



Site Survey at Bounty

Environmental Habitat Report

Bounty Proposed Well Location

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Executive Summary

Introduction

On the instruction of ConocoPhillips Skandinavia AS, Fugro performed an environmental site survey at the Bounty survey area. The site was located in the Norwegian Continental Shelf (NCS) Block 6306/3 of the Norwegian Sea. Operations were conducted using the MV Fugro Meridian during the survey period 29 April 2020 to 4 May 2020.

Table S.1 presents the surface coordinates of the proposed Bounty proposed well location (PWL).

Table S.1: Proposed well location

Geodetic Parameters: ED50, UTM Zone 32N [m]				
Location	Easting	Northing	Latitude	Longitude
Bounty PWL	397 537.20	7 074 073.30	63° 46' 39.355" N	6° 55' 17.394" E
RWL NW	396 804.50	7 074 867.30	63° 47' 4.216" N	6° 54' 22.030" E
RW SW	396 633.10	7 073 611.20	63° 46' 23.482" N	6° 54' 12.530" E
Notes PWL = Proposed well location RWL = Relief well location PWL location confirmed in email dated 27.05.20				

Survey Strategy

The environmental survey was required to provide sufficient data to describe and map sensitive habitats and species that may occur at the Bounty PWL and nearby areas of interest identified from the geophysical survey data. The most relevant sensitive habitats for the current survey are 'cold-water corals', 'coral gardens' and 'deep-sea sponge aggregations' as well as other vulnerable species associated with them. If any such habitats were discovered, a sensitive habitat assessment was to be carried out according to Norwegian guidelines and standards.

Bathymetry

Depths across the survey area ranged from 202.9 m Mean Sea Level (MSL) to 227.1 m MSL within a depression at the middle part of the survey area.

Seabed Features

The seabed within the Bounty survey area was characterised by iceberg ploughmarks and numerous depressions. Higher reflectivity observed on side scan sonar (SSS) suggests coarser deposits, with contacts interpreted as boulders observed throughout the survey area. Areas of dense boulder accumulations were delineated as boulder fields.

Seabed Habitats

Seabed sediments across the survey area comprised gravelly, muddy sand/ sandy mud with varying proportions of coarser sediments (gravel, pebbles, cobbles and boulders). This corresponded to the level 3 European Nature Information System (EUNIS) habitats 'Deep-sea mud' (A6.2) and 'Deep-sea mixed substrate' (A5.45). The EUNIS biotope 'Deep-sea *Lophelia pertusa* reefs' (A6.611) was assigned

to one area within transect CP20300_TR04. *Lophelia pertusa* is currently known as *Desmophyllum pertusum* (World Register of Marine Species [WoRMS] Editorial Board, 2020).

Characterising fauna associated with coarse mixed sediments were sponges (encrusting Porifera including possible *Aplysilla sulfurea*, *Hymedesmia paupertas*, erect/massive/branching forms including Axinellidae and *Mycale lingua*) and corals (*Primnoa resedaeformis* and *Paragorgia arborea*).

Epifauna associated with soft sediments (muddy sand/sandy mud) was sparse with sponges (Porifera including mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), sea cucumbers (*Parastichopus tremulus*) and sea pens (*Funiculina quadrangularis*) recorded. Bioturbation (Faunal burrows, mounds and track) was observed in the oft sediment.

Diverse taxa were recorded in association with the *D. pertusum* reef and included sponges (encrusting Porifera including *Hymedesmia paupertas* and erect/massive forms including: Axinellidae, *Geodia* sp., *Mycale lingua*), gorgonian corals (*Paragorgia arborea*) and file clams (*Acesta excavata*).

Fish recorded in the survey area included flatfish (Pleuronectiformes), saithe (*Pollachius virens*), redfish (Sebastidae), tusk (*Brosme brosme*) and monkfish (*Lophius piscatorius*).

Taxa observed in the Bounty survey area are typical of the region (Moen and Svensen, 2014; WoRMS Editorial Board, 2020).

Potentially Sensitive Habitats or Species

A small area of *D. pertusum* Cold water coral reef, classified as 'poor', was observed along transect CP20300_TR04, located 164 m south-west of the Bounty PWL.

A total of 13 areas of hard-bottom coral gardens classified as 'single *Paragorgia* on boulder' or 'poor' (< 5 specimens per 25 m²), were recorded across the Bounty survey area. Two areas, located along transect CP20300_TR04, were within 500 m of the Bounty PWL.

Soft-bottom sponges were recorded in low densities across the survey area, ranging from 'none' to 'scattered' (1 % to 5 % cover). No areas were classified as 'high' therefore the Bounty survey area did not fulfil the criteria for the OSPAR (2010) listed habitat 'Deep-sea sponge aggregations'.

Hard-bottom sponges were recorded in densities ranging from 'none' to 'common' (5 % to 10 % cover). The majority of the Bounty survey area was classified as 'none' or 'scattered' (1 % to 5 % cover). Areas of 'common' (5 % to 10 % cover) were recorded in transects CP20300_TR01, CP20300_TR04, CP20300_TR06 and CP20300_TR07. No hard bottom sponge densities of 'high' (> 10 % cover) were recorded across the survey area.

The sea pen *Funiculina quadrangularis* was recorded on two occasions, in transects CP20300_TR05 and CP20300_TR06. Bioturbation, including burrows and mounds, were observed throughout the survey area.

Several species recorded in the survey area are currently listed on the Norwegian Red List (Norwegian Biodiversity Information Centre [NBIC], 2015). The stony coral *D. pertusum* and the gorgonian coral *P. arborea* are currently listed as 'near threatened'. Within the family Sebastidae (redfish) there are three possible species occurring in Norwegian waters. Of these, *Sebastes norvegicus* is listed as 'endangered'. Other taxa observed in the Bounty survey area are assessed as 'least concern', on the Norwegian Red List (NBIC, 2015).

No other sensitive habitats or species were identified from either the geophysical or photographic data.

Document Arrangement

Volume I	Field Operations Report incl. Processing Reports
Volume II	Geophysical Interpretation Report
Volume III	Environmental Habitat Report
Volume IV	Geotechnical Report

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Abbreviations

BSL	Below sea level
CBD	Convention on Biological Diversity
CITES	Convention on International Trade in Endangered Species
CM	Central meridian
CR	Critically endangered
DD	Data deficient
DNV	Det Norske Veritas
ED50	European Datum 1950
EMODnet	European Marine Observation and Data Network
EN	Endangered
EOL	End of line
EUNIS	European Nature Information System
IUCN	International Union for the Conservation of Nature
LC	Least concern
LED	Light emitting diode
MBES	Multibeam echosounder
MSL	Mean Sea Level
MV	Motor vessel
NBIC	Norwegian Biodiversity Information Centre
NCS	Norwegian Continental Shelf
NEA	Norwegian Environment Agency
NME	Norwegian Ministry of Climate and Environment
NT	Near threatened
OSPAR	Oslo and Paris Commission
PSA	Petroleum Safety Authority
PWL	Proposed well location
ROV	Remotely operated vehicle
SOL	Start of line
SSS	Side scan sonar
UNEP	United Nations Environmental Program
UTC	Coordinated Universal Time
UTM	Universal Transverse Mercator
VU	Vulnerable
WGS84	World Geodetic System 1984
WoRMS	World Register of Marine Species
?	Identification not certain

1. Introduction

On the instruction of ConocoPhillips Skandinavia AS, Fugro performed an environmental site survey at the Bounty survey area, located in the Norwegian Continental Shelf (NCS) Block 6306/3 of the Norwegian Sea. Operations were conducted using the MV Fugro Meridian during the survey period 29 April 2020 to 4 May 2020.

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Notes PWL = Proposed well location RWL = Relief well location PWL location confirmed in email dated 27.05.20				

This report details the results of the environmental habitat report.

Appendix A outlines the guidelines for use of this report.

1.1 Scope of Work

1.1.1 Environmental Survey

The objective of the environmental survey was to map and characterise sensitive habitats and species that may occur at the Bounty PWL and nearby areas of interest identified from the geophysical survey data. Emphasis was placed on locating and mapping the presence of cold-water corals, sponges and other vulnerable species and habitats on the seabed around the PWL. If any such habitats were discovered, a sensitive habitat assessment was to be carried out according to Norwegian guidelines and standards.

1.2 Environmental Legislation

Petroleum activities on the NCS are subject to acts, regulations and management plans with detailed environmental requirements. The Nature Diversity Act, which came into force on 1 July 2009 (Backer, 2009), is a milestone in Norwegian environmental legislation and regulates the management of species and habitat protection. The Nature Diversity Act replaces the 1970 Nature Conservation Act and is based on the 1992 Biodiversity Convention and serves as the legal basis for national implementation of other international instruments (e.g. the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), the World Heritage Convention and the Ramsar and Berne Conventions).

The national red list is a list of species and habitats which are threatened with extinction, considered critically endangered, or are naturally rare. The red list is a prerequisite for a knowledge-based management of biodiversity and is one of the criteria used for the selection of species for protection.

The Norwegian government also participates in several initiatives to preserve particularly important habitats and species. Under the Oslo and Paris (OSPAR) Convention, Norway has an international responsibility to safeguard a representative selection of fjord and coastal areas of types that are not found anywhere else in the world, as well as habitats and species listed as threatened or declining by OSPAR within Regions I and II. Norway also ratified the Convention on Biological Diversity (CBD) in 1993 and is participating in the CBDs 'Aichi-target' of at least 10 % of biologically important coastal and marine areas to be conserved by the year 2020.

The specific requirements pertaining to environmental monitoring are presented in Chapters X and XI of the Activities Regulations (Petroleum Safety Authority [PSA], 2020). These requirements deal with the cooperation on and planning of environmental monitoring and baseline surveys, and surveys of benthic habitats and the water column. These chapters are complemented by Section 48 of the Framework Regulations, which requires the operator to monitor and record sufficient data from the external environment to ensure that all pollution generated is detected, mapped and assessed. In 2010, the detailed requirements for environmental monitoring were removed from the Activities Regulations and set out in the dedicated 'Guidelines for environmental monitoring of the petroleum activities on the Norwegian continental shelf', which has recently been updated (Norwegian Environmental Agency [NEA], 2015). In 2019, Det Norske Veritas (DNV) issued a handbook to supplement these guidelines by providing information on key species and habitats, such as corals and sponges, and methods for assessing the habitats, impact assessment, mitigation and documentation/monitoring of effects of drilling, anchoring and pipeline construction (DNV, 2019).

In addition, the industry has useful guidelines and best practice documents which have been developed to aid in a coherent industry practice with regards to environmental monitoring on the NCS. Several of these have been initiated by the Norwegian Oil and Gas Association. Table 1.2 presents the relevant legislations and documents.

Section 3.2 details how these requirements and guidelines have been incorporated into the habitat assessment.

Table 1.2: Relevant regulations

Acts
The Nature Diversity Act – Act of 19 June 2009 no.100 (Backer, 2009)
The Pollution Control Act – Act of 13 March 1981 No.6 (Regjeringen,2003)
Regulations
The Activities Regulation (Aktivitetsforskriften) (PSA, 2020)
The Management Regulation (Styringsforskriften) (PSA, 2019a)
The Framework Regulation (Rammeforskriften) (PSA, 2019b)
Pollution Regulation (Forurensningsforskriften)
Management Plans
Integrated Management of the Marine Environment of the Norwegian Sea (NME, 2009)
Guidelines
Environmental Monitoring of Petroleum Activities on the Norwegian Continental Shelf (NEA, 2015)
Handbook for Species and Habitats of Environmental Concern. Mapping, Risk Assessment, Mitigation and Monitoring. – In Relation to Oil and Gas Activities (DNV, 2019)
Red Lists
The 2015 Norwegian Red List for Species (NBIC, 2015)
The 2018 Norwegian Red List for Ecosystems and Habitat Types (Arts Database, 2018)
The International Union for the Conservation of Nature (IUCN) Red List of Threatened Species (IUCN, 2020)
OSPAR List of Threatened and/or Declining Species and Habitats (OSPAR, 2008)

1.3 Sensitive Habitats and Species

Table 1.3 provides a list of sensitive species and habitats that may occur within the current survey area, along with their relevant legislation.

Table 1.3: Sensitive species/habitats potentially present

Species/Habitat	Legislation	Description	Designation/Status
<i>Desmophyllum pertusum</i> (formerly <i>Lophelia pertusa</i>)	Activities Regulations	Coral reefs	Particularly vulnerable environmental resource
	OSPAR; List of Threatened and/or Declining Species and Habitats	<i>Lophelia pertusa</i> Reefs; Coral Gardens	Threatened and/or declining
	Norwegian Red List for Ecosystems and Habitats	Coral reef	Vulnerable
	Norwegian Red List for Species	<i>Lophelia pertusa</i>	Near threatened
<i>Paragorgia arborea</i> (Coral garden)	OSPAR; List of Threatened and/or Declining Species and Habitats	Coral garden	Threatened and/or declining
	Norwegian Red List for Ecosystems and Habitats	Coral garden	Near threatened
	Norwegian Red List for Species	<i>Paragorgia arborea</i>	Near threatened

Species/Habitat	Legislation	Description	Designation/Status
<i>Madrepora oculata</i>	Norwegian Red List for Species	<i>Madrepora oculata</i>	Data deficient
	Norwegian Red List for Ecosystems and Habitats	Coral reef	Vulnerable
	Activities Regulations	Coral reefs	Particularly vulnerable environmental resource
Deep-sea sponges	OSPAR; List of Threatened and/or Declining Species and Habitats	Deep-sea sponge aggregations	Threatened and/or declining habitat
Sea pen and burrowing megafauna	OSPAR; List of Threatened and/or Declining Species and Habitats	Sea pens and burrowing megafauna communities	No designation in OSPAR Region I – Arctic waters

The current survey is located within NCS Block 6306/3 of the Norwegian Sea. The most relevant sensitive habitats for the current survey are considered to be 'cold-water corals', 'coral gardens' and 'deep-sea sponge aggregations'.

1.3.1 Cold-water Corals

The cold-water coral *Desmophyllum pertusum*, formerly known as *Lophelia pertusa*, is known to be relatively abundant in the Norwegian Sea. *D. pertusum* is the most important reef-building coral in the region, and provides valuable habitat for many other species, some of which have also been assigned a conservation status. The extent of *D. pertusum* reefs vary, with examples off Norway several km long and more than 20 m high (OSPAR, 2009).

Desmophyllum pertusum reefs occur on hard substrata which can be coral rubble from an old colony or glacial deposits; this suggests that *D. pertusum* reefs could be associated with iceberg ploughmark zones. The biological diversity associated to the reef was estimated to be three times as high as the surrounding soft sediment, suggesting that these cold-water coral reefs may be biodiversity hotspots. Characteristic species associated with the reef include other hard corals, such as *Madrepora oculata* and *Solenosmilia variabilis*, the redfish *Sebastes viviparous* and the squat lobster *Munida sarsi* (OSPAR, 2009).

Of all Norwegian marine habitat types, coral reefs are considered the most vulnerable. Between 30 % and 50 % of all coral reefs in Norwegian waters have been damaged to some extent, mostly by demersal fishing and this is considered of concern, given the slow growing nature of this cold-water coral species (OSPAR, 2009). Previous studies have determined linear growth rates of between 6 mm and 27 mm per year for *D. pertusum* (Lartaud et al., 2013) in a depth range of 200 m to 350 m (Roberts et al., 2009).

The cold-water coral *D. pertusum* is designated a 'Particularly vulnerable environmental resource' under the Activities Regulations, as threatened and/or in decline by the OSPAR Commission and are currently classified as 'Near threatened' on the Norwegian Red List (OSPAR, 2008; NBIC, 2015; PSA, 2019a).

1.3.2 Coral Gardens

Coral gardens comprise aggregations of colonies or individuals of one or more coral species and can occur on a wide range of soft and hard bottom strata. The biological diversity of coral garden communities is typically high and often contains several species of coral belonging to different taxonomic groups (OSPAR, 2010a). When relatively dense colonies are observed over an area greater than 25 m², the area was considered a 'coral garden' under the definition provided by OSPAR (2010a).

Coral gardens are listed as a 'Particularly vulnerable environmental resource' under the Activities Regulations, are designated as a 'Threatened and/or declining habitat' by the OSPAR Commission and are currently classified as 'Near threatened' in the Norwegian Red List for Ecosystems and Habitats (OSPAR, 2008; NBIC, 2015; PSA, 2019a).

Of importance are coral gardens containing the gorgonian corals *Paragorgia arborea* and *Primnoa resedaeformis*. The gorgonian coral, *P. arborea* is currently listed as 'Near threatened' on the Norwegian Red List.

1.3.3 Deep-sea Sponges

Sponges (Porifera) are the most primitive group among multicelled organisms, and form one of the most ancient animal groups on the planet. Sponges are generally classified into four groups; Calcarea (kalksvamper), Hexactinellida (glasssvamper), Demospongiae and Homoscleromorpha (horn- og kiselsvamper). More than 90 % of identified sponge species belong to the group Demospongiae (Moen & Svensen, 2014).

There are approximately 300 species of sponge in Norwegian waters, but there are reasonable grounds to believe that many species have yet to be registered and scientifically described. The knowledge base for half of the species is regarded as inadequate, and their vulnerability has not been assessed by the Norwegian biodiversity information centre. A total of 28 sponge species are on the Norwegian Red List, based on the criteria 'Data deficient', and one fresh water species is classified as 'Near threatened' (Oug & Rapp, 2015). United Nations Environmental Program (UNEP) states that deepwater sponge grounds meet the criteria of being vulnerable, based on the fact that they are limited to discrete areas, they support high biodiversity of other species, they are fragile and unlikely to recover from perturbations, and some are slow-growing, long-lived and form structural complex habitats (United Nations Environmental Program [UNEP], 2010).

The habitat 'Deep-sea sponge aggregations' is designated threatened and/or declining by OSPAR, (OSPAR, 2010b). The OSPAR Recommendation 2010/10 defines this habitat as "aggregations of deep-sea sponges extending over at least 25 m², that are principally composed of sponges from two classes: Hexactinellida and Demospongiae" (OSPAR, 2010b). However, the OSPAR background document for deep-sea sponge aggregations and the OSPAR description of habitats document does not include area coverage in their definition of the habitat, but rather states that "sponges in the class Hexactinellida have been reported at

densities of 4 to 5 per m², whilst 'massive' growth forms of sponges from the class Demospongiae have been reported at densities of 0.5 to 1 per m²" (OSPAR, 2010b).

The Norwegian guideline for quantification of sponge communities regards densities of 0.5 to 1 per m² of sponges in the class Demospongiae to fall under the OSPAR habitat 'Deep-sea sponge aggregations'. The guideline further suggests that 0.5 to 1 sponge per m² is equal to approximately 10 % coverage of sponge (depending on the sizes of sponges) and thus that 10 % coverage of Demospongiae can be expected to qualify as the threatened OSPAR habitat 'Deep-sea sponge aggregations' (DNV, 2019).

1.3.4 Sea Pens and Burrowing Megafauna

The habitat 'Sea pen and burrowing megafauna communities' is included on the OSPAR list (OSPAR, 2010c). This habitat typically consists of plains of muddy sand/sandy mud at water depths between 300 m to 330 m, which are bioturbated by burrowing megafauna with burrows and mounds typically forming a prominent feature of the sediment surface, with conspicuous populations of sea pens.

On the Norwegian continental shelf this biotope is typically inhabited by the sea pens *Funiculina quadrangularis*, *Virgularia mirabilis*, *Kophobelemnion stelliferum* and *Pennatula phosphorea*. The Norway lobster (*Nephrops norvegicus*), squat lobster (*Munida sarsi*) and the sea cucumber (*Parastichopus tremulus*) are also common (Mareano, 2019).

The Norwegian Guideline M408 on environmental monitoring of petroleum activities recommends that important gatherings of sea pens are mapped, as well as the spatial distribution of the sea pen, *Umbellula* sp. (NEA, 2015). Neither the NEA (2015) guidelines nor the DNV (2019) handbook explicitly consider the assessment of burrowing megafauna.

1.4 Coordinate Reference System

All coordinates detailed in this report are referenced to European Datum 1950 (ED50) Universal Transverse Mercator (UTM) projection Zone 32N central meridian (CM) 9° East. Table 1.4 provides the detailed geodetic and projection parameters.

Table 1.4: Project geodetic and projection parameters

Global Positioning System Geodetic Parameters*				
Datum:		World Geodetic System 1984 (WGS84)		
Spheroid:		World Geodetic System 1984		
Semi major axis:		a = 6 378 137.000 m		
Reciprocal flattening:		1/f = 298.257 223 563		
Local Geodetic Datum Parameters				
Datum:		European Datum 1950 (ED50) South of 62°N (Norway)		
Spheroid:		International 1924		
Semi major axis:		a = 6 378 388.000 m		
Reciprocal flattening:		1/f = 297.000 000 000		
Datum Transformation Parameters from WGS84 to ED50†				
Shift dX:	+116.641	m	Rotation rX:	+ 0.893 arc sec Scale Factor: + 3.520 ppm
Shift dY:	+56.931	m	Rotation rY:	+ 0.921 arc sec
Shift dZ:	+110.559	m	Rotation rZ:	- 0.917 arc sec
Project Projection Parameters				
Grid Projection:		Universal Transverse Mercator (UTM)		
UTM Zone:		32N		
Central Meridian:		9° 00' 00" East		
Latitude of Origin:		00° 00' 00" North		
False Easting:		500 000 m		
False Northing:		0 m		
Scale factor on Central Meridian:		0.9996		
Units:		Metre		
Notes				
* = Fugro Starfix navigation software always uses WGS84 geodetic parameters as a primary datum for any geodetic calculations				
† = This is the right-hand coordinate frame rotation used by the Fugro Starfix navigation software				

2. Survey Strategy

2.1 Geophysical Data

The geophysical survey lines acquired included single and multibeam echosounders and dual frequency (120 kHz/410 kHz) side scan sonar (SSS).

2.2 Habitat Assessment

The environmental survey comprised one pre-determined 'bow-tie' formation centred on the Bounty PWL. The bow-tie formation comprised two 250 m transects, and one 175 m transect. After review of the SSS data, six additional transects were selected within the Bounty survey area to ground-truth areas of interest around the Bounty PWL, including areas of high reflectivity and mottled reflectivity features.

Table 2.1 provides the coordinates, data to be acquired and rationale for each proposed location. Figure 2.1 provides a spatial display of the proposed locations overlaid on a SSS mosaic.

Table 2.1: Proposed camera transects

Geodetic Parameters: ED50, UTM Zone 32N [m]					
Transect		Easting	Northing	Rationale	Data Acquisition
CP20300_TR01	SOL	397 409.0	7 074 071.0	Pre-defined in scope of work. Bow-tie around Bounty PWL. West to east	Video and stills
	EOL	397 659.0	7 074 071.0		
CP20300_TR02	SOL	397 659.0	7 074 071.0	Pre-defined in scope of work Bow-tie around Bounty PWL. South-east to north-west	Video and stills
	EOL	397 534.0	7 074 196.0		
CP20300_TR03	SOL	397 534.0	7 074 196.0	Pre-defined in scope of work. Bow-tie around Bounty PWL. North to south	Video and stills
	EOL	397 534.0	7 073 946.0		
CP20300_TR04	SOL	397 383.9	7 073 776.1	Zigzag transect over area of mottled reflectivity along a ploughmark; approximately 125 m south-west of Bounty PWL	Video and stills
	EOL	397 441.1	7 073 992.4		
CP20300_TR05	SOL	397 162.5	7 073 213.2	Zigzag transect over area of mottled reflectivity along a ploughmark; approximately 800 m south-west of Bounty PWL	Video and stills
	EOL	397 227.1	7 073 360.4		
CP20300_TR06	SOL	397 217.4	7 074 294.2	Zigzag transect over area of mottled reflectivity along a ploughmark; approximately 340 m north-west of Bounty PWL	Video and stills
	EOL	397 387.6	7 074 363.0		
CP20300_TR07	SOL	398 206.8	7 075 455.5	Zigzag transect over area of mottled reflectivity along a ploughmark; approximately 1550 m north of Bounty PWL	Video and stills
	EOL	398 206.8	7 075 455.5		
CP20300_TR08	SOL	398 324.6	7 072 099.5	Area representative of typical reflectivity across the survey site (low and mottled) across a ploughmark approximately 2000 m south-east of Bounty PWL	Video and stills
	EOL	398 320.6	7 072 249.0		
CP20300_TR09	SOL	397 786.2	7 074 710.8	Zigzag transect over area of high and mottled reflectivity along a ploughmark; approximately 700m north-east of Bounty PWL	Video and stills
	EOL	397 842.2	7 074 904.3		
Notes SOL = Start of line EOL = End of line PWL = Proposed well location					

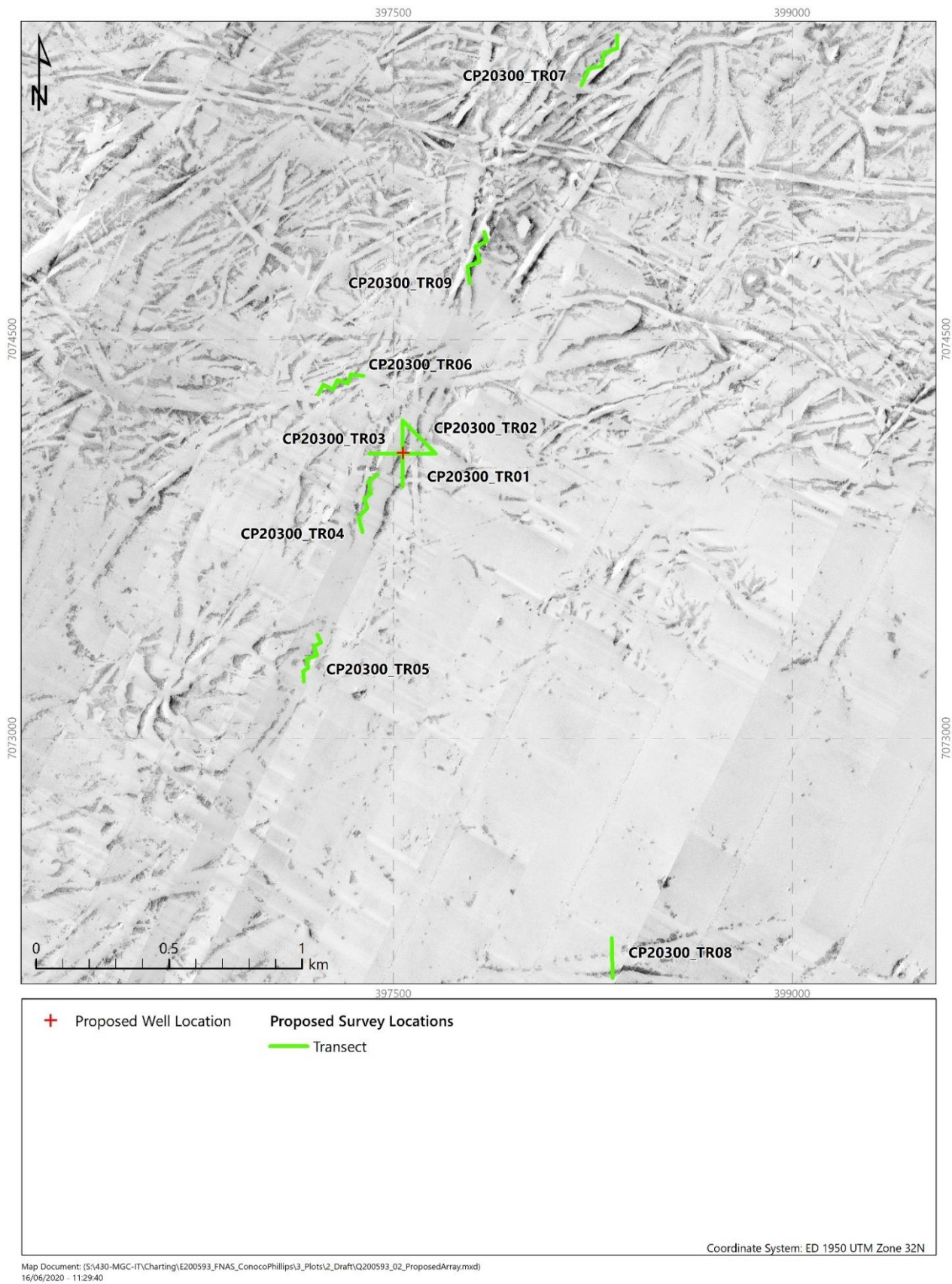


Figure 2.1: Proposed environmental survey locations overlain on the side scan sonar mosaic

3. Methods

3.1 Survey Methods

3.1.1 Bathymetry

Bathymetric data were acquired using a multibeam echosounder (MBES). Water depths were quoted relative to Mean Sea Level (MSL) and were accurate in the order of ± 1 m. Fugro's Starfix system was used as the primary navigation system.

3.1.2 Seabed Features

Seabed features and obstructions have been interpreted from MBES and dual frequency SSS data. The horizontal accuracy of the SSS data is approximately 1.0 m; obstructions smaller than this may not have been detected. The SSS mosaic dataset is resampled to a resolution of 0.5 m.

The positional accuracy of features interpreted from the SSS data depends on a combination of the vessel positioning, acoustic positioning of the towfish relative to the vessel, and interpretation of position relative to the towfish. For this dataset, the overall positional accuracy is estimated as ± 5 m. Where seabed features show a bathymetric expression, the positions were defined using a combination of SSS and MBES datasets.

3.1.3 Seabed Photography

Seabed imagery was acquired using a Seaeye Tiger ROV with one high resolution Subsea 1-Cam Alpha+ video camera (also used for acquisition of still images), one standard definition camera (with overlay), and two LED lamps. Lasers were present on each camera to provide a scale, with green lasers spaced 6.5 cm apart and red lasers spaced 6 cm apart.

The standard NS EN 16260:2012 "Visual seabed surveys using remotely operated and towed observation gear for collection of environmental data" was used as a basis for visual mapping.

