

# Orkney Logistics Base (Hatston) EIAR

## Volume 2: Figures



**June 2023**

## **Orkney Logistics Hub (Hatston) EIAR**

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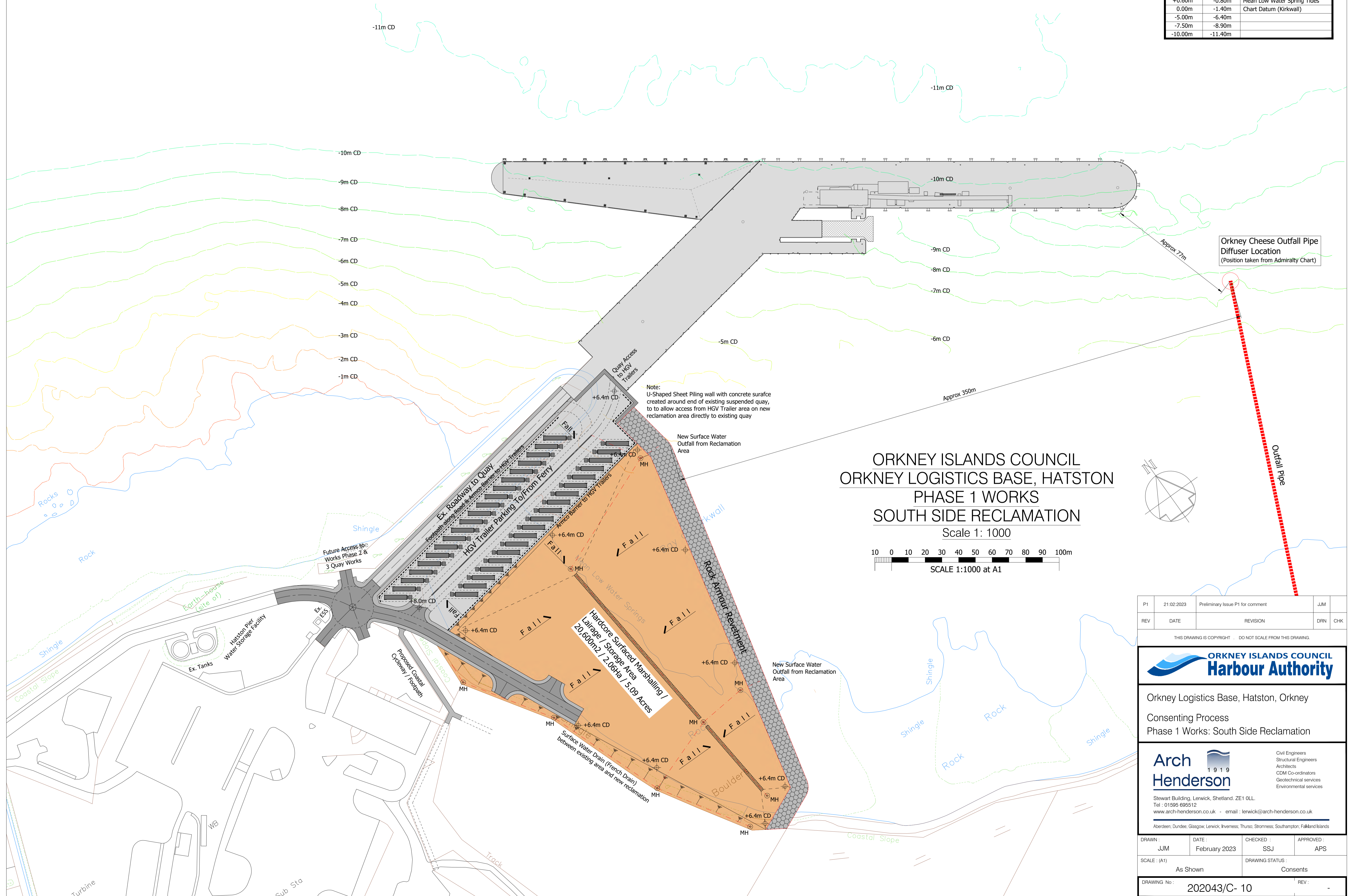
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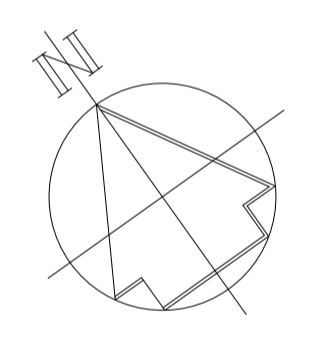
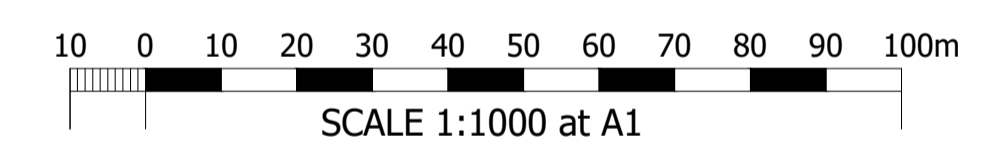
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Chart Datum (Kirkwall)	Ordnance Datum (Newlyn)	Quay Heights and Tide Data Hatston Pier, Kirkwall
+6.40m	+5.00m	Quay Edge Level
+3.00m	+1.60m	Mean High Water Spring Tides
+1.40m	0.00m	Ordnance Datum (Newlyn)
+0.60m	-0.80m	Mean Low Water Spring Tides
0.00m	-1.40m	Chart Datum (Kirkwall)
-5.00m	-6.40m	
-7.50m	-8.90m	
-10.00m	-11.40m	



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ORKNEY LOGISTICS BASE, HATSTON  
PHASE 1 WORKS  
SOUTH SIDE RECLAMATION  
Scale 1: 1000



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Orkney Logistics Base, Hatston, Orkney  
Consenting Process  
Phase 1 Works: South Side Reclamation

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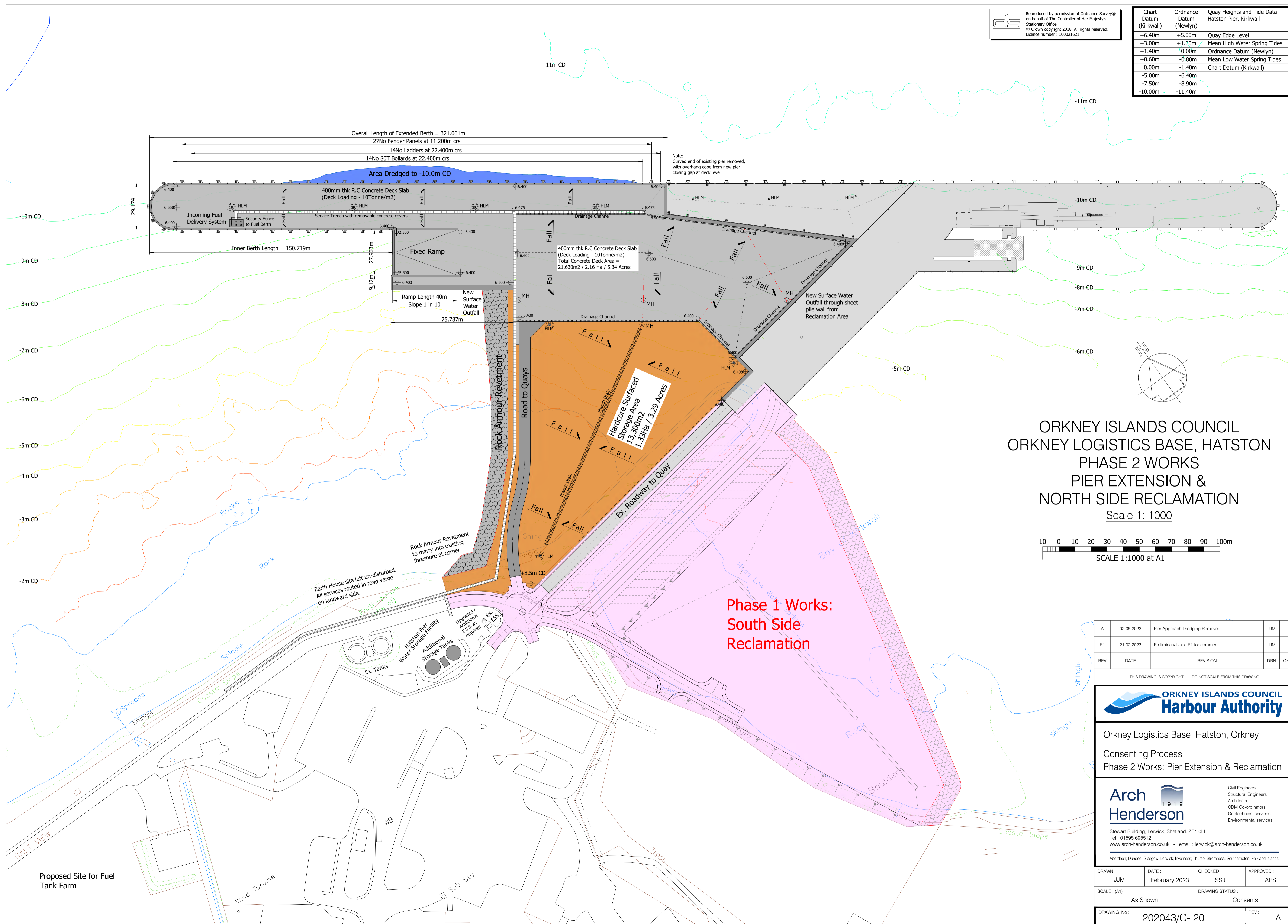
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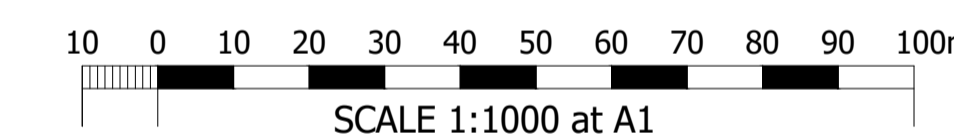
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-7.50m	-8.90m	
-10.00m	-11.40m	



