



gwerth mewn gwahaniaeth
delivering on distinction

Morlais Project Environmental Statement

Chapter 9: Benthic and Intertidal Ecology

Volume II

Applicant: Menter Môn Morlais Limited
Document Reference: PB5034-ES-009
Chapter 9: Benthic and Intertidal Ecology
Author: MarineSpace

MarineSpace
Making Sense of the Marine Environment™



Morlais Document No.:
MOR/RHDHV/DRW/0083

Status:
Final

Version No:
F3.0

Date:
July 2019

© 2019 Menter Môn

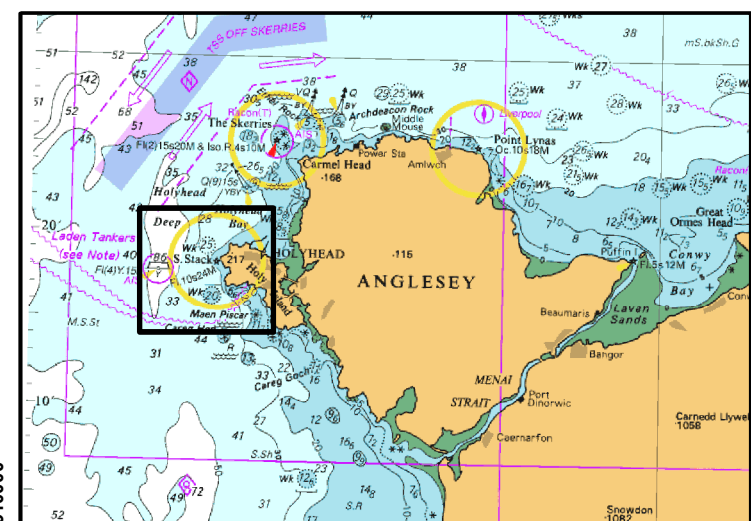
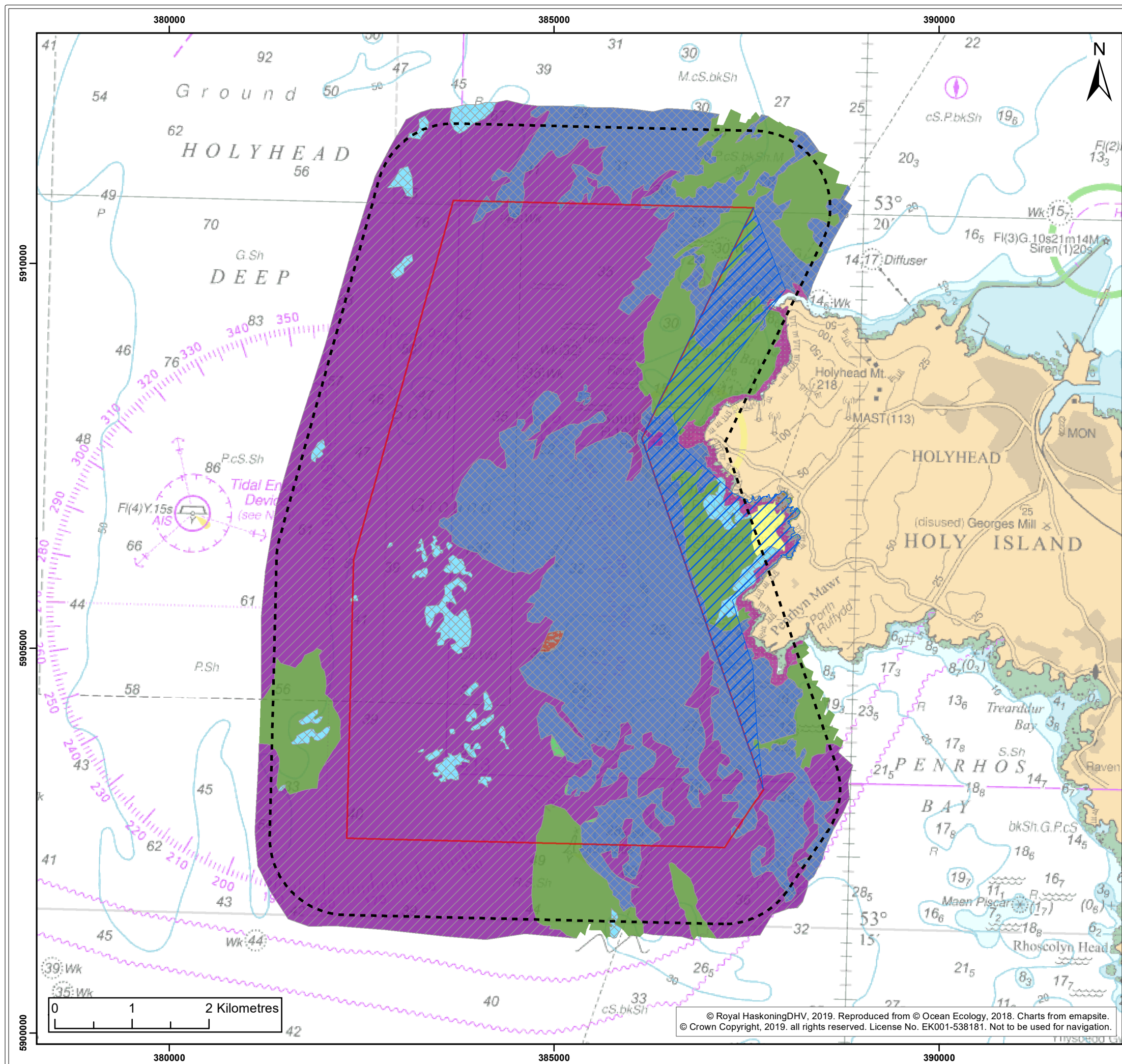
This document is issued and controlled by:

Morlais, Menter Môn. Registered Address: Llangefni Town Hall, Anglesey, Wales, LL77 7LR, UK

Unauthorised copies of this document are NOT to be made

Company registration No: 03160233 Requests for additional copies shall be made to Morlais Project

[Page left intentionally blank]



Legend:

Morlais Demonstration Zone	Export Cable Corridor	Morlais Demonstration Zone 1km Buffer
Reef - Bedrock	Reef - Bedrock / Stony	Reef - Bedrock / Stony / Biogenic
Reef - Stony / Biogenic		

Annex I Habitat

A1.1132	A3.1
A1.123	A3.1111
A1.125	A3.1112
A1.212	A3.2111
A1.213	A4.11 / A4.13
A1.2141	A4.13
A1.311	A4.13 / A4.22
A1.3141	A5.13 / A4.22
A1.411	A5.14
A1.412	A5.14 / A4.22
A1.413	A5.2
A1.444	A5.23
A1.4461	B3.111
A1.451	B3.1131
A2.111	B3.1132
A2.2	
A2.211	

EUNIS Habitat Type

A1.1	A1.1131
A1.111	
A1.112	

Client: MENTER MÔN Project: morlais ANGLESEY MARINE ENERGY

Title: EUNIS and Annex I Habitats across the Offshore Development Area

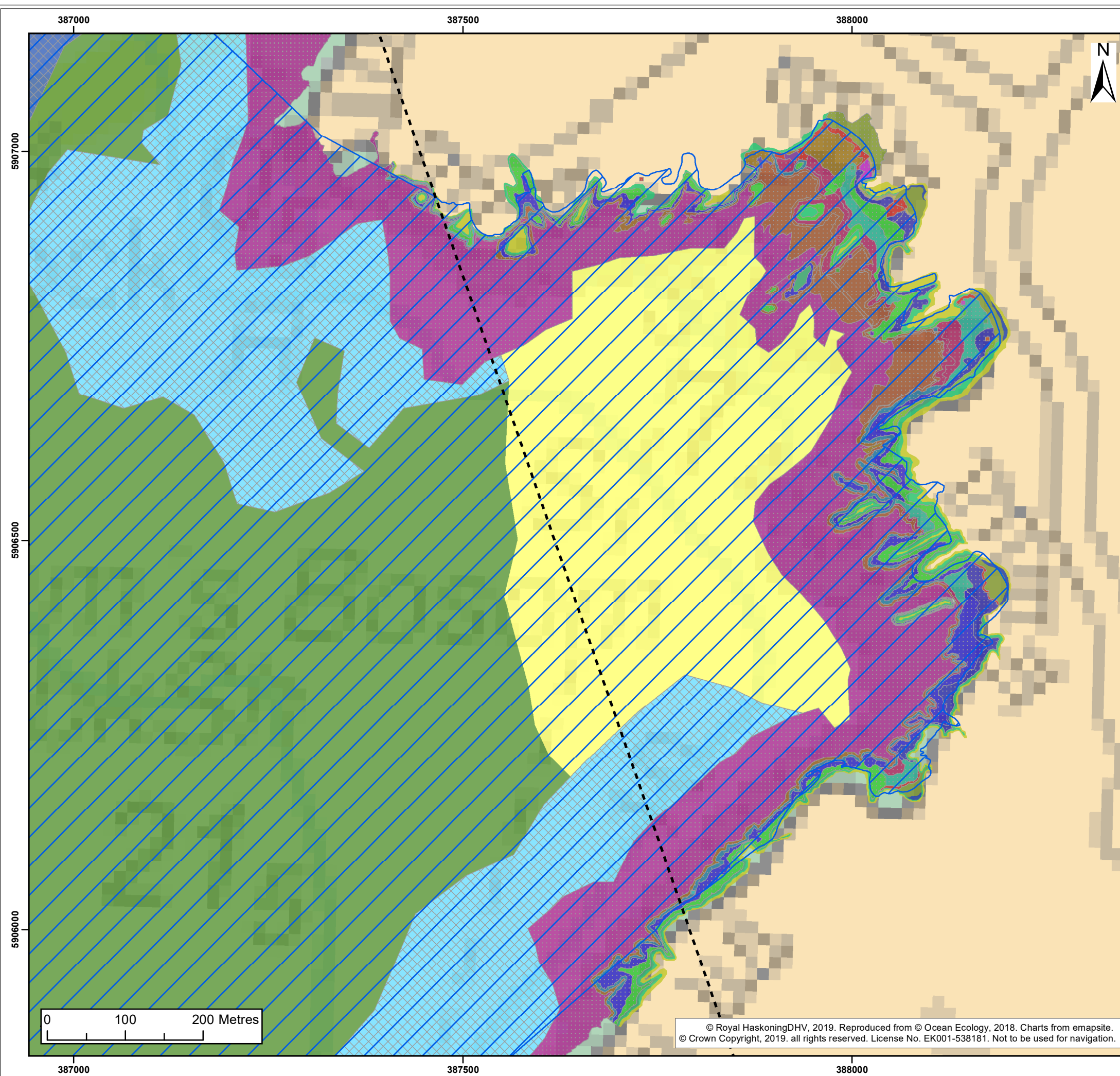
Figure: 9-1 Drawing No: PB5034-ES-009-004

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
02	02/07/2019	JT	CG	A3	1:50,000
01	07/05/2019	FC	CG	A3	1:50,000

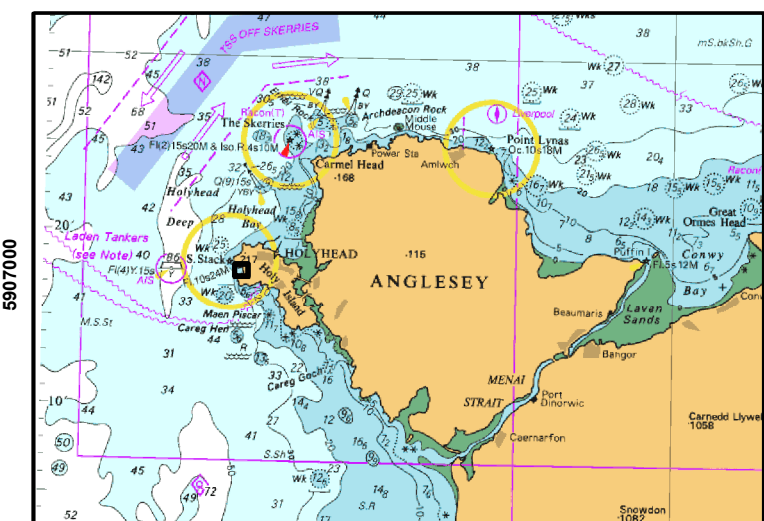
Co-ordinate system: WGS 1984 UTM Zone 30N