3.2 Interpretation Methods

3.2.1 Seabed Habitats/Biotopes Classification

To assess the habitats present within the survey area, detailed analysis of video and still photographic data was undertaken. Video photography data were reviewed in conjunction with the still photographs, noting the locations of any observed changes in sediment type and/or associated faunal community.

Taxa were recorded to the lowest possible taxonomic level. It should be noted that many species cannot be identified from video footage alone and, as such, higher taxonomic levels were used.

Descriptions of the substrate composition, corresponding to sediment changes, were undertaken for each video segment. These descriptions were based on a reclassification of the Folk (1954) sediment classes and were developed to support the European Nature Information System (EUNIS) habitat identification (Long, 2006) in conjunction with the Wentworth (1922) classification, the latter differentiating between pebbles, cobbles and boulders based on their dimensions. The Folk sediment classification was reclassified into four categories, namely 'coarse sediment', 'mixed sediment', 'mud and sandy mud' and 'sand and muddy sand' (Long, 2006). These categories are defined by a combination of proportions of 'mud', 'sand' and 'gravel' and, as the main differences of the modified Folk classification are related to the differences from sands to muddy sand, further sub-categories, namely 'mud', 'sandy mud' and 'muddy sand' have been created (Kaskela et al., 2019) and they have been applied to describe the sediment from the video analysis. For example, a description of 'muddy sand' defines sediments that have sand as the principle component (50 % to 90 %) and a 10 % to 50 % of mud, with < 5 % gravel (Kaskela et al., 2019). The European Marine Observation and Data Network (EMODnet) Geology Consortium further revised these categories to include the additional one named 'Rock and Boulders' (Kaskela et al., 2019), which include the categories 'boulders' and 'cobbles' as per Wentworth (1922) classification. Presence of shells and evident anthropogenic features were also noted during video analysis.

Table 3.1 presents a summary of the sediment particle sizes and corresponding classifications.

Table 3.1: Sediment particle size and classification terms

Particle Size [mm]	Wentworth (1922)	Folk (1954)	Folk, 5 classes (Kaskela et al., 2019)							
> 256	Boulder	Gravel	Rock & Boulders							
64 to 256	Cobble									
32 to < 64	Pebbles		Coarse sediment (Gravel ≥ 80 % or gravel ≥ 5 % and sand ≥ 90 %)	Mixed sediment (Mud ≥ 10-95 % , sand < 90 %, gravel ≥ 5%)	Mud to sandy mud* (Mud 10-95 %, sand < 90 %, gravel < 5 %)	Sand (Mud < 10 %, sand ≥ 90 %, gravel < 5%)				
16 to < 32										
8 to < 16										
4 to < 8										
2 to < 4	Granules									
1 to < 2	Sand									
0.5 to < 1										Very coarse sand
0.25 to < 0.5										Coarse sand
0.125 to < 0.25										Medium sand
62.5 µm to 0.125										Fine sand
> 4 µm to 62.5 µm	Silt	Mud								
> 1 µm to 4 µm	Clay									
Notes										
*Mud to sandy mud includes										
Mud (Mud ≥ 90 %, Sand <10 %, Gravel < 5%)										
Sandy mud (Mud 50 % to 90 %, Sand 10 % to 50 %, Gravel < 5%)										
Muddy sand (Mud 10 % to 50 %, Sand < 50 % to 90 %, Gravel < 5%) (Kaskela et al., 2019)										

Habitats within the survey area have been classified in accordance with the EUNIS habitat classification. Table 3.2 summarises the EUNIS hierarchy, with an example of the coding system EUNIS (2019a). The EUNIS classification system is designed to incorporate small-scale temporal variations (e.g. seasonal) into the biotope/habitat categories. However, biological communities and marine environments can be highly dynamic and temporally variable, therefore the biotopes and habitats identified by the current assessment are representative of the survey area at the time of sampling only.

EUNIS classifications were coded for each habitat type observed from video footage. Although, theoretically, a biotope can be assigned to any sized area of seabed, for the purposes of this assessment the commonly accepted minimum habitat size of 25 m² (Parry, 2019) was adopted.

Table 3.2: EUNIS biotope classification hierarchy example

Level	Example Classification Name	Example Classification Code
1. Environment	Marine habitats	A
2. Broad habitat types	Sublittoral sediments	A5
3. Main habitats	Sublittoral sand	A5.2
4. Biotope complexes	Circalittoral muddy sand	A5.26
5 & 6. Biotopes and sub-biotopes	<i>Amphiura brachiata</i> with <i>Astropecten irregularis</i> and other echinoderms in circalittoral muddy sand	A5.262

It should be noted that the EUNIS classification system is not specific to Norwegian conditions. The identified species within the survey area may therefore be different from example species listed for specific biotopes in the EUNIS system.

3.2.2 Sensitive Habitats and Species

Sensitive habitats and species of potential relevance to the survey area have been outlined in Section 1.3. The following methods for assessment were utilised.

3.2.2.1 Cold-water Corals

Video footage was reviewed with the start and end location of each *D. pertusum* structure recorded. The area (m²) of the *D. pertusum* structure was then calculated from the side scan sonar and video footage to give an overview of the size of the structure. The percentage cover of living *D. pertusum* and dead *D. pertusum* was calculated from the video footage. These values were then used to define the criteria for coral condition (Table 3.3).

Table 3.3: Single *Desmophyllum* colony classification

<i>Desmophyllum</i>		Density of living polyps on colony front				
		< 5 %	5 – 20 %	20 -40 %	40 – 60%	> 60 %
Total area of living <i>Desmophyllum</i> polyps on colony front	< 2.5 m ² Length and height: < 1.6 m or radius < 0.9 m	Dead	Poor	Poor	Fair	Good
	2.5 – 10 m ² Length and height: 1.6 – 3.2 m or radius 0.9 – 1.8 m	Dead	Poor	Fair	Good	Excellent
	10 – 25 m ² Length and height: 3.2 – 5 m or radius 1.8 -2.8 m	Poor	Fair	Good	Good	Excellent
	> 25 m ² Length and height: 5 m or radius > 2.8 m	Fair	Fair	Good	Excellent	Excellent

3.2.2.2 Coral Gardens

The number and location of gorgonian corals was recorded along each camera transect. If colonies were observed over an area greater than 25 m², the area was considered a 'coral garden' under the definition provided by OSPAR (2010a).

Following identification of areas of Coral Garden, the 'condition' was assessed according to the guidelines set out by DNV (2019). The categories of 'single', 'poor', 'fair', 'good' and 'excellent' were then applied depending on the average density of the colonies found in the area. Table 3.4 details the different conditions and densities for coral gardens.

Table 3.4: Coral garden assessment criteria

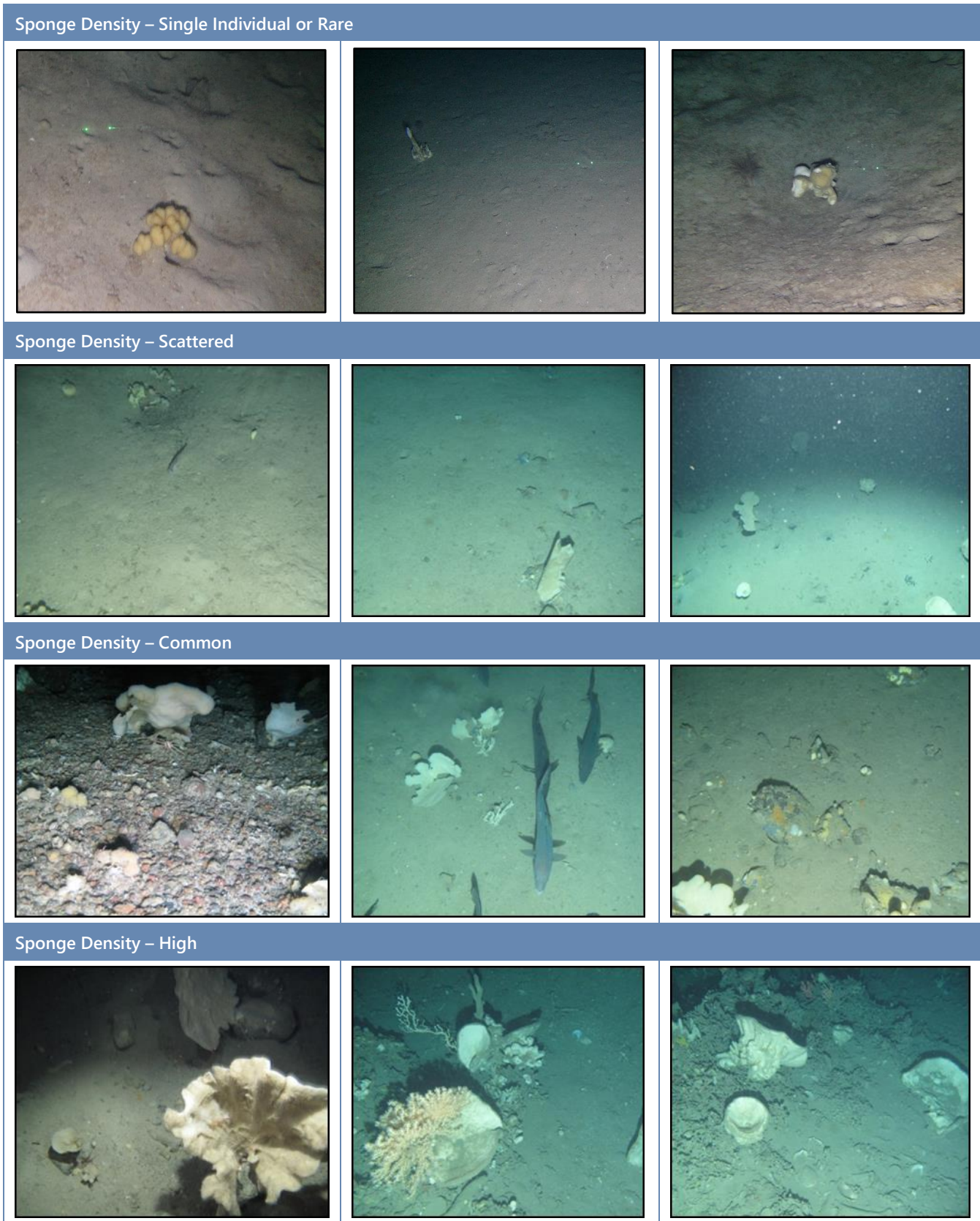
Condition	Coral colonies [per 25 m ²]
<i>Paragorgia</i> , single on boulder	1
Poor	< 5
Fair	5 – 10
Good	10 – 15
Excellent	> 15

3.2.2.1 Deep-sea Sponge Aggregations

If encountered, sponge aggregations were assessed following the criteria outlined by the NEA guidelines (NEA, 2015) and DNV handbook (DNV, 2019). The method derived from the assessment criteria described by DNV (2019) and NEA (2015) aims to define the percentage cover of sponges on the seabed. These are then classified according to four categories; single individual or rare (< 1 % cover), scattered (1 % to 5 % cover), common (5 % to 10 % cover) and high (> 10 % cover). Soft-bottom sponges and hard-bottom sponges are considered separately in the assessment. Table 3.5 and Figure 3.1 present further details of the categories.

Table 3.5: Sponge density assessment criteria

Sponge Habitat Category	Percentage Cover [%]	Description
Single individual	< 1	Single individual sponge
Rare	< 1	A very low density of individuals
Scattered	> 1 – 5	Density of individual sponges is still very low with only a few individuals being seen on seabed footage
Common	> 5 – 10	Higher densities of sponges with a high number of individuals being recorded from the photographic data. Often several different species are present
High	> 10	Dense areas of sponges which dominate the habitat



Notes

The images above are for illustrative purposes only and were not acquired during the current survey

Figure 3.1: Example photographs illustrating sponge cover classifications

3.2.2.2 Sea Pens and Burrowing Megafauna

Abundance of sea pens was considered when reviewing photographic data. The semi quantitative distribution scale recommended by DNV (2019) was used to estimate the abundance. Table 3.6 presents further details of the categories.

Table 3.6: Sea pen assessment criteria

Sea Pen Communities Category	Number of Specimens [per 25 m ²]
Poor	< 5
Fair	5 – 10
Good	10 – 15
Excellent	> 15

OSPAR do not specify burrow density criteria for defining the habitat 'Sea pens and burrowing megafauna'. However, the OSPAR definition of habitat is "plains of fine mud, which are heavily bioturbated by burrowing megafauna, burrows and mounds may form a prominent feature of the sediment surface" (OSPAR, 2010c).

3.2.2.3 Red Species List

The Norwegian Red List includes species assessed against criteria which reflect the risk of the species dying out if conditions remain unchanged. Species considered vulnerable and classed as 'Red-Listed' are those listed in the critically endangered (CR), endangered (EN) and vulnerable (VU), near threatened (NT) and data deficient (DD) categories. Within the 'Red-Listed' categories, species assessed as CR, EN and VU qualify as threatened species. Species assigned the least concern (LC) category are not classified as Red-List species (Henriksen & Hilmo, 2015).

The species observed within the Bounty survey area were compared to the Norwegian Red List (NBIC, 2015) to determine the conservation status of the taxa observed.

4. Results

4.1 Field Operations

Photographic stills and video footage were successfully acquired at the nine proposed camera transects, including the three bow-tie transects at the Bounty PWL and six additional transects selected from geophysical data interpretation.

Table 4.1 details the acquired photographic data acquired at each station and transect. Appendix B provides detailed survey logs.

Table 4.1: Completed camera transects

Geodetic Parameters: ED50, UTM Zone 32N [m]						
Transect		Easting	Northing	Length* [m]	Depth [m BSL]	Data Acquisition
CP20300_TR01	SOL	397 395.7	7 074 069.6	265	214	28 min 45 sec 55 stills
	EOL	397 660.4	7 074 067.6			
CP20300_TR02	SOL	397 661.8	7 074 063.9	186	214	21 min 25 sec 44 stills
	EOL	397 533.8	7 074 199.3			
CP20300_TR03	SOL	397 534.5	7 074 200.3	255	213	26 min 31 sec 56 stills
	EOL	397 528.3	7 073 945.7			
CP20300_TR04	SOL	397 378.3	7 073 771.0	230	215	24 min 40 sec 72 stills
	EOL	397 440.6	7 073 992.7			
CP20300_TR05	SOL	397 156.3	7 073 208.7	192	213	22 min 19 sec 55 stills
	EOL	397 213.1	7 073 392.0			
CP20300_TR06	SOL	397 214.4	7 074 294.2	188	212	17 min 31 sec 52 stills
	EOL	397 389.0	7 074 363.7			
CP20300_TR07	SOL	398 204.1	7 075 451.5	241	208	25 min 11 sec 71 stills
	EOL	398 345.1	7 075 647.1			
CP20300_TR08	SOL	398 326.3	7 072 092.7	158	215	16 min 52 sec 47 stills
	EOL	398 318.5	7 072 250.3			
CP20300_TR09	SOL	397 785.0	7 074 706.7	208	212	21 min 38 sec 58 stills
	EOL	397 842.9	7 074 906.1			
Notes *= Transect length is based on a straight line from SOL to EOL and does not account for zigzag formation BSL = Below sea level SOL = Start of line EOL = End of line						

4.2 Bathymetry and Seabed Features

The seabed within the survey area was the shallowest at the north-eastern and south-western part of the survey area, deepening towards the south-east and north-west. The shallowest seabed was 203 m MSL, and the deepest was within a depression at the middle part of the survey area (227 m MSL). The water depth at Bounty PWL was 214 m MSL. The seabed was irregular in shape and was characterised by numerous iceberg ploughmarks, predominantly oriented in a north-east to south-west direction, measuring between 10 m to 160 m in width and 1 m to 10 m in depth. The south-eastern part of the survey area was less affected by these ploughmarks. Numerous depressions were also present on the seabed throughout the survey area.

The majority of the survey area displays medium to low acoustic reflectivity on the SSS data, which was interpreted to comprise extremely low to medium strength clay. Higher reflectivity was observed at the flanks of iceberg ploughmarks, which may indicate coarser deposits up to boulder size. Numerous contacts, interpreted as boulders, were observed on the SSS data throughout the survey area. There were also areas of dense boulder accumulations, where the boulders were represented with delineated boulder fields.

Figure 4.1 displays the survey area bathymetry overlain with completed transects, Figure 4.2 displays completed transects overlain SSS in relation to seabed features.

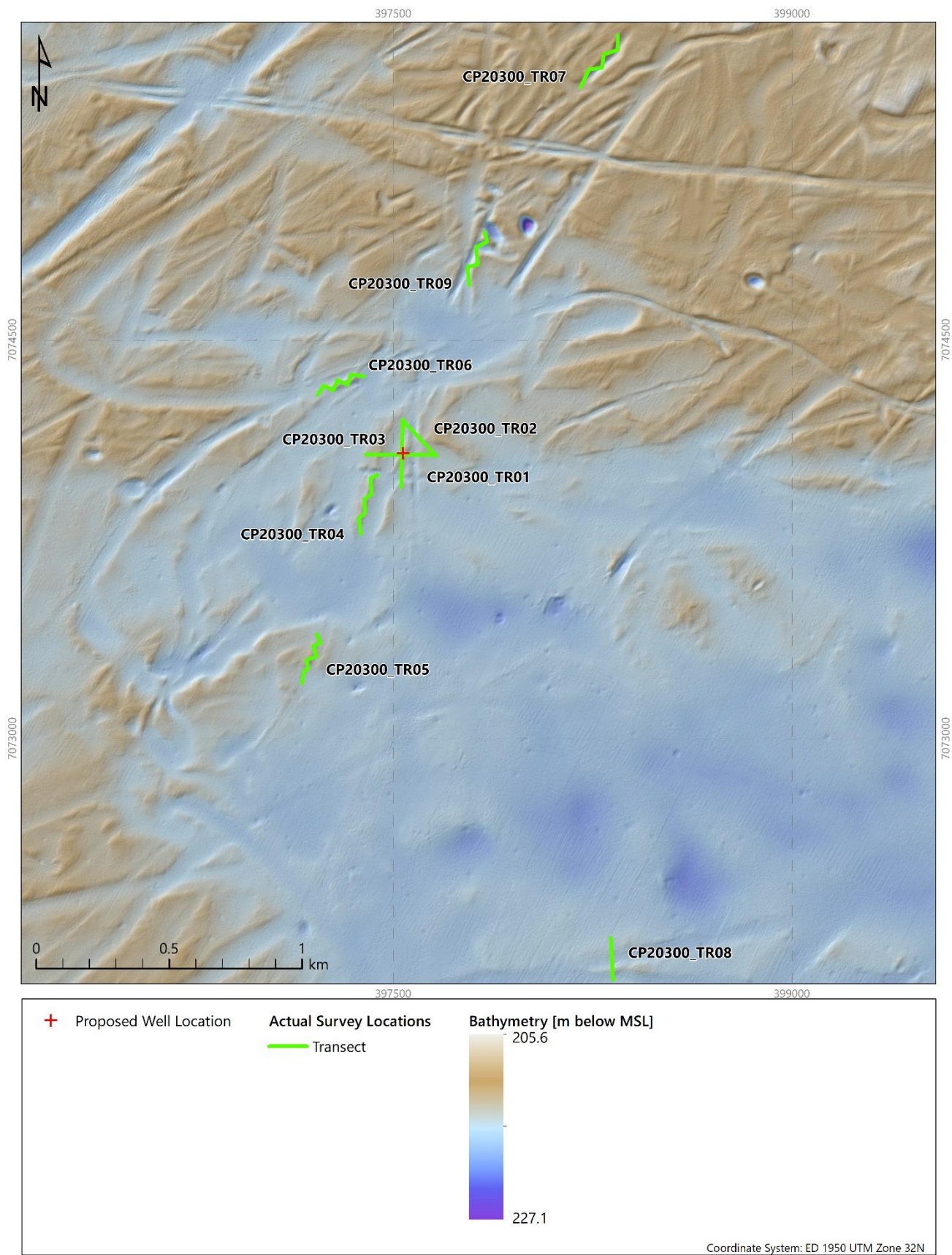


Figure 4.1: Survey area bathymetry and completed environmental sampling locations

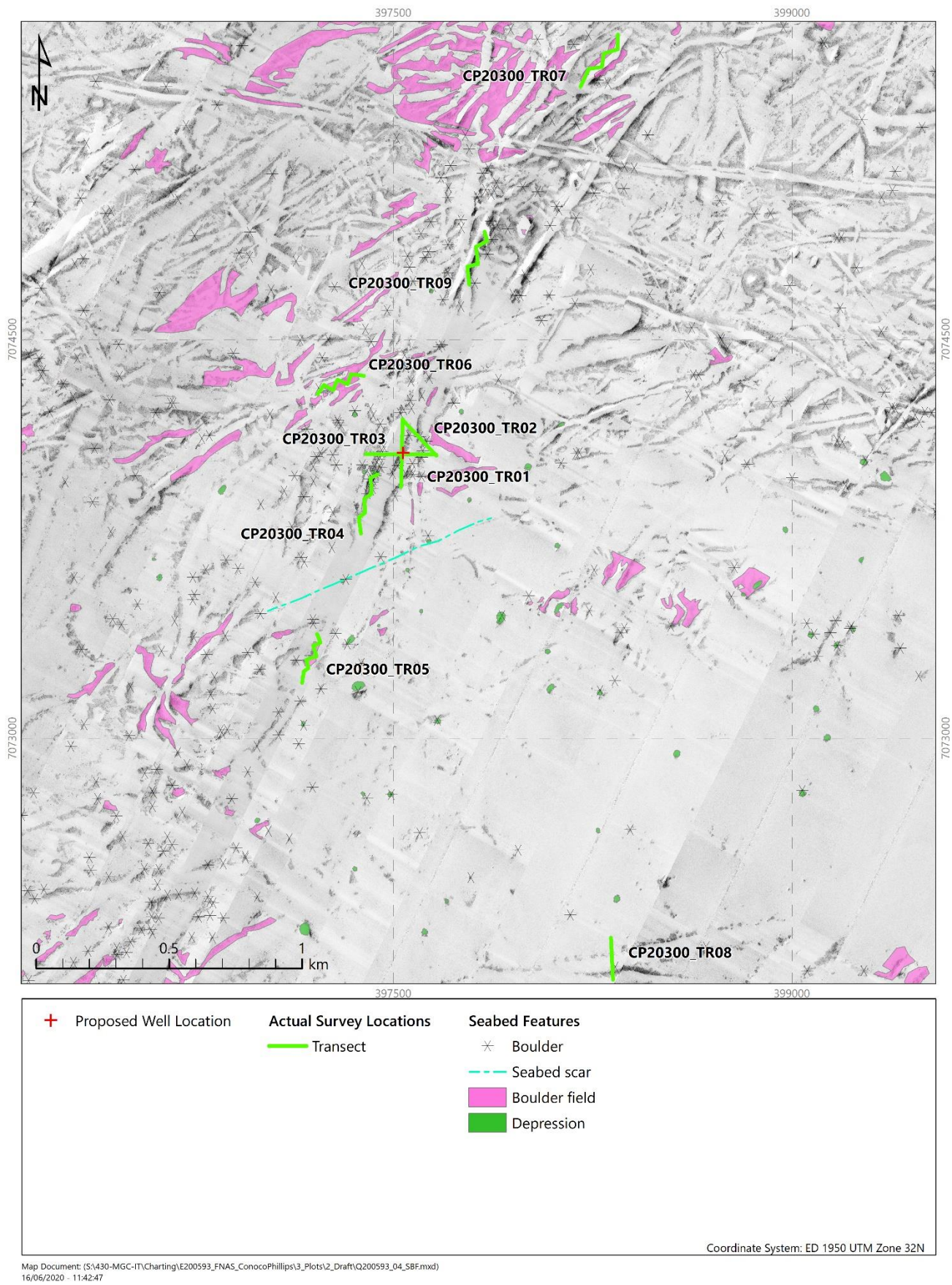


Figure 4.2: Survey area side scan sonar and completed environmental sampling locations in relation to seabed features

4.3 Seabed Habitats and Fauna

The seabed habitats have been classified using the photographic data. Habitats were classified to the lowest practicable level in accordance with EUNIS classification.

Seabed sediments across the survey area comprised gravelly, muddy sand/sandy mud with varying proportions of coarser sediments (gravel, pebbles, cobbles and boulders). This corresponded to the level 3 EUNIS habitats 'Deep-sea mud' (A6.2) and 'Deep-sea mixed substrate' (A5.45).

The cold-water coral *Desmophyllum pertusum* was observed forming a reef habitat in transect CP20300_TR04. The EUNIS biotope 'Deep-sea *Lophelia pertusa* reefs' (A6.611) was assigned to this area.

Table 4.2 presents the classification hierarchy for the habitats observed within the survey area. Figures 4.3 and 4.4 present SSS overlain with seabed features and example photographs of assigned EUNIS classifications along CP20300_TR01 to CP20300_TR03 and CP20300_TR05.

Table 4.2: Habitat classifications

EUNIS (2012) Habitat Classification				
Environment Level 1	Broad Habitat Level 2	Habitat Level 3	Biotope Complex Level 4	Biotope Level 5
A Marine	A6 Deep-sea bed	A6.2 Deep-sea mixed substrate	–	–
		A6.5 Deep-sea mud	–	–
		A6.6 Deep-sea bioherms	A6.61 Communities of deep-sea corals	A6.611 Deep-sea <i>Lophelia pertusa</i> * reefs
Notes EUNIS = European Nature Information System *- currently known as <i>Desmophyllum pertusum</i> (WoRMS Editorial Board, 2020)				

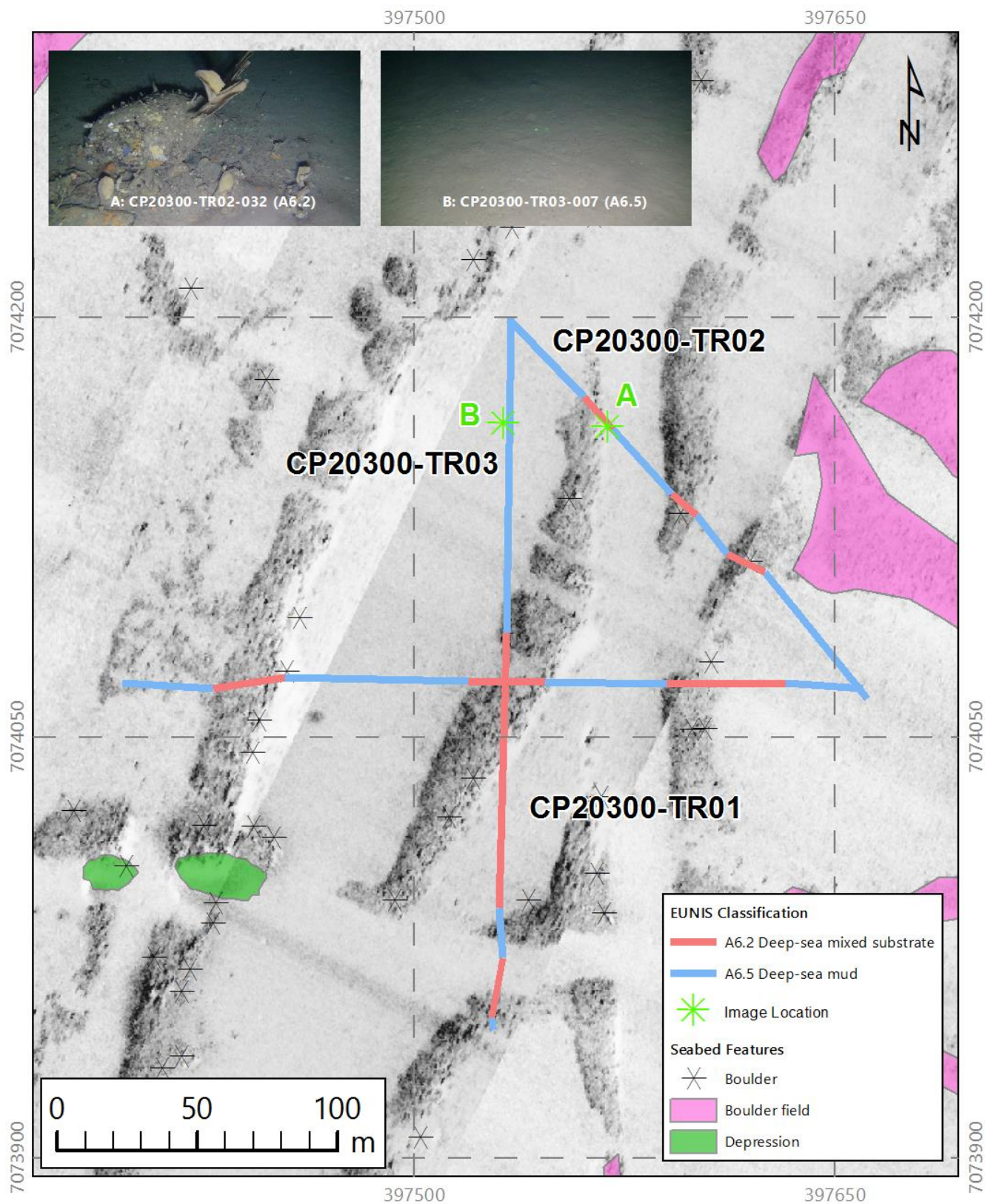


Figure 4.3: Side scan sonar and seabed features and EUNIS classifications along transects CP20300_TR01 to CP20300_TR03