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PHASE 2 WORKS  
PIER EXTENSION &  
NORTH SIDE RECLAMATION

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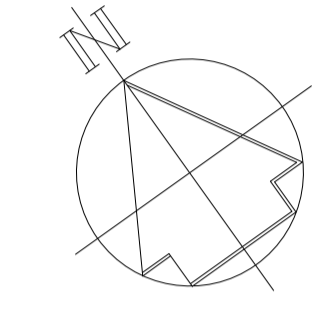
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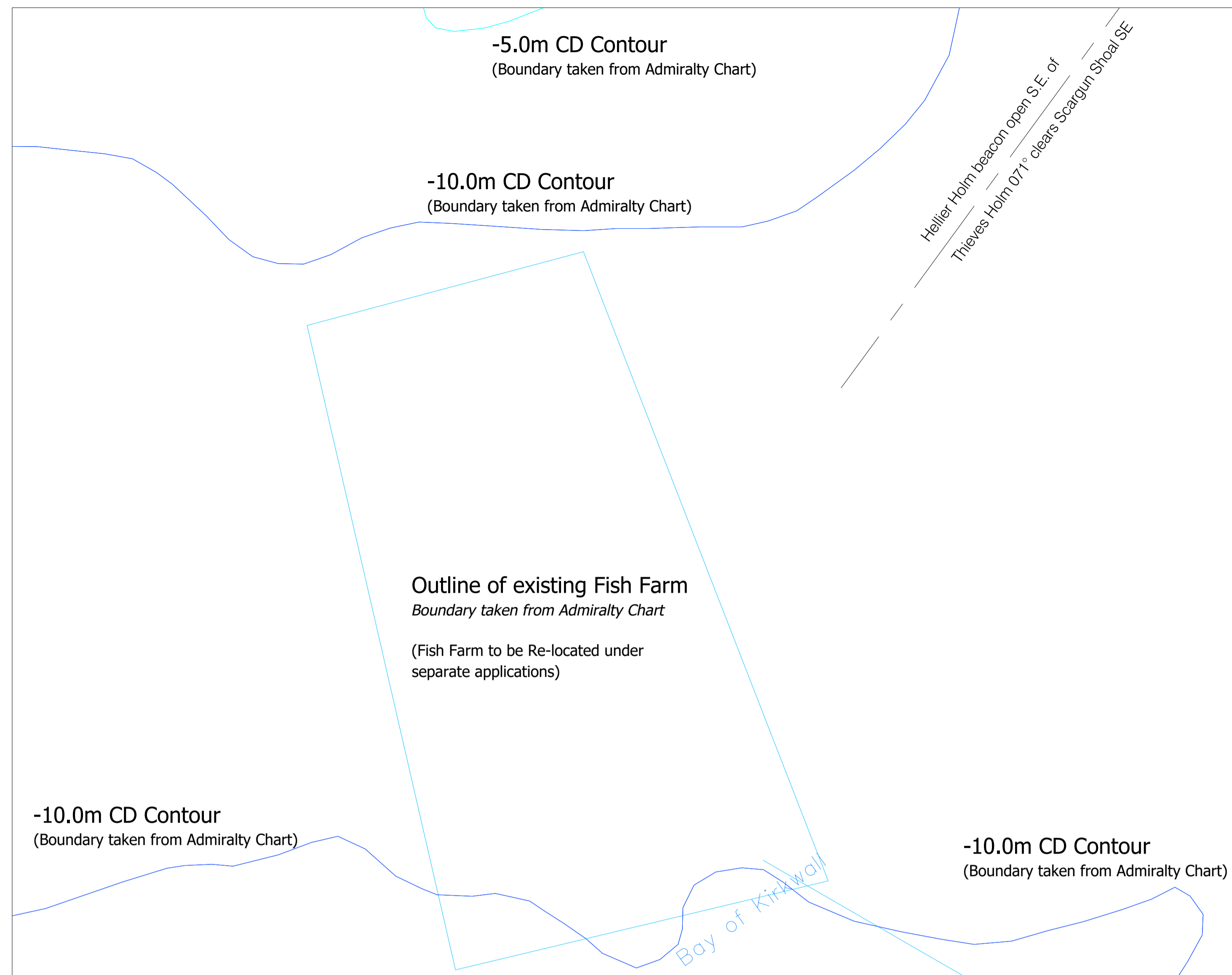
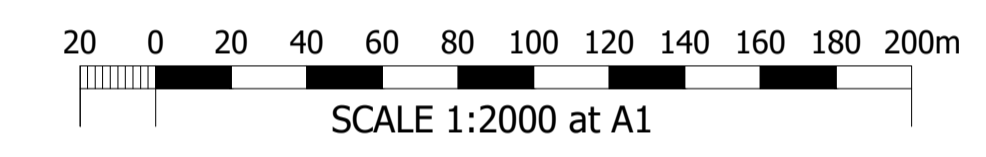
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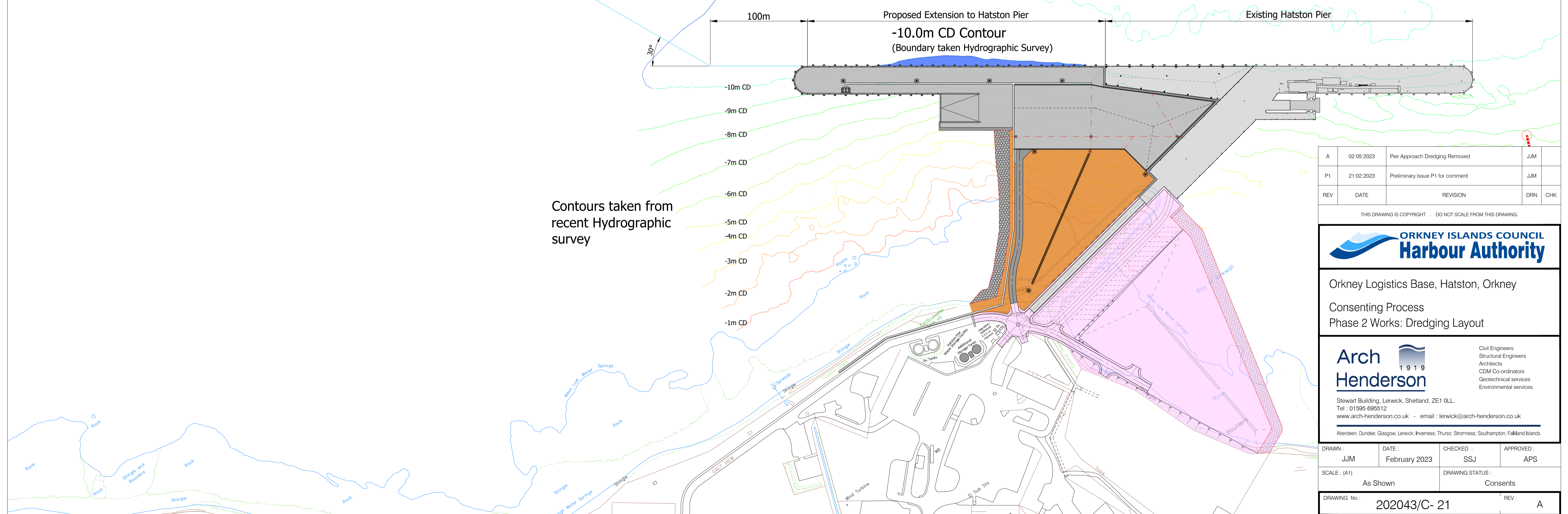
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-10.00m	-11.40m	



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PHASE 2 WORKS  
DREDGING LAYOUT  
Scale 1: 2000



Works Phase 2: Dredging	Quantities
Pier Berth	
Dredged Area (assumed no blasting required)	1,307m <sup>2</sup>
Dredged Quantity (available for pier works infill)	650m <sup>3</sup>



