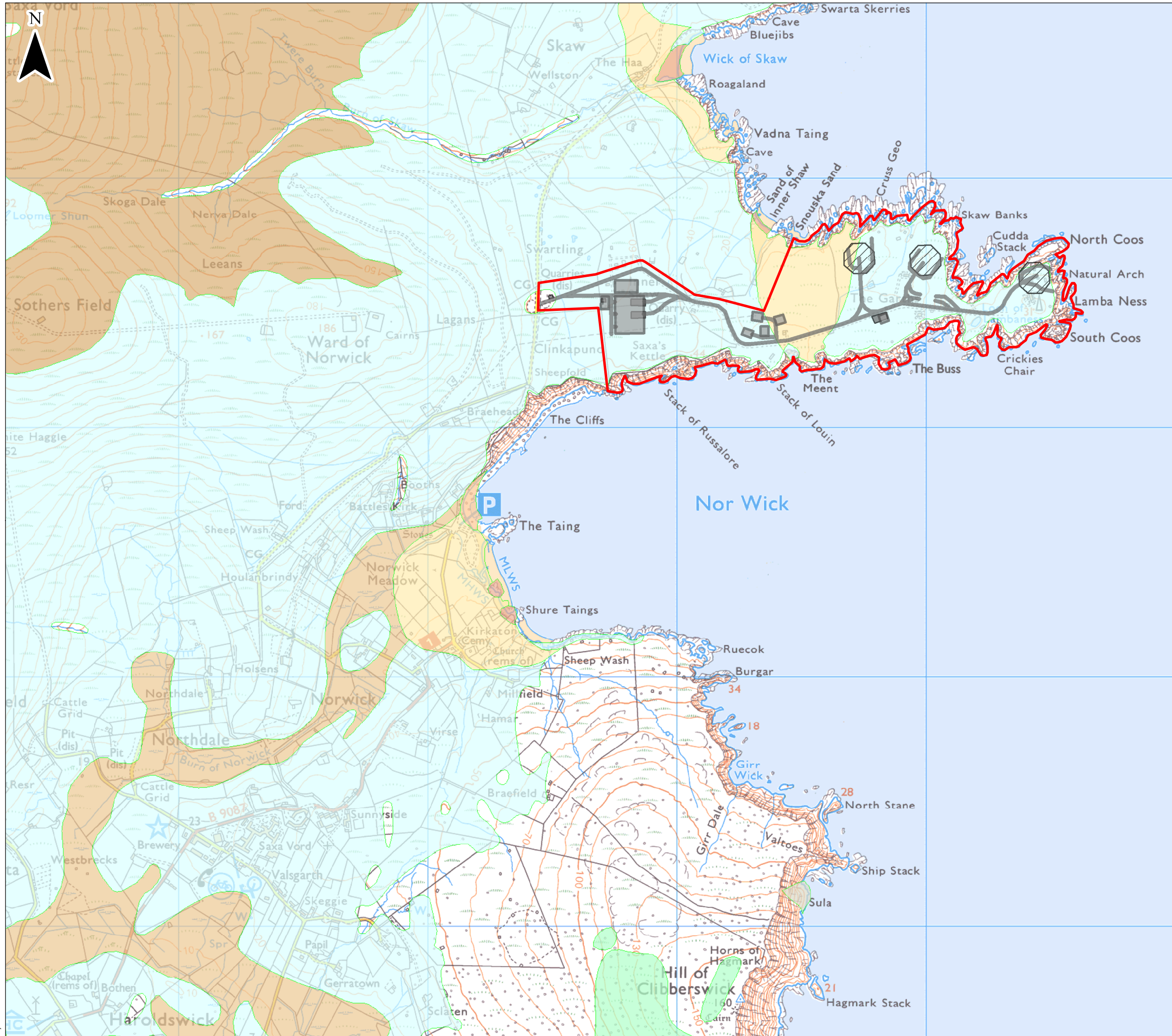
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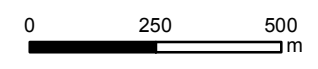
Saxa Vord Spaceport
Assessment of Environmental Effects
Drawing 12.2b
Proposed Launch Site (Eastern Section)
Aerial Photography

Date: 17/11/2021	Drawn by: JH	Checked by: RF	Version: V1
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Chapter 12 Drawing 12.3 Superficial Geology



- KEY**
- Proposed Project Boundary
 - On-Site Road
 - Buildings and other Infrastructure
 - Launch Pads
 - Till
 - Blown Sand
 - Marine Beach Deposits (Sand)
 - Lacustrine Deposits (Clay, Silt and Sand)
 - Peat