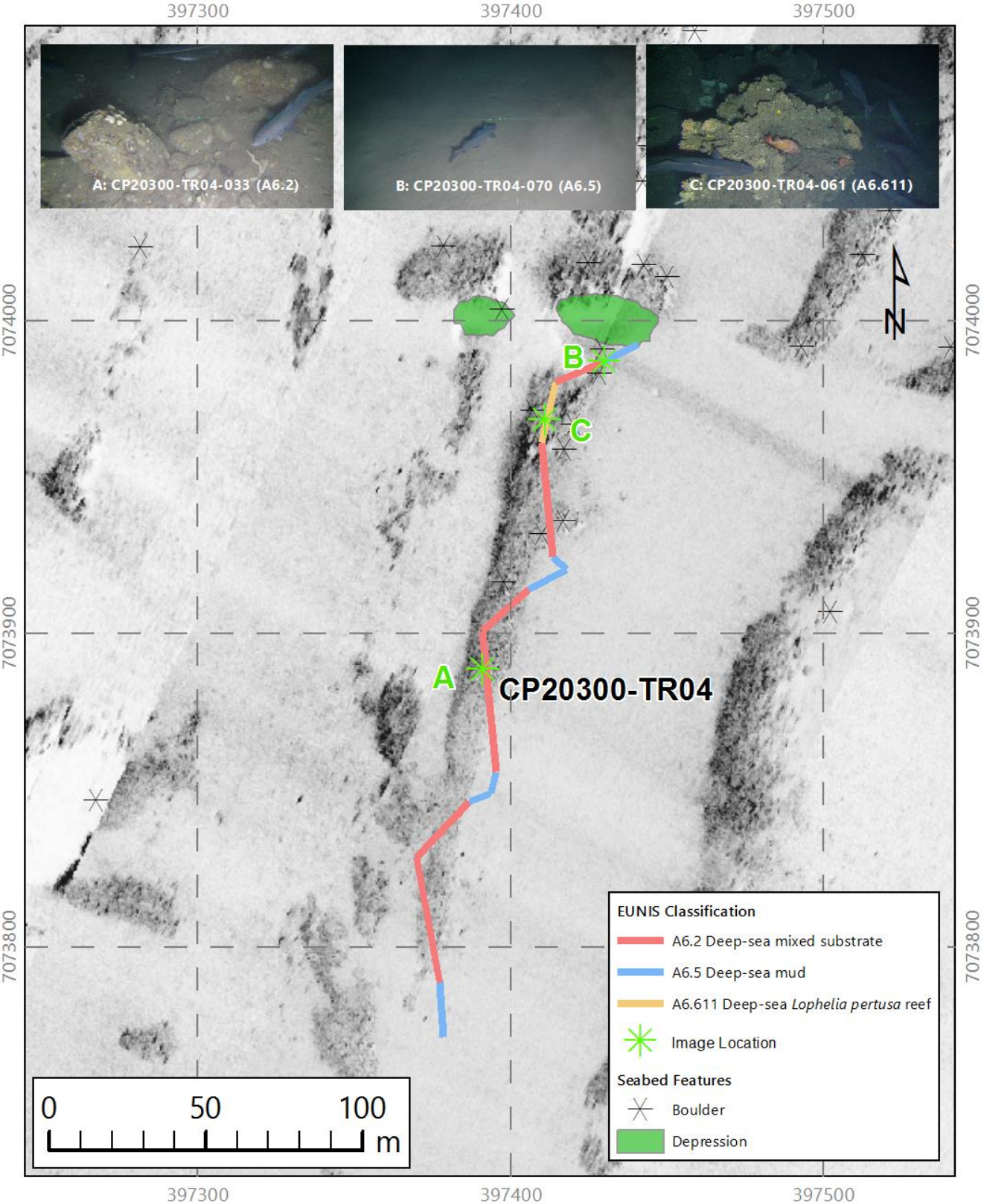


Figure 4.4: Side scan sonar and seabed features with EUNIS classifications and representative photographs along transect CP20300_TR04

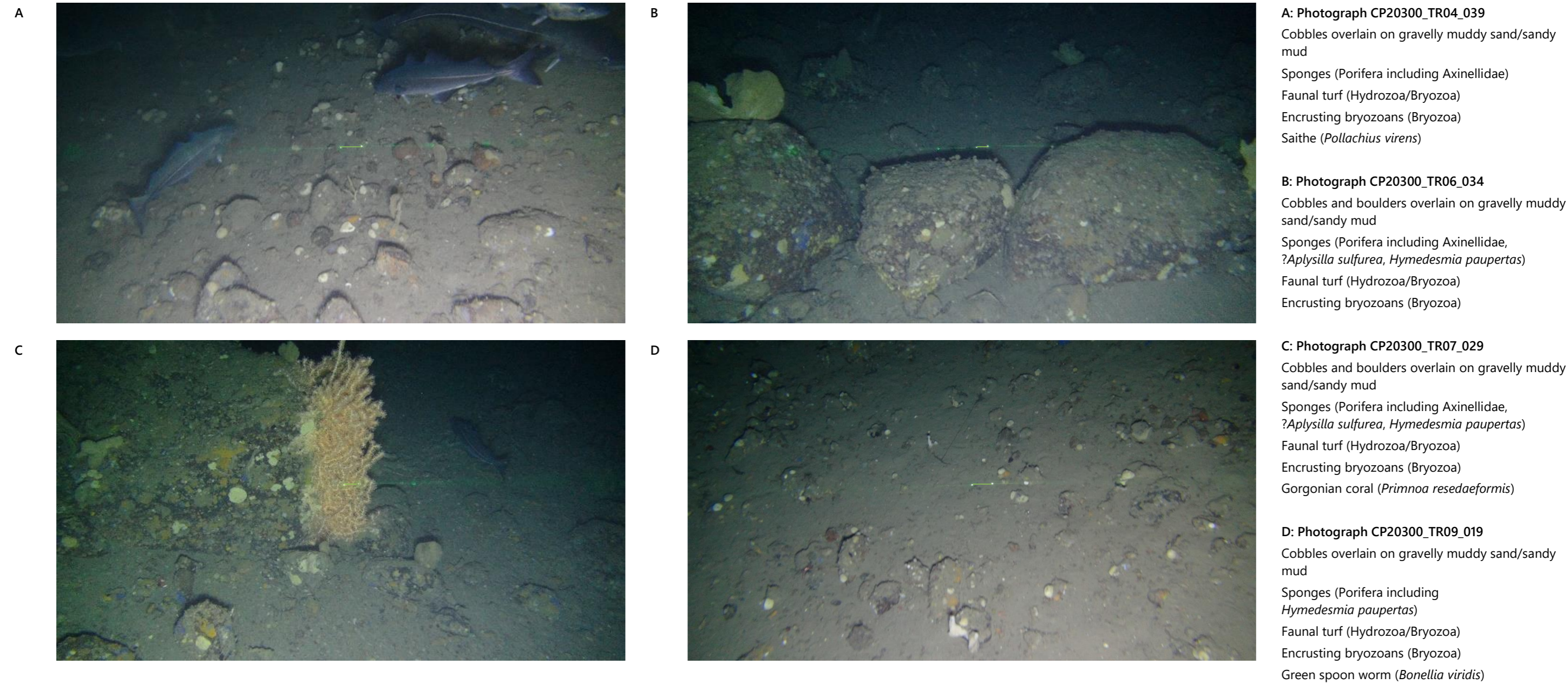
4.3.1 Deep-sea mixed substrate (A6.2)

Found on the seabed beyond the continental shelf break, in water depths generally over 200 m, this level 3 EUNIS classification encompasses deep-sea benthic habitats with substrates predominantly of mixed particle size or gravel (EUNIS, 2019b; 2019c). Areas of deep-sea mixed sediment, including cobbles and boulders, observed as areas of high or mottled reflectivity on the SSS, were observed along all transects.

Taxa observed associated with this habitat type were dominated by sedentary and encrusting fauna including sponges (encrusting Porifera including *Aplysilla sulfurea*, *Hymedesmia paupertas*, erect/massive/branching forms including: Axinellidae, *Phakellia* sp., *Mycale lingua*, *Geodia* sp., Polymastiidae/Phloedictyidae (?*Oceanapia* sp.) and white branching Porifera), corals (*D. pertusum*, *Primnoa resedaeformis* and *Paragorgia arborea*), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa) and anemones (Actiniaria). Other fauna recorded included: squat lobsters (Galatheaidea including *Munida* sp.), burrowing anemones (Ceriantharia), pencil urchins (*Cidaris cidaris*), sea cucumbers (*Parastichopus tremulus*), cushion star (Goniasteridae), (starfish (and *Henricia* sp.) and green spoon worms (*Bonellia viridis*).

Fish including flatfish (Pleuronectiformes), saithe (*Pollachius virens*), redfish (Sebastidae), tusk (*Brosme brosme*) and monkfish (*Lophius piscatorius*) were observed associated with this habitat.

Figure 4.5 presents example seabed photographs of this habitat.



Notes Laser distance (green) is 6.5 cm

Figure 4.5: Example seabed sediment photographs of ‘Deep-sea mixed substrate’ (A6.2)

4.3.2 Deep-sea mud (A6.5)

Found on the seabed beyond the continental shelf break, generally over 200 m, this level 3 EUNIS classification encompasses abyssal benthic habitats with substrates predominantly of mud, whose benthic community is extremely sparse (EUNIS 2019b, 2019d).

Muddy sand/sandy mud, bioturbated with faunal burrows, mounds and tracks, was observed on all transects (CP20300_TR01 to CP20300_TR09). Possible *Nephrops norvegicus* burrow complexes were observed on all transects except for CP20300_TR03, CP20300_TR04 and CP20300_TR07, however no *N. norvegicus* were positively identified.

Epifauna associated with this habitat was sparse and included sea cucumbers (*P. tremulus*), burrowing anemones (Ceriantharia), sea pens (*F. quadrangularis*), shrimp (Caridea), sponges (Porifera including: mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), pencil urchins (*C. cidaris*) and possible Foraminiferans (Foraminifera).

Fish observed within this habitat include saithe (*P. virens*) and tusk (*B. brosme*).

Figure 4.6 presents example seabed photographs of this habitat.

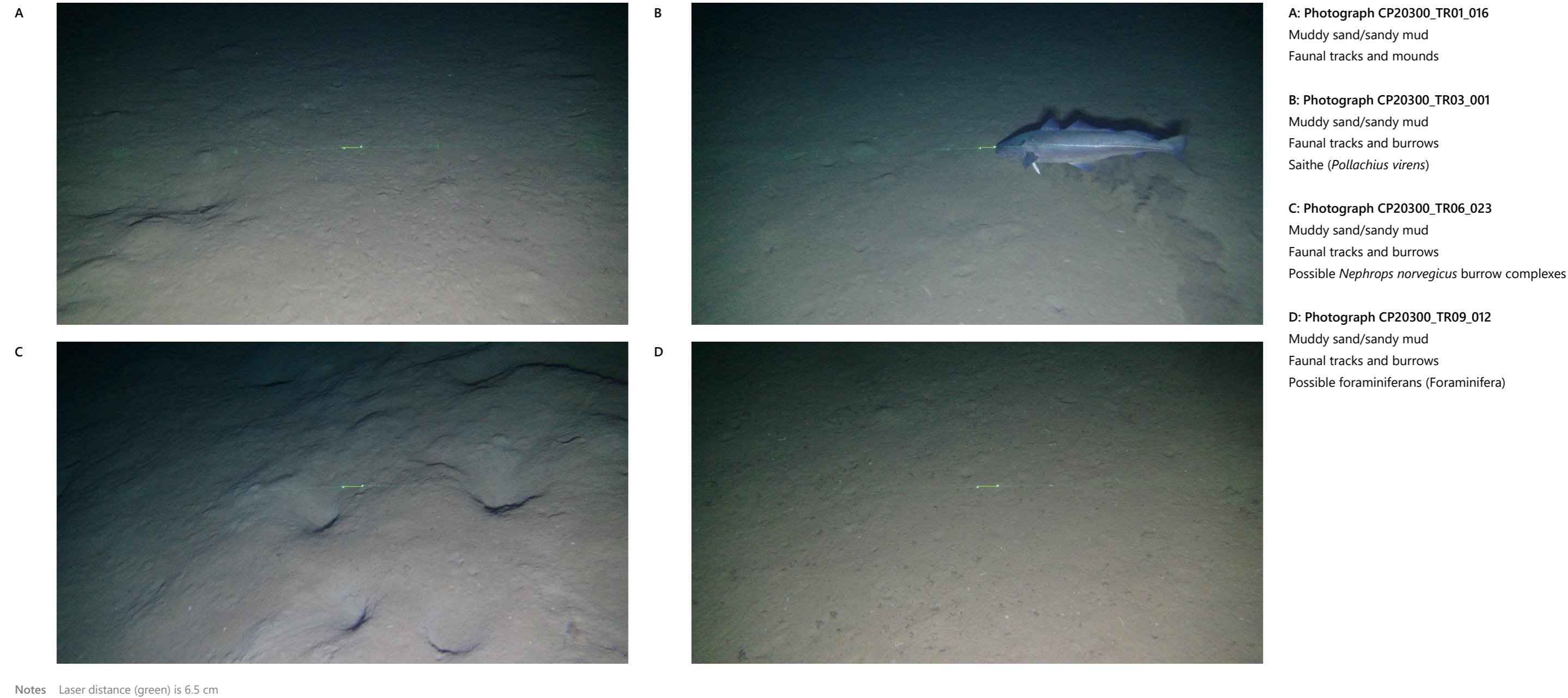


Figure 4.6: Example seabed sediment photographs of ‘Deep-sea mud’ (A6.5)

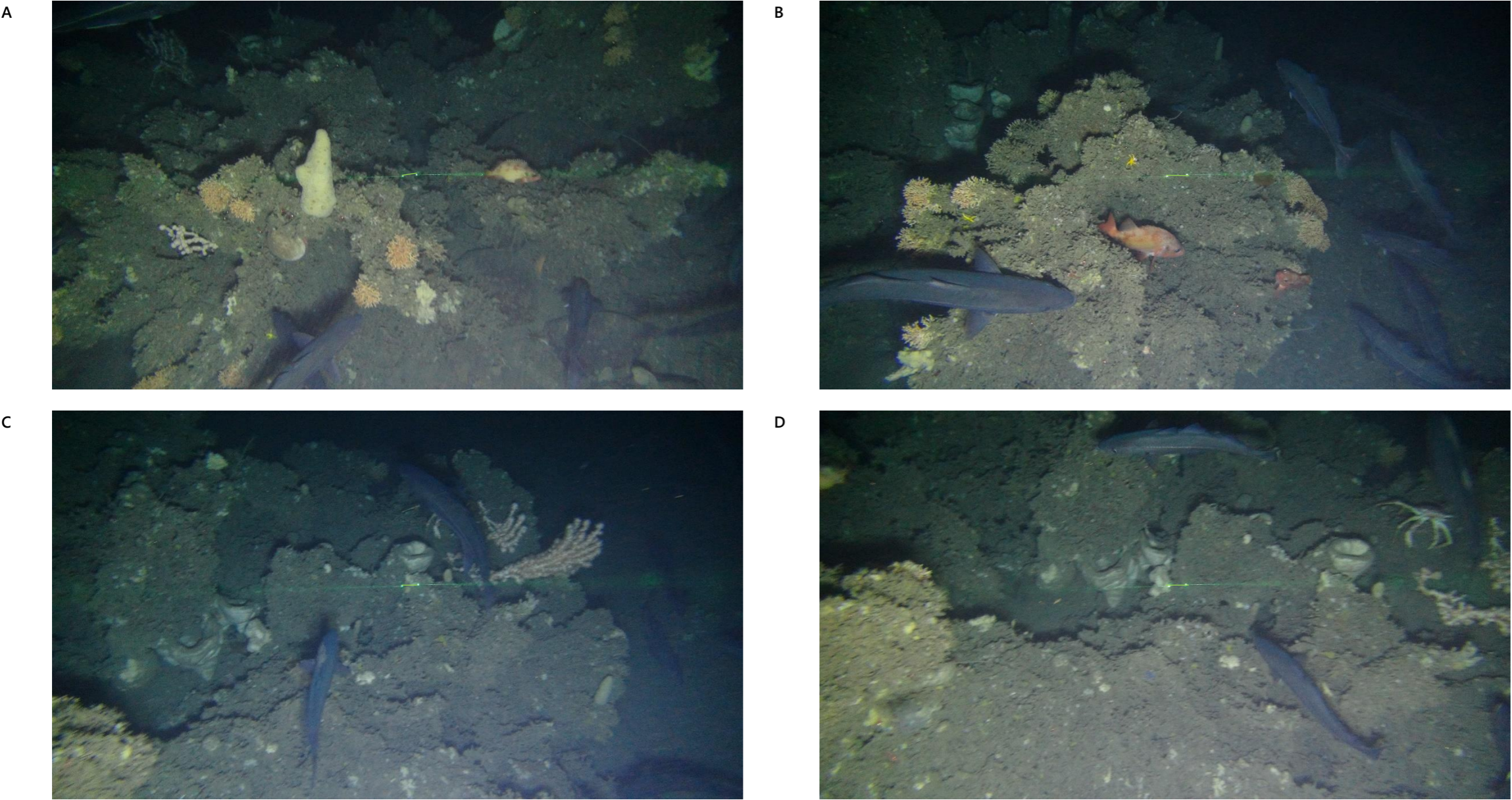
4.3.3 Deep-sea *Lophelia pertusa* reefs (A6.611)

This biotope is described as *D. pertusum* (formerly known as *L. pertusa*), a cold-water, reef-forming coral, which has a wide geographic distribution ranging from 55° S to 70° N, where water temperatures typically remain between 4 °C to 8 °C'. These reefs are generally subject to moderate current velocities (0.5 knots). Characteristic species include other hard corals, such as *Madrepora oculata* and *Solenosmilia variabilis*, the redfish *Sebastes viviparous* and the squat lobster *Munida sarsi*. *Desmophyllum pertusum* reefs occur on hard substrata; this may be *D. pertusum* rubble from an old colony or on glacial deposits. For this reason, *D. pertusum* reefs can be associated with iceberg plough-mark zones (EUNIS, 2019e).

An area of living *D. pertusum* reef was recorded along transect CP20300_TR04. The spatial distribution and coral condition will be discussed in Section 4.4.1.

Epifauna associated with the *D. pertusum* reef included sponges (encrusting Porifera including *H. paupertas* and erect/massive forms including: Axinellidae, *Geodia* sp., *Mycale lingua*), coral (*D. pertusum*), gorgonian coral (*P. arborea*) file clams (*Acesta excavata*), crab (Decapoda) and starfish (Asteroidea including *Henricia* sp.).

Figure 4.7 presents example seabed photographs of this biotope.



A: Photograph CP20300_TR04_058
Desmophyllum pertusum reef
Sponges (Porifera including *Geodia* sp. and *Mycale lingua*)
Coral (*Desmophyllum pertusum*)
Gorgonian coral (*Paragorgia arborea*)
File clam (*Acesta excavata*)
Saithe (*Pollachius virens*)

B: Photograph CP20300_TR04_061
Desmophyllum pertusum reef
Sponges (Porifera including *Geodia* sp.)
Corals (*Desmophyllum pertusum*)
Starfish (Asteroidea including *Henricia* sp.)
Saithe (*Pollachius virens*)
Redfish (Sebastidae)
Faunal turf (Hydrozoa/Bryozoa)
Encrusting bryozoans (Bryozoa)

C: Photograph CP20300_TR04_062
Desmophyllum pertusum reef
Sponges (Porifera including *Geodia* sp.)
Coral (*Desmophyllum pertusum*)
Gorgonian coral (*Paragorgia arborea*)
Saithe (*Pollachius virens*)

D: Photograph CP20300_TR04_063
Desmophyllum pertusum reef
Sponges (Porifera including *Geodia* sp.)
Coral (*Desmophyllum pertusum*)
Gorgonian coral (*Paragorgia arborea*)
Crab (Decapoda)
Saithe (*Pollachius virens*)

Notes Laser distance (green) is 6.5 cm

Figure 4.7: Example seabed sediment photographs of 'Deep-sea *Lophelia pertusa* reef' (A6.611)

4.4 Potential Sensitive Habitats and Species

4.4.1 Cold-water Corals

Areas of higher reflectivity from the SSS data indicated potential coral reef habitats. Living *D. pertusum* (formerly *L. pertusa*) reef was recorded along transect CP20300_TR04, the overall coral condition was 'poor'. The area of living *D. pertusum* was located 164 m south-west of the Bounty PWL.

Table 4.3 presents a summary of the coral condition at transect CP20300_TR04. Figure 4.8 presents the spatial distribution of *D. pertusum* along with the overall reef condition.

Table 4.3: Summary of coral condition

Geodetic Parameters: ED50, UTM Zone 32N [m]				
Transect	Overall Coral Condition	Easting*	Northing*	Coral Area in Relation to the Proposed Well Location
CP20300_TR04	Poor	397 411.2	7 073 968.8	164 m south-west
Notes * = Position provided for a central location of the reef				
Dead	Poor	Fair	Good	Excellent

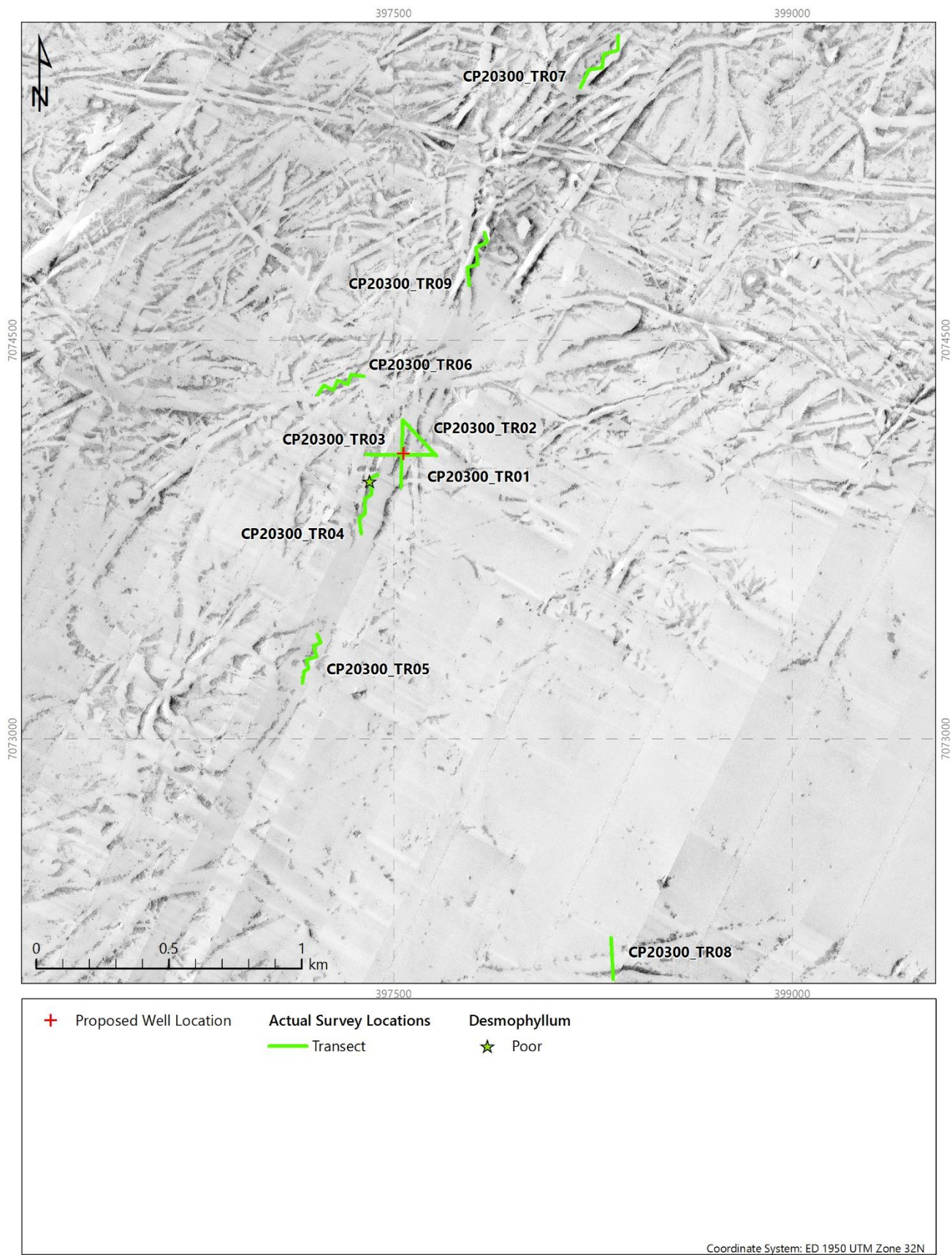


Figure 4.8: Cold-water coral distribution

4.4.2 Hard-bottom Coral Gardens

Two hard-bottom coral garden species, *P. arborea* and *P. resedaeformis*, were recorded in the Bounty survey area. The gorgonian coral *P. arborea* was the most frequently recorded species.

Overall, 9 areas of hard-bottom coral gardens and a total of 13 colonies were recorded across the Bounty survey area. A total of three gorgonian coral colonies (*P. arborea*) were recorded within 500 m of the Bounty PWL, all located along transect CP20300_TR04. An individual colony was observed 126 m south-south-west of the Bounty PWL, classified as 'single *Paragorgia* on boulder' (one specimen per 25 m²), two colonies were observed 198 m south-west of the Bounty PWL and were classified as 'poor' (< 5 specimen per 25 m²).

Table 4.4 presents a summary of the overall condition assessment for hard-bottom coral gardens. Figure 4.9 shows the location of the gorgonian corals observed within the survey area.

Table 4.4: Summary of hard-bottom gorgonian coral condition

Geodetic Parameters: ED50, UTM Zone 32N [m]					
Transect	Overall Coral Condition		Easting*	Northing*	Coral Area in Relation to the Proposed Well Location
CP20300_TR04	Single <i>Paragorgia</i> on boulder		397 495.9	7 073 954.7	126 m south-south-west
CP20300_TR04	Poor		397 410.5	7 073 962.6	168 m south-west
CP20300_TR07	Single <i>Paragorgia</i> on boulder		398 256.7	7 075 523.5	1619 m north-north-east
CP20300_TR07	Poor		398 286.0	7 075 546.6	1653 m north-north-east
CP20300_TR07	Single <i>Paragorgia</i> on boulder		398 289.2	7 075 552.8	1660 m north-north-east
CP20300_TR07	Single <i>Paragorgia</i> on boulder		398 295.7	7 075 560.9	1670 m north-north-east
CP20300_TR07	Poor		398 310.9	7 075 578.8	1693 m north-north-east
CP20300_TR07	Single <i>Paragorgia</i> on boulder		398 321.7	7 075 585.8	1704 m north-north-east
CP20300_TR09	Single <i>Paragorgia</i> on boulder		397 846.9	7 074 865.5	851 m north-north-east
Notes					
* = Positions provided for a central location of the coral garden					
Coral garden condition	Single <i>Paragorgia</i> on boulder	Poor	Fair	Good	Excellent

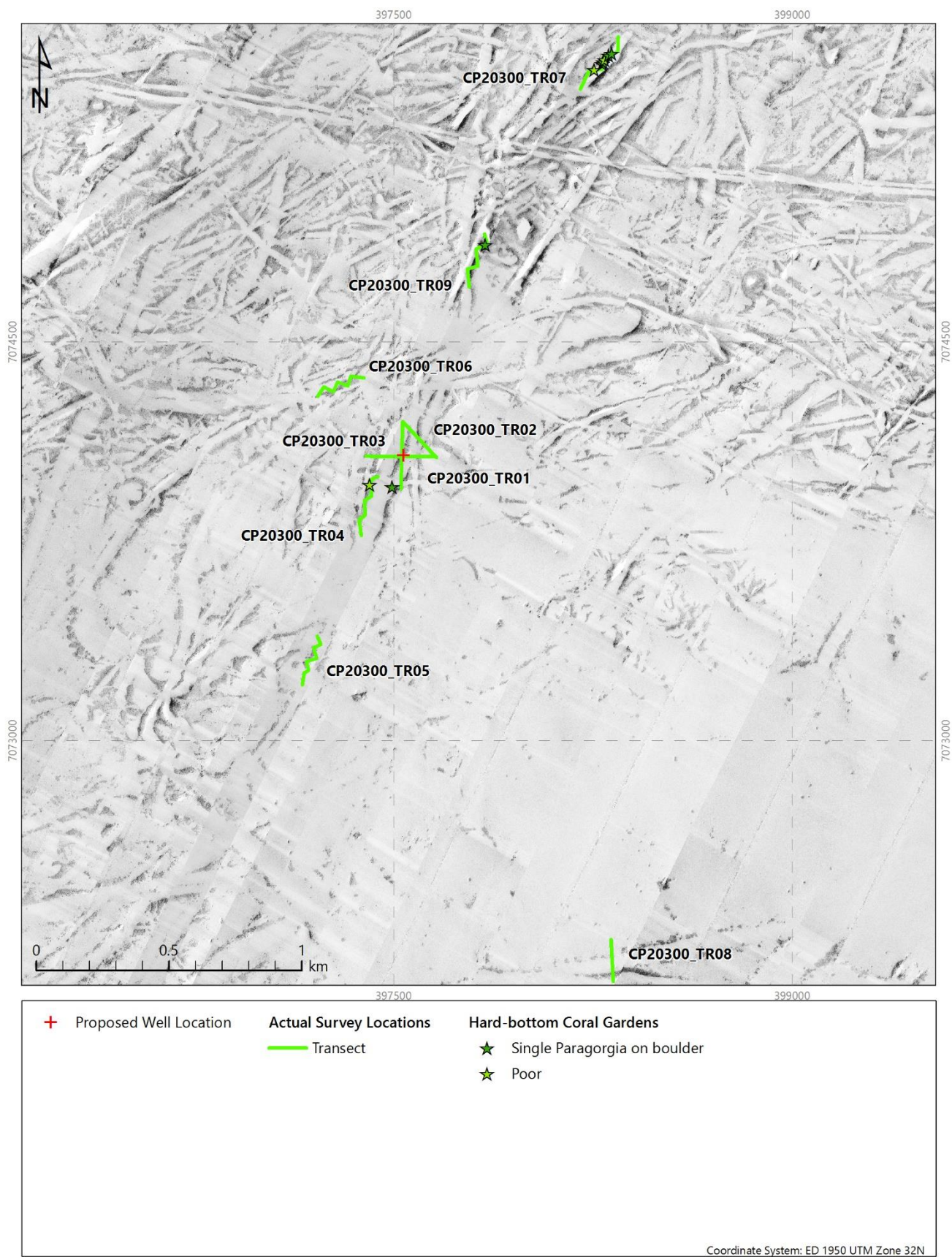


Figure 4.9: Spatial distribution of hard-bottom coral gardens

4.4.3 Deep-sea Sponge Aggregations

The observed sponge taxa included encrusting sponges (including *H. paupertas* and possible *A. sulfurea*), branching sponges (including unidentified white branching Porifera), other sponges observed include *M. lingua*, *Geodia* sp., Polymastiidae/Phloedictyidae (?*Oceanapia* sp.), Axinellidae, *Phakellia* sp. and unidentified Porifera, stalked sponges (*Stylocordyla borealis*) and mud-covered sponges (possible Biemnidae, Thethyidae, Tetillidae or Theneidae).