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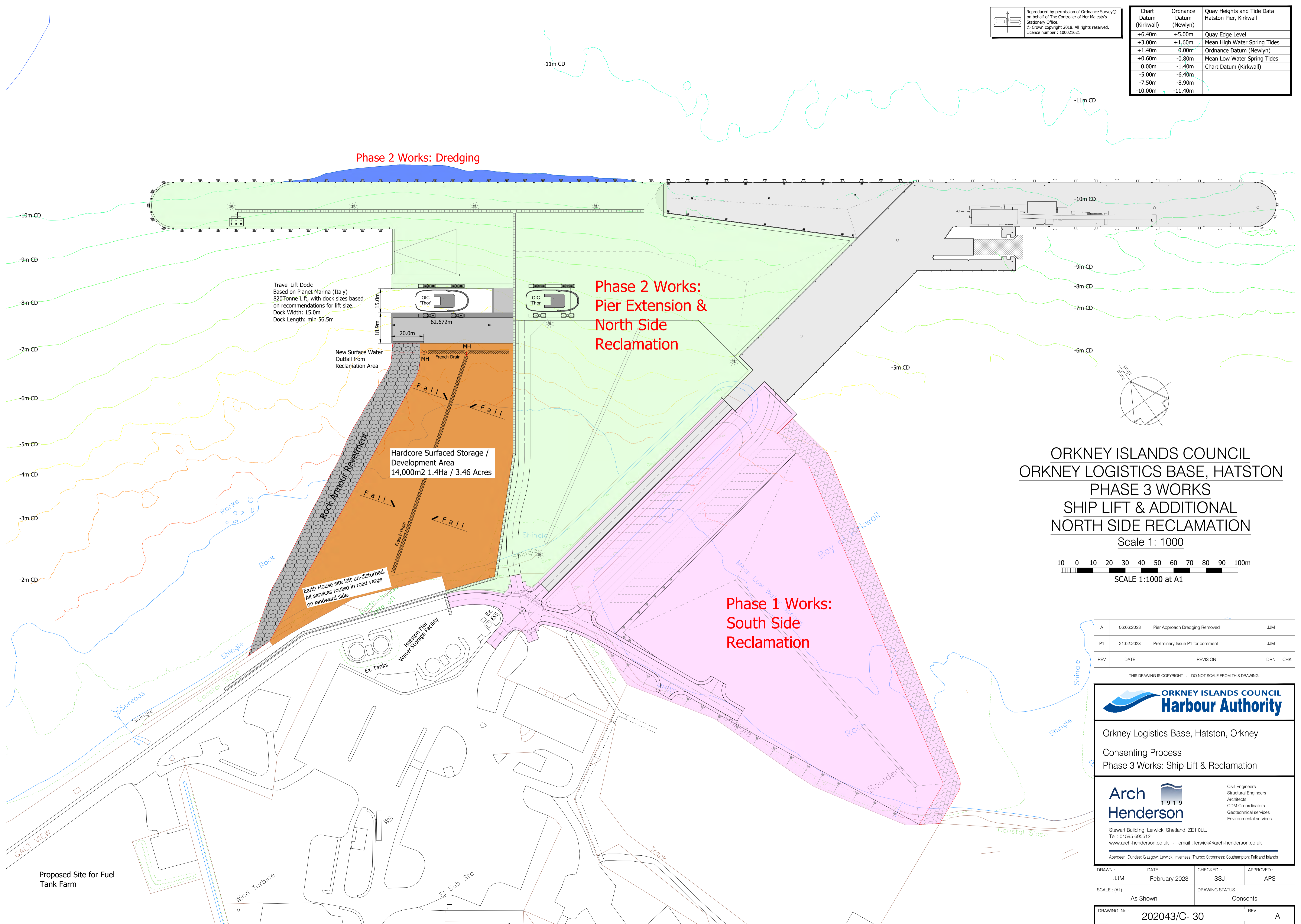
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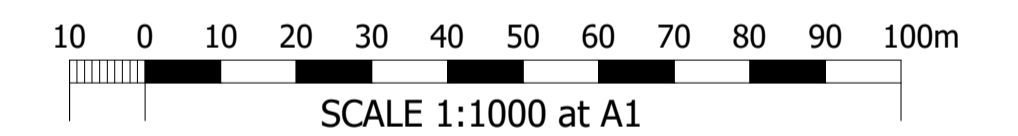
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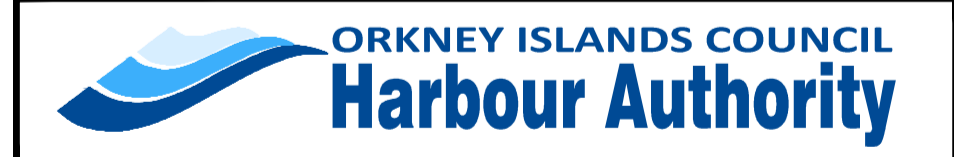
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PHASE 3 WORKS  
SHIP LIFT & ADDITIONAL  
NORTH SIDE RECLAMATION

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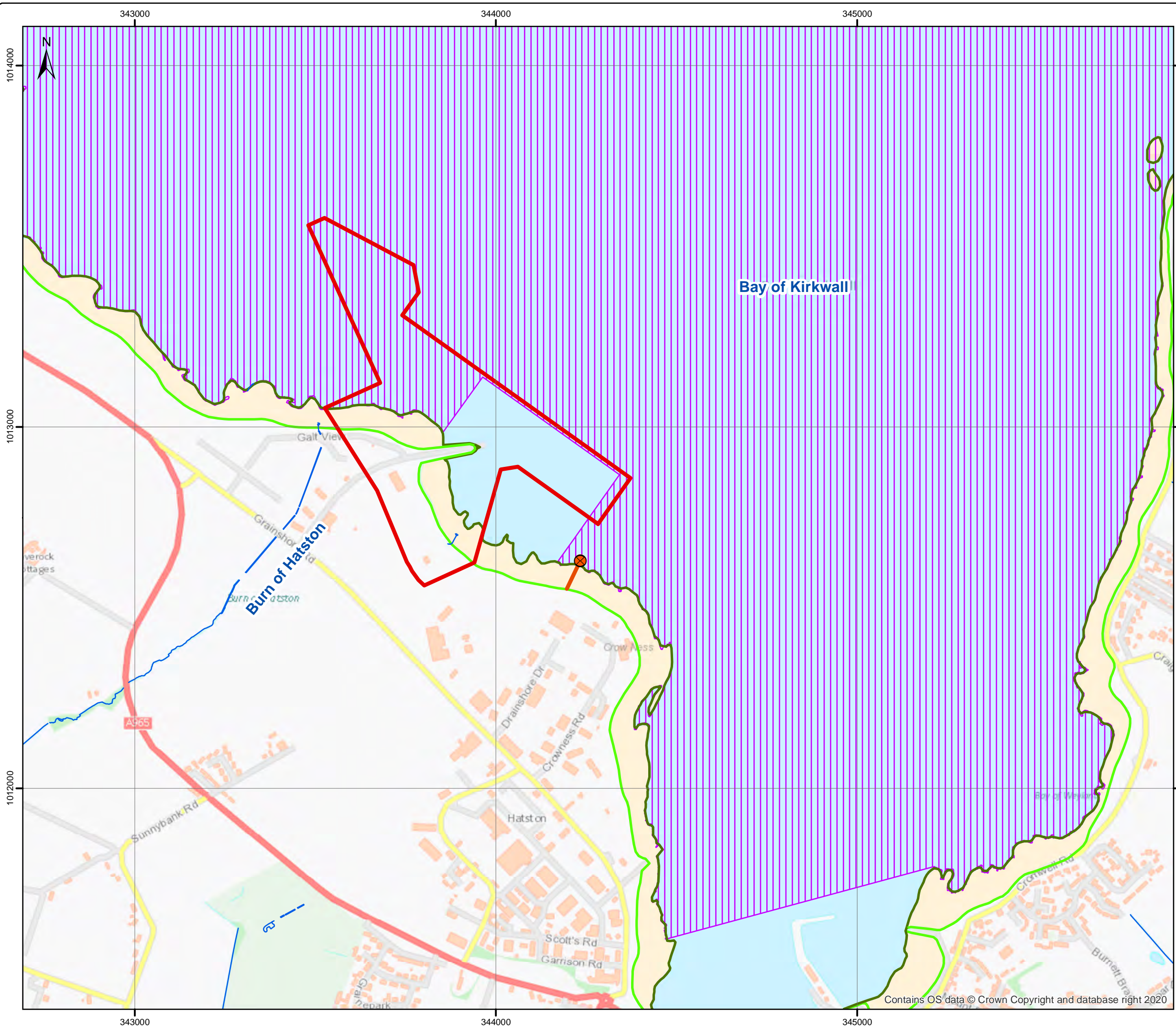
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**Legend**

- Hatston Site Boundary
- ⊗ Existing Outfall
- Water Feature
- Mean High Water Springs
- Mean Low Water Springs
- Special Protection Areas