Royal HaskoningDHV
Enhancing Society Together

ROYAL HASKONINGDHV
INDUSTRY & BUILDINGS
2 ABBEY GARDENS
GREAT COLLEGE STREET
LONDON
SW1P 3NL
+44 (0)20 7222 2115
www.royalhaskoningdhv.com







© Royal HaskoningDHV, 2019. Reproduced from © Ocean Ecology, 2018. Charts from emapsite.
© Crown Copyright, 2019. all rights reserved. License No. EK001-538181. Not to be used for navigation.



Legend:

- Morlais Demonstration Zone 1km Buffer
- Export Cable Corridor
- Annex I Habitat**
 - Reef - Bedrock
 - Reef - Bedrock / Stony
- EUNIS Habitat Type**
 - A1.1
 - A1.111
 - A1.112
 - A1.1131
 - A1.1132
 - A1.123
 - A1.125
 - A1.212
 - A1.213
 - A1.2141
 - A1.311
 - A1.3141
 - A1.411
 - A1.412
 - A1.413
 - A1.444
 - A1.4461
 - A1.451
 - A2.111
 - A2.2
 - A2.211
 - A3.1
 - A3.1111
 - A3.1112
 - A3.2111
 - A4.11 / A4.13
 - A4.13
 - A5.14
 - A5.2
 - A5.23
 - B3.111
 - B3.1131
 - B3.1132

Client:   Project:  