Most sponge observations remain unidentified as identification of many sponges requires microscopic investigation and should not be attempted from image data alone.

4.4.3.1 Soft-bottom sponges

Soft-bottom sponges such as mud-covered sponges (possible Biemnidae, Thethyidae, Tetillidae or Theneidae) were observed along transects CP20300_TR02, CP20300_TR03, CP20300_TR08 and CP20300_TR09, stalked sponges (*S. borealis*) were observed along transect CP20300_TR07.

Soft-bottom sponges were predominantly recorded as 'none' and 'single specimens', areas of 'rare' (< 1 % cover) were recorded along transects CP20300_TR02, CP20300_TR03, CP20300_TR06 and CP20300_TR07. One small (5 m) area of scattered (1 % to 5 % cover) soft-bottom sponges was observed along transect CP20300_TR07. No soft-bottom sponge densities of 'common' or 'high' were recorded therefore the survey area did not fit the OSPAR (2010b) listed habitat 'Deep-sea sponge aggregations' criteria.

Table 4.5 provides summary statistics for the proportion of soft-bottom sponge abundance classes recorded in the survey area. Figure 4.10 presents the distribution soft-bottom sponge densities observed across the survey area.

Table 4.5: Summary of soft-bottom sponge cover classification

Transect	None	Single Individual	Rare	Scattered	Common	High
		[< 1 % cover]		[1 - 5 % cover]	[5 – 10 % cover]	[> 10 % cover]
CP20300_TR01	100 % (265 m)	-	-	-	-	-
CP20300_TR02	84.3 % (157 m)	0.8 % (2 m)	14.9 % (28 m)	-	-	-
CP20300_TR03	98.3 % (251 m)	-	1.7 % (4 m)	-	-	-
CP20300_TR04	99.6 % (263 m)	0.4 % (1 m)	-	-	-	-
CP20300_TR05	100 % (236 m)	-	-	-	-	-
CP20300_TR06	98.5 % (252 m)	-	1.5 % (4 m)	-	-	-
CP20300_TR07	97.4 % (278 m)	-	2.6 % (8 m)	-	-	-
CP20300_TR08	99.1 % (158 m)	0.9 % (1 m)	-	-	-	-
CP20300_TR09	97.9 % (255 m)	-	-	2.1 % (5 m)	-	-
Sponge cover classification Key:	None	Single individual	Rare	Scattered	Common	High

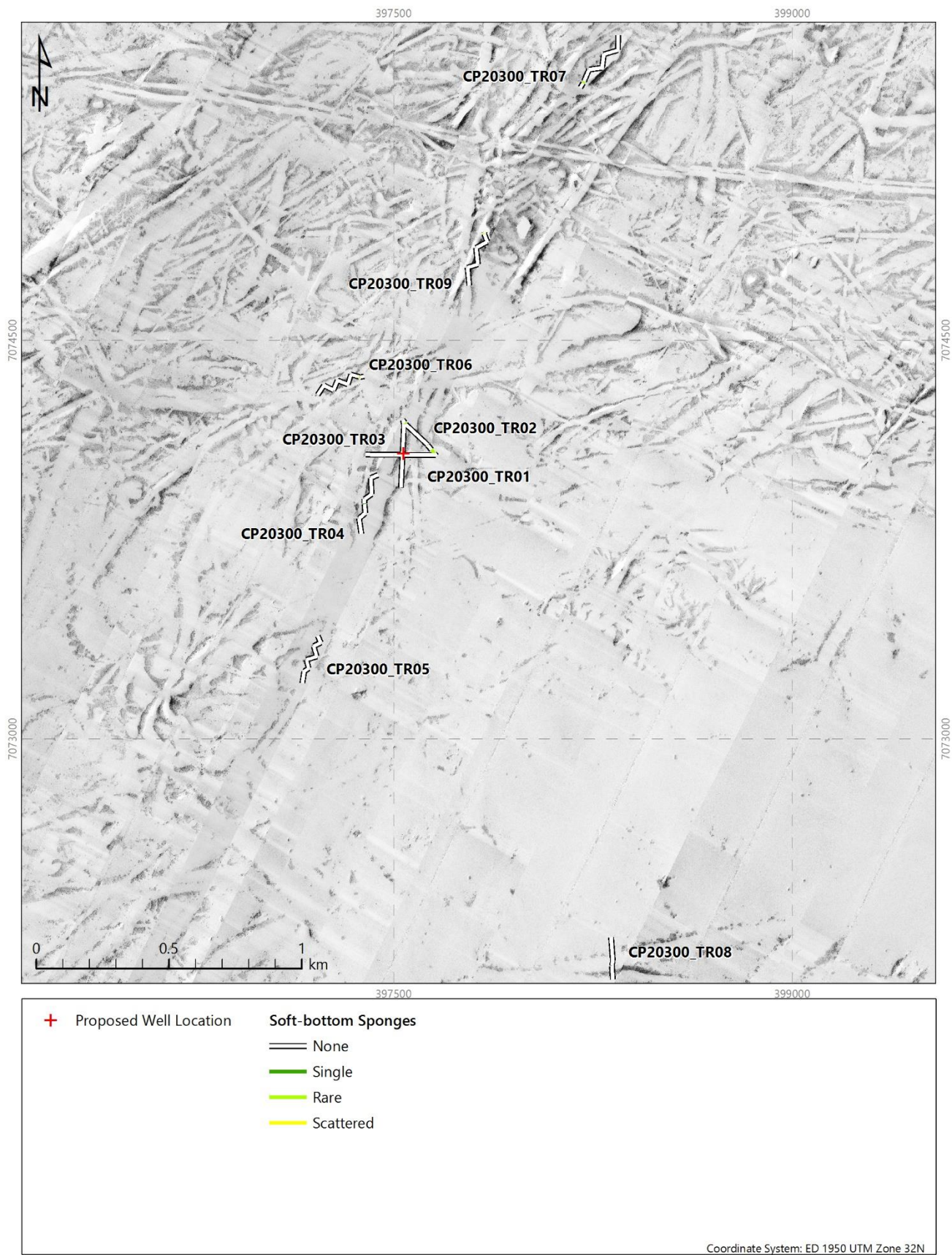


Figure 4.10: Spatial distribution of soft-bottom sponges

4.4.3.2 Hard-bottom sponges

Hard-bottom sponges observed across the survey area were predominately recorded as either 'no sponge', 'single individual' or 'scattered' (1 % to 5 % cover). A total of 13 sections of seabed within transects CP20300_TR01, CP20300_TR04, CP20300_TR06 and CP20300_TR07 were categorised as 'common' (5 % to 10 % cover). No hard bottom sponge densities of 'high' (> 10 % cover) were recorded across the survey area.

Table 4.6 provides summary statistics for the proportion of hard-bottom sponge abundance classes recorded in the survey area. Figure 4.11 presents the distribution hard-bottom sponge densities observed across the survey area.

Table 4.6: Summary of hard-bottom sponge cover classification

Transect	None	Single Individual	Rare	Scattered [1 - 5 % cover]	Common [5 – 10 % cover]	High [> 10 % cover]
		[< 1% cover]				
CP20300_TR01	73.7 % (196 m)	-	-	24.7 % (66 m)	1.6 % (4 m)	-
CP20300_TR02	76.3 % (143 m)	-	-	23.7 % (44 m)	-	-
CP20300_TR03	75.2 % (192 m)	-	-	24.8 % (63 m)	-	-
CP20300_TR04	26.6 % (72 m)	-	3.7 % (10 m)	66.9 % (181 m)	2.7 % (7 m)	-
CP20300_TR05	27.7 % (71 m)	-	22.1 % (56 m)	50.2 % (128 m)	-	-
CP20300_TR06	41 % (107 m)	-	12.4 % (32 m)	42.1 % (110 m)	4.5 % (12 m)	-
CP20300_TR07	28.1 % (82 m)	-	-	64.3 % (188 m)	7.6 % (22 m)	-
CP20300_TR08	74.3 % (118 m)	-	7.6 % (12 m)	18.1 % (29 m)	-	-
CP20300_TR09	36.3 % (99 m)	0.5 % (1 m)	47.5 % (128 m)	15.7 % (43 m)	-	-
Sponge cover classification Key:	None	Single individual	Rare	Scattered	Common	High

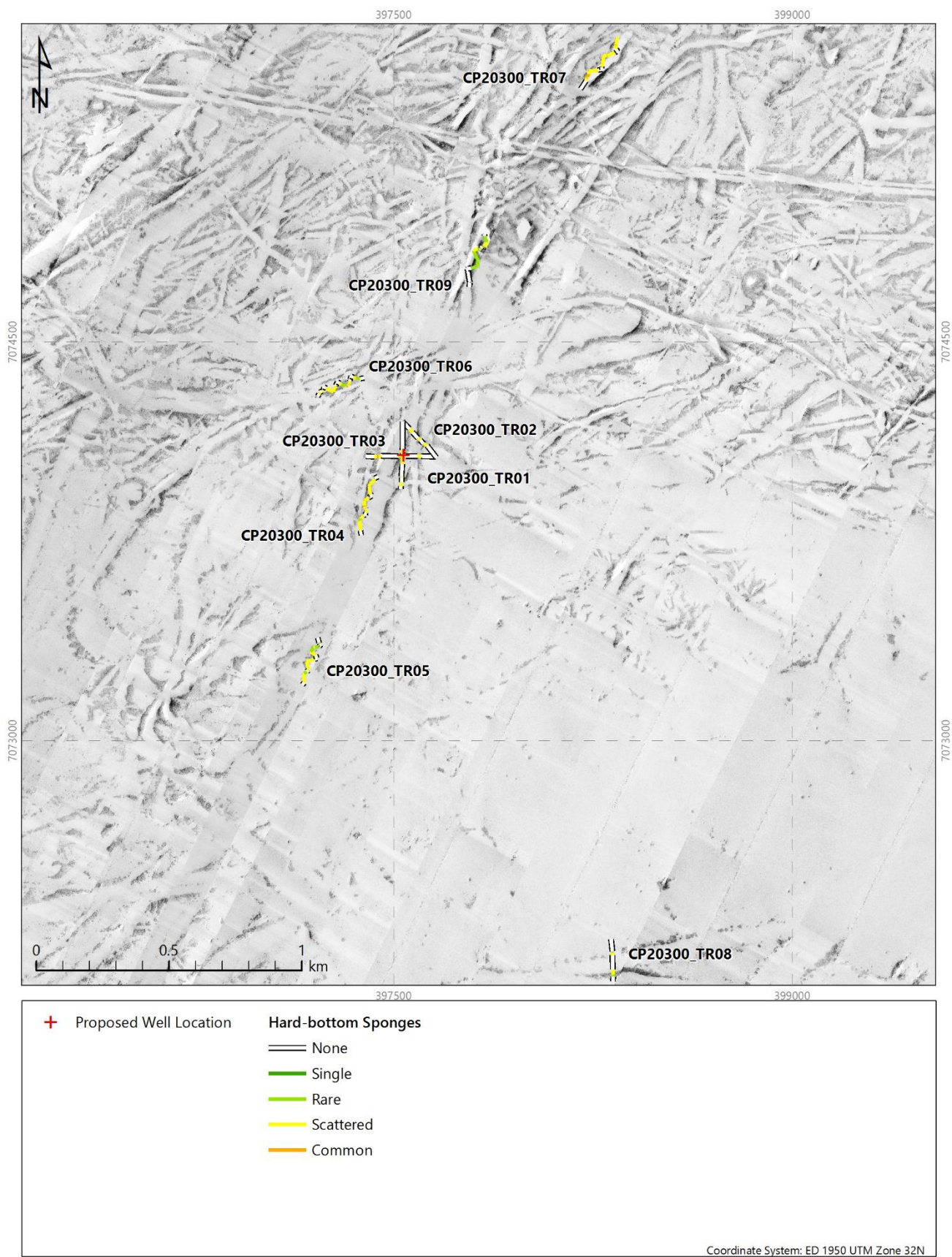


Figure 4.11: Spatial distribution of hard-bottom sponges

4.4.4 Sea Pens and Burrowing Megafauna

Two specimens of the sea pen *F. quadrangularis*, were observed on transects CP20300_TR05 and CP20300_TR06. Bioturbation, including burrows and mounds, were observed throughout the survey area. Table 4.7 provides a summary of the sea pens observed within the Bounty survey area.

Table 4.7: Summary of sea pens observed in the Bounty survey area

Geodetic Parameters: ED50, UTM Zone 32N [m]				
Transect	Sea Pen Observed	Easting	Northing	Sea Pens in Relation to the Proposed Well Location
CP20300_TR05	<i>Funiculina quadrangularis</i>	397 163.4	7 073 241.6	912 m south-south-west
CP20300_TR06	<i>Funiculina quadrangularis</i>	397 237.7	7 074 329.2	394 m north-west

As only two sea pens were recorded within the Bounty survey area, a full sea pen assessment was not undertaken.

4.4.5 Red List Species

All transects featured species assessed under the Norwegian Red List of Species, with most falling into the category 'Least concern'.

The gorgonian coral, *P. arborea* is listed as 'Near threatened' and was observed on transects CP20300_TR04, CP20300_TR07 and CP20300_TR09. The stony coral, *D. pertusum*, was observed on transect CP20300_TR04 and is also listed as 'Near threatened'. Redfish were observed on transects CP20300_TR04, CP20300_TR06, CP20300_TR07 and CP20300_TR09 but could not be identified to species level. The redfish *Sebastes norvegicus* is listed as 'Endangered'.

Table 4.8 provides details of fauna which is classified under the Norwegian red list.

Table 4.8: Norwegian red list species

Taxon	Common Name	Norwegian Red List Status (NBIC, 2015)
<i>Paragorgia arborea</i>	Bubblegum coral	NT
<i>Lophelia pertusa</i>	Stony coral	NT
Sebastidae	Redfish	EN - <i>Sebastes norvegicus</i>
Notes NT = Near Threatened EN = Endangered		

5. Conclusions

The sediment across the survey area comprised gravelly, muddy sand/ sandy mud with varying proportions of coarser sediments (gravel, pebbles, cobbles and boulders). In water depths of 203 m to 227 m MSL. Soft sediments were classified as the level 3 EUNIS habitat 'Deep-sea mud' (A6.2); areas of coarser sediments (gravel, pebbles, cobbles and boulders) were classified as 'Deep-sea mixed substrate' (A5.45). The EUNIS biotope 'Deep-sea *Lophelia pertusa* reefs' (A6.611) was assigned to one area of live *D. pertusum* reef along transect CP20300_TR04.

Epifauna associated with mixed sediments was dominated by sedentary and encrusting fauna. Characterising taxa include sponges (encrusting Porifera including *A. sulfurea*, *H. paupertas*, erect/massive/branching forms including: Axinellidae, *Phakellia* sp., *M. lingua*) coral (*D. pertusum*) and gorgonian coral (*P. arborea*).

Soft sediment areas were bioturbated with faunal burrows, mounds and tracks. Fauna was sparse in these areas with sea cucumbers (*P. tremulus*), burrowing anemones (Ceriantharia), sponges (Porifera including: mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae and Theneidae) amongst the fauna observed.

Taxa recorded in association with the *D. pertusum* reef included sponges (encrusting Porifera including *H. paupertas* and erect/massive forms including: Axinellidae, *Geodia* sp., *M. lingua*), gorgonian coral (*Paragorgia arborea*) and file clams (*A. excavata*).

Fish recorded in the survey area included flatfish (Pleuronectiformes), saithe (*P. virens*), redfish (Sebastidae), tusk (*B. brosme*) and monkfish (*L. piscatorius*).

Fauna observed in association with the habitats recorded at the Bounty survey area were typical of the region (Moen & Svensen, 2014; WoRMS Editorial Board, 2020).

One area of cold water coral reef was observed along transect CP20300_TR04 and located 164 m south-west of the Bounty PWL, the overall coral condition of this live *D. pertusum* reef was classified as 'poor'.

Paragorgia arborea was the most frequently recorded hard-bottom coral garden species observed in the Bounty survey area. Nine areas of hard bottom coral gardens were observed, two areas, located along transect CP20300_TR04, were within 500 m of the Bounty PWL. All areas were classified as 'single *Paragorgia* on boulder' or 'poor' (< 5 specimens per 25 m²), no areas were classified as 'fair' 'good' or 'excellent'.

The density of soft-bottom sponges ranged from 'none' to 'scattered' (1 % to 5 % cover). No areas were classified as 'common' or 'high', therefore the soft-bottom sponge communities recorded across the Bounty survey area do not constitute the OSPAR (2010b) listed habitat 'Deep-sea sponge aggregations'.

The density of hard-bottom sponges ranged from 'none' to 'common' (5 % to 10 % cover). The majority of the hard-bottom sponges were classified as 'none' or 'scattered' (1 % to 5 % cover). Areas of 'common' (5 % to 10 % cover) were recorded in transects CP20300_TR01, CP20300_TR04, CP20300_TR06 and CP20300_TR07. There were no areas of hard-bottom sponges categorised as 'high' (> 10 % cover) within the Bounty survey area.

A total of two specimens of the sea pen, *F. quadrangularis*, were recorded on transects CP20300_TR05 and CP20300_TR06, located 912 m south-south-west and 394 m north-west of the Bounty PWL. Bioturbation, including burrows and mounds, were observed throughout the survey area.

The gorgonian coral *P. arborea* and *D. pertusum* are currently listed as 'Near threatened' on the Norwegian Red List (NBIC, 2015). Within the family Sebastidae (redfish) there are three possible species occurring in Norwegian waters and *S. norvegicus* is listed as 'Endangered'. Other taxa recorded in the Bounty survey area were assessed as 'Least concern' or 'Not evaluated'.

No other sensitive habitats or species were identified from either the geophysical or photographic data.