Do not scale this map  
**Client**  
 Orkney Islands Council Harbour Authority

**Project**  
 Hatston Pier

**Title**  
 Figure 4.1: Hydrological Overview

**Status**  
 DRAFT

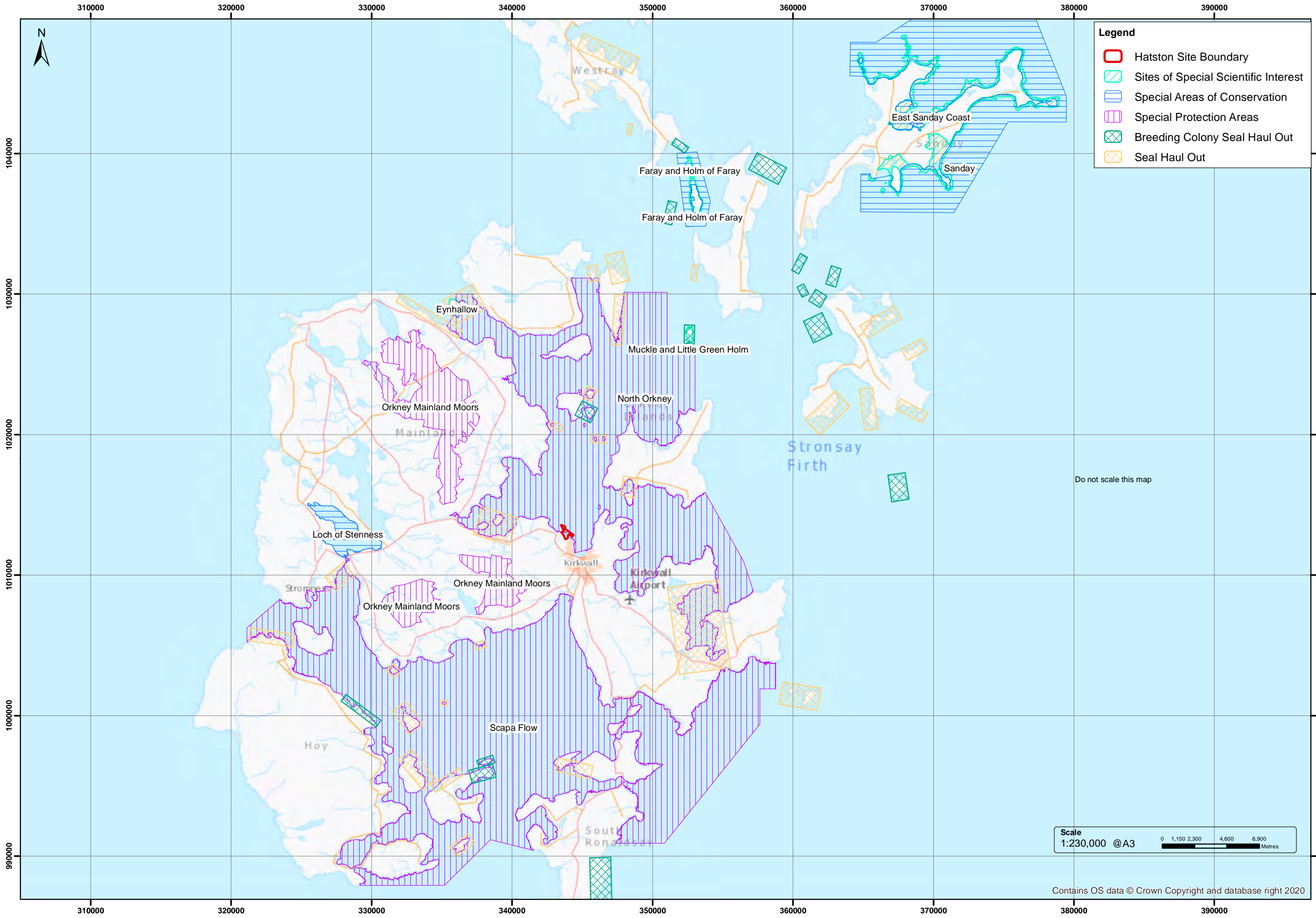
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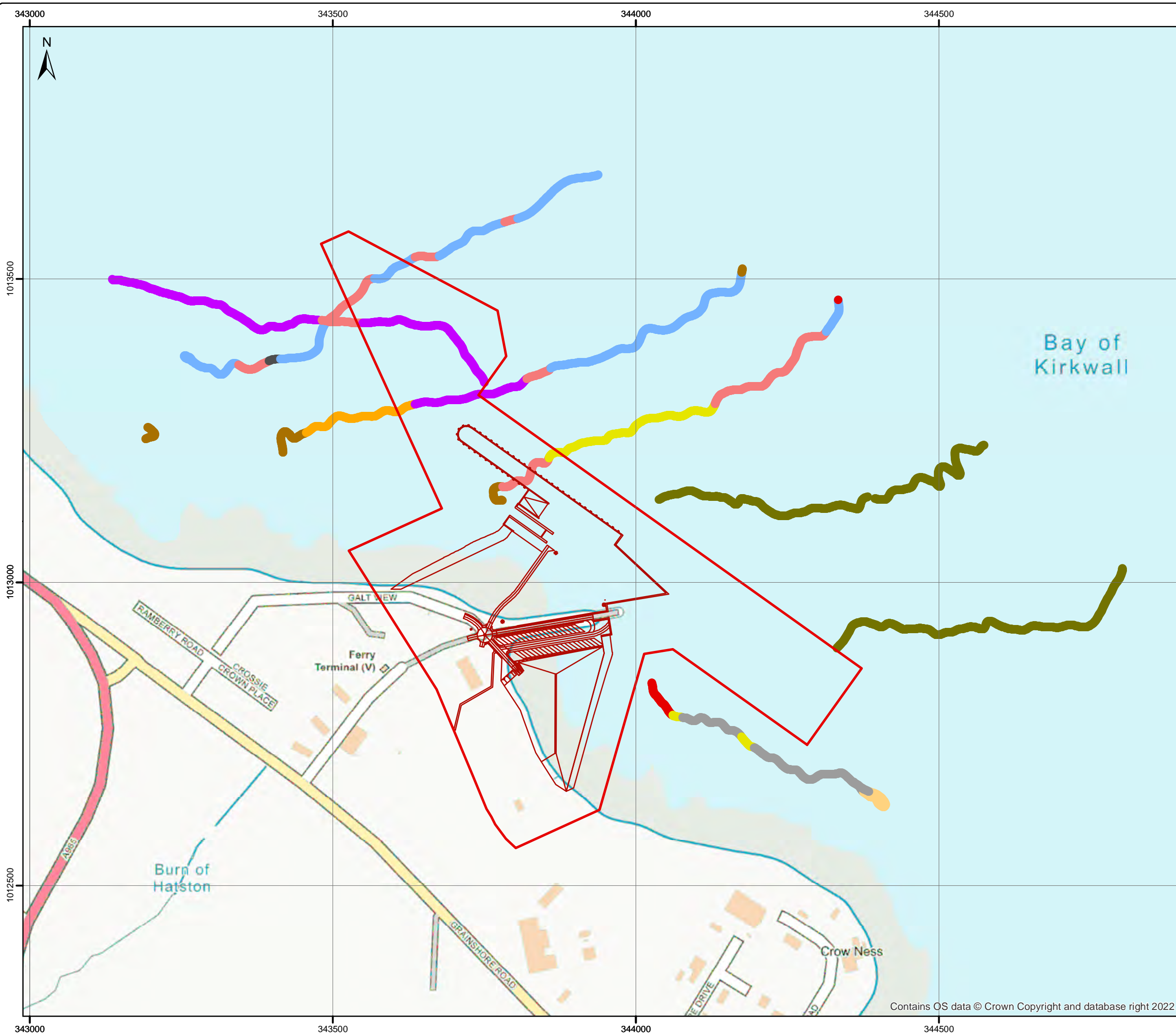
**Legend**

- Hatston Site Boundary
- Sites of Special Scientific Interest
- Special Areas of Conservation
- Special Protection Areas
- Breeding Colony Seal Haul Out
- Seal Haul Out

Scale  
1:230,000 @A3

0 1,150 2,300 4,600 6,900 Metres





**Legend**

- Hatston Site Boundary
- Development Design

**Benthic Habitats**

- IR.LIR.K.LhypSlat.Gz
- IR.LIR.K.SLat.Pk
- IR.LIR.K.Slat
- IR.LIR.K.Slat.Gz
- SS.SMp.KSwSS.SlatR
- SS.SMp.KSwSS.SlatR.CbPb
- SS.SMu.CFiMu.SpMmeg
- SS.SMu.ISaMu
- SS.SMx.IMx
- SS.SMx.IMx.SpavSpAn
- SS.SSa.IMuSa

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**Client**  
 Orkney Islands Harbour Authority