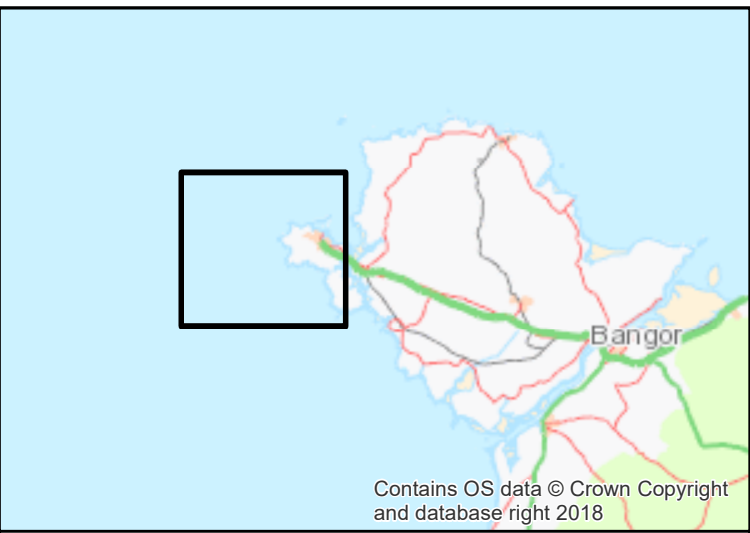
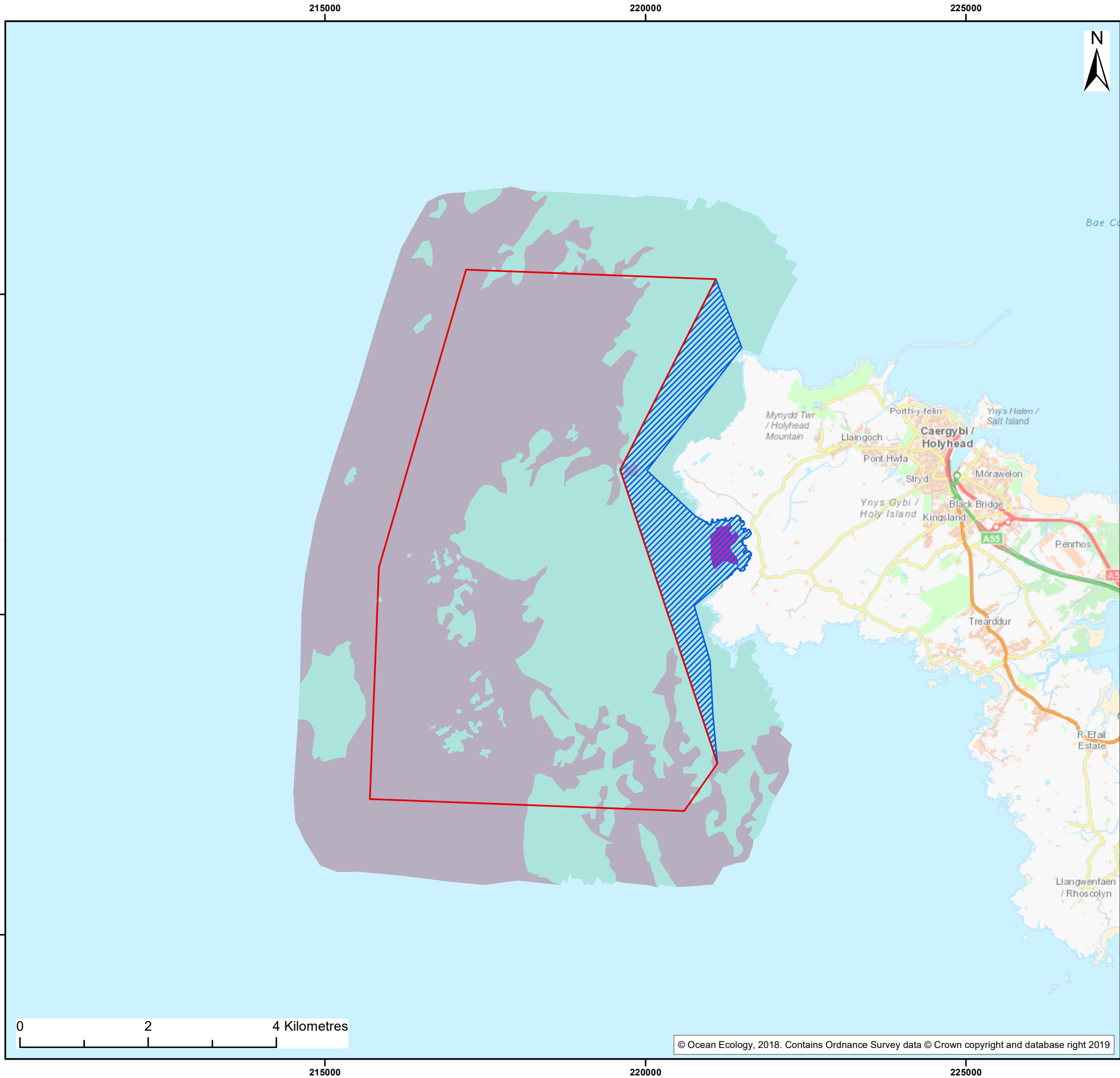
Title: EUNIS and Annex I Habitats within the Landfall I location at Abraham's Bosom

Figure: 9-2 Drawing No: PB5034-ES-009-005

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
02	02/07/2019	JT	CG	A3	1:5,000
01	07/05/2019	FC	CG	A3	1:5,000





Co-ordinate system: WGS 1984 UTM Zone 30N

 **ROYAL HASKONINGDHV**
INDUSTRY & BUILDINGS
2 ABBEY GARDENS
GREAT COLLEGE STREET
LONDON
SW1P 3NL
+44 (0)20 7222 2115
www.royalhaskoningdhv.com



Legend:

Morlais Demonstration Zone	Export cable corridor
Habitat Group 1: High energy littoral rock	Habitat Group 7: Barren littoral shingle
Habitat Group 2: Fucus spp. on exposed to moderately exposed upper eulittoral rock	Habitat Group 8: Littoral sand with Talitrids
Habitat Group 3: Pelvetia canaliculata on sheltered littoral fringe rock and Ascophyllum nodosum on full salinity mid eulittoral rock	Habitat Group 9: High energy infralittoral and circalittoral rock/coarse sediment with Annex I stony/bedrock reef
Habitat Group 4: Coralline crust, Fucoids and kelps in eulittoral rockpools	Habitat Group 10: Circalittoral Sabellaria reefs – Annex I biogenic reefs
Habitat Group 5: Upper to mid-shore cave walls and wave-surgured overhanging lower eulittoral bedrock and caves	Habitat Group 11: Sublittoral and infralittoral sands and muddy sands
Habitat Group 6: Ulva spp. on freshwater-influenced and/or unstable upper eulittoral rock	Habitat Group 12: Yellow and grey lichens on supralittoral rock

Client:   Project:  

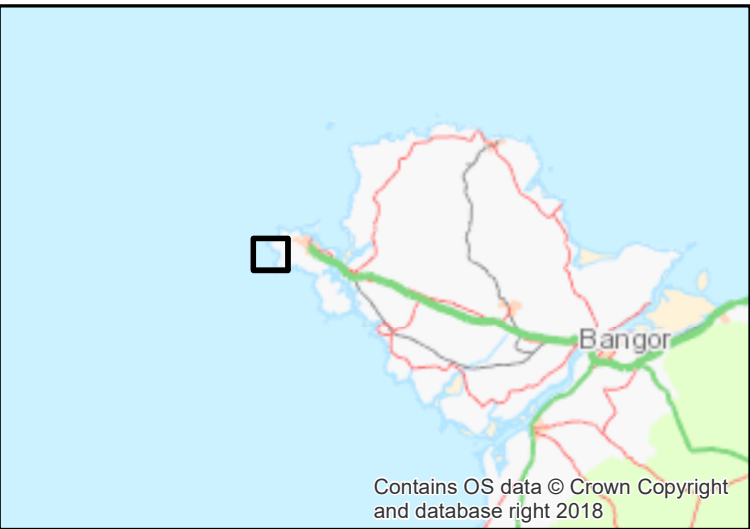
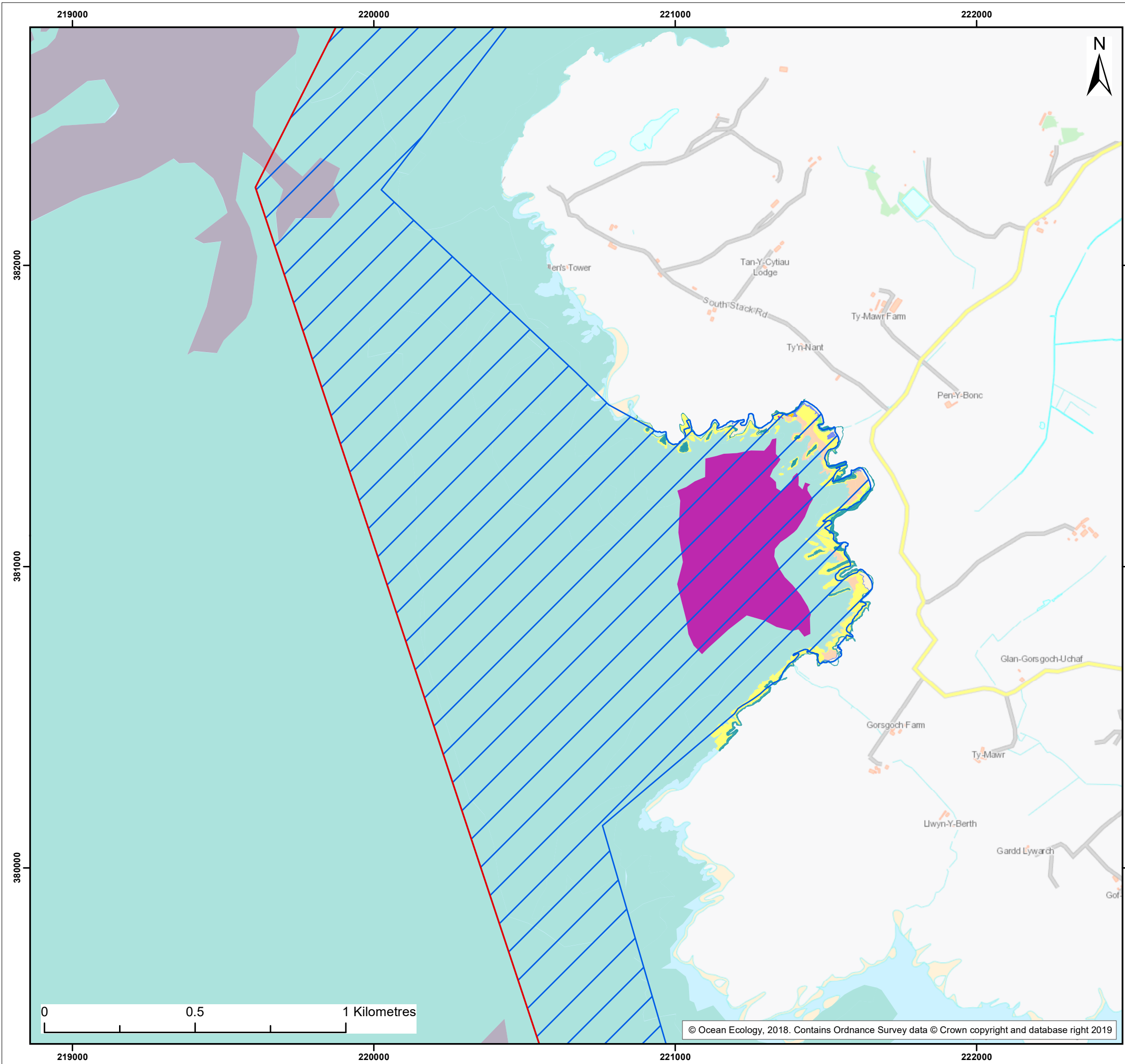
Title: Valued Ecological Receptor groups within the subtidal area – based on Ocean Ecology (2018)