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Appendix A

Guidelines on Use of Report

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Appendix B

Logs

B.1 Survey Log

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	18:22:34	CP20300_TR01	Video	SOL	1	212.8	397 409.0	7 074 071.0	397 398.1	7 074 069.4	11.0	
03/05/2020	18:23:40	CP20300_TR01	Still	CP20300_TR01_001	2		397 409.0	7 074 071.0	397 406.4	7 074 068.6	3.5	
03/05/2020	18:24:46	CP20300_TR01	Still	CP20300_TR01_002	3		397 409.0	7 074 071.0	397 416.9	7 074 069.6	8.0	
03/05/2020	18:25:22	CP20300_TR01	Still	CP20300_TR01_003	4		397 409.0	7 074 071.0	397 422.4	7 074 067.9	13.7	
03/05/2020	18:26:03	CP20300_TR01	Still	CP20300_TR01_004	5		397 409.0	7 074 071.0	397 428.5	7 074 068.6	19.7	
03/05/2020	18:26:28	CP20300_TR01	Still	CP20300_TR01_005	6		397 409.0	7 074 071.0	397 431.4	7 074 067.8	22.6	
03/05/2020	18:26:48	CP20300_TR01	Still	CP20300_TR01_006	7		397 409.0	7 074 071.0	397 434.6	7 074 067.3	25.9	
03/05/2020	18:27:05	CP20300_TR01	Still	CP20300_TR01_007	8		397 409.0	7 074 071.0	397 439.1	7 074 067.7	30.2	
03/05/2020	18:27:46	CP20300_TR01	Still	CP20300_TR01_008	9		397 409.0	7 074 071.0	397 447.6	7 074 069.1	38.6	
03/05/2020	18:28:47	CP20300_TR01	Still	CP20300_TR01_009	10		397 409.0	7 074 071.0	397 454.6	7 074 071.7	45.6	
03/05/2020	18:29:26	CP20300_TR01	Still	CP20300_TR01_010	11		397 409.0	7 074 071.0	397 459.8	7 074 070.1	50.8	
03/05/2020	18:30:05	CP20300_TR01	Still	CP20300_TR01_011	12		397 409.0	7 074 071.0	397 464.6	7 074 069.2	55.6	
03/05/2020	18:31:07	CP20300_TR01	Still	CP20300_TR01_012	13		397 409.0	7 074 071.0	397 472.6	7 074 067.9	63.7	
03/05/2020	18:31:55	CP20300_TR01	Still	CP20300_TR01_013	14		397 409.0	7 074 071.0	397 477.3	7 074 069.5	68.3	
03/05/2020	18:32:47	CP20300_TR01	Still	CP20300_TR01_014	15		397 409.0	7 074 071.0	397 482.4	7 074 068.4	73.4	
03/05/2020	18:33:40	CP20300_TR01	Still	CP20300_TR01_015	16		397 409.0	7 074 071.0	397 489.6	7 074 067.0	80.7	
03/05/2020	18:34:15	CP20300_TR01	Still	CP20300_TR01_016	17		397 409.0	7 074 071.0	397 497.6	7 074 068.2	88.7	
03/05/2020	18:34:38	CP20300_TR01	Still	CP20300_TR01_017	18		397 409.0	7 074 071.0	397 504.1	7 074 068.5	95.1	
03/05/2020	18:35:13	CP20300_TR01	Still	CP20300_TR01_018	19		397 409.0	7 074 071.0	397 511.3	7 074 069.5	102.3	
03/05/2020	18:35:45	CP20300_TR01	Still	CP20300_TR01_019	20		397 409.0	7 074 071.0	397 518.7	7 074 070.4	109.7	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	18:35:55	CP20300_TR01	Still	CP20300_TR01_020	21		397 409.0	7 074 071.0	397 519.5	7 074 070.3	110.5	
03/05/2020	18:36:10	CP20300_TR01	Still	CP20300_TR01_021	22		397 409.0	7 074 071.0	397 522.3	7 074 070.7	113.3	
03/05/2020	18:36:42	CP20300_TR01	Still	CP20300_TR01_022	23		397 409.0	7 074 071.0	397 528.6	7 074 072.9	119.6	
03/05/2020	18:37:02	CP20300_TR01	Still	CP20300_TR01_023	24		397 409.0	7 074 071.0	397 533.2	7 074 072.9	124.2	
03/05/2020	18:37:22	CP20300_TR01	Still	CP20300_TR01_024	25		397 409.0	7 074 071.0	397 535.9	7 074 070.6	126.9	
03/05/2020	18:37:42	CP20300_TR01	Still	CP20300_TR01_025	26		397 409.0	7 074 071.0	397 538.7	7 074 069.5	129.7	
03/05/2020	18:38:00	CP20300_TR01	Still	CP20300_TR01_026	27		397 409.0	7 074 071.0	397 541.8	7 074 069.4	132.8	
03/05/2020	18:38:35	CP20300_TR01	Still	CP20300_TR01_027	28		397 409.0	7 074 071.0	397 544.8	7 074 070.4	135.8	
03/05/2020	18:39:06	CP20300_TR01	Still	CP20300_TR01_028	29		397 409.0	7 074 071.0	397 548.9	7 074 070.0	140.0	
03/05/2020	18:39:39	CP20300_TR01	Still	CP20300_TR01_029	30		397 409.0	7 074 071.0	397 554.4	7 074 070.1	145.4	
03/05/2020	18:40:17	CP20300_TR01	Still	CP20300_TR01_030	31		397 409.0	7 074 071.0	397 560.8	7 074 069.1	151.8	
03/05/2020	18:40:37	CP20300_TR01	Still	CP20300_TR01_031	32		397 409.0	7 074 071.0	397 562.5	7 074 068.5	153.5	
03/05/2020	18:40:52	CP20300_TR01	Still	CP20300_TR01_032	33		397 409.0	7 074 071.0	397 564.6	7 074 067.7	155.6	
03/05/2020	18:41:33	CP20300_TR01	Still	CP20300_TR01_033	34		397 409.0	7 074 071.0	397 570.4	7 074 066.8	161.5	
03/05/2020	18:42:51	CP20300_TR01	Still	CP20300_TR01_034	35		397 409.0	7 074 071.0	397 577.6	7 074 067.2	168.7	
03/05/2020	18:43:12	CP20300_TR01	Still	CP20300_TR01_035	36		397 409.0	7 074 071.0	397 579.7	7 074 068.2	170.7	
03/05/2020	18:43:42	CP20300_TR01	Still	CP20300_TR01_036	37		397 409.0	7 074 071.0	397 583.0	7 074 068.2	174.0	
03/05/2020	18:44:19	CP20300_TR01	Still	CP20300_TR01_037	38		397 409.0	7 074 071.0	397 590.3	7 074 069.1	181.3	
03/05/2020	18:44:27	CP20300_TR01	Still	CP20300_TR01_038	39		397 409.0	7 074 071.0	397 592.1	7 074 069.4	183.1	
03/05/2020	18:44:38	CP20300_TR01	Still	CP20300_TR01_039	40		397 409.0	7 074 071.0	397 593.4	7 074 070.0	184.4	
03/05/2020	18:44:47	CP20300_TR01	Still	CP20300_TR01_040	41		397 409.0	7 074 071.0	397 595.6	7 074 069.6	186.6	
03/05/2020	18:44:58	CP20300_TR01	Still	CP20300_TR01_041	42		397 409.0	7 074 071.0	397 597.3	7 074 069.1	188.3	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	18:45:26	CP20300_TR01	Still	CP20300_TR01_042	43		397 409.0	7 074 071.0	397 602.0	7 074 069.5	193.0	
03/05/2020	18:45:58	CP20300_TR01	Still	CP20300_TR01_043	44		397 409.0	7 074 071.0	397 607.7	7 074 069.9	198.7	
03/05/2020	18:46:09	CP20300_TR01	Still	CP20300_TR01_044	45		397 409.0	7 074 071.0	397 610.1	7 074 069.4	201.1	
03/05/2020	18:46:43	CP20300_TR01	Still	CP20300_TR01_045	46		397 409.0	7 074 071.0	397 616.4	7 074 069.8	207.4	
03/05/2020	18:47:02	CP20300_TR01	Still	CP20300_TR01_046	47		397 409.0	7 074 071.0	397 621.8	7 074 071.0	212.8	
03/05/2020	18:47:42	CP20300_TR01	Still	CP20300_TR01_047	48		397 409.0	7 074 071.0	397 625.9	7 074 071.2	216.9	
03/05/2020	18:48:02	CP20300_TR01	Still	CP20300_TR01_048	49		397 409.0	7 074 071.0	397 629.7	7 074 071.0	220.7	
03/05/2020	18:48:40	CP20300_TR01	Still	CP20300_TR01_049	50		397 409.0	7 074 071.0	397 635.8	7 074 070.5	226.8	
03/05/2020	18:49:06	CP20300_TR01	Still	CP20300_TR01_050	51		397 409.0	7 074 071.0	397 642.2	7 074 069.8	233.2	
03/05/2020	18:49:22	CP20300_TR01	Still	CP20300_TR01_051	52		397 409.0	7 074 071.0	397 644.5	7 074 070.3	235.5	
03/05/2020	18:49:36	CP20300_TR01	Still	CP20300_TR01_052	53		397 409.0	7 074 071.0	397 646.2	7 074 071.0	237.2	
03/05/2020	18:50:19	CP20300_TR01	Still	CP20300_TR01_053	54		397 409.0	7 074 071.0	397 651.6	7 074 071.2	242.6	
03/05/2020	18:50:37	CP20300_TR01	Still	CP20300_TR01_054	55		397 409.0	7 074 071.0	397 654.9	7 074 071.0	245.9	
03/05/2020	18:51:04	CP20300_TR01	Still	CP20300_TR01_055	56		397 409.0	7 074 071.0	397 657.6	7 074 070.3	248.6	
03/05/2020	18:51:19	CP20300_TR01	Video	EOL	57	214.4	397 659.0	7 074 071.0	397 659.9	7 074 068.4	2.7	
03/05/2020	18:57:24	CP20300_TR02	Video	SOL	58	213.7	397 659.0	7 074 071.0	397 661.9	7 074 063.9	7.7	
03/05/2020	18:58:17	CP20300_TR02	Still	CP20300_TR02_001	59		397 659.0	7 074 071.0	397 659.5	7 074 064.7	6.4	
03/05/2020	18:59:00	CP20300_TR02	Still	CP20300_TR02_002	60		397 659.0	7 074 071.0	397 657.1	7 074 066.4	5.0	
03/05/2020	19:00:37	CP20300_TR02	Still	CP20300_TR02_003	61		397 659.0	7 074 071.0	397 654.8	7 074 070.4	4.2	
03/05/2020	19:03:07	CP20300_TR02	Still	CP20300_TR02_004	62		397 659.0	7 074 071.0	397 657.0	7 074 067.5	4.0	
03/05/2020	19:04:29	CP20300_TR02	Still	CP20300_TR02_005	63		397 659.0	7 074 071.0	397 655.0	7 074 070.5	4.0	
03/05/2020	19:05:00	CP20300_TR02	Still	CP20300_TR02_006	64		397 659.0	7 074 071.0	397 651.1	7 074 072.3	8.0	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	19:05:33	CP20300_TR02	Still	CP20300_TR02_007	65		397 659.0	7 074 071.0	397 647.6	7 074 077.1	12.9	
03/05/2020	19:06:00	CP20300_TR02	Still	CP20300_TR02_008	66		397 659.0	7 074 071.0	397 644.8	7 074 082.7	18.4	
03/05/2020	19:06:33	CP20300_TR02	Still	CP20300_TR02_009	67		397 659.0	7 074 071.0	397 641.3	7 074 088.9	25.2	
03/05/2020	19:07:14	CP20300_TR02	Still	CP20300_TR02_010	68		397 659.0	7 074 071.0	397 634.1	7 074 093.6	33.7	
03/05/2020	19:07:38	CP20300_TR02	Still	CP20300_TR02_011	69		397 659.0	7 074 071.0	397 631.0	7 074 095.0	36.9	
03/05/2020	19:08:20	CP20300_TR02	Still	CP20300_TR02_012	70		397 659.0	7 074 071.0	397 628.4	7 074 101.0	42.9	
03/05/2020	19:08:35	CP20300_TR02	Still	CP20300_TR02_013	71		397 659.0	7 074 071.0	397 627.1	7 074 102.2	44.7	
03/05/2020	19:08:56	CP20300_TR02	Still	CP20300_TR02_014	72		397 659.0	7 074 071.0	397 626.7	7 074 105.2	47.0	
03/05/2020	19:09:36	CP20300_TR02	Still	CP20300_TR02_015	73		397 659.0	7 074 071.0	397 623.5	7 074 110.5	53.1	
03/05/2020	19:09:48	CP20300_TR02	Still	CP20300_TR02_016	74		397 659.0	7 074 071.0	397 622.2	7 074 111.5	54.7	
03/05/2020	19:10:04	CP20300_TR02	Still	CP20300_TR02_017	75		397 659.0	7 074 071.0	397 617.2	7 074 113.6	59.6	
03/05/2020	19:10:39	CP20300_TR02	Still	CP20300_TR02_018	76		397 659.0	7 074 071.0	397 607.0	7 074 122.5	73.1	
03/05/2020	19:10:50	CP20300_TR02	Still	CP20300_TR02_019	77		397 659.0	7 074 071.0	397 605.6	7 074 123.9	75.2	
03/05/2020	19:11:07	CP20300_TR02	Still	CP20300_TR02_020	78		397 659.0	7 074 071.0	397 600.6	7 074 129.9	83.0	
03/05/2020	19:11:12	CP20300_TR02	Still	CP20300_TR02_021	79		397 659.0	7 074 071.0	397 599.9	7 074 131.0	84.3	
03/05/2020	19:11:21	CP20300_TR02	Still	CP20300_TR02_022	80		397 659.0	7 074 071.0	397 597.6	7 074 133.0	87.3	
03/05/2020	19:11:59	CP20300_TR02	Still	CP20300_TR02_023	81		397 659.0	7 074 071.0	397 591.7	7 074 137.2	94.4	
03/05/2020	19:12:19	CP20300_TR02	Still	CP20300_TR02_024	82		397 659.0	7 074 071.0	397 590.0	7 074 140.8	98.1	
03/05/2020	19:12:38	CP20300_TR02	Still	CP20300_TR02_025	83		397 659.0	7 074 071.0	397 588.7	7 074 143.6	101.0	
03/05/2020	19:13:01	CP20300_TR02	Still	CP20300_TR02_026	84		397 659.0	7 074 071.0	397 584.7	7 074 147.5	106.7	
03/05/2020	19:13:24	CP20300_TR02	Still	CP20300_TR02_027	85		397 659.0	7 074 071.0	397 579.7	7 074 150.3	112.1	
03/05/2020	19:13:43	CP20300_TR02	Still	CP20300_TR02_028	86		397 659.0	7 074 071.0	397 577.9	7 074 151.8	114.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	19:14:06	CP20300_TR02	Still	CP20300_TR02_029	87		397 659.0	7 074 071.0	397 572.6	7 074 156.7	121.7	
03/05/2020	19:14:19	CP20300_TR02	Still	CP20300_TR02_030	88		397 659.0	7 074 071.0	397 572.1	7 074 158.6	123.4	
03/05/2020	19:14:26	CP20300_TR02	Still	CP20300_TR02_031	89		397 659.0	7 074 071.0	397 570.5	7 074 160.4	125.8	
03/05/2020	19:14:39	CP20300_TR02	Still	CP20300_TR02_032	90		397 659.0	7 074 071.0	397 569.2	7 074 161.1	127.2	
03/05/2020	19:14:58	CP20300_TR02	Still	CP20300_TR02_033	91		397 659.0	7 074 071.0	397 568.2	7 074 164.1	130.1	
03/05/2020	19:15:09	CP20300_TR02	Still	CP20300_TR02_034	92		397 659.0	7 074 071.0	397 567.7	7 074 166.5	132.1	
03/05/2020	19:15:24	CP20300_TR02	Still	CP20300_TR02_035	93		397 659.0	7 074 071.0	397 564.4	7 074 169.8	136.8	
03/05/2020	19:15:32	CP20300_TR02	Still	CP20300_TR02_036	94		397 659.0	7 074 071.0	397 562.5	7 074 171.0	139.0	
03/05/2020	19:16:08	CP20300_TR02	Still	CP20300_TR02_037	95		397 659.0	7 074 071.0	397 557.7	7 074 175.7	145.7	
03/05/2020	19:16:38	CP20300_TR02	Still	CP20300_TR02_038	96		397 659.0	7 074 071.0	397 548.9	7 074 179.5	154.5	
03/05/2020	19:16:52	CP20300_TR02	Still	CP20300_TR02_039	97		397 659.0	7 074 071.0	397 546.9	7 074 182.5	158.1	
03/05/2020	19:17:06	CP20300_TR02	Still	CP20300_TR02_040	98		397 659.0	7 074 071.0	397 544.7	7 074 185.7	161.9	
03/05/2020	19:17:24	CP20300_TR02	Still	CP20300_TR02_041	99		397 659.0	7 074 071.0	397 543.1	7 074 188.1	164.7	
03/05/2020	19:17:41	CP20300_TR02	Still	CP20300_TR02_042	100		397 659.0	7 074 071.0	397 541.0	7 074 191.0	168.3	
03/05/2020	19:18:01	CP20300_TR02	Still	CP20300_TR02_043	101		397 659.0	7 074 071.0	397 538.0	7 074 194.2	172.7	
03/05/2020	19:18:15	CP20300_TR02	Still	CP20300_TR02_044	102		397 659.0	7 074 071.0	397 535.9	7 074 196.2	175.6	
03/05/2020	19:18:49	CP20300_TR02	Video	EOL	103	214.3	397 534.0	7 074 196.0	397 532.1	7 074 200.4	4.7	
03/05/2020	19:23:24	CP20300_TR03	Video	SOL	104	214.4	397 534.0	7 074 196.0	397 534.7	7 074 199.9	4.0	
03/05/2020	19:24:07	CP20300_TR03	Still	CP20300_TR03_001	105		397 534.0	7 074 196.0	397 534.8	7 074 195.0	1.3	
03/05/2020	19:24:39	CP20300_TR03	Still	CP20300_TR03_002	106		397 534.0	7 074 196.0	397 537.2	7 074 186.8	9.8	
03/05/2020	19:25:06	CP20300_TR03	Still	CP20300_TR03_003	107		397 534.0	7 074 196.0	397 538.8	7 074 182.5	14.4	
03/05/2020	19:25:30	CP20300_TR03	Still	CP20300_TR03_004	108		397 534.0	7 074 196.0	397 538.7	7 074 177.5	19.1	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	19:25:58	CP20300_TR03	Still	CP20300_TR03_005	109		397 534.0	7 074 196.0	397 534.9	7 074 173.4	22.6	
03/05/2020	19:26:39	CP20300_TR03	Still	CP20300_TR03_006	110		397 534.0	7 074 196.0	397 534.2	7 074 163.9	32.1	
03/05/2020	19:27:00	CP20300_TR03	Still	CP20300_TR03_007	111		397 534.0	7 074 196.0	397 531.9	7 074 162.4	33.6	
03/05/2020	19:27:31	CP20300_TR03	Still	CP20300_TR03_008	112		397 534.0	7 074 196.0	397 531.3	7 074 157.3	38.8	
03/05/2020	19:28:28	CP20300_TR03	Still	CP20300_TR03_009	113		397 534.0	7 074 196.0	397 530.6	7 074 149.0	47.2	
03/05/2020	19:28:45	CP20300_TR03	Still	CP20300_TR03_010	114		397 534.0	7 074 196.0	397 531.1	7 074 145.4	50.7	
03/05/2020	19:29:14	CP20300_TR03	Still	CP20300_TR03_011	115		397 534.0	7 074 196.0	397 532.0	7 074 140.4	55.6	
03/05/2020	19:29:39	CP20300_TR03	Still	CP20300_TR03_012	116		397 534.0	7 074 196.0	397 531.5	7 074 136.9	59.2	
03/05/2020	19:30:23	CP20300_TR03	Still	CP20300_TR03_013	117		397 534.0	7 074 196.0	397 532.8	7 074 127.9	68.1	
03/05/2020	19:30:54	CP20300_TR03	Still	CP20300_TR03_014	118		397 534.0	7 074 196.0	397 532.0	7 074 124.7	71.4	
03/05/2020	19:31:14	CP20300_TR03	Still	CP20300_TR03_015	119		397 534.0	7 074 196.0	397 531.2	7 074 121.5	74.5	
03/05/2020	19:31:49	CP20300_TR03	Still	CP20300_TR03_016	120		397 534.0	7 074 196.0	397 530.7	7 074 114.0	82.1	
03/05/2020	19:32:15	CP20300_TR03	Still	CP20300_TR03_017	121		397 534.0	7 074 196.0	397 532.3	7 074 108.4	87.6	
03/05/2020	19:32:39	CP20300_TR03	Still	CP20300_TR03_018	122		397 534.0	7 074 196.0	397 533.2	7 074 106.5	89.5	
03/05/2020	19:33:14	CP20300_TR03	Still	CP20300_TR03_019	123		397 534.0	7 074 196.0	397 532.6	7 074 101.0	95.0	
03/05/2020	19:33:42	CP20300_TR03	Still	CP20300_TR03_020	124		397 534.0	7 074 196.0	397 532.3	7 074 095.8	100.2	
03/05/2020	19:34:30	CP20300_TR03	Still	CP20300_TR03_021	125		397 534.0	7 074 196.0	397 532.6	7 074 087.9	108.1	
03/05/2020	19:34:40	CP20300_TR03	Still	CP20300_TR03_022	126		397 534.0	7 074 196.0	397 532.1	7 074 087.6	108.4	
03/05/2020	19:35:00	CP20300_TR03	Still	CP20300_TR03_023	127		397 534.0	7 074 196.0	397 533.1	7 074 085.1	111.0	
03/05/2020	19:35:27	CP20300_TR03	Still	CP20300_TR03_024	128		397 534.0	7 074 196.0	397 533.4	7 074 079.2	116.8	
03/05/2020	19:35:54	CP20300_TR03	Still	CP20300_TR03_025	129		397 534.0	7 074 196.0	397 533.5	7 074 075.8	120.2	
03/05/2020	19:36:03	CP20300_TR03	Still	CP20300_TR03_026	130		397 534.0	7 074 196.0	397 533.3	7 074 074.0	122.0	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	19:36:13	CP20300_TR03	Still	CP20300_TR03_027	131		397 534.0	7 074 196.0	397 532.4	7 074 072.4	123.6	
03/05/2020	19:36:26	CP20300_TR03	Still	CP20300_TR03_028	132		397 534.0	7 074 196.0	397 531.5	7 074 069.7	126.3	
03/05/2020	19:36:33	CP20300_TR03	Still	CP20300_TR03_029	133		397 534.0	7 074 196.0	397 531.5	7 074 069.7	126.3	
03/05/2020	19:36:55	CP20300_TR03	Still	CP20300_TR03_030	134		397 534.0	7 074 196.0	397 531.2	7 074 063.5	132.5	
03/05/2020	19:37:29	CP20300_TR03	Still	CP20300_TR03_031	135		397 534.0	7 074 196.0	397 535.5	7 074 057.9	138.1	
03/05/2020	19:37:47	CP20300_TR03	Still	CP20300_TR03_032	136		397 534.0	7 074 196.0	397 536.3	7 074 055.6	140.4	
03/05/2020	19:38:05	CP20300_TR03	Still	CP20300_TR03_033	137		397 534.0	7 074 196.0	397 534.1	7 074 052.2	143.8	
03/05/2020	19:38:27	CP20300_TR03	Still	CP20300_TR03_034	138		397 534.0	7 074 196.0	397 533.6	7 074 048.5	147.6	
03/05/2020	19:39:02	CP20300_TR03	Still	CP20300_TR03_035	139		397 534.0	7 074 196.0	397 534.9	7 074 044.8	151.2	
03/05/2020	19:39:51	CP20300_TR03	Still	CP20300_TR03_036	140		397 534.0	7 074 196.0	397 530.9	7 074 037.7	158.4	
03/05/2020	19:40:34	CP20300_TR03	Still	CP20300_TR03_037	141		397 534.0	7 074 196.0	397 531.4	7 074 031.7	164.3	
03/05/2020	19:41:18	CP20300_TR03	Still	CP20300_TR03_038	142		397 534.0	7 074 196.0	397 536.4	7 074 024.3	171.7	
03/05/2020	19:42:32	CP20300_TR03	Still	CP20300_TR03_039	143		397 534.0	7 074 196.0	397 537.4	7 074 015.2	180.8	
03/05/2020	19:42:56	CP20300_TR03	Still	CP20300_TR03_040	144		397 534.0	7 074 196.0	397 536.6	7 074 012.0	184.1	
03/05/2020	19:43:29	CP20300_TR03	Still	CP20300_TR03_041	145		397 534.0	7 074 196.0	397 533.9	7 074 006.5	189.5	
03/05/2020	19:44:00	CP20300_TR03	Still	CP20300_TR03_042	146		397 534.0	7 074 196.0	397 531.7	7 074 001.2	194.8	
03/05/2020	19:44:36	CP20300_TR03	Still	CP20300_TR03_043	147		397 534.0	7 074 196.0	397 530.1	7 073 995.4	200.7	
03/05/2020	19:45:02	CP20300_TR03	Still	CP20300_TR03_044	148		397 534.0	7 074 196.0	397 529.4	7 073 991.5	204.5	
03/05/2020	19:45:09	CP20300_TR03	Still	CP20300_TR03_045	149		397 534.0	7 074 196.0	397 529.4	7 073 991.0	205.0	
03/05/2020	19:45:34	CP20300_TR03	Still	CP20300_TR03_046	150		397 534.0	7 074 196.0	397 532.2	7 073 985.1	210.9	
03/05/2020	19:46:08	CP20300_TR03	Still	CP20300_TR03_047	151		397 534.0	7 074 196.0	397 533.4	7 073 979.4	216.6	
03/05/2020	19:46:22	CP20300_TR03	Still	CP20300_TR03_048	152		397 534.0	7 074 196.0	397 531.8	7 073 977.8	218.2	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	19:47:00	CP20300_TR03	Still	CP20300_TR03_049	153		397 534.0	7 074 196.0	397 531.7	7 073 971.5	224.6	
03/05/2020	19:47:31	CP20300_TR03	Still	CP20300_TR03_050	154		397 534.0	7 074 196.0	397 531.9	7 073 968.1	227.9	
03/05/2020	19:47:37	CP20300_TR03	Still	CP20300_TR03_051	155		397 534.0	7 074 196.0	397 532.4	7 073 967.3	228.7	
03/05/2020	19:47:50	CP20300_TR03	Still	CP20300_TR03_052	156		397 534.0	7 074 196.0	397 531.9	7 073 964.3	231.7	
03/05/2020	19:48:03	CP20300_TR03	Still	CP20300_TR03_053	157		397 534.0	7 074 196.0	397 530.6	7 073 962.9	233.1	
03/05/2020	19:48:28	CP20300_TR03	Still	CP20300_TR03_054	158		397 534.0	7 074 196.0	397 529.6	7 073 958.0	238.0	
03/05/2020	19:48:34	CP20300_TR03	Still	CP20300_TR03_055	159		397 534.0	7 074 196.0	397 528.8	7 073 956.8	239.2	
03/05/2020	19:49:14	CP20300_TR03	Still	CP20300_TR03_056	160		397 534.0	7 074 196.0	397 528.4	7 073 950.6	245.5	
03/05/2020	19:49:55	CP20300_TR03	Video	EOL	161	213.3	397 534.0	7 073 946.0	397 528.0	7 073 945.7	6.0	
03/05/2020	20:20:18	CP20300_TR04	Video	SOL	162	214.7	397 383.9	7 073 776.1	397 377.7	7 073 771.8	7.5	
03/05/2020	20:21:15	CP20300_TR04	Still	CP20300_TR04_001	163		397 383.9	7 073 776.1	397 380.9	7 073 779.3	4.3	
03/05/2020	20:22:01	CP20300_TR04	Still	CP20300_TR04_002	164		397 383.9	7 073 776.1	397 375.7	7 073 788.9	15.2	
03/05/2020	20:22:22	CP20300_TR04	Still	CP20300_TR04_003	166		397 383.9	7 073 776.1	397 373.9	7 073 792.5	19.2	
03/05/2020	20:22:38	CP20300_TR04	Still	CP20300_TR04_004	167		397 383.9	7 073 776.1	397 375.7	7 073 795.1	20.7	
03/05/2020	20:22:54	CP20300_TR04	Still	CP20300_TR04_005	168		397 383.9	7 073 776.1	397 377.4	7 073 798.3	23.1	
03/05/2020	20:23:07	CP20300_TR04	Still	CP20300_TR04_006	169		397 383.9	7 073 776.1	397 378.6	7 073 800.4	24.9	
03/05/2020	20:23:18	CP20300_TR04	Still	CP20300_TR04_007	170		397 383.9	7 073 776.1	397 379.8	7 073 802.4	26.6	
03/05/2020	20:23:35	CP20300_TR04	Still	CP20300_TR04_008	171		397 383.9	7 073 776.1	397 377.8	7 073 806.9	31.4	
03/05/2020	20:23:50	CP20300_TR04	Still	CP20300_TR04_009	172		397 383.9	7 073 776.1	397 375.7	7 073 811.6	36.4	
03/05/2020	20:24:21	CP20300_TR04	Still	CP20300_TR04_010	173		397 383.9	7 073 776.1	397 374.0	7 073 817.9	43.0	
03/05/2020	20:24:40	CP20300_TR04	Still	CP20300_TR04_011	174		397 383.9	7 073 776.1	397 373.3	7 073 821.7	46.8	
03/05/2020	20:24:59	CP20300_TR04	Still	CP20300_TR04_012	175		397 383.9	7 073 776.1	397 371.1	7 073 825.6	51.2	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	20:25:57	CP20300_TR04	Still	CP20300_TR04_013	176		397 383.9	7 073 776.1	397 372.6	7 073 832.5	57.5	
03/05/2020	20:26:13	CP20300_TR04	Still	CP20300_TR04_014	177		397 383.9	7 073 776.1	397 374.8	7 073 833.7	58.3	
03/05/2020	20:26:24	CP20300_TR04	Still	CP20300_TR04_015	178		397 383.9	7 073 776.1	397 376.9	7 073 836.0	60.3	
03/05/2020	20:26:59	CP20300_TR04	Still	CP20300_TR04_016	179		397 383.9	7 073 776.1	397 382.6	7 073 840.9	64.8	
03/05/2020	20:27:16	CP20300_TR04	Still	CP20300_TR04_017	180		397 383.9	7 073 776.1	397 383.5	7 073 843.9	67.8	
03/05/2020	20:27:45	CP20300_TR04	Still	CP20300_TR04_018	181		397 383.9	7 073 776.1	397 387.9	7 073 848.4	72.4	
03/05/2020	20:28:06	CP20300_TR04	Still	CP20300_TR04_019	182		397 383.9	7 073 776.1	397 392.7	7 073 849.3	73.7	
03/05/2020	20:28:27	CP20300_TR04	Still	CP20300_TR04_020	183		397 383.9	7 073 776.1	397 396.3	7 073 849.9	74.9	
03/05/2020	20:28:41	CP20300_TR04	Still	CP20300_TR04_021	184		397 383.9	7 073 776.1	397 396.2	7 073 853.8	78.6	
03/05/2020	20:28:53	CP20300_TR04	Still	CP20300_TR04_022	185		397 383.9	7 073 776.1	397 395.3	7 073 857.5	82.2	
03/05/2020	20:29:08	CP20300_TR04	Still	CP20300_TR04_023	186		397 383.9	7 073 776.1	397 395.5	7 073 859.7	84.4	
03/05/2020	20:29:38	CP20300_TR04	Still	CP20300_TR04_024	187		397 383.9	7 073 776.1	397 396.2	7 073 865.2	89.9	
03/05/2020	20:29:50	CP20300_TR04	Still	CP20300_TR04_025	188		397 383.9	7 073 776.1	397 398.0	7 073 866.2	91.2	
03/05/2020	20:30:10	CP20300_TR04	Still	CP20300_TR04_026	189		397 383.9	7 073 776.1	397 395.7	7 073 870.8	95.4	
03/05/2020	20:30:21	CP20300_TR04	Still	CP20300_TR04_027	190		397 383.9	7 073 776.1	397 393.7	7 073 872.0	96.4	
03/05/2020	20:30:32	CP20300_TR04	Still	CP20300_TR04_028	191		397 383.9	7 073 776.1	397 392.3	7 073 873.7	97.9	
03/05/2020	20:31:06	CP20300_TR04	Still	CP20300_TR04_029	192		397 383.9	7 073 776.1	397 389.7	7 073 879.8	103.9	
03/05/2020	20:31:22	CP20300_TR04	Still	CP20300_TR04_030	193		397 383.9	7 073 776.1	397 390.3	7 073 880.6	104.7	
03/05/2020	20:31:38	CP20300_TR04	Still	CP20300_TR04_031	194		397 383.9	7 073 776.1	397 390.4	7 073 883.1	107.2	
03/05/2020	20:32:06	CP20300_TR04	Still	CP20300_TR04_032	195		397 383.9	7 073 776.1	397 390.9	7 073 886.5	110.6	
03/05/2020	20:32:20	CP20300_TR04	Still	CP20300_TR04_033	196		397 383.9	7 073 776.1	397 391.0	7 073 889.0	113.1	
03/05/2020	20:32:46	CP20300_TR04	Still	CP20300_TR04_034	197		397 383.9	7 073 776.1	397 389.5	7 073 891.9	116.0	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	20:33:08	CP20300_TR04	Still	CP20300_TR04_035	198		397 383.9	7 073 776.1	397 389.9	7 073 894.6	118.7	
03/05/2020	20:33:13	CP20300_TR04	Still	CP20300_TR04_036	199		397 383.9	7 073 776.1	397 390.0	7 073 896.8	120.8	
03/05/2020	20:33:31	CP20300_TR04	Still	CP20300_TR04_037	200		397 383.9	7 073 776.1	397 390.7	7 073 898.6	122.7	
03/05/2020	20:33:39	CP20300_TR04	Still	CP20300_TR04_038	201		397 383.9	7 073 776.1	397 391.0	7 073 900.7	124.8	
03/05/2020	20:33:52	CP20300_TR04	Still	CP20300_TR04_039	202		397 383.9	7 073 776.1	397 392.1	7 073 902.3	126.5	
03/05/2020	20:34:02	CP20300_TR04	Still	CP20300_TR04_040	203		397 383.9	7 073 776.1	397 392.7	7 073 903.8	128.0	
03/05/2020	20:34:21	CP20300_TR04	Still	CP20300_TR04_041	204		397 383.9	7 073 776.1	397 395.6	7 073 904.7	129.1	
03/05/2020	20:34:42	CP20300_TR04	Still	CP20300_TR04_042	205		397 383.9	7 073 776.1	397 398.9	7 073 907.9	132.6	
03/05/2020	20:35:18	CP20300_TR04	Still	CP20300_TR04_043	206		397 383.9	7 073 776.1	397 405.7	7 073 913.3	139.0	
03/05/2020	20:35:32	CP20300_TR04	Still	CP20300_TR04_044	207		397 383.9	7 073 776.1	397 407.4	7 073 915.2	141.1	
03/05/2020	20:36:04	CP20300_TR04	Still	CP20300_TR04_045	208		397 383.9	7 073 776.1	397 414.2	7 073 918.5	145.6	
03/05/2020	20:36:17	CP20300_TR04	Still	CP20300_TR04_046	209		397 383.9	7 073 776.1	397 417.0	7 073 920.2	147.9	
03/05/2020	20:36:44	CP20300_TR04	Still	CP20300_TR04_047	210		397 383.9	7 073 776.1	397 413.4	7 073 924.8	151.6	
03/05/2020	20:36:58	CP20300_TR04	Still	CP20300_TR04_048	211		397 383.9	7 073 776.1	397 413.1	7 073 927.7	154.4	
03/05/2020	20:37:07	CP20300_TR04	Still	CP20300_TR04_049	212		397 383.9	7 073 776.1	397 412.9	7 073 929.6	156.2	
03/05/2020	20:37:26	CP20300_TR04	Still	CP20300_TR04_050	213		397 383.9	7 073 776.1	397 412.0	7 073 933.2	159.6	
03/05/2020	20:37:38	CP20300_TR04	Still	CP20300_TR04_051	214		397 383.9	7 073 776.1	397 411.3	7 073 937.0	163.2	
03/05/2020	20:37:56	CP20300_TR04	Still	CP20300_TR04_052	215		397 383.9	7 073 776.1	397 409.8	7 073 939.8	165.7	
03/05/2020	20:38:22	CP20300_TR04	Still	CP20300_TR04_053	216		397 383.9	7 073 776.1	397 408.3	7 073 945.4	171.0	
03/05/2020	20:38:45	CP20300_TR04	Still	CP20300_TR04_054	217		397 383.9	7 073 776.1	397 407.0	7 073 949.9	175.4	
03/05/2020	20:39:18	CP20300_TR04	Still	CP20300_TR04_055	218		397 383.9	7 073 776.1	397 407.0	7 073 956.0	181.3	
03/05/2020	20:39:35	CP20300_TR04	Still	CP20300_TR04_056	219		397 383.9	7 073 776.1	397 408.8	7 073 958.9	184.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
03/05/2020	20:39:52	CP20300_TR04	Still	CP20300_TR04_057	220		397 383.9	7 073 776.1	397 409.7	7 073 963.1	188.8	
03/05/2020	20:39:59	CP20300_TR04	Still	CP20300_TR04_058	221		397 383.9	7 073 776.1	397 410.7	7 073 964.3	190.1	
03/05/2020	20:40:12	CP20300_TR04	Still	CP20300_TR04_059	222		397 383.9	7 073 776.1	397 411.5	7 073 965.4	191.3	
03/05/2020	20:40:24	CP20300_TR04	Still	CP20300_TR04_060	223		397 383.9	7 073 776.1	397 412.5	7 073 967.4	193.4	
03/05/2020	20:40:34	CP20300_TR04	Still	CP20300_TR04_061	224		397 383.9	7 073 776.1	397 411.2	7 073 968.8	194.6	
03/05/2020	20:40:39	CP20300_TR04	Still	CP20300_TR04_062	225		397 383.9	7 073 776.1	397 410.1	7 073 969.3	182.1	
03/05/2020	20:40:44	CP20300_TR04	Still	CP20300_TR04_063	226		397 383.9	7 073 776.1	397 410.2	7 073 968.8	194.5	
03/05/2020	20:41:11	CP20300_TR04	Still	CP20300_TR04_064	227		397 383.9	7 073 776.1	397 412.9	7 073 970.7	196.8	
03/05/2020	20:41:29	CP20300_TR04	Still	CP20300_TR04_065	228		397 383.9	7 073 776.1	397 417.0	7 073 973.4	200.1	
03/05/2020	20:41:42	CP20300_TR04	Still	CP20300_TR04_066	229		397 383.9	7 073 776.1	397 418.5	7 073 972.5	199.5	
03/05/2020	20:41:51	CP20300_TR04	Still	CP20300_TR04_067	230		397 383.9	7 073 776.1	397 421.5	7 073 974.6	202.0	
03/05/2020	20:42:09	CP20300_TR04	Still	CP20300_TR04_068	231		397 383.9	7 073 776.1	397 423.1	7 073 977.6	205.3	
03/05/2020	20:42:44	CP20300_TR04	Still	CP20300_TR04_069	232		397 383.9	7 073 776.1	397 430.3	7 073 981.5	210.5	
03/05/2020	20:43:29	CP20300_TR04	Still	CP20300_TR04_070	233		397 383.9	7 073 776.1	397 430.1	7 073 987.3	216.2	
03/05/2020	20:43:41	CP20300_TR04	Still	CP20300_TR04_071	234		397 383.9	7 073 776.1	397 431.5	7 073 988.5	217.7	
03/05/2020	20:44:35	CP20300_TR04	Still	CP20300_TR04_072	235		397 383.9	7 073 776.1	397 441.1	7 073 991.7	223.0	
03/05/2020	20:44:58	CP20300_TR04	Video	EOL	236	214.8	397 441.1	7 073 992.4	397 443.3	7 073 993.1	2.3	
04/05/2020	12:22:43	CP20300_TR05	Video	SOL	237	213.4	397 162.5	7 073 213.2	397 157.0	7 073 208.0	7.6	
04/05/2020	12:23:16	CP20300_TR05	Still	CP20300_TR05_001	238		397 162.5	7 073 213.2	397 158.4	7 073 210.0	5.2	
04/05/2020	12:23:52	CP20300_TR05	Still	CP20300_TR05_002	239		397 162.5	7 073 213.2	397 163.7	7 073 223.1	9.9	
04/05/2020	12:24:48	CP20300_TR05	Still	CP20300_TR05_003	240		397 162.5	7 073 213.2	397 162.3	7 073 228.7	10.1	
04/05/2020	12:25:32	CP20300_TR05	Still	CP20300_TR05_004	241		397 162.5	7 073 213.2	397 160.6	7 073 231.2	18.1	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	12:26:09	CP20300_TR05	Still	CP20300_TR05_005	242		397 162.5	7 073 213.2	397 159.1	7 073 236.4	23.4	
04/05/2020	12:26:35	CP20300_TR05	Still	CP20300_TR05_006	243		397 162.5	7 073 213.2	397 159.9	7 073 239.0	25.9	
04/05/2020	12:26:52	CP20300_TR05	Still	CP20300_TR05_007	244		397 162.5	7 073 213.2	397 162.0	7 073 241.3	28.1	
04/05/2020	12:27:13	CP20300_TR05	Still	CP20300_TR05_008	245		397 162.5	7 073 213.2	397 164.6	7 073 243.8	30.6	
04/05/2020	12:27:58	CP20300_TR05	Still	CP20300_TR05_009	246		397 162.5	7 073 213.2	397 163.1	7 073 250.0	36.8	
04/05/2020	12:28:22	CP20300_TR05	Still	CP20300_TR05_010	247		397 162.5	7 073 213.2	397 165.1	7 073 252.2	39.1	
04/05/2020	12:28:47	CP20300_TR05	Still	CP20300_TR05_011	248		397 162.5	7 073 213.2	397 170.0	7 073 255.1	42.6	
04/05/2020	12:29:15	CP20300_TR05	Still	CP20300_TR05_012	249		397 162.5	7 073 213.2	397 174.0	7 073 258.0	46.3	
04/05/2020	12:29:38	CP20300_TR05	Still	CP20300_TR05_013	250		397 162.5	7 073 213.2	397 178.3	7 073 262.4	51.7	
04/05/2020	12:30:12	CP20300_TR05	Still	CP20300_TR05_014	251		397 162.5	7 073 213.2	397 177.4	7 073 268.3	58.4	
04/05/2020	12:30:27	CP20300_TR05	Still	CP20300_TR05_015	252		397 162.5	7 073 213.2	397 175.2	7 073 270.2	58.4	