**Project**  
 Hatston

**Title**  
 Benthic Habitats - Video Analysis

**Status**  
 FINAL

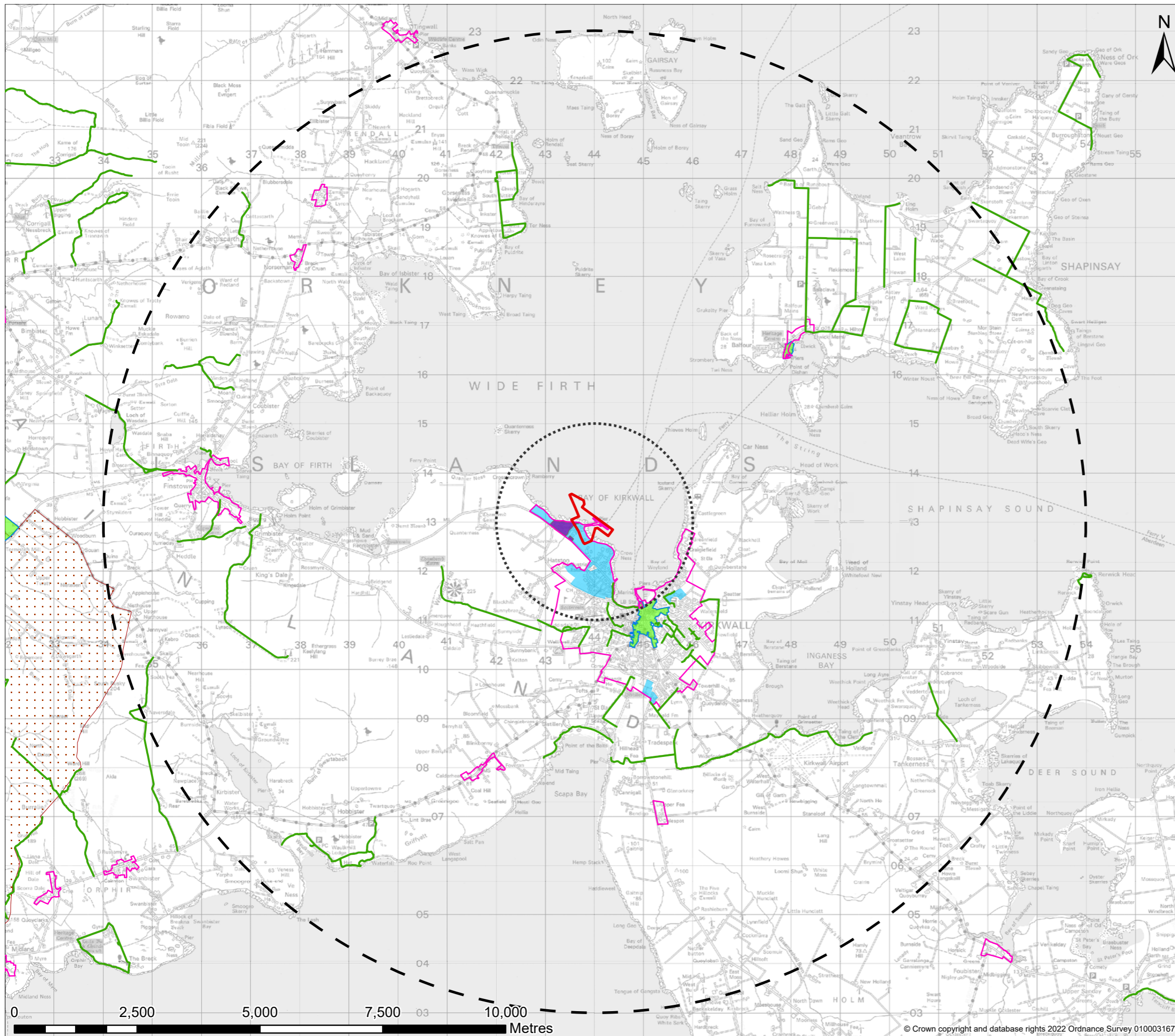
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**Legend**

- Site boundary
- 2km study area
- 10km study area
- Business and industrial land
- Conservation area
- Crownes Business Park
- Settlement boundary
- Strategic open space
- National scenic area
- Core paths



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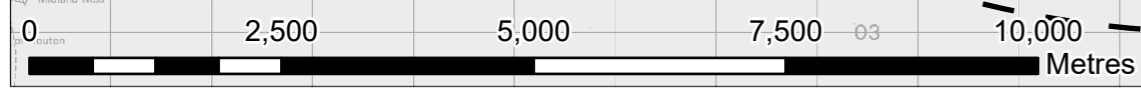
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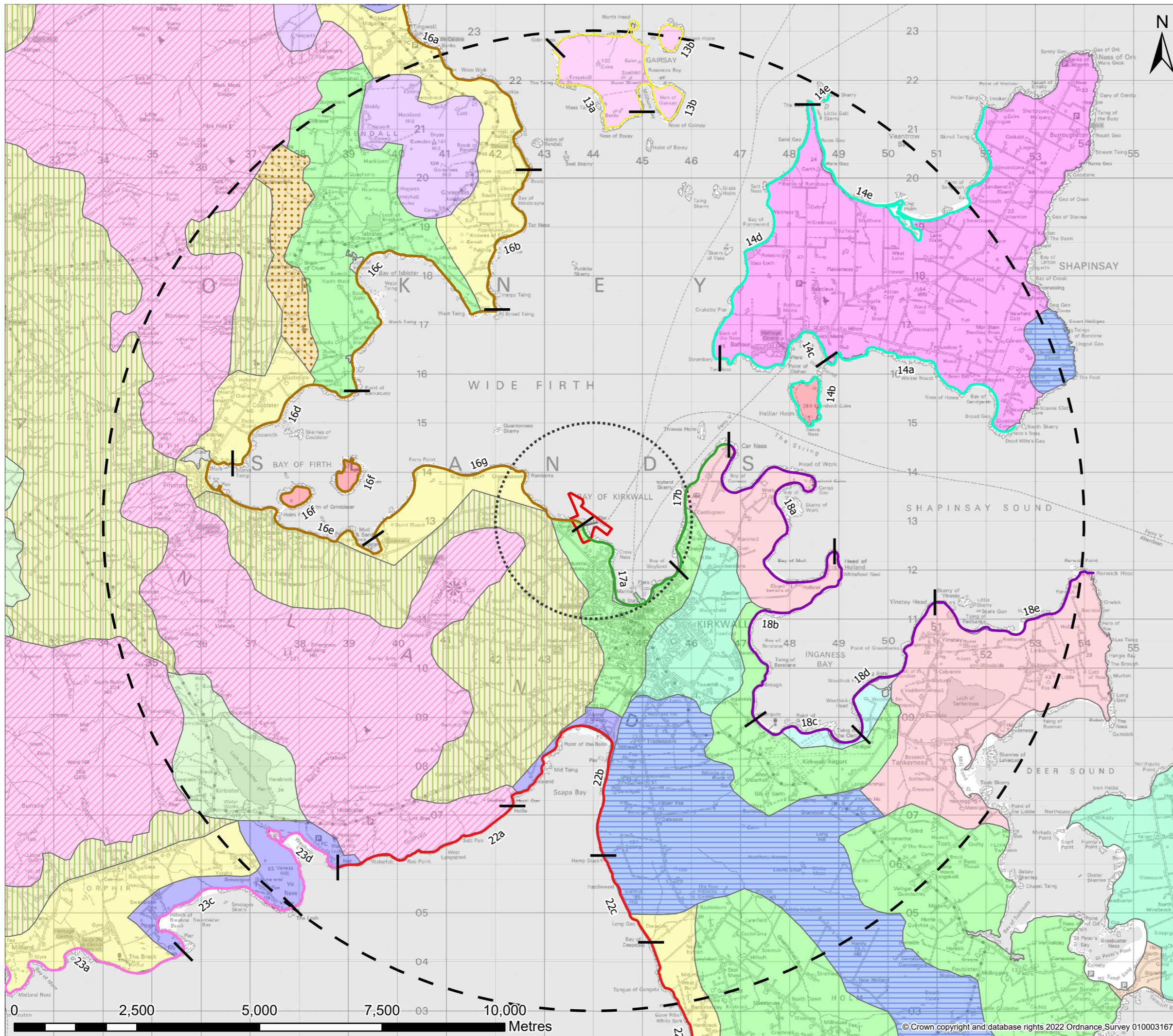
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**FIGURE 7.1  
 PLANNING POLICY CONTEXT**

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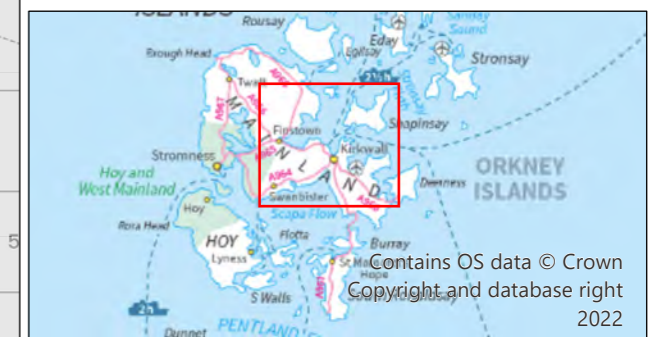
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**Legend**

- Site boundary
- 2km study area
- 10km study area
- Local character area**
- Coast with Sand - Orkney
- Coastal Basin
- Coastal Plain - Orkney
- Enclosed Bays
- Holms
- Inclined Coastal Pasture
- Isolated Coastal Knolls
- Loch Basin - Orkney
- Low Island Pastures
- Moorland Hills - Orkney
- Peatland Basin
- Plateau Heath and Pasture
- Ridgeline Islands
- Rolling Hill Fringe
- Undulating Island Pasture
- Whaleback Islands
- Coastal character area**
- Gairsay
- Shapinsay West
- Wide Firth
- Kirkwall
- Shapinsay Sound and Ingaess Bay
- Scapa Bay
- Orphir