Scale 1:15,000 @ A3



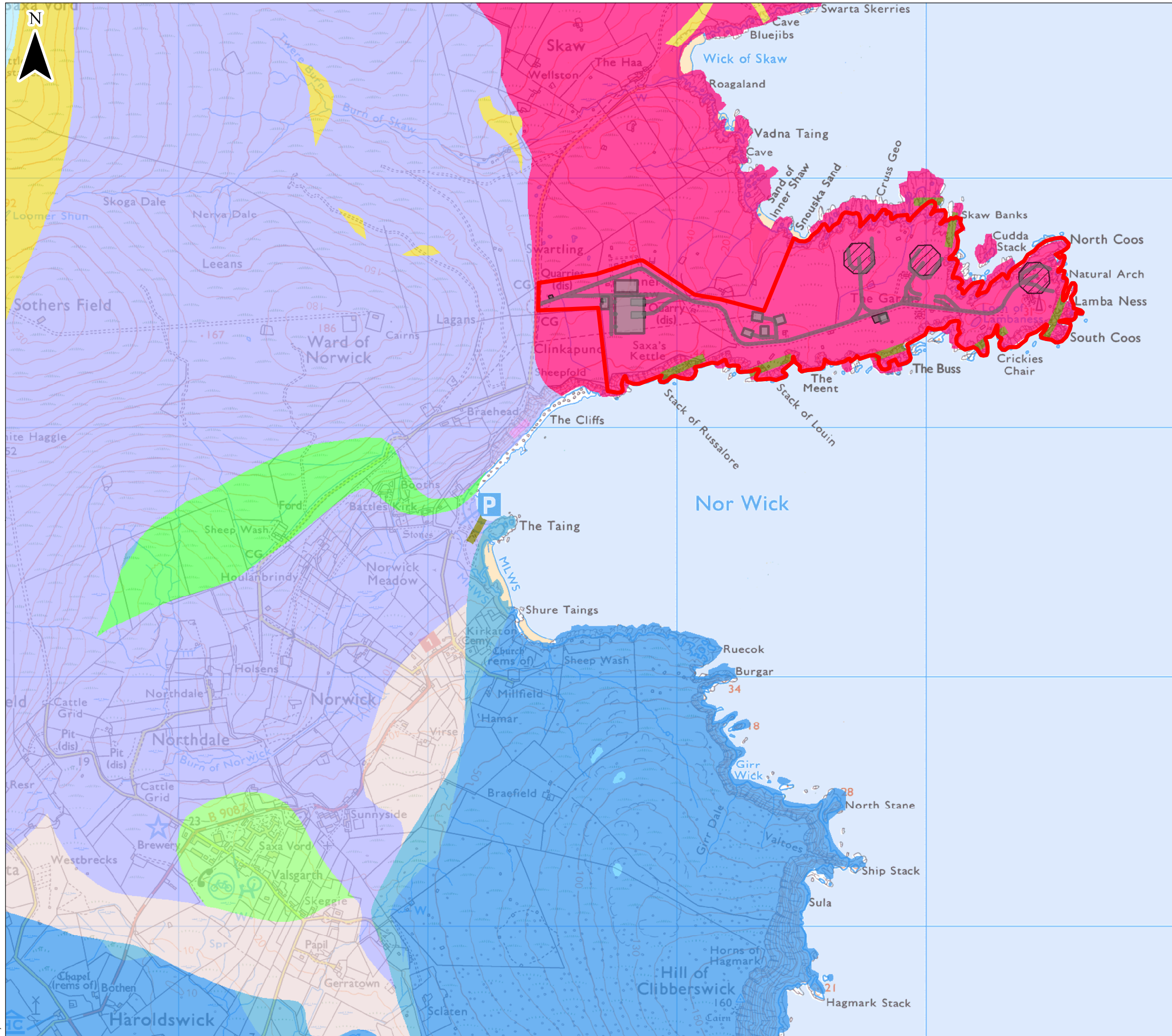
Saxa Vord Spaceport
Assessment of Environmental Effects
Drawing 12.3

Superficial Geology

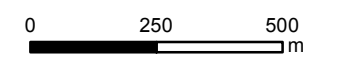
Date: 17/11/2021	Drawn by: JH	Checked by: RF	Version: v1
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Project Number: 3108

Chapter 12 Drawing 12.4 Bedrock Geology



- KEY**
- Proposed Launch Site Boundary
 - On-Site Road
 - Buildings and other Infrastructure
 - Launch Pads
 - Skaw Intrusion - microgranite
 - North Britain Siluro-Devonian Calc-Alkaline Dyke Suite
 - Saxa Vord Pelite Formation
 - Hevda Phyllite Formation
 - Norwick Hornblende Schist
 - Shetland Ophiolite Complex - Talc-rock
 - Shetland Ophiolite Complex - Metaharzburgite
 - Shetland Ophiolite Complex - Meta-adunite
 - Norwick Graphitic Schist Formation
 - Gruting Greenschist Formation



Scale 1:15,000 @ A3



Saxa Vord Spaceport
 Assessment of Environmental Effects
Drawing 12.4

Bedrock Geology

Date: 17/11/2021	Drawn by: JH	Checked by: RF	Version: v1
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Project Number: 3108

Chapter 12 Drawing 12.5 Peat Probe Data



KEY

- Proposed Launch Site Boundary
- On-Site Road
- Buildings and other Infrastructure
- Launch Pads

Recorded Peat Depth

Peat Probes

- 0.5m or less
- >0.5m to 1.0m
- >1.0m to 1.5m
- >1.5m to 2.0m
- >2.0m

Trial Pits

- 0.5m or less
- >0.5m to 1.0m
- >1.0m to 1.5m
- >1.5m to 2.0m
- >2.0m



Scale 1:7,500 @ A3



Shetland Space Centre

Figure 2
Peat Depth Data - All Peat Probes and Trial Pits