Figure: 9-3 Drawing No: PB5034-ES-009-003

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
02	02/07/19	IW	SG	A3	1:60,000

Co-ordinate system: British National Grid

MarineSpace 
Making Sense of the Marine Environment™



Legend:

Morlais Demonstration Zone	Export cable corridor	Habitat Group 6: Ulva spp. on freshwater-influenced and/or unstable upper eulittoral rock
Habitat Group 1: High energy littoral rock	Habitat Group 2: Fucus spp. on exposed to moderately exposed upper eulittoral rock	Habitat Group 7: Barren littoral shingle
Habitat Group 3: Pelvetia canaliculata on sheltered littoral fringe rock and Ascophyllum nodosum on full salinity mid eulittoral rock	Habitat Group 4: Coralline crust, Fucoids and kelps in eulittoral rockpools	Habitat Group 8: Littoral sand with Talitrids
Habitat Group 5: Upper to mid-shore cave walls and wave-surfed overhanging lower eulittoral bedrock and caves	Habitat Group 11: Sublittoral and infralittoral sands and muddy sands	Habitat Group 9: High energy infralittoral and circalittoral rock/ coarse sediment with Annex I stony/bedrock reef
		Habitat Group 10: Circalittoral Sabellaria reefs – Annex I biogenic reefs
		Habitat Group 12: Yellow and grey lichens on supralittoral rock

Client: **Project:** **ANGLESEY MARINE ENERGY**

Title: Valued Ecological Receptor groups within the intertidal area – based on Ocean Ecology (2018)

Figure: 9-4 **Drawing No:** PB5034-ES-009-004

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
03	02/07/19	IW	SG	A3	1:12,500

Co-ordinate system: British National Grid

MarineSpace **Making Sense of the Marine Environment™**