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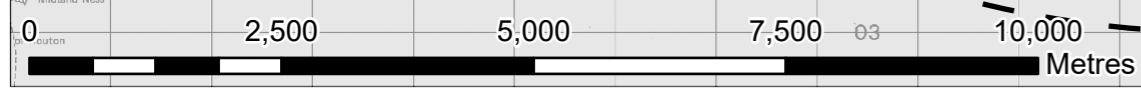
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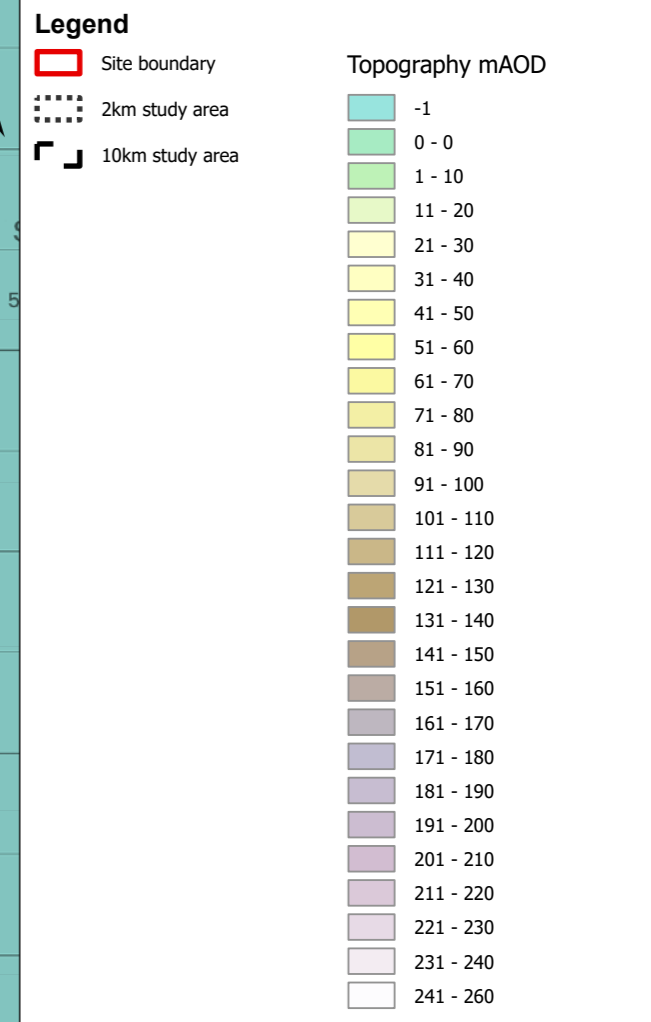
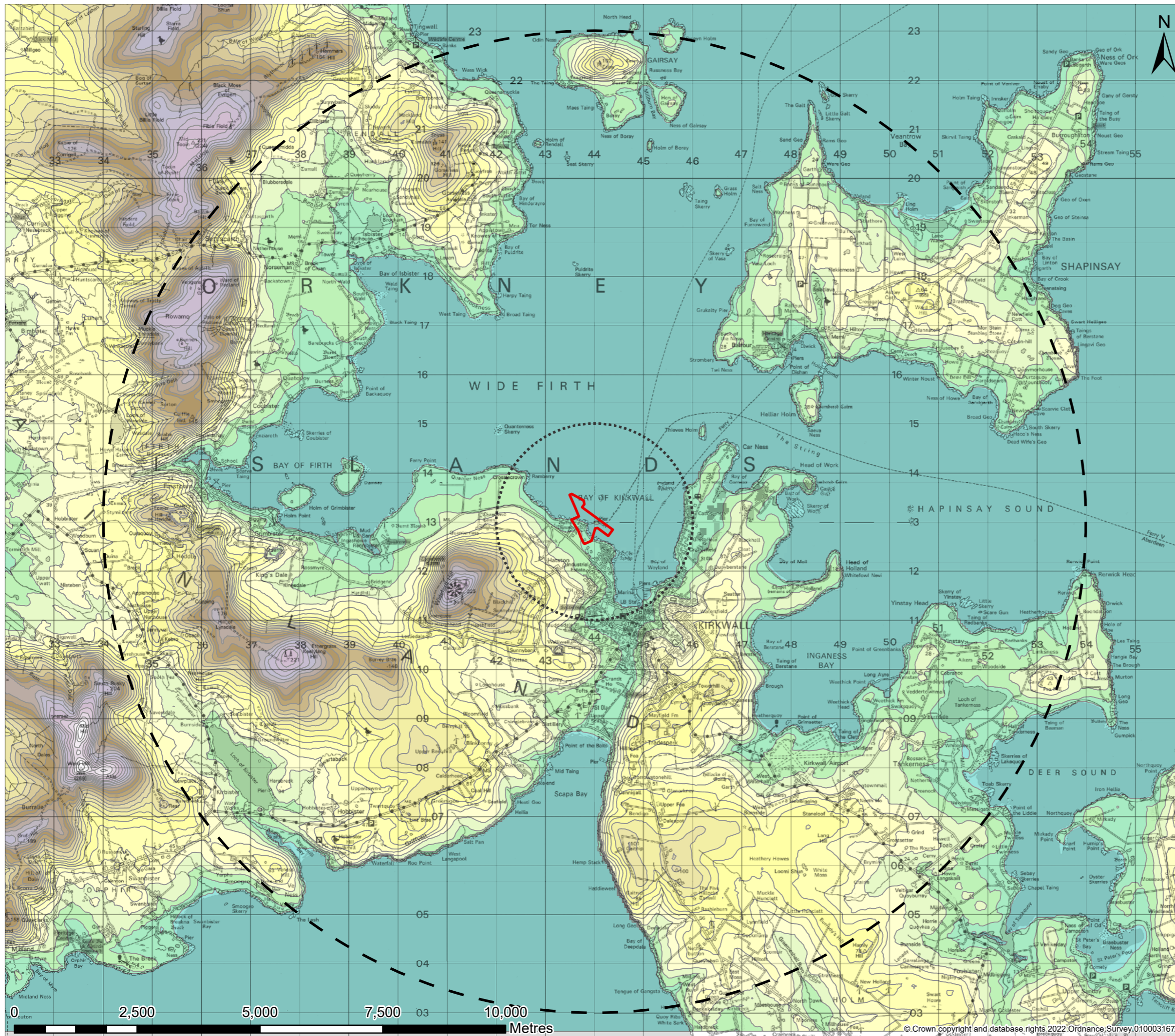
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**FIGURE 7.6  
 LANDSCAPE AND COASTAL CHARACTER**

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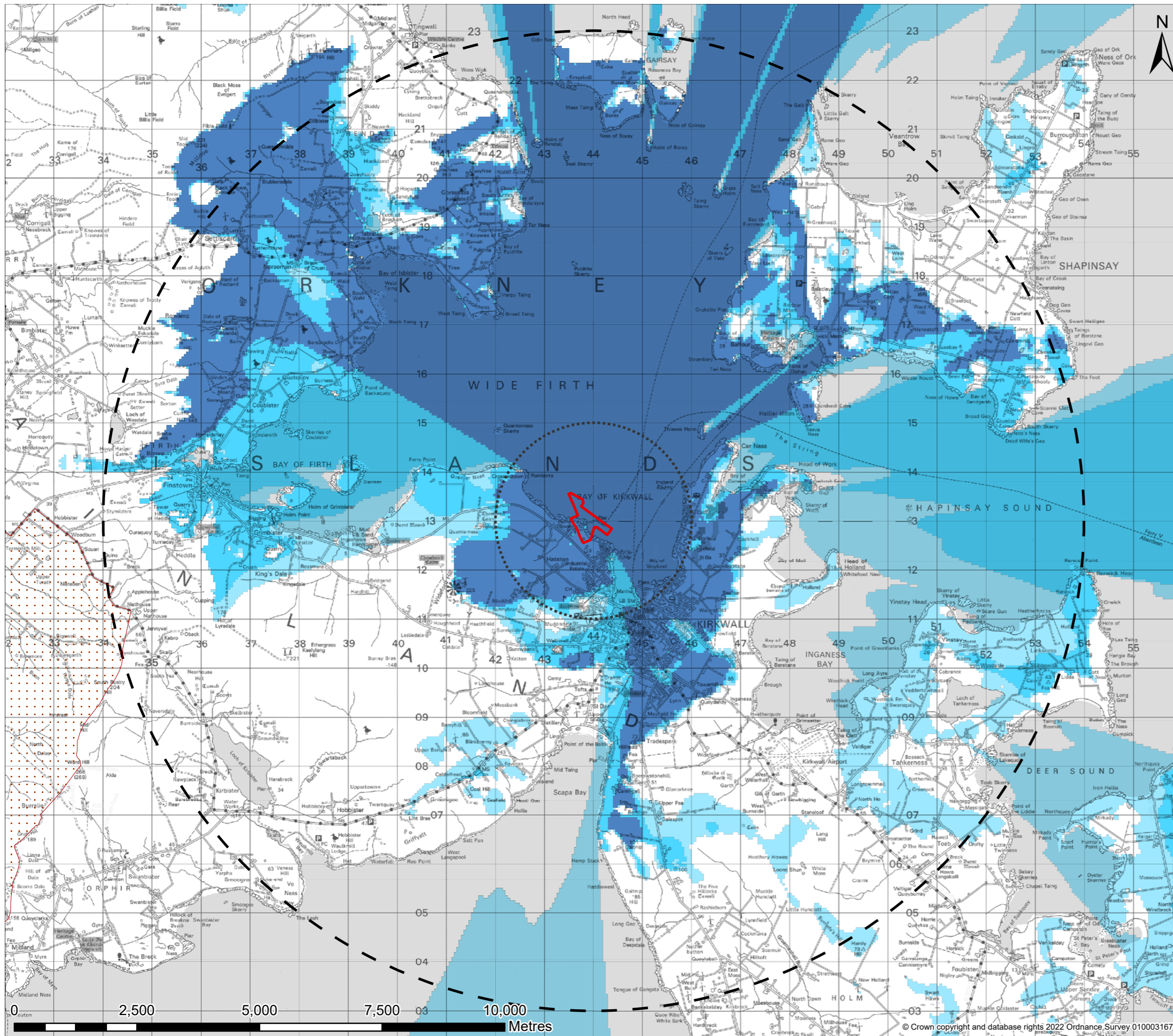
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<b>FIGURE 7.7 TOPOGRAPHICAL CONTEXT</b>					
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- Legend**
- Site boundary
  - 2km study area
  - 10km study area
  - National scenic area
  - ZTV 10m AOD
  - ZTV 50m AOD
  - ZTV 10m AOD