04/05/2020	12:30:41	CP20300_TR05	Still	CP20300_TR05_016	253		397 162.5	7 073 213.2	397 175.0	7 073 271.6	59.7	
04/05/2020	12:30:54	CP20300_TR05	Still	CP20300_TR05_017	254		397 162.5	7 073 213.2	397 174.6	7 073 273.7	61.7	
04/05/2020	12:31:09	CP20300_TR05	Still	CP20300_TR05_018	255		397 162.5	7 073 213.2	397 174.9	7 073 277.1	65.1	
04/05/2020	12:31:23	CP20300_TR05	Still	CP20300_TR05_019	256		397 162.5	7 073 213.2	397 174.9	7 073 279.5	67.4	
04/05/2020	12:31:37	CP20300_TR05	Still	CP20300_TR05_020	257		397 162.5	7 073 213.2	397 174.3	7 073 279.8	67.7	
04/05/2020	12:32:07	CP20300_TR05	Still	CP20300_TR05_021	258		397 162.5	7 073 213.2	397 175.2	7 073 283.1	71.1	
04/05/2020	12:32:24	CP20300_TR05	Still	CP20300_TR05_022	259		397 162.5	7 073 213.2	397 175.1	7 073 285.9	73.8	
04/05/2020	12:32:36	CP20300_TR05	Still	CP20300_TR05_023	260		397 162.5	7 073 213.2	397 175.1	7 073 287.3	75.1	
04/05/2020	12:32:56	CP20300_TR05	Still	CP20300_TR05_024	261		397 162.5	7 073 213.2	397 174.2	7 073 290.4	78.1	
04/05/2020	12:33:03	CP20300_TR05	Still	CP20300_TR05_025	262		397 162.5	7 073 213.2	397 174.0	7 073 291.6	79.2	
04/05/2020	12:33:22	CP20300_TR05	Still	CP20300_TR05_026	263		397 162.5	7 073 213.2	397 174.2	7 073 294.6	82.3	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	12:33:55	CP20300_TR05	Still	CP20300_TR05_027	264		397 162.5	7 073 213.2	397 174.4	7 073 296.8	84.5	
04/05/2020	12:34:12	CP20300_TR05	Still	CP20300_TR05_028	265		397 162.5	7 073 213.2	397 177.9	7 073 299.3	87.4	
04/05/2020	12:34:40	CP20300_TR05	Still	CP20300_TR05_029	266		397 162.5	7 073 213.2	397 184.0	7 073 302.7	92.1	
04/05/2020	12:34:49	CP20300_TR05	Still	CP20300_TR05_030	267		397 162.5	7 073 213.2	397 185.4	7 073 302.8	92.4	
04/05/2020	12:35:09	CP20300_TR05	Still	CP20300_TR05_031	268		397 162.5	7 073 213.2	397 191.8	7 073 304.1	95.6	
04/05/2020	12:35:33	CP20300_TR05	Still	CP20300_TR05_032	269		397 162.5	7 073 213.2	397 199.0	7 073 305.9	99.6	
04/05/2020	12:35:59	CP20300_TR05	Still	CP20300_TR05_033	270		397 162.5	7 073 213.2	397 203.6	7 073 306.5	101.9	
04/05/2020	12:36:13	CP20300_TR05	Still	CP20300_TR05_034	271		397 162.5	7 073 213.2	397 205.7	7 073 307.9	104.1	
04/05/2020	12:36:50	CP20300_TR05	Still	CP20300_TR05_035	272		397 162.5	7 073 213.2	397 209.9	7 073 309.2	107.1	
04/05/2020	12:37:18	CP20300_TR05	Still	CP20300_TR05_036	273		397 162.5	7 073 213.2	397 208.7	7 073 315.1	111.9	
04/05/2020	12:37:30	CP20300_TR05	Still	CP20300_TR05_037	274		397 162.5	7 073 213.2	397 208.1	7 073 317.7	114.0	
04/05/2020	12:37:52	CP20300_TR05	Still	CP20300_TR05_038	275		397 162.5	7 073 213.2	397 204.9	7 073 320.7	115.5	
04/05/2020	12:38:06	CP20300_TR05	Still	CP20300_TR05_039	276		397 162.5	7 073 213.2	397 204.0	7 073 322.5	116.9	
04/05/2020	12:38:35	CP20300_TR05	Still	CP20300_TR05_040	277		397 162.5	7 073 213.2	397 203.7	7 073 328.2	122.1	
04/05/2020	12:39:02	CP20300_TR05	Still	CP20300_TR05_041	278		397 162.5	7 073 213.2	397 207.9	7 073 334.5	129.5	
04/05/2020	12:39:44	CP20300_TR05	Still	CP20300_TR05_042	279		397 162.5	7 073 213.2	397 202.8	7 073 343.4	136.3	
04/05/2020	12:40:03	CP20300_TR05	Still	CP20300_TR05_043	280		397 162.5	7 073 213.2	397 199.6	7 073 347.2	139.1	
04/05/2020	12:40:43	CP20300_TR05	Still	CP20300_TR05_044	281		397 162.5	7 073 213.2	397 206.1	7 073 351.0	144.5	
04/05/2020	12:41:10	CP20300_TR05	Still	CP20300_TR05_045	282		397 162.5	7 073 213.2	397 213.3	7 073 351.3	147.2	
04/05/2020	12:41:27	CP20300_TR05	Still	CP20300_TR05_046	283		397 162.5	7 073 213.2	397 218.4	7 073 352.3	149.9	
04/05/2020	12:41:47	CP20300_TR05	Still	CP20300_TR05_047	284		397 162.5	7 073 213.2	397 223.5	7 073 354.4	153.8	
04/05/2020	12:42:09	CP20300_TR05	Still	CP20300_TR05_048	285		397 162.5	7 073 213.2	397 224.0	7 073 357.6	156.9	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	12:42:39	CP20300_TR05	Still	CP20300_TR05_049	286		397 162.5	7 073 213.2	397 222.6	7 073 362.5	161.0	
04/05/2020	12:42:56	CP20300_TR05	Still	CP20300_TR05_050	287		397 162.5	7 073 213.2	397 220.9	7 073 366.2	163.8	
04/05/2020	12:43:24	CP20300_TR05	Still	CP20300_TR05_051	288		397 162.5	7 073 213.2	397 216.6	7 073 371.0	166.8	
04/05/2020	12:43:37	CP20300_TR05	Still	CP20300_TR05_052	289		397 162.5	7 073 213.2	397 215.1	7 073 375.1	170.2	
04/05/2020	12:43:53	CP20300_TR05	Still	CP20300_TR05_053	290		397 162.5	7 073 213.2	397 213.1	7 073 376.6	171.1	
04/05/2020	12:44:25	CP20300_TR05	Still	CP20300_TR05_054	291		397 162.5	7 073 213.2	397 213.0	7 073 382.7	176.9	
04/05/2020	12:44:43	CP20300_TR05	Still	CP20300_TR05_055	292		397 162.5	7 073 213.2	397 214.3	7 073 387.9	182.2	
04/05/2020	12:45:02	CP20300_TR05	Video	EOL	293	213.4	397 213.5	7 073 390.7	397 212.8	7 073 390.8	0.7	
04/05/2020	13:29:19	CP20300_TR06	Video	SOL	294	211.7	397 217.4	7 074 294.2	397 214.4	7 074 294.2	3.0	
04/05/2020	13:29:54	CP20300_TR06	Still	CP20300_TR06_001	295		397 217.4	7 074 294.2	397 219.2	7 074 295.9	2.4	
04/05/2020	13:30:32	CP20300_TR06	Still	CP20300_TR06_002	296		397 217.4	7 074 294.2	397 220.3	7 074 304.3	10.5	
04/05/2020	13:30:50	CP20300_TR06	Still	CP20300_TR06_003	297		397 217.4	7 074 294.2	397 220.9	7 074 308.8	15.1	
04/05/2020	13:31:15	CP20300_TR06	Still	CP20300_TR06_004	298		397 217.4	7 074 294.2	397 224.0	7 074 311.6	18.6	
04/05/2020	13:31:41	CP20300_TR06	Still	CP20300_TR06_005	299		397 217.4	7 074 294.2	397 231.6	7 074 314.6	24.9	
04/05/2020	13:31:51	CP20300_TR06	Still	CP20300_TR06_006	300		397 217.4	7 074 294.2	397 233.4	7 074 315.3	26.5	
04/05/2020	13:31:59	CP20300_TR06	Still	CP20300_TR06_007	301		397 217.4	7 074 294.2	397 234.1	7 074 317.1	28.3	
04/05/2020	13:32:29	CP20300_TR06	Still	CP20300_TR06_008	302		397 217.4	7 074 294.2	397 238.1	7 074 325.1	37.2	
04/05/2020	13:32:42	CP20300_TR06	Still	CP20300_TR06_009	303		397 217.4	7 074 294.2	397 237.9	7 074 329.7	41.0	
04/05/2020	13:33:28	CP20300_TR06	Still	CP20300_TR06_010	304		397 217.4	7 074 294.2	397 251.2	7 074 321.7	43.6	
04/05/2020	13:33:50	CP20300_TR06	Still	CP20300_TR06_011	305		397 217.4	7 074 294.2	397 258.3	7 074 318.3	47.4	
04/05/2020	13:34:02	CP20300_TR06	Still	CP20300_TR06_012	306		397 217.4	7 074 294.2	397 262.0	7 074 315.7	49.5	
04/05/2020	13:34:13	CP20300_TR06	Still	CP20300_TR06_013	307		397 217.4	7 074 294.2	397 263.9	7 074 314.9	50.9	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	13:34:31	CP20300_TR06	Still	CP20300_TR06_014	308		397 217.4	7 074 294.2	397 268.5	7 074 312.8	54.4	
04/05/2020	13:34:52	CP20300_TR06	Still	CP20300_TR06_015	309		397 217.4	7 074 294.2	397 274.1	7 074 310.9	59.1	
04/05/2020	13:35:11	CP20300_TR06	Still	CP20300_TR06_016	310		397 217.4	7 074 294.2	397 275.0	7 074 318.2	62.4	
04/05/2020	13:35:21	CP20300_TR06	Still	CP20300_TR06_017	311		397 217.4	7 074 294.2	397 275.1	7 074 320.9	63.5	
04/05/2020	13:35:50	CP20300_TR06	Still	CP20300_TR06_018	312		397 217.4	7 074 294.2	397 277.4	7 074 327.1	68.4	
04/05/2020	13:36:10	CP20300_TR06	Still	CP20300_TR06_019	313		397 217.4	7 074 294.2	397 281.7	7 074 329.5	73.4	
04/05/2020	13:36:43	CP20300_TR06	Still	CP20300_TR06_020	314		397 217.4	7 074 294.2	397 282.8	7 074 334.8	77.0	
04/05/2020	13:37:04	CP20300_TR06	Still	CP20300_TR06_021	315		397 217.4	7 074 294.2	397 287.3	7 074 339.5	83.3	
04/05/2020	13:37:30	CP20300_TR06	Still	CP20300_TR06_022	316		397 217.4	7 074 294.2	397 288.3	7 074 346.7	88.3	
04/05/2020	13:37:56	CP20300_TR06	Still	CP20300_TR06_023	317		397 217.4	7 074 294.2	397 292.3	7 074 347.5	91.9	
04/05/2020	13:38:17	CP20300_TR06	Still	CP20300_TR06_024	318		397 217.4	7 074 294.2	397 296.8	7 074 344.3	93.8	
04/05/2020	13:38:25	CP20300_TR06	Still	CP20300_TR06_025	319		397 217.4	7 074 294.2	397 297.8	7 074 343.4	94.3	
04/05/2020	13:38:30	CP20300_TR06	Still	CP20300_TR06_026	320		397 217.4	7 074 294.2	397 299.0	7 074 342.2	94.6	
04/05/2020	13:38:36	CP20300_TR06	Still	CP20300_TR06_027	321		397 217.4	7 074 294.2	397 299.8	7 074 341.4	94.9	
04/05/2020	13:38:48	CP20300_TR06	Still	CP20300_TR06_028	322		397 217.4	7 074 294.2	397 301.5	7 074 340.4	96.0	
04/05/2020	13:39:11	CP20300_TR06	Still	CP20300_TR06_029	323		397 217.4	7 074 294.2	397 304.6	7 074 338.1	97.7	
04/05/2020	13:39:36	CP20300_TR06	Still	CP20300_TR06_030	324		397 217.4	7 074 294.2	397 310.3	7 074 336.4	102.1	
04/05/2020	13:39:54	CP20300_TR06	Still	CP20300_TR06_031	325		397 217.4	7 074 294.2	397 319.9	7 074 337.2	111.1	
04/05/2020	13:40:10	CP20300_TR06	Still	CP20300_TR06_032	326		397 217.4	7 074 294.2	397 321.4	7 074 337.6	112.6	
04/05/2020	13:40:23	CP20300_TR06	Still	CP20300_TR06_033	327		397 217.4	7 074 294.2	397 322.6	7 074 334.2	112.6	
04/05/2020	13:40:34	CP20300_TR06	Still	CP20300_TR06_034	328		397 217.4	7 074 294.2	397 324.2	7 074 333.2	113.7	
04/05/2020	13:40:51	CP20300_TR06	Still	CP20300_TR06_035	329		397 217.4	7 074 294.2	397 328.1	7 074 332.6	117.1	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	13:41:00	CP20300_TR06	Still	CP20300_TR06_036	330		397 217.4	7 074 294.2	397 329.3	7 074 335.6	119.3	
04/05/2020	13:41:26	CP20300_TR06	Still	CP20300_TR06_037	331		397 217.4	7 074 294.2	397 330.5	7 074 341.6	122.6	
04/05/2020	13:41:52	CP20300_TR06	Still	CP20300_TR06_038	332		397 217.4	7 074 294.2	397 333.1	7 074 345.6	126.6	
04/05/2020	13:42:12	CP20300_TR06	Still	CP20300_TR06_039	333		397 217.4	7 074 294.2	397 335.3	7 074 351.1	130.9	
04/05/2020	13:42:32	CP20300_TR06	Still	CP20300_TR06_040	334		397 217.4	7 074 294.2	397 336.3	7 074 355.9	134.0	
04/05/2020	13:42:44	CP20300_TR06	Still	CP20300_TR06_041	335		397 217.4	7 074 294.2	397 337.8	7 074 359.3	136.9	
04/05/2020	13:43:14	CP20300_TR06	Still	CP20300_TR06_042	336		397 217.4	7 074 294.2	397 339.6	7 074 366.2	141.8	
04/05/2020	13:43:56	CP20300_TR06	Still	CP20300_TR06_043	337		397 217.4	7 074 294.2	397 348.5	7 074 365.0	149.0	
04/05/2020	13:44:10	CP20300_TR06	Still	CP20300_TR06_044	338		397 217.4	7 074 294.2	397 353.2	7 074 364.7	153.0	
04/05/2020	13:44:33	CP20300_TR06	Still	CP20300_TR06_045	339		397 217.4	7 074 294.2	397 359.9	7 074 364.4	158.9	
04/05/2020	13:44:57	CP20300_TR06	Still	CP20300_TR06_046	340		397 217.4	7 074 294.2	397 366.4	7 074 363.5	164.4	
04/05/2020	13:45:02	CP20300_TR06	Still	CP20300_TR06_047	341		397 217.4	7 074 294.2	397 367.5	7 074 362.7	165.0	
04/05/2020	13:45:18	CP20300_TR06	Still	CP20300_TR06_048	342		397 217.4	7 074 294.2	397 371.1	7 074 361.1	167.7	
04/05/2020	13:45:25	CP20300_TR06	Still	CP20300_TR06_049	343		397 217.4	7 074 294.2	397 372.7	7 074 360.6	168.9	
04/05/2020	13:45:54	CP20300_TR06	Still	CP20300_TR06_050	344		397 217.4	7 074 294.2	397 377.4	7 074 361.1	173.4	
04/05/2020	13:46:05	CP20300_TR06	Still	CP20300_TR06_051	345		397 217.4	7 074 294.2	397 378.7	7 074 361.7	174.9	
04/05/2020	13:46:33	CP20300_TR06	Still	CP20300_TR06_052	346		397 217.4	7 074 294.2	397 385.7	7 074 363.2	181.9	
04/05/2020	13:46:50	CP20300_TR06	Video	EOL	347	213.8	397 387.6	7 074 363.0	397 389.5	7 074 363.7	2.1	
04/05/2020	14:31:38	CP20300_TR09	Video	SOL	348	211.6	397 786.2	7 074 710.8	397 785.0	7 074 706.7	4.2	
04/05/2020	14:32:18	CP20300_TR09	Still	CP20300_TR09_001	349		397 786.2	7 074 710.8	397 786.8	7 074 714.0	3.2	
04/05/2020	14:32:37	CP20300_TR09	Still	CP20300_TR09_002	350		397 786.2	7 074 710.8	397 785.7	7 074 719.6	8.8	
04/05/2020	14:33:05	CP20300_TR09	Still	CP20300_TR09_003	351		397 786.2	7 074 710.8	397 786.7	7 074 724.3	13.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	14:33:46	CP20300_TR09	Still	CP20300_TR09_004	352		397 786.2	7 074 710.8	397 785.6	7 074 732.5	21.7	
04/05/2020	14:33:59	CP20300_TR09	Still	CP20300_TR09_005	353		397 786.2	7 074 710.8	397 785.5	7 074 733.3	22.5	
04/05/2020	14:34:28	CP20300_TR09	Still	CP20300_TR09_006	354		397 786.2	7 074 710.8	397 784.1	7 074 737.8	27.1	
04/05/2020	14:35:00	CP20300_TR09	Still	CP20300_TR09_007	355		397 786.2	7 074 710.8	397 784.6	7 074 741.6	30.9	
04/05/2020	14:35:29	CP20300_TR09	Still	CP20300_TR09_008	356		397 786.2	7 074 710.8	397 783.8	7 074 744.8	34.1	
04/05/2020	14:35:54	CP20300_TR09	Still	CP20300_TR09_009	357		397 786.2	7 074 710.8	397 783.3	7 074 749.8	39.1	
04/05/2020	14:36:38	CP20300_TR09	Still	CP20300_TR09_010	358		397 786.2	7 074 710.8	397 781.7	7 074 754.6	44.0	
04/05/2020	14:36:56	CP20300_TR09	Still	CP20300_TR09_011	359		397 786.2	7 074 710.8	397 781.6	7 074 756.8	46.2	
04/05/2020	14:37:48	CP20300_TR09	Still	CP20300_TR09_012	360		397 786.2	7 074 710.8	397 780.2	7 074 766.1	55.6	
04/05/2020	14:38:14	CP20300_TR09	Still	CP20300_TR09_013	361		397 786.2	7 074 710.8	397 780.3	7 074 769.7	59.2	
04/05/2020	14:38:57	CP20300_TR09	Still	CP20300_TR09_014	362		397 786.2	7 074 710.8	397 778.5	7 074 773.2	62.9	
04/05/2020	14:39:33	CP20300_TR09	Still	CP20300_TR09_015	363		397 786.2	7 074 710.8	397 779.2	7 074 775.3	64.8	
04/05/2020	14:39:33	CP20300_TR09	Still	CP20300_TR09_016	No fix		397 786.2	7 074 710.8	397 779.2	7 074 775.3	64.8	
04/05/2020	14:40:05	CP20300_TR09	Still	CP20300_TR09_017	364		397 786.2	7 074 710.8	397 792.4	7 074 777.8	67.3	
04/05/2020	14:40:14	CP20300_TR09	Still	CP20300_TR09_018	365		397 786.2	7 074 710.8	397 794.9	7 074 779.1	68.9	
04/05/2020	14:40:24	CP20300_TR09	Still	CP20300_TR09_019	366		397 786.2	7 074 710.8	397 797.7	7 074 780.5	70.6	
04/05/2020	14:40:38	CP20300_TR09	Still	CP20300_TR09_020	367		397 786.2	7 074 710.8	397 802.6	7 074 782.7	73.7	
04/05/2020	14:40:58	CP20300_TR09	Still	CP20300_TR09_021	368		397 786.2	7 074 710.8	397 809.2	7 074 784.6	77.3	
04/05/2020	14:41:07	CP20300_TR09	Still	CP20300_TR09_022	369		397 786.2	7 074 710.8	397 812.2	7 074 784.8	78.4	
04/05/2020	14:41:42	CP20300_TR09	Still	CP20300_TR09_023	370		397 786.2	7 074 710.8	397 820.0	7 074 789.0	85.2	
04/05/2020	14:42:03	CP20300_TR09	Still	CP20300_TR09_024	371		397 786.2	7 074 710.8	397 823.4	7 074 793.7	90.8	
04/05/2020	14:42:27	CP20300_TR09	Still	CP20300_TR09_025	372		397 786.2	7 074 710.8	397 819.2	7 074 801.5	96.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	14:42:49	CP20300_TR09	Still	CP20300_TR09_026	373		397 786.2	7 074 710.8	397 817.6	7 074 806.7	100.9	
04/05/2020	14:43:00	CP20300_TR09	Still	CP20300_TR09_027	374		397 786.2	7 074 710.8	397 816.8	7 074 808.3	102.2	
04/05/2020	14:43:14	CP20300_TR09	Still	CP20300_TR09_028	375		397 786.2	7 074 710.8	397 816.3	7 074 812.9	106.4	
04/05/2020	14:43:45	CP20300_TR09	Still	CP20300_TR09_029	376		397 786.2	7 074 710.8	397 814.8	7 074 821.1	114.0	
04/05/2020	14:43:57	CP20300_TR09	Still	CP20300_TR09_030	377		397 786.2	7 074 710.8	397 814.5	7 074 821.9	114.7	
04/05/2020	14:44:29	CP20300_TR09	Still	CP20300_TR09_031	378		397 786.2	7 074 710.8	397 812.1	7 074 830.0	122.0	
04/05/2020	14:44:52	CP20300_TR09	Still	CP20300_TR09_032	379		397 786.2	7 074 710.8	397 812.6	7 074 833.9	125.9	
04/05/2020	14:45:09	CP20300_TR09	Still	CP20300_TR09_033	380		397 786.2	7 074 710.8	397 812.1	7 074 836.7	128.5	
04/05/2020	14:45:18	CP20300_TR09	Still	CP20300_TR09_034	381		397 786.2	7 074 710.8	397 812.3	7 074 838.8	130.7	
04/05/2020	14:45:40	CP20300_TR09	Still	CP20300_TR09_035	382		397 786.2	7 074 710.8	397 811.5	7 074 841.3	132.9	
04/05/2020	14:45:54	CP20300_TR09	Still	CP20300_TR09_036	383		397 786.2	7 074 710.8	397 811.8	7 074 843.4	135.1	
04/05/2020	14:46:29	CP20300_TR09	Still	CP20300_TR09_037	384		397 786.2	7 074 710.8	397 813.8	7 074 848.4	140.3	
04/05/2020	14:46:44	CP20300_TR09	Still	CP20300_TR09_038	385		397 786.2	7 074 710.8	397 817.8	7 074 847.7	140.5	
04/05/2020	14:47:45	CP20300_TR09	Still	CP20300_TR09_039	386		397 786.2	7 074 710.8	397 829.5	7 074 854.3	150.0	
04/05/2020	14:47:58	CP20300_TR09	Still	CP20300_TR09_040	387		397 786.2	7 074 710.8	397 830.5	7 074 855.9	151.7	
04/05/2020	14:48:29	CP20300_TR09	Still	CP20300_TR09_041	388		397 786.2	7 074 710.8	397 835.3	7 074 859.2	156.3	
04/05/2020	14:48:39	CP20300_TR09	Still	CP20300_TR09_042	389		397 786.2	7 074 710.8	397 836.4	7 074 859.5	156.9	
04/05/2020	14:48:52	CP20300_TR09	Still	CP20300_TR09_043	390		397 786.2	7 074 710.8	397 839.1	7 074 859.8	158.1	
04/05/2020	14:48:59	CP20300_TR09	Still	CP20300_TR09_044	391		397 786.2	7 074 710.8	397 839.9	7 074 860.1	158.7	
04/05/2020	14:49:07	CP20300_TR09	Still	CP20300_TR09_045	392		397 786.2	7 074 710.8	397 842.0	7 074 860.3	159.5	
04/05/2020	14:49:26	CP20300_TR09	Still	CP20300_TR09_046	394		397 786.2	7 074 710.8	397 844.9	7 074 862.5	162.6	
04/05/2020	14:49:40	CP20300_TR09	Still	CP20300_TR09_047	395		397 786.2	7 074 710.8	397 846.8	7 074 864.9	165.6	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	14:49:47	CP20300_TR09	Still	CP20300_TR09_048	396		397 786.2	7 074 710.8	397 847.0	7 074 865.7	166.4	
04/05/2020	14:50:04	CP20300_TR09	Still	CP20300_TR09_049	398		397 786.2	7 074 710.8	397 848.7	7 074 867.9	169.0	
04/05/2020	14:50:32	CP20300_TR09	Still	CP20300_TR09_050	400		397 786.2	7 074 710.8	397 852.4	7 074 871.4	173.8	
04/05/2020	14:50:46	CP20300_TR09	Still	CP20300_TR09_051	401		397 786.2	7 074 710.8	397 851.2	7 074 874.9	176.5	
04/05/2020	14:51:04	CP20300_TR09	Still	CP20300_TR09_052	402		397 786.2	7 074 710.8	397 848.5	7 074 879.2	179.5	
04/05/2020	14:51:12	CP20300_TR09	Still	CP20300_TR09_053	403		397 786.2	7 074 710.8	397 847.4	7 074 881.1	181.0	
04/05/2020	14:51:30	CP20300_TR09	Still	CP20300_TR09_054	404		397 786.2	7 074 710.8	397 844.0	7 074 884.3	182.9	
04/05/2020	14:51:49	CP20300_TR09	Still	CP20300_TR09_055	405		397 786.2	7 074 710.8	397 841.3	7 074 886.5	184.1	
04/05/2020	14:52:12	CP20300_TR09	Still	CP20300_TR09_056	406		397 786.2	7 074 710.8	397 841.0	7 074 893.7	190.9	
04/05/2020	14:52:38	CP20300_TR09	Still	CP20300_TR09_057	407		397 786.2	7 074 710.8	397 842.1	7 074 897.7	195.1	
04/05/2020	14:53:01	CP20300_TR09	Still	CP20300_TR09_058	408		397 786.2	7 074 710.8	397 841.6	7 074 902.4	199.4	
04/05/2020	14:53:16	CP20300_TR09	Video	EOL	409	209.1	397 842.2	7 074 904.3	397 842.9	7 074 906.1	1.9	
04/05/2020	15:43:49	CP20300_TR07	Video	SOL	410	209.5	398 206.8	7 075 455.5	398 203.9	7 075 452.4	4.3	
04/05/2020	15:44:11	CP20300_TR07	Still	CP20300_TR07_001	411		398 206.8	7 075 455.5	398 204.3	7 075 454.6	2.6	
04/05/2020	15:44:46	CP20300_TR07	Still	CP20300_TR07_002	412		398 206.8	7 075 455.5	398 206.3	7 075 456.7	1.3	
04/05/2020	15:45:13	CP20300_TR07	Still	CP20300_TR07_003	413		398 206.8	7 075 455.5	398 208.8	7 075 459.8	4.7	
04/05/2020	15:45:29	CP20300_TR07	Still	CP20300_TR07_004	414		398 206.8	7 075 455.5	398 211.2	7 075 462.7	8.5	
04/05/2020	15:46:00	CP20300_TR07	Still	CP20300_TR07_005	415		398 206.8	7 075 455.5	398 213.4	7 075 467.5	13.7	
04/05/2020	15:46:22	CP20300_TR07	Still	CP20300_TR07_006	416		398 206.8	7 075 455.5	398 214.2	7 075 471.0	17.2	
04/05/2020	15:46:45	CP20300_TR07	Still	CP20300_TR07_007	417		398 206.8	7 075 455.5	398 215.8	7 075 473.4	20.0	
04/05/2020	15:46:58	CP20300_TR07	Still	CP20300_TR07_008	418		398 206.8	7 075 455.5	398 217.1	7 075 474.7	21.8	
04/05/2020	15:47:17	CP20300_TR07	Still	CP20300_TR07_009	419		398 206.8	7 075 455.5	398 218.8	7 075 476.8	24.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	15:47:29	CP20300_TR07	Still	CP20300_TR07_010	420		398 206.8	7 075 455.5	398 220.4	7 075 478.0	26.3	
04/05/2020	15:47:35	CP20300_TR07	Still	CP20300_TR07_011	421		398 206.8	7 075 455.5	398 221.0	7 075 478.7	27.2	
04/05/2020	15:48:04	CP20300_TR07	Still	CP20300_TR07_012	422		398 206.8	7 075 455.5	398 224.5	7 075 482.6	32.4	
04/05/2020	15:48:17	CP20300_TR07	Still	CP20300_TR07_013	423		398 206.8	7 075 455.5	398 225.2	7 075 485.5	35.2	
04/05/2020	15:48:30	CP20300_TR07	Still	CP20300_TR07_014	424		398 206.8	7 075 455.5	398 225.4	7 075 486.6	36.2	
04/05/2020	15:48:56	CP20300_TR07	Still	CP20300_TR07_015	425		398 206.8	7 075 455.5	398 225.7	7 075 490.2	39.5	
04/05/2020	15:49:18	CP20300_TR07	Still	CP20300_TR07_016	426		398 206.8	7 075 455.5	398 226.9	7 075 492.6	42.1	
04/05/2020	15:49:28	CP20300_TR07	Still	CP20300_TR07_017	427		398 206.8	7 075 455.5	398 227.7	7 075 493.0	42.9	
04/05/2020	15:49:58	CP20300_TR07	Still	CP20300_TR07_018	428		398 206.8	7 075 455.5	398 230.2	7 075 497.6	48.2	
04/05/2020	15:50:27	CP20300_TR07	Still	CP20300_TR07_019	429		398 206.8	7 075 455.5	398 232.5	7 075 501.6	52.8	
04/05/2020	15:50:43	CP20300_TR07	Still	CP20300_TR07_020	430		398 206.8	7 075 455.5	398 233.4	7 075 503.0	54.5	
04/05/2020	15:50:59	CP20300_TR07	Still	CP20300_TR07_021	431		398 206.8	7 075 455.5	398 233.8	7 075 505.0	56.4	
04/05/2020	15:51:19	CP20300_TR07	Still	CP20300_TR07_022	432		398 206.8	7 075 455.5	398 234.6	7 075 507.4	58.9	
04/05/2020	15:51:56	CP20300_TR07	Still	CP20300_TR07_023	433		398 206.8	7 075 455.5	398 234.1	7 075 511.9	62.6	
04/05/2020	15:52:33	CP20300_TR07	Still	CP20300_TR07_024	434		398 206.8	7 075 455.5	398 233.9	7 075 517.1	67.3	
04/05/2020	15:52:54	CP20300_TR07	Still	CP20300_TR07_025	435		398 206.8	7 075 455.5	398 236.9	7 075 519.2	70.5	
04/05/2020	15:53:23	CP20300_TR07	Still	CP20300_TR07_026	436		398 206.8	7 075 455.5	398 243.9	7 075 519.6	74.0	
04/05/2020	15:53:34	CP20300_TR07	Still	CP20300_TR07_027	437		398 206.8	7 075 455.5	398 247.4	7 075 520.2	76.4	
04/05/2020	15:53:44	CP20300_TR07	Still	CP20300_TR07_028	438		398 206.8	7 075 455.5	398 250.4	7 075 521.0	78.7	
04/05/2020	15:53:57	CP20300_TR07	Still	CP20300_TR07_029	439		398 206.8	7 075 455.5	398 252.6	7 075 522.7	81.3	
04/05/2020	15:54:00	CP20300_TR07	Still	CP20300_TR07_030	440		398 206.8	7 075 455.5	398 253.2	7 075 522.5	81.5	
04/05/2020	15:54:22	CP20300_TR07	Still	CP20300_TR07_031	441		398 206.8	7 075 455.5	398 256.7	7 075 523.5	84.4	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	15:54:52	CP20300_TR07	Still	CP20300_TR07_032	442		398 206.8	7 075 455.5	398 261.0	7 075 522.7	86.3	
04/05/2020	15:55:24	CP20300_TR07	Still	CP20300_TR07_033	443		398 206.8	7 075 455.5	398 266.6	7 075 523.0	90.2	
04/05/2020	15:55:35	CP20300_TR07	Still	CP20300_TR07_034	444		398 206.8	7 075 455.5	398 269.6	7 075 522.5	91.8	
04/05/2020	15:56:04	CP20300_TR07	Still	CP20300_TR07_035	445		398 206.8	7 075 455.5	398 276.5	7 075 524.1	97.8	
04/05/2020	15:56:22	CP20300_TR07	Still	CP20300_TR07_036	446		398 206.8	7 075 455.5	398 284.9	7 075 525.4	104.8	
04/05/2020	15:56:38	CP20300_TR07	Still	CP20300_TR07_037	447		398 206.8	7 075 455.5	398 282.7	7 075 530.5	106.7	
04/05/2020	15:56:58	CP20300_TR07	Still	CP20300_TR07_038	448		398 206.8	7 075 455.5	398 284.4	7 075 536.0	111.8	
04/05/2020	15:57:11	CP20300_TR07	Still	CP20300_TR07_039	449		398 206.8	7 075 455.5	398 284.7	7 075 539.7	114.7	
04/05/2020	15:57:42	CP20300_TR07	Still	CP20300_TR07_040	450		398 206.8	7 075 455.5	398 286.1	7 075 546.8	121.0	
04/05/2020	15:57:45	CP20300_TR07	Still	CP20300_TR07_041	451		398 206.8	7 075 455.5	398 286.1	7 075 547.0	121.1	
04/05/2020	15:58:10	CP20300_TR07	Still	CP20300_TR07_042	452		398 206.8	7 075 455.5	398 289.2	7 075 552.8	127.5	
04/05/2020	15:58:29	CP20300_TR07	Still	CP20300_TR07_043	453		398 206.8	7 075 455.5	398 293.9	7 075 557.6	134.2	
04/05/2020	15:58:31	CP20300_TR07	Still	CP20300_TR07_044	454		398 206.8	7 075 455.5	398 293.9	7 075 557.6	134.2	
04/05/2020	15:58:55	CP20300_TR07	Still	CP20300_TR07_045	455		398 206.8	7 075 455.5	398 294.8	7 075 560.7	137.2	
04/05/2020	15:59:28	CP20300_TR07	Still	CP20300_TR07_046	456		398 206.8	7 075 455.5	398 293.0	7 075 567.9	141.6	
04/05/2020	15:59:48	CP20300_TR07	Still	CP20300_TR07_047	457		398 206.8	7 075 455.5	398 293.2	7 075 573.8	146.5	
04/05/2020	16:00:03	CP20300_TR07	Still	CP20300_TR07_048	458		398 206.8	7 075 455.5	398 291.4	7 075 576.8	147.9	
04/05/2020	16:00:32	CP20300_TR07	Still	CP20300_TR07_049	459		398 206.8	7 075 455.5	398 300.6	7 075 577.3	153.7	
04/05/2020	16:00:51	CP20300_TR07	Still	CP20300_TR07_050	460		398 206.8	7 075 455.5	398 303.0	7 075 577.3	155.3	
04/05/2020	16:01:39	CP20300_TR07	Still	CP20300_TR07_051	461		398 206.8	7 075 455.5	398 310.9	7 075 578.8	161.4	
04/05/2020	16:02:17	CP20300_TR07	Still	CP20300_TR07_052	462		398 206.8	7 075 455.5	398 316.7	7 075 582.8	168.2	
04/05/2020	16:02:54	CP20300_TR07	Still	CP20300_TR07_053	463		398 206.8	7 075 455.5	398 322.5	7 075 585.5	174.1	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	16:02:56	CP20300_TR07	Still	CP20300_TR07_054	464		398 206.8	7 075 455.5	398 322.5	7 075 585.5	174.1	
04/05/2020	16:03:39	CP20300_TR07	Still	CP20300_TR07_055	465		398 206.8	7 075 455.5	398 325.9	7 075 591.1	180.5	
04/05/2020	16:03:59	CP20300_TR07	Still	CP20300_TR07_056	466		398 206.8	7 075 455.5	398 332.8	7 075 591.9	185.7	
04/05/2020	16:04:16	CP20300_TR07	Still	CP20300_TR07_057	467		398 206.8	7 075 455.5	398 337.7	7 075 592.5	189.4	
04/05/2020	16:04:49	CP20300_TR07	Still	CP20300_TR07_058	468		398 206.8	7 075 455.5	398 340.2	7 075 597.7	195.0	
04/05/2020	16:05:00	CP20300_TR07	Still	CP20300_TR07_059	469		398 206.8	7 075 455.5	398 337.8	7 075 601.1	195.8	
04/05/2020	16:05:11	CP20300_TR07	Still	CP20300_TR07_060	470		398 206.8	7 075 455.5	398 336.0	7 075 603.3	196.3	
04/05/2020	16:05:38	CP20300_TR07	Still	CP20300_TR07_061	471		398 206.8	7 075 455.5	398 335.7	7 075 609.5	200.8	
04/05/2020	16:06:13	CP20300_TR07	Still	CP20300_TR07_062	472		398 206.8	7 075 455.5	398 336.5	7 075 617.6	207.6	
04/05/2020	16:06:21	CP20300_TR07	Still	CP20300_TR07_063	473		398 206.8	7 075 455.5	398 337.5	7 075 618.8	209.1	
04/05/2020	16:06:42	CP20300_TR07	Still	CP20300_TR07_064	474		398 206.8	7 075 455.5	398 339.3	7 075 622.5	213.2	
04/05/2020	16:06:57	CP20300_TR07	Still	CP20300_TR07_065	475		398 206.8	7 075 455.5	398 339.4	7 075 626.5	216.4	
04/05/2020	16:07:20	CP20300_TR07	Still	CP20300_TR07_066	476		398 206.8	7 075 455.5	398 338.9	7 075 630.8	219.5	
04/05/2020	16:07:38	CP20300_TR07	Still	CP20300_TR07_067	477		398 206.8	7 075 455.5	398 337.3	7 075 635.1	221.9	
04/05/2020	16:07:54	CP20300_TR07	Still	CP20300_TR07_068	478		398 206.8	7 075 455.5	398 340.5	7 075 637.9	226.2	
04/05/2020	16:08:09	CP20300_TR07	Still	CP20300_TR07_069	479		398 206.8	7 075 455.5	398 341.7	7 075 640.0	228.6	
04/05/2020	16:08:26	CP20300_TR07	Still	CP20300_TR07_070	480		398 206.8	7 075 455.5	398 341.8	7 075 642.7	230.8	
04/05/2020	16:08:44	CP20300_TR07	Still	CP20300_TR07_071	481		398 206.8	7 075 455.5	398 344.9	7 075 645.5	234.9	
04/05/2020	16:09:00	CP20300_TR07	Video	EOL	482	208.3	398 341.3	7 075 643.7	398 345.1	7 075 647.1	5.1	
04/05/2020	17:09:33	CP20300_TR08	Video	SOL	483	215.4	398 324.6	7 072 099.5	398 325.8	7 072 093.5	6.1	
04/05/2020	17:09:54	CP20300_TR08	Still	CP20300_TR08_001	484		398 324.6	7 072 099.5	398 325.9	7 072 096.8	3.0	
04/05/2020	17:10:29	CP20300_TR08	Still	CP20300_TR08_002	485		398 324.6	7 072 099.5	398 326.0	7 072 101.6	2.5	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	17:10:58	CP20300_TR08	Still	CP20300_TR08_003	486		398 324.6	7 072 099.5	398 326.2	7 072 105.1	5.9	
04/05/2020	17:11:23	CP20300_TR08	Still	CP20300_TR08_004	487		398 324.6	7 072 099.5	398 326.2	7 072 109.4	10.0	
04/05/2020	17:11:44	CP20300_TR08	Still	CP20300_TR08_005	488		398 324.6	7 072 099.5	398 325.8	7 072 112.6	13.2	
04/05/2020	17:12:06	CP20300_TR08	Still	CP20300_TR08_006	489		398 324.6	7 072 099.5	398 326.3	7 072 115.2	15.8	
04/05/2020	17:12:30	CP20300_TR08	Still	CP20300_TR08_007	490		398 324.6	7 072 099.5	398 327.2	7 072 118.8	19.5	
04/05/2020	17:12:53	CP20300_TR08	Still	CP20300_TR08_008	491		398 324.6	7 072 099.5	398 328.0	7 072 121.9	22.6	
04/05/2020	17:13:12	CP20300_TR08	Still	CP20300_TR08_009	492		398 324.6	7 072 099.5	398 328.1	7 072 126.3	27.0	
04/05/2020	17:13:41	CP20300_TR08	Still	CP20300_TR08_010	493		398 324.6	7 072 099.5	398 326.5	7 072 131.9	32.4	
04/05/2020	17:14:01	CP20300_TR08	Still	CP20300_TR08_011	494		398 324.6	7 072 099.5	398 325.1	7 072 136.2	36.7	
04/05/2020	17:14:29	CP20300_TR08	Still	CP20300_TR08_012	495		398 324.6	7 072 099.5	398 322.9	7 072 140.3	40.8	
04/05/2020	17:14:51	CP20300_TR08	Still	CP20300_TR08_013	496		398 324.6	7 072 099.5	398 322.3	7 072 144.0	44.6	
04/05/2020	17:15:12	CP20300_TR08	Still	CP20300_TR08_014	497		398 324.6	7 072 099.5	398 321.2	7 072 145.7	46.3	
04/05/2020	17:15:49	CP20300_TR08	Still	CP20300_TR08_015	498		398 324.6	7 072 099.5	398 318.8	7 072 148.4	49.2	
04/05/2020	17:16:22	CP20300_TR08	Still	CP20300_TR08_016	499		398 324.6	7 072 099.5	398 321.6	7 072 155.1	55.6	
04/05/2020	17:16:45	CP20300_TR08	Still	CP20300_TR08_017	500		398 324.6	7 072 099.5	398 323.6	7 072 159.5	60.0	
04/05/2020	17:16:57	CP20300_TR08	Still	CP20300_TR08_018	501		398 324.6	7 072 099.5	398 325.1	7 072 162.0	62.5	
04/05/2020	17:17:10	CP20300_TR08	Still	CP20300_TR08_019	502		398 324.6	7 072 099.5	398 325.7	7 072 163.5	64.0	
04/05/2020	17:17:38	CP20300_TR08	Still	CP20300_TR08_020	503		398 324.6	7 072 099.5	398 325.7	7 072 168.8	69.3	
04/05/2020	17:18:02	CP20300_TR08	Still	CP20300_TR08_021	504		398 324.6	7 072 099.5	398 324.6	7 072 173.5	74.0	
04/05/2020	17:18:13	CP20300_TR08	Still	CP20300_TR08_022	505		398 324.6	7 072 099.5	398 325.3	7 072 175.6	76.1	
04/05/2020	17:18:36	CP20300_TR08	Still	CP20300_TR08_023	506		398 324.6	7 072 099.5	398 324.8	7 072 179.5	80.0	
04/05/2020	17:19:13	CP20300_TR08	Still	CP20300_TR08_024	507		398 324.6	7 072 099.5	398 324.1	7 072 184.4	84.9	

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	17:19:30	CP20300_TR08	Still	CP20300_TR08_025	508		398 324.6	7 072 099.5	398 323.4	7 072 186.3	86.8	
04/05/2020	17:19:49	CP20300_TR08	Still	CP20300_TR08_026	509		398 324.6	7 072 099.5	398 323.6	7 072 188.1	88.6	
04/05/2020	17:20:10	CP20300_TR08	Still	CP20300_TR08_027	510		398 324.6	7 072 099.5	398 324.4	7 072 190.1	90.6	
04/05/2020	17:20:19	CP20300_TR08	Still	CP20300_TR08_028	511		398 324.6	7 072 099.5	398 324.3	7 072 191.2	91.7	
04/05/2020	17:20:42	CP20300_TR08	Still	CP20300_TR08_029	512		398 324.6	7 072 099.5	398 325.0	7 072 194.2	94.7	
04/05/2020	17:20:59	CP20300_TR08	Still	CP20300_TR08_030	513		398 324.6	7 072 099.5	398 324.7	7 072 196.9	97.4	
04/05/2020	17:21:13	CP20300_TR08	Still	CP20300_TR08_031	514		398 324.6	7 072 099.5	398 323.6	7 072 198.7	99.2	
04/05/2020	17:21:28	CP20300_TR08	Still	CP20300_TR08_032	515		398 324.6	7 072 099.5	398 323.2	7 072 199.9	100.4	
04/05/2020	17:21:46	CP20300_TR08	Still	CP20300_TR08_033	516		398 324.6	7 072 099.5	398 322.9	7 072 201.4	102.0	
04/05/2020	17:21:57	CP20300_TR08	Still	CP20300_TR08_034	517		398 324.6	7 072 099.5	398 323.5	7 072 203.2	103.7	
04/05/2020	17:22:04	CP20300_TR08	Still	CP20300_TR08_035	518		398 324.6	7 072 099.5	398 323.3	7 072 204.9	105.5	
04/05/2020	17:22:27	CP20300_TR08	Still	CP20300_TR08_036	519		398 324.6	7 072 099.5	398 324.4	7 072 206.3	106.8	
04/05/2020	17:22:58	CP20300_TR08	Still	CP20300_TR08_037	520		398 324.6	7 072 099.5	398 321.0	7 072 214.8	115.4	
04/05/2020	17:23:06	CP20300_TR08	Still	CP20300_TR08_038	521		398 324.6	7 072 099.5	398 320.9	7 072 216.6	117.1	
04/05/2020	17:23:29	CP20300_TR08	Still	CP20300_TR08_039	522		398 324.6	7 072 099.5	398 321.3	7 072 221.0	121.5	
04/05/2020	17:23:53	CP20300_TR08	Still	CP20300_TR08_040	523		398 324.6	7 072 099.5	398 321.7	7 072 224.9	125.4	
04/05/2020	17:24:23	CP20300_TR08	Still	CP20300_TR08_041	524		398 324.6	7 072 099.5	398 320.7	7 072 228.6	129.1	
04/05/2020	17:24:37	CP20300_TR08	Still	CP20300_TR08_042	525		398 324.6	7 072 099.5	398 319.8	7 072 232.2	132.8	
04/05/2020	17:24:50	CP20300_TR08	Still	CP20300_TR08_043	526		398 324.6	7 072 099.5	-	-	-	Beacon signal lost
04/05/2020	-	CP20300_TR08	Still	CP20300_TR08_044	527		398 324.6	7 072 099.5	-	-	-	Beacon signal lost

Geodetic Parameters: ED50, UTM Zone 32N [m]												
Date	Time [UTC]	Transect	Type	Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
04/05/2020	17:25:35	CP20300_TR08	Still	CP20300_TR08_045	528		398 324.6	7 072 099.5	398 323.0	7 072 243.7	144.3	
04/05/2020	17:25:57	CP20300_TR08	Still	CP20300_TR08_046	529		398 324.6	7 072 099.5	398 321.8	7 072 246.4	146.9	
04/05/2020	17:26:12	CP20300_TR08	Still	CP20300_TR08_047	530		398 324.6	7 072 099.5	398 319.9	7 072 247.6	148.2	
04/05/2020	17:26:25	CP20300_TR08	Video	EOL	531	214.0	398 320.6	7 072 249.0	398 318.5	7 072 250.3	2.5	
Notes UTC = Coordinated Universal Time BSL = Below sea level												

B.2 Video and Photographic Log

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR01	18:22:19	397 395.9	7 074 069.3	32	CP20300-TR01-001 – CP20300-TR01-003	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i> and ? <i>Mesothuria intestinalis</i>), krill (Euphausiacea), gadoid fish (Gadiformes). Faunal, burrows, mounds and tracks
	18:25:47	397 428.1	7 074 067.7				
	18:25:47	397 428.1	7 074 067.7	26	CP20300-TR01-004 – CP20300-TR01-008	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including <i>Aplysilla sulfurea</i> , erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Haliclona</i> sp. and creeping, branching white Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (<i>Henricia</i> sp.), cushion star (Pterasteridae), krill (Euphausiacea), green spoon worm (<i>Bonellia viridis</i>), flatfish (Pleuronectiformes), redfish (Sebastidae) and gadoid fish (Gadiformes). Faunal tracks
	18:28:44	397 453.8	7 074 071.6				
	18:28:44	397 453.8	7 074 071.6	66	CP20300-TR01-009 – CP20300-TR01-019	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), possible anemone (Actiniaria), burrowing anemone (Ceriantharia), shrimp (Caridea), krill (Euphausiacea), saithe (<i>Pollachius virens</i>), fish (Pisces) and gadoid fish (Gadiformes). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	18:35:55	397 519.5	7 074 070.3				
	18:35:55	397 519.5	7 074 070.3	27	CP20300-TR01-020 – CP20300-TR01-027	Scattered cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including <i>Aplysilla sulfurea</i> and erect forms including: Axinellidae and <i>Phakellia</i> sp.), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), starfish (<i>Henricia</i> sp.), anemone (Actiniaria), krill (Euphausiacea) and fish (Pisces)
	18:38:48	397 546.8	7 074 069.8				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR01	18:38:48	397 546.8	7 074 069.8	44	CP20300-TR01-028 – CP20300-TR01-036	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), krill (Euphausiacea), fish (Pisces), gadoid fish (Gadiformes) and forkbeard (<i>Phycis blennoides</i>). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	18:44:19	397 590.3	7 074 069.2				
	18:44:19	397 590.3	7 074 069.2	67	CP20300-TR01-037 – CP20300-TR01-042	Scattered cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including <i>Aplysilla sulfurea</i> and erect forms including: <i>Mycale lingua</i> , Axinellidae), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), pencil urchin (<i>Cidaris cidaris</i>), starfish (<i>Henricia</i> sp.), cushionstar (Goniasteridae), krill (Euphausiacea) and gadoid fish (Gadiformes). Faunal burrows and tracks
	18:45:38	397 632.7	7 074 017.8				
	18:45:38	397 632.7	7 074 017.8	57	CP20300-TR01-043 – CP20300-TR01-055	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (Holothuriidae including <i>Parastichopus tremulus</i>), possible Norway lobster (? <i>Nephrops norvegicus</i>), possible stalked bryozoan (? <i>Kinetoskias</i> sp.), krill (Euphausiacea), gadoid fish (Gadiformes) and flatfish (Pleuronectiformes). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	18:51:28	397 660.4	7 074 067.6				
CP20300-TR02	18:57:16	397 661.8	7 074 063.9	58	CP20300-TR02-001 – CP20300-TR02-014	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponges (Porifera including: Polymastiidae/Phloedictyidae (? <i>Oceanapia</i> sp.) and mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), possible stalked bryozoan (<i>Kinetoskias</i> sp.), foraminiferan (?Foraminifera), krill (Euphausiacea), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	19:09:26	397 625.3	7 074 109.2				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR02	19:09:26	397 625.3	7 074 109.2	15	CP20300-TR02-015 – CP20300-TR02-017	Scattered cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: ? <i>Haliclona</i> sp., Axinellidae and unidentified white branching), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.) and starfish (Goniasteridae). Faunal burrows and tracks
	19:10:14	397 611.8	7 074 115.7				
	19:10:14	397 611.8	7 074 115.7	18	CP20300-TR02-018 and CP20300-TR02-019	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponges (Porifera including: mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), pencil urchin (<i>Cidaris cidaris</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	19:11:05	397 600.9	7 074 129.6				
	19:11:05	397 600.9	7 074 129.6	12	CP20300-TR02-020 – CP20300-TR02-022	Scattered cobbles and boulder overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae and unidentified white branching), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), krill (Euphausiacea), gadoid fish (Gadiformes), saithe (<i>Pollachius virens</i>) and tusk (<i>Brosme brosme</i>). Faunal burrows, mounds and tracks
	19:11:52	397 592.0	7 074 137.1				
	19:11:52	397 592.0	7 074 137.1	31	CP20300-TR02-023 – CP20300-TR02-030	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponge (branching Porifera (? <i>Haliclona</i> sp.), possible foraminiferan (?Foraminifera), krill (Euphausiacea), rabbit fish (<i>Chimaera monstrosa</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	19:14:24	397 570.8	7 074 160.3				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR02	19:14:24	397 570.8	7 074 160.3	15	CP20300-TR02-031 – CP20300-TR02-037	Scattered cobbles and boulder overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: <i>Mycale lingua</i> , Axinellidae, <i>Phakellia</i> sp., and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), starfish (<i>Henricia</i> sp.) and krill (Euphausiacea). Faunal burrows and tracks
	19:15:39	397 560.6	7 074 171.9				
	19:15:39	397 560.6	7 074 171.9	38	CP20300-TR02-038 – CP20300-TR02-044	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), sea urchin (Echinidae), krill (Euphausiacea), rabbit fish (<i>Chimaera monstrosa</i>) and gadoid fish (Gadiformes). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	19:18:32	397 533.8	7 074 199.3				
CP20300-TR03	19:23:18	397 534.5	7 074 200.3	113	CP20300-TR03-001 – CP20300-TR03-021	One cobble overlain gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), shrimp (Caridea), krill (Euphausiacea), gadoid fish (<i>Gadiformes</i>), saithe (<i>Pollachius virens</i>) and haddock (<i>Melanogrammus aeglefinus</i>). Faunal burrows, mounds and tracks, possible <i>Nephrops norvegicus</i> burrow complexes. Taxa associated with hard substrata comprised: Sponges (encrusting Porifera including <i>Hymedesmia paupertas</i>) and faunal turf (Hydrozoa/Bryozoa)
	19:34:33	397 533.0	7 074 087.5				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR03	19:34:33	397 533.0	7 074 087.5	98	CP20300-TR03-022 – CP20300-TR03-045	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, ?Polymastiidae, ? <i>Haliclona</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa), calcareous worm tubes (Serpulidae) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), hermit crab (Paguridae), burrowing anemone (Ceriantharia), pencil urchin (<i>Cidaris cidaris</i>), starfish (<i>Henricia</i> sp.), possible foraminiferan (?Foraminifera), green spoon worm (<i>Bonellia viridis</i>), krill (Euphausiacea), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	19:45:16	397 530.3	7 073 989.0				
	19:45:16	397 530.3	7 073 989.0	18	CP20300-TR03-046 – CP20300-TR03-049	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Possible foraminiferan (?Foraminifera) and saithe (<i>Pollachius virens</i>). Faunal burrows, mounds and tracks
	19:47:17	397 531.5	7 073 971.4				
	19:47:17	397 531.5	7 073 971.4	22	CP20300-TR03-050 – CP20300-TR03-056	Scattered cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Haliclona</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), pencil urchin (<i>Cidaris cidaris</i>), cushion star (Goniasteridae), shrimp (Caridea), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	19:49:21	397 527.7	7 073 949.9				
	19:49:21	397 527.7	7 073 949.9	4	No stills	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>)
	19:49:57	397 528.3	7 073 945.7				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR04	20:20:09	397 378.3	7 073 771.0	18	CP20300-TR04-001	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks, anthropogenic debris (small metal sheet approximately 10 cm x 10 cm)
	20:21:58	397 377.1	7 073 788.7				
	20:21:58	397 377.1	7 073 788.7	41	CP20300-TR04-002 – CP20300-TR04-012	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Starfish (Asteroidea). and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	20:25:26	397 369.7	7 073 828.7				
	20:25:26	397 369.7	7 073 828.7	25	CP20300-TR04-013 – CP20300-TR04-018	Varying coverage of cobbles and boulders overlain muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), anemone (Actiniaria), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	20:27:28	397 386.7	7 073 846.4				
	20:27:28	397 386.7	7 073 846.4	7	CP20300-TR04-019 - CP20300-TR04-020	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: saithe (<i>Pollachius virens</i>)
	20:28:16	397 393.6	7 073 849.2				
	20:28:16	397 393.6	7 073 849.2	7	CP20300-TR04-021 - CP20300-TR04-022	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows, mounds and tracks
	20:28:40	397 395.4	7 073 855.8				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR04	20:28:40	397 395.4	7 073 855.8	45	CP20300-TR04-023 – CP20300-TR04-038	Scattered cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., <i>Mycale lingua</i> , Polymastiidae/Phloedictyidae (? <i>Oceanapia</i> sp.) and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea), sea cucumbers (<i>Parastichopus tremulus</i>), pencil urchin (<i>Cidaris cidaris</i>), starfish (<i>Henricia</i> sp.), possible foraminiferan (?Foraminifera), green spoon worm (<i>Bonellia viridis</i>), krill (Euphausiacea), gadoid fish (Gadiformes), Norway pout (<i>Trisopterus esmarkii</i>), saithe (<i>Pollachius virens</i>) and tusk (<i>Brosme brosme</i>). Faunal burrows and tracks
	20:33:42	397 390.9	7 073 900.9				
	20:33:42	397 390.9	7 073 900.9	20	CP20300-TR04-039 – CP20300-TR04-044	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea), anemones (Actiniaria) and saithe (<i>Pollachius virens</i>)
	20:35:25	397 405.8	7 073 914.4				
	20:35:25	397 405.8	7 073 914.4	14	CP20300-TR04-045 - CP20300-TR04-046	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	20:36:23	397 417.9	7 073 920.7				
	20:36:23	397 417.9	7 073 920.7	6	CP20300-TR04-047	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	20:36:43	397 413.4	7 073 924.8				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR04	20:36:43	397 413.4	7 073 924.8	36	CP20300-TR04-048 – CP20300-TR04-057	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Geodia</i> sp., unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), anemones (Actiniaria), pencil urchin (<i>Cidaris cidaris</i>), starfish (Asteroidea including <i>Henricia</i> sp.), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal tracks
	20:39:46	397 409.7	7 073 961.1				
	20:39:46	397 409.7	7 073 961.1	20	CP20300-TR04-058 – CP20300-TR04-063	Cobbles and boulders overlain gravelly, muddy sand/sandy mud. Live <i>Desmophyllum pertusum</i> reef	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Coral (<i>Desmophyllum pertusum</i>), gorgonian coral (<i>Paragorgia arborea</i>), sponges (encrusting Porifera including <i>Hymedesmia paupertas</i> and erect/massive forms including: Axinellidae, <i>Geodia</i> sp., <i>Mycale lingua</i>), stalked bryozoan (<i>Kinetoskias</i> sp.). Other fauna included: File clam (<i>Acesta excavata</i>), crab (Decapoda), starfish (Asteroidea including <i>Henricia</i> sp.), krill (Euphausiacea), saithe (<i>Pollachius virens</i>) and redfish (Sebastidae)
	20:41:01	397 414.3	7 073 980.5				
	20:41:01	397 414.3	7 073 980.5	16	CP20300-TR04-064 – CP20300-TR04-069	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., <i>Geodia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa), and encrusting and branching bryozoans (Bryozoa). Other fauna included: Anemones (Actiniaria), pencil urchin (<i>Cidaris cidaris</i>), starfish (<i>Henricia</i> sp.), saithe (<i>Pollachius virens</i>) and redfish (Sebastidae). Faunal tracks
	20:43:22	397 428.8	7 073 986.7				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR04	20:43:22	397 428.8	7 073 986.7	13	CP20300-TR04-070 – CP20300-TR04-072	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	20:44:46	397 440.6	7 073 992.7				
CP20300-TR05	12:22:33	397 156.3	7 073 208.7	25	CP20300-TR05-001 – CP20300-TR05-004	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), possible foraminiferan (?Foraminifera), sponge (Porifera), starfish (Asteroidea), squat lobsters (Galatheaidea) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	12:25:54	397 160.0	7 073 233.8				
	12:25:54	397 160.0	7 073 233.8	19	CP20300-TR05-005 – CP20300-TR05-009	Scattered cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Haliclona</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea pen (<i>Funiculina quadrangularis</i>), burrowing anemone (Ceriantharia) and cushion star (Goniasteridae). Faunal tracks and mounds
	12:28:14	397 163.2	7 073 252.2				
	12:28:14	397 163.2	7 073 252.2	21	CP20300-TR05-010 – CP20300-TR05-014	Sporadic cobbles overlain gravelly, muddy sand/sandy mud	Taxa observed included sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect forms including: Axinellidae), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), anemones (Actiniaria), possible foraminiferans (?Foraminifera), sea cucumbers (<i>Parastichopus tremulus</i>) and saithe (<i>Pollachius virens</i>). Faunal tracks, burrows and possible <i>Nephrops norvegicus</i> burrow complexes
	12:29:54	397 180.3	7 073 264.7				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR05	12:29:54	397 180.3	7 073 264.7	5	No stills	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks
	12:30:14	397 178.8	7 073 269.3				
	12:30:14	397 178.8	7 073 269.3	27	CP20300-TR05-015 – CP20300-TR05-026	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Haliclona</i> sp. and unidentified white branching), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheoidea, <i>Munida</i> sp.), burrowing anemones (Ceriantharia), anemone (Actiniaria), pencil urchin (<i>Cidaris cidaris</i>), cushion star (Goniasteridae), starfish (<i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), shrimp (Caridea) and saithe (<i>Pollachius virens</i>). Faunal tracks
	12:33:40	397 172.5	7 073 296.0				
	12:33:40	397 172.5	7 073 296.0	32	CP20300-TR05-027 – CP20300-TR05-032	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., and unidentified white branching), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheoidea including <i>Munida</i> sp.), burrowing anemones (Ceriantharia), possible foraminiferans (?Foraminifera), sea cucumbers (Holothuriidae), pencil urchin (<i>Cidaris cidaris</i>), starfish (Asteroidea including and <i>Henricia</i> sp.), cushion star (Goniasteridae), green spoon worm (<i>Bonelli viridis</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal tracks
	12:35:45	397 203.4	7 073 305.0				
	12:35:45	397 203.4	7 073 305.0	8	CP20300-TR05-033 – CP20300-TR05-034	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks
	12:36:47	397 210.1	7 073 309.0				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR05	12:36:47	397 210.1	7 073 309.0	13	CP20300-TR05-035 – CP20300-TR05-037	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.), gadoid fish (Gadiformes), saithe (<i>Pollachius virens</i>) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks
	12:37:49	397 205.0	7 073 320.6				
	12:37:49	397 205.0	7 073 320.6	28	CP20300-TR05-038 – CP20300-TR05-043	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, ? <i>Haliclona</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), starfish (Asteroidea including <i>Henricia</i> sp.), cushion star (Goniasteridae), gadoid fish (Gadiformes) saithe (<i>Pollachius virens</i>). Faunal tracks
	12:40:07	397 198.6	7 073 348.0				
	12:40:07	397 198.6	7 073 348.0	20	CP20300-TR05-044 and CP20300-TR05-045	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), cushion star (Goniasteridae), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal tracks
	12:41:26	397 218.4	7 073 352.3				
	12:41:26	397 218.4	7 073 352.3	12	CP20300-TR05-046	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.), possible foraminiferans (?Foraminifera) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	12:42:30	397 225.9	7 073 360.9				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR05	12:42:30	397 225.9	7 073 360.9	34	CP20300-TR05-047 – CP20300-TR05-055	Sporadic cobbles overlain gravelly, muddy sand/sandy mud	Fauna was sparse. Taxa associated with soft substrate include: Squat lobsters (<i>Munida</i> sp.), possible foraminiferans (?Foraminifera), anemone (Actiniaria ? <i>Bolocera tuediae</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows, tracks and possible <i>Nephrops norvegicus</i> burrow complexes. Taxa associated with hard substrate included: Sponges (encrusting Porifera including <i>Hymedesmia paupertas</i> and branching forms ? <i>Haliclona</i> sp.) and faunal turf (Hydrozoa/Bryozoa)
	12:45:05	397 213.1	7 073 392.0				
CP20300-TR06	13:29:17	397 214.4	7 074 294.2	11	CP20300-TR06-001	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.) and gadoid fish (Gadiformes). Faunal burrows and tracks
	13:30:28	397 220.0	7 074 303.2				
	13:30:28	397 220.0	7 074 303.2	23	CP20300-TR06-002 – CP20300-TR06-007	Sporadic cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae and ? <i>Haliclona</i> sp.), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), burrowing anemones (Ceriantharia), possible foraminiferans (?Foraminifera) and gadoid fish (Gadiformes). Faunal burrows and tracks associated with soft sediment
	13:32:13	397 235.7	7 074 319.3				
	13:32:13	397 235.7	7 074 319.3	11	CP20300-TR06-008	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Cushion star (Goniasteridae) and gadoid fish (Gadiformes). Faunal burrows and tracks
	13:32:41	397 237.9	7 074 329.7				
	13:32:41	397 237.9	7 074 329.7	10	CP20300-TR06-009	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea pen (<i>Funiculina quadrangularis</i>) and gadoid fish (Gadiformes). Faunal burrows, mounds and tracks
	13:33:12	397 245.8	7 074 324.1				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR06	13:33:12	397 245.8	7 074 324.1	31	CP20300-TR06-010 – CP20300-TR06-014	Cobbles and boulder overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: Sea cucumbers (<i>Parastichopus tremulus</i>), anemone (Actiniaria), cushion star (Goniasteridae), starfish <i>Henricia</i> sp.) and gadoid fish (Gadiformes)
	13:34:45	397 273.3	7 074 310.5				
	13:34:45	397 273.3	7 074 310.5	28	CP20300-TR06-015 – CP20300-TR06-020	Cobbles and boulder overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), sea cucumbers (<i>Parastichopus tremulus</i>), anemone (Actiniaria) and starfish (Asteroidea). Faunal burrows and tracks associated with soft sediment
	13:36:51	397 284.1	7 074 336.1				
	13:36:51	397 284.1	7 074 336.1	14	CP20300-TR06-021 and CP20300-TR06-022	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponges (Porifera) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks and possible <i>Nephrops norvegicus</i> burrow complexes
	13:37:42	397 289.0	7 074 349.0				
	13:37:38	397 286.7	7 074 322.6	23	CP20300-TR06-023 and CP20300-TR06-024	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.), possible foraminiferans (?Foraminifera) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	13:38:21	397 296.7	7 074 342.9				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR06	13:38:21	397 296.7	7 074 342.9	20	CP20300-TR06-025 – CP20300-TR06-030	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), pencil urchin (<i>Cidaris cidaris</i>), burrowing anemones (Ceriantharia) and gadoid fish (Gadiformes)
	13:39:43	397 315.4	7 074 337.2				
	13:39:43	397 315.4	7 074 337.2	6	CP20300-TR06-031	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.). Faunal burrows and tracks and possible <i>Nephrops norvegicus</i> burrow complexes
	13:40:12	397 321.1	7 074 335.8				
	13:40:12	397 321.1	7 074 335.8	8	CP20300-TR06-032 – CP20300-TR06-035	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae and <i>Phakellia</i> sp.), faunal turf (Hydrozoa/Bryozoa) and bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (<i>Henricia</i> sp.) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks
	13:40:51	397 328.1	7 074 332.6				
	13:40:51	397 328.1	7 074 332.6	20	CP20300-TR06-036 – CP20300-TR06-039	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Haliclona</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), cushion star (Goniasteridae), starfish (<i>Henricia</i> sp.) and possible foraminiferans (?Foraminifera). Faunal burrows and tracks associated with soft sediment
	13:42:14	397 335.5	7 074 351.6				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR06	13:42:14	397 335.5	7 074 351.6	19	CP20300-TR06-040 – CP20300-TR06-042	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponges (Porifera), burrowing anemones (Ceriantharia) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	13:43:22	397 340.4	7 074 369.8				
	13:43:22	397 340.4	7 074 369.8	8	No stills	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Possible foraminiferans (?Foraminifera) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	13:43:51	397 347.5	7 074 365.8				
	13:43:51	397 347.5	7 074 365.8	21	CP20300-TR06-043 – CP20300-TR06-047	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting and branching bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), cushion star (Goniasteridae), starfish <i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>) and shrimp (Caridea). Faunal burrows and tracks associated with soft sediment
	13:45:04	397 368.0	7 074 362.5				
	13:45:04	397 368.0	7 074 362.5	21	CP20300-TR06-048 – CP20300-TR06-052	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.), sponges (Porifera), possible foraminiferans (?Foraminifera), gadoid fish (Gadiformes), and redfish (Sebastidae). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	13:46:53	397 389.0	7 074 363.7				
CP20300-TR07	15:43:44	398 204.1	7 075 451.5	37	CP20300-TR07-001 – CP20300-TR07-011	Sporadic cobbles overlain gravelly, muddy sand/sandy mud	Fauna was sparse. Taxa associated with soft substrate include: Sea cucumbers (<i>Parastichopus tremulus</i>), stalked sponge (<i>Stylocordyla borealis</i>), pencil urchin (<i>Cidaris cidaris</i>), possible foraminiferans (?Foraminifera), tusk (<i>Brosme brosme</i>), saithe (<i>Pollachius virens</i>) and krill (Euphausiacea). Faunal burrows and tracks Taxa associated with hard substrate included: Sponges (encrusting Porifera and Axinellidae)
	15:48:05	398 224.5	7 075 482.6				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR07	15:48:05	398 224.5	7 075 482.6	37	CP20300-TR07-012 – CP20300-TR07-024	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive forms including: Axinellidae, <i>Phakellia</i> sp., ?Astrophorina), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (Asteroidea including <i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), sea cucumber (<i>Parastichopus tremulus</i>), pencil urchin (<i>Cidaris cidaris</i>), whelk (Buccinidae), shrimp (Caridea), gadoid fish (Gadiformes), tusk (<i>Brosme brosme</i>) and redfish (Sebastidae). Faunal tracks associated with soft sediment
	15:52:43	398 235.2	7 075 518.4				
	15:52:43	398 235.2	7 075 518.4	96	CP20300-TR07-025 – CP20300-TR07-033	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp. and unidentified white branching Porifera), gorgonian corals (<i>Primnoa resedaeformis</i> and <i>Paragorgia arborea</i>), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (<i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), tusk (<i>Brosme brosme</i>) and saithe (<i>Pollachius virens</i>)
	15:55:28	398 325.9	7 075 548.9				
	15:55:28	398 325.9	7 075 548.9	47	CP20300-TR07-034 – CP20300-TR07-036	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (Holothuroidea including <i>Parastichopus tremulus</i>), possible foraminiferans (?Foraminifera), tusk (<i>Brosme brosme</i>) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	15:56:25	398 284.9	7 075 525.4				
	15:56:25	398 284.9	7 075 525.4	8	CP20300-TR07-037	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponges (Porifera), possible foraminiferans (?Foraminifera) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	15:56:51	398 284.5	7 075 533.7				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR07	15:56:51	398 284.5	7 075 533.7	43	CP20300-TR07-038 – CP20300-TR07-047	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive forms including: Axinellidae, <i>Phakellia</i> sp.), gorgonian coral (<i>Paragorgia arborea</i>), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (Asteroidea including <i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), pencil urchin (<i>Cidaris cidaris</i>), redfish (Sebastidae) and saithe (<i>Pollachius virens</i>)
	15:59:57	398 291.4	7 075 575.8				
	15:59:57	398 291.4	7 075 575.8	42	CP20300-TR07-048 – CP20300-TR07-055	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., <i>Mycale lingua</i> , unidentified sponge), gorgonian coral (<i>Paragorgia arborea</i>), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), starfish (<i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), gadoid fish (Gadiformes) and tusk (<i>Brosme brosme</i>). Faunal tracks associated with soft sediment
	16:03:57	398 330.6	7 075 591.7				
	16:03:57	398 330.6	7 075 591.7	13	CP20300-TR07-056 and CP20300-TR07-057	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Possible foraminiferans (?Foraminifera), tusk (<i>Brosme brosme</i>) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	16:04:31	398 344.0	7 075 592.6				
	16:04:31	398 344.0	7 075 592.6	11	CP20300-TR07-058	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	16:05:02	398 337.8	7 075 601.1				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR07	16:05:02	398 337.8	7 075 601.1	47	CP20300-TR07-059 – CP20300-TR07-071	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., ? <i>Mycale lingua</i> , <i>Geodia</i> sp., and unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galattheoidea including <i>Munida</i> sp.), cushion star (Goniasteridae), starfish (<i>Henricia</i> sp.), green spoon worm (<i>Bonellia viridis</i>), pencil urchin (<i>Cidaris cidaris</i>), monkfish (<i>Lophius piscatorius</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal tracks associated with soft sediment
	16:09:01	398 345.1	7 075 647.1				
CP20300-TR08	17:09:25	398 326.3	7 072 092.7	18	CP20300-TR08-001 – CP20300-TR08-004	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), possible foraminiferans (?Foraminifera), krill (Euphausiacea) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	17:11:32	398 325.8	7 072 111.1				
	17:11:32	398 325.8	7 072 111.1	25	CP20300-TR08-005 – CP20300-TR08-011	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> and erect/massive/branching forms including: Axinellidae, ? <i>Haliclona</i> sp. and unidentified white branching Porifera), gorgonian coral (<i>Primnoa resedaeformis</i>), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa) and calcareous worm tubes (Serpulidae). Other fauna included: squat lobsters (Galattheoidea including <i>Munida</i> sp.), sea cucumber (<i>Parastichopus tremulus</i>), burrowing anemones (Ceriantharia), whelk (Buccinidae), pencil urchin (<i>Cidaris cidaris</i>), possible foraminiferans (?Foraminifera), krill (Euphausiacea) and gadoid fish (Gadiformes). Faunal burrows and tracks associated with soft sediment
	17:14:06	398 325.1	7 072 136.2				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR08	17:14:06	398 325.1	7 072 136.2	53	CP20300-TR08-012 – CP20300-TR08-026	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponge (Porifera including Axinellidae), pencil urchin (<i>Cidaris cidaris</i>), possible foraminiferans (?Foraminifera), krill (Euphausiacea) and gadoid fish (Gadiformes). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	17:20:07	398 323.6	7 072 188.7				
	17:20:07	398 323.6	7 072 188.7	14	CP20300-TR08-027 – CP20300-TR08-033	Cobbles and boulders overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect branching forms including: ? <i>Haliclona</i> sp.), faunal turf (Hydrozoa/Bryozoa), branching and encrusting bryozoans (Bryozoa) and calcareous worm tubes (Serpulidae). Other fauna included: squat lobsters (Galatheoidea including <i>Munida</i> sp.), starfish (<i>Henricia</i> sp.), possible foraminiferans (?Foraminifera) and gadoid fish (Gadiformes). Faunal tracks associated with soft sediment
	17:21:49	398 322.8	7 072 202.4				
	17:21:49	398 322.8	7 072 202.4	48	CP20300-TR08-033 – CP20300-TR08-047	Sporadic cobbles overlain gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), squat lobsters (<i>Munida</i> sp.), sponge (Porifera), mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), possible foraminiferans (?Foraminifera), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	17:26:27	398 318.5	7 072 250.3				
CP20300-TR09	14:31:32	397 785.0	7 074 706.7	68	CP20300-TR09-001 – CP20300-TR09-014	Sporadic cobbles overlain gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponge (Porifera), possible foraminiferans (?Foraminifera), pencil urchins (<i>Cidaris cidaris</i>), krill (Euphausiacea), gadoid fish (Gadiformes), saithe (<i>Pollachius virens</i>). Faunal burrows and tracks, possible <i>Nephrops norvegicus</i> burrow complexes
	14:39:27	397 778.0	7 074 774.4				
	14:39:27	397 778.0	7 074 774.4	13	CP20300-TR09-015 – CP20300-TR09-016	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sea cucumbers (<i>Parastichopus tremulus</i>), sponge (Porifera) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	14:40:01	397 790.3	7 074 777.2				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR09	14:40:01	397 790.3	7 074 777.2	29	CP20300-TR09-017 and CP20300-TR09-018	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: <i>Hymedesmia paupertas</i> and erect branching forms including: unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), green spoon worm (<i>Bonellia viridis</i>), sea cucumber (<i>Parastichopus tremulus</i>) and gadoid fish (Gadiformes)
	14:41:23	397 817.9	7 074 784.8				
	14:41:23	397 817.9	7 074 784.8	64	CP20300-TR09-019 – CP20300-TR09-036	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa) and calcareous worm tubes (Serpulidae). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), green spoon worm (<i>Bonellia viridis</i>), anemone (Actiniaria), starfish (<i>Henricia</i> sp.), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	14:46:18	397 810.5	7 074 848.9				
	14:46:18	397 810.5	7 074 848.9	13	CP20300-TR09-037 and CP20300-TR09-038	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera and erect/massive/branching forms including: Axinellidae, unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa) and encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), green spoon worm (<i>Bonellia viridis</i>), starfish (<i>Henricia</i> sp.), pencil urchins (<i>Cidaris cidaris</i>), redfish (Sebastidae) and saithe (<i>Pollachius virens</i>)
	14:47:11	397 823.9	7 074 848.1				
	14:47:11	397 823.9	7 074 848.1	14	CP20300-TR09-039 - CP20300-TR09-040	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Sponge (Porifera), possible foraminiferans (?Foraminifera) and saithe (<i>Pollachius virens</i>). Faunal burrows and tracks
	14:48:22	397 834.2	7 074 858.2				

Geodetic Parameters: ED50, UTM Zone 32N [m]							
Transect	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna/Bioturbation/Debris
		Easting	Northing				
CP20300-TR09	14:48:22	397 834.2	7 074 858.2	22	CP20300-TR09-041 – CP20300-TR09-049	Cobbles overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, <i>Phakellia</i> sp., unidentified white branching Porifera), gorgonian coral (<i>Paragorgia arborea</i>), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa) and calcareous worm tubes (Serpulidae). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), green spoon worms (<i>Bonellia viridis</i>), sea cucumber (<i>Parastichopus tremulus</i>), sea urchins (Echinidae), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>). Faunal tracks associated with soft sediment
	14:50:29	397 852.6	7 074 870.6				
	14:50:29	397 852.6	7 074 870.6	29	CP20300-TR09-050 – CP20300-TR09-057	Cobbles and boulder overlain gravelly, muddy sand/sandy mud	Taxa were dominated by sedentary and encrusting fauna associated with hard substrata and comprised: Sponges (encrusting Porifera including: ? <i>Aplysilla sulfurea</i> , <i>Hymedesmia paupertas</i> and erect/massive/branching forms including: Axinellidae, unidentified white branching Porifera), faunal turf (Hydrozoa/Bryozoa), encrusting bryozoans (Bryozoa). Other fauna included: squat lobsters (Galatheaidea including <i>Munida</i> sp.), green spoon worms (<i>Bonellia viridis</i>), pencil urchins (<i>Cidaris cidaris</i>), gadoid fish (Gadiformes) and saithe (<i>Pollachius virens</i>)
	14:52:40	397 842.1	7 074 897.7				
	14:52:40	397 842.1	7 074 897.7	8	CP20300-TR09-058	Gravelly, muddy sand/sandy mud	Fauna was sparse and included: Squat lobsters (<i>Munida</i> sp.), sponge (Porifera), mud-covered part buried sponges expected to include Biemnidae, Tethyidae, Tetillidae or Theneidae), green spoon worms (<i>Bonellia viridis</i>), possible foraminiferans (?Foraminifera), starfish (Asteroidea) and saithe (<i>Pollachius virens</i>). Faunal tracks
	14:53:16	397 842.9	7 074 906.1				
Notes ? = Identification is uncertain							

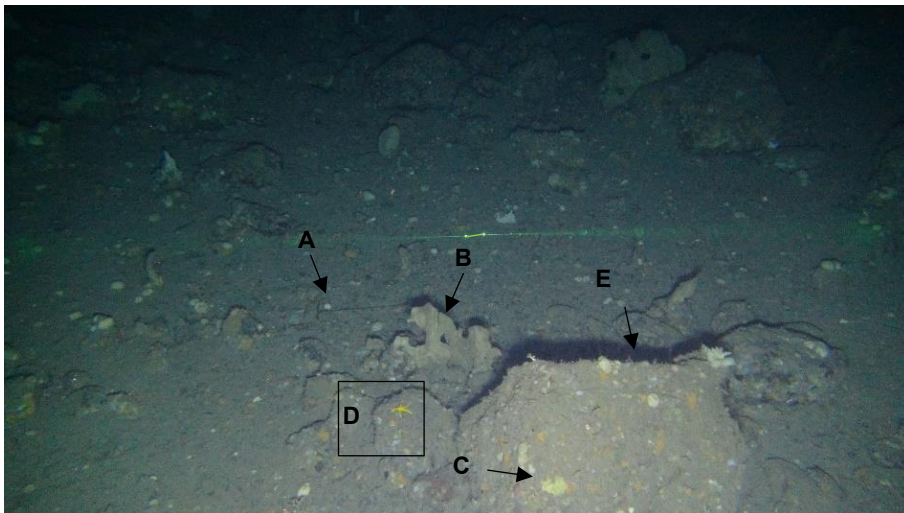
Appendix C

Seabed Photographs

C.1 Seabed Photographs

Laser scale = 6.5 cm

TRANSECT CP20300-TR01

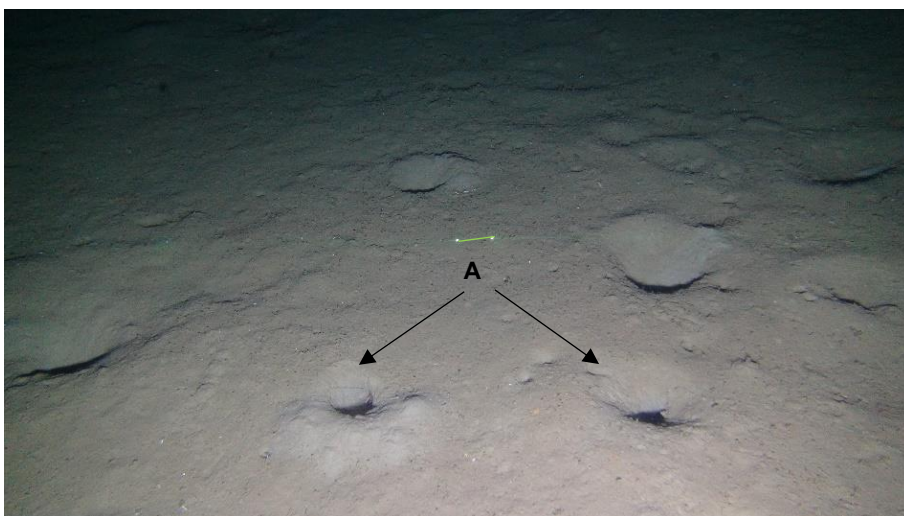


Photograph:
CP20300-TR01-007

Easting: 397 439.1 mE
Northing: 7 074 067.7 mN
Depth: 213 m BSL

Sediment Type:
Cobbles and boulder overlain
gravelly muddy sand/sandy mud

Fauna:
A: Green spoon worm
(*Bonellia viridis*)
B: Sponge (Axinellidae)
C: Starfish (*Henricia* sp.)
D: Sponge (Encrusting Porifera)
E: Faunal turf
(Hydrozoa/Bryozoa)



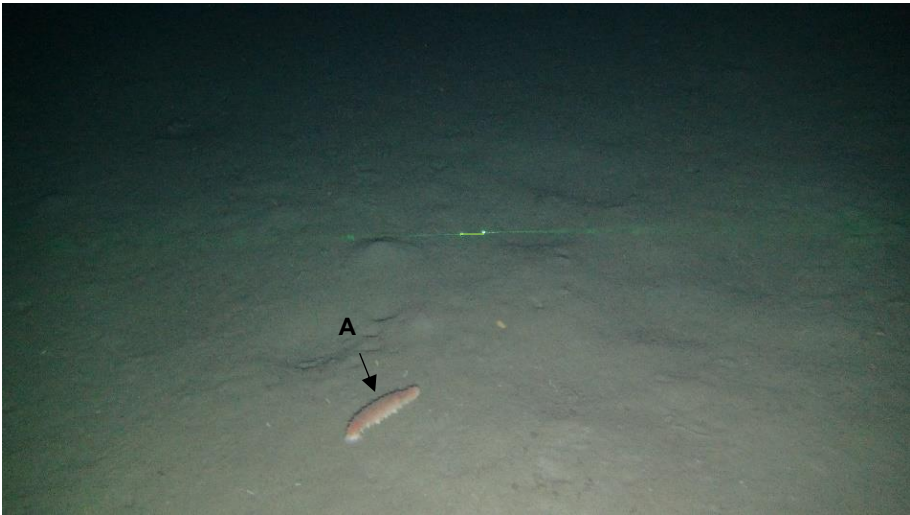
Photograph:
CP20300-TR01-054

Easting: 397 654.9 mE
Northing: 7 074 071.0 mN
Depth: 213 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
No fauna visible
Possible *Nephrops norvegicus*
burrow complex

TRANSECT CP20300-TR02

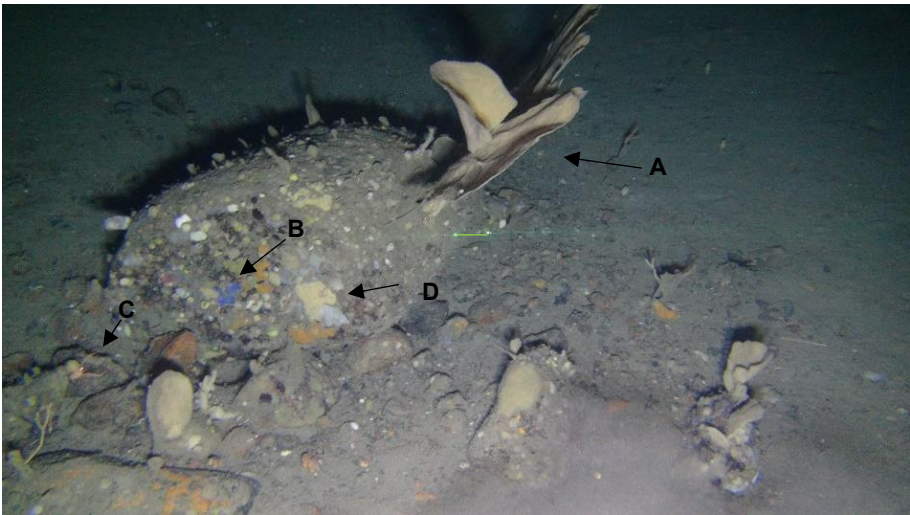


Photograph:
CP20300-TR02-011

Easting: 397 631.0 mE
Northing: 7 074 095.0 mN
Depth: 214 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
A: Sea cucumber
(*Parastichopus tremulus*)
Faunal burrows and tracks



Photograph:
CP20300-TR02-032

Easting: 397 569.2 mE
Northing: 7 074 161.1 mN
Depth: 213 m BSL

Sediment Type:
Cobbles and boulder overlain
gravelly muddy sand/sandy mud

Fauna:
A: Sponge (Axinellidae)
B: Encrusting sponge
(*Hymedesmia paupertas*)
C: Squat lobster (*Munida* sp.)
D: Encrusting sponge (Porifera)

TRANSECT CP20300-TR03

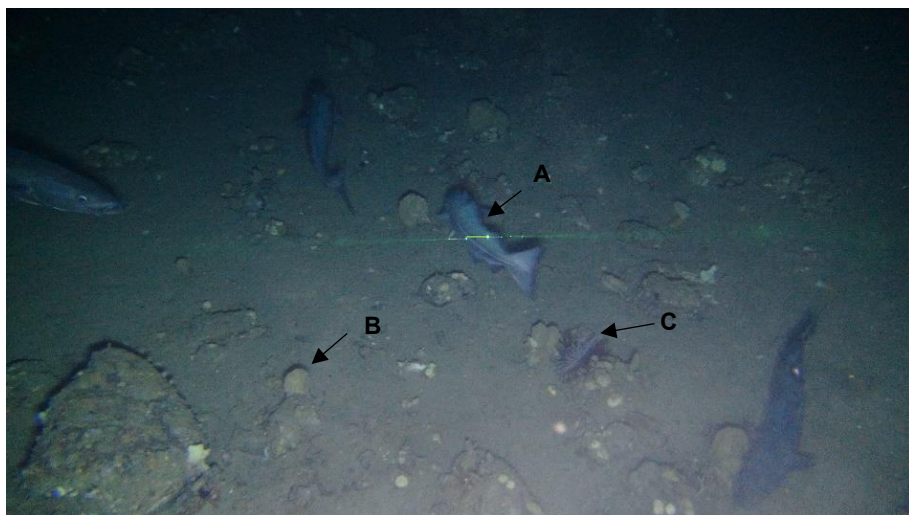


Photograph:
CP20300-TR03-001

Easting: 397 534.8 mE
Northing: 7 074 195.0 mN
Depth: 214 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
A: Saithe (*Pollachius virens*)
Faunal burrows and tracks