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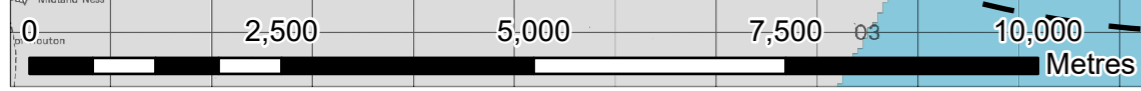
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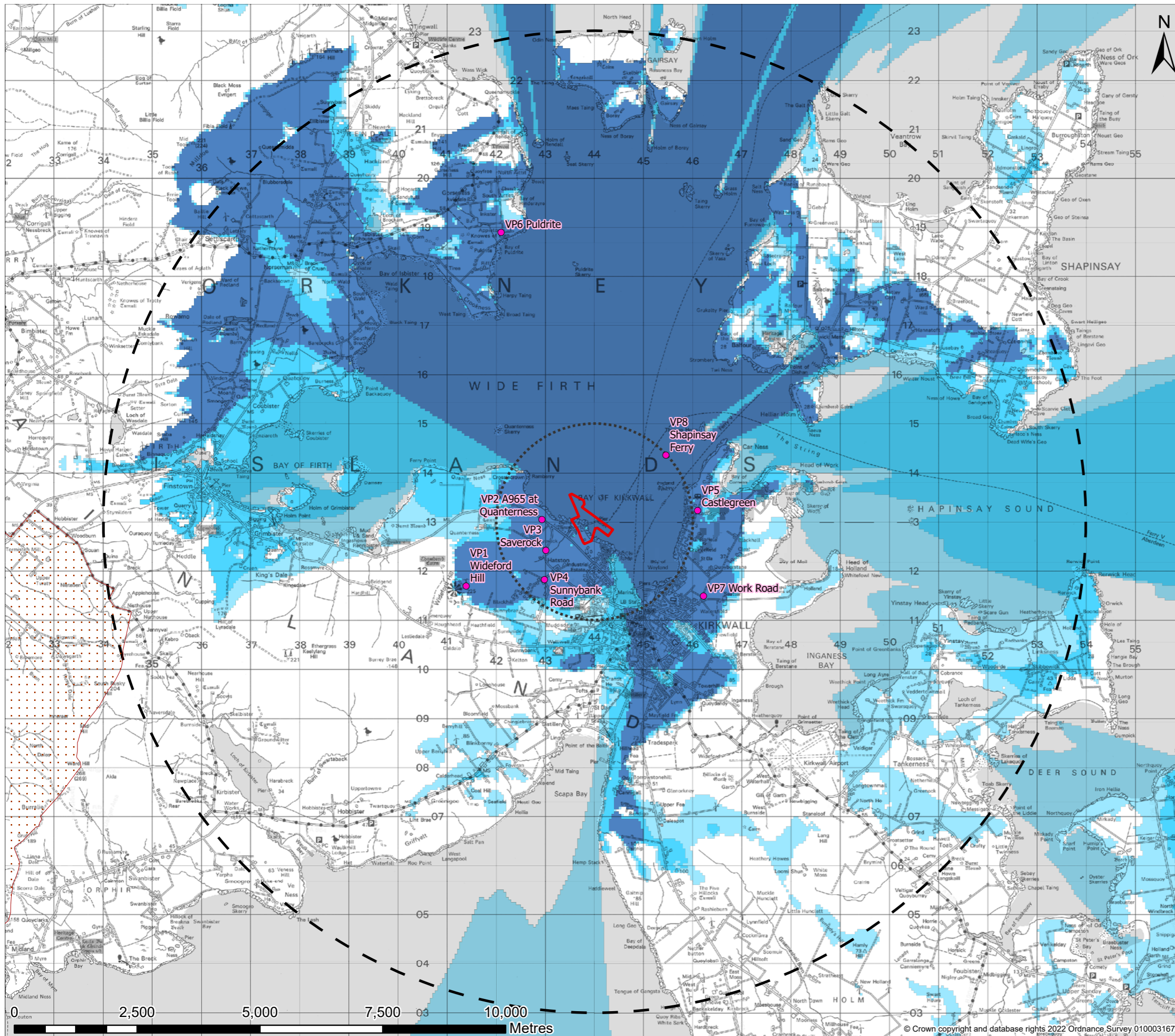
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**FIGURE 7.8  
 ZONE OF THEORETICAL VISIBILITY**

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- Legend**
- Site boundary
  - 2km study area
  - 10km study area
  - Viewpoint location
  - National scenic area
  - ZTV 10m AOD
  - ZTV 50m AOD
  - ZTV 10m AOD



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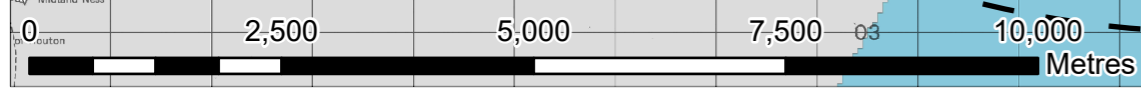
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**FIGURE 7.18  
 VIEWPOINT LOCATIONS**

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**Viewpoint 1: Wideford Hill**

Distance from site: 2.7 km  
Bearing from site: 62°  
Viewpoint grid reference: E341369, N1011725  
Viewpoint ground height: 209m  
Date & time of photo: 13/10/2022 12:10



Project  
ORKNEY LOGISITICS BASE (HATSTON)

Drawing Title  
Figure 7.19  
Representative viewpoints



**Viewpoint 2: A965 at Quanterness**

Distance from site: 0.9 km      Date & time of photo: 13/10/2022 11:12  
Bearing from site: 88°  
Viewpoint grid reference: E342910, N1013072  
Viewpoint ground height 14m



Project  
**ORKNEY LOGISITICS BASE (HATSTON)**  
Drawing Title  
**Figure 7.20**  
Representative viewpoints





Approximate site extent

**Viewpoint 3: A65 at Saverock**

Distance from site: 1.0 km  
Bearing from site: 56°  
Viewpoint grid reference: E342998, N1012448  
Viewpoint ground height: 32m  
Date & time of photo: 13/10/2022 10:22



Abbey House, 4th Floor,  
33 Booth Street, Manchester, M2 3LW  
Tel: +44 (0) 161 927 4830


Project  
**ORKNEY LOGISITICS BASE (HATSTON)**  
Drawing Title  
**Figure 7.21**  
Representative viewpoints



Approximate site extent

**Viewpoint 4: Sunnybank Road**

Distance from site: 1.2 km  
 Bearing from site: 65°  
 Viewpoint grid reference: E342974, N1011843  
 Viewpoint ground height: 61m  
 Date & time of photo: 24/01/2023 12:10


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	Drawing Title <b>Figure 7.22</b> Representative viewpoints



**Viewpoint 5: Castlegreen**

Distance from site: 2.1 km  
Bearing from site: 263°  
Viewpoint grid reference: E346096, N1013258  
Viewpoint ground height 8m

Date & time of photo: 13/10/2022 11:30

<b>SWECO</b>  Abbey House, 4th Floor, 33 Booth Street, Manchester, M2 3LW Tel: +44 (0) 161 927 4830	Project <b>ORKNEY LOGISITICS BASE (HATSTON)</b>
	Drawing Title <b>Figure 7.23</b> Representative viewpoints



**Viewpoint 6: Puldrite**

Distance from site: 5.9 km  
Bearing from site: 165°  
Viewpoint grid reference: E342135, N1018890  
Viewpoint ground height: 15m  
Date & time of photo: 13/10/2022 10:49




Project  
ORKNEY LOGISTICS BASE (HATSTON)

Drawing Title  
Figure 7.24  
Representative viewpoints



**Viewpoint 7: Kirkwall Work Road**

Distance from site: 2.7 km  
Bearing from site: 304°  
Viewpoint grid reference: E346195, N1011479  
Viewpoint ground height: 39m  
Date & time of photo: 13/10/2022 11:25

<b>SWECO</b>  Abbey House, 4th Floor, 33 Booth Street, Manchester, M2 3LW Tel: +44 (0) 161 927 4830	Project <b>ORKNEY LOGISTICS BASE (HATSTON)</b>
	Drawing Title <b>Figure 7.25</b> Representative viewpoints



Approximate site extent

**Viewpoint 8: Shapinsay Ferry**

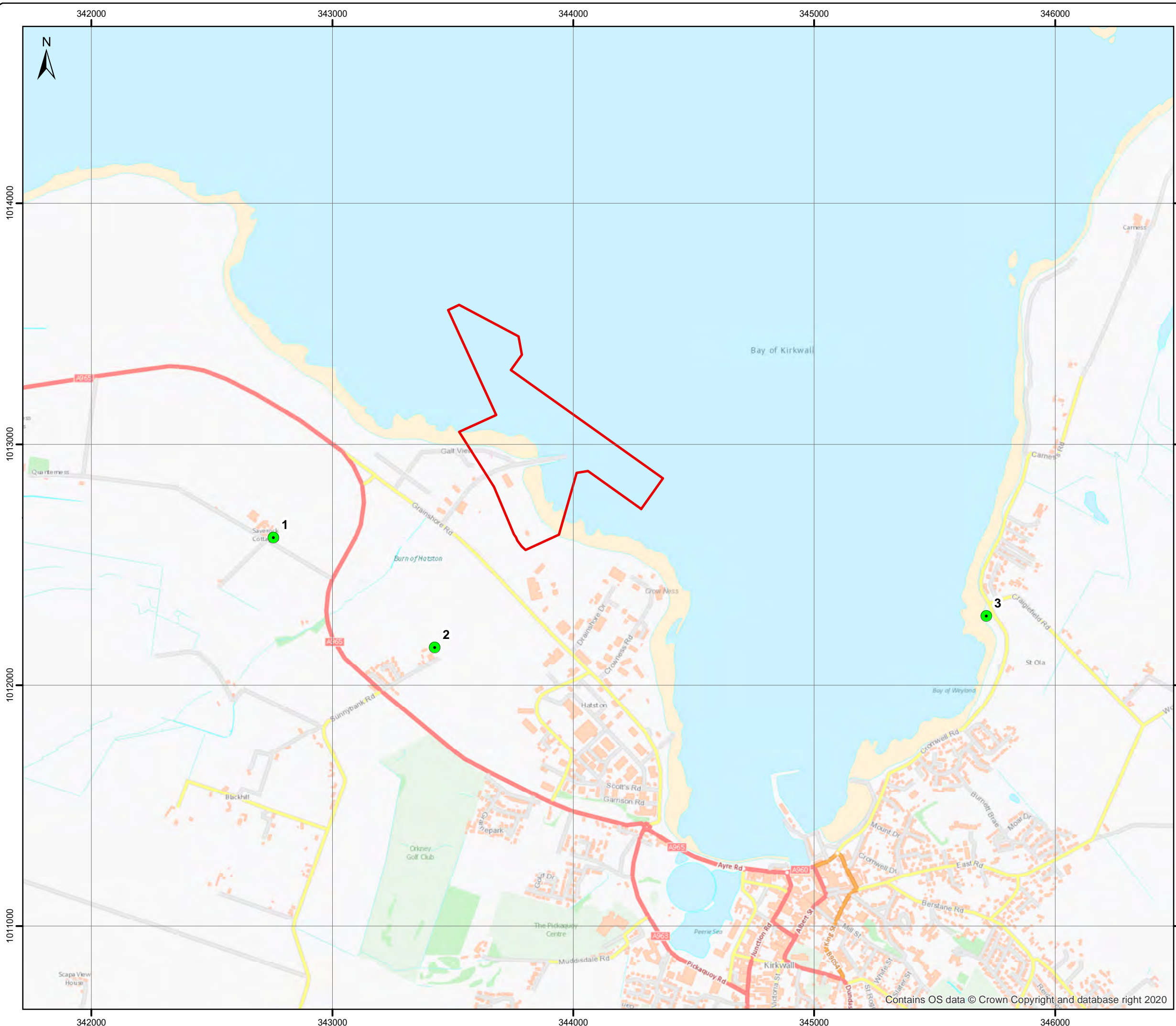
Distance from site: 1.5 km  
Bearing from site: 240°  
Viewpoint grid reference: E345450 N1013591  
Viewpoint ground height 0m

Date & time of photo: 24/01/2022 15:25



Project  
**ORKNEY LOGISTICS BASE (HATSTON)**

Drawing Title  
**Figure 7.26**  
Representative viewpoints



**Legend**

- Hatston Site Boundary
- Noise Monitoring Locations

Do not scale this map  
**Client**  
 Orkney Island Council Harbour Authority

**Project**  
 Hatston Pier

**Title**  
 Background Noise Monitoring Locations

**Status**  
 Final

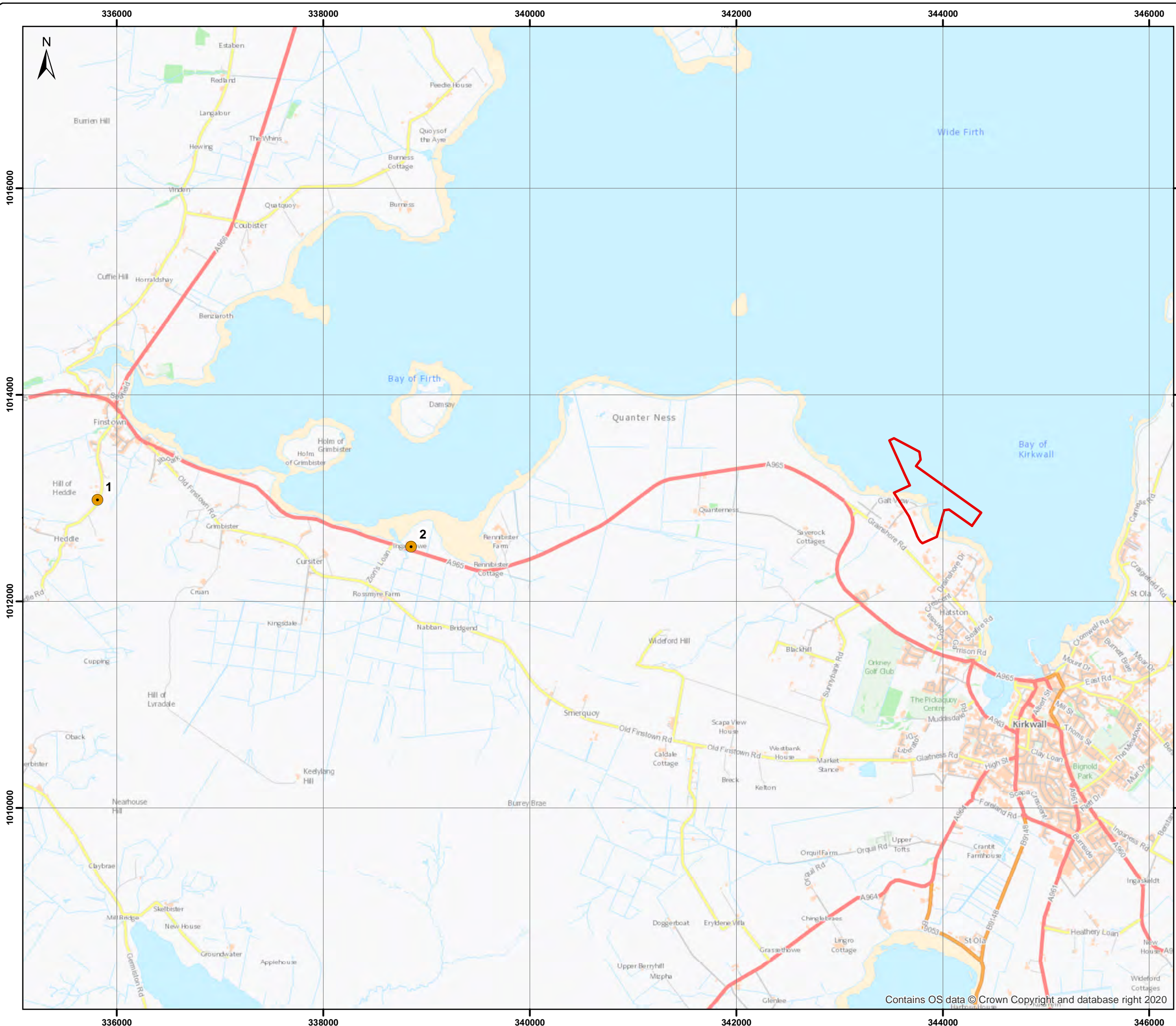
<b>Drawing No.</b> 674795-GIS081	<b>Revision</b> -	<b>Date</b> 21 Jan 2023
<b>Drawn</b> CC	<b>Checked</b> AH	<b>Approved</b> AH

**Scale**  
 1:15,000 @A3

Rev	Date	Amendment	Initials
-	-	-	-

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**Legend**

- Hatston Site Boundary
- Road Traffic Monitoring Location

Do not scale this map  
**Client**  
 Orkney Island Council Harbour Authority

**Project**  
 Hatston Pier

**Title**  
 Road Traffic Noise Monitoring Locations

**Status**  
 Final

<b>Drawing No.</b> 674795-GIS082	<b>Revision</b> -	<b>Date</b> 21 Jan 2023
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<b>Drawn</b> CC	<b>Checked</b> AH	<b>Approved</b> AH
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**Scale**  
 1:35,000 @A3

Rev	Date	Amendment	Initials
-	-	-	-

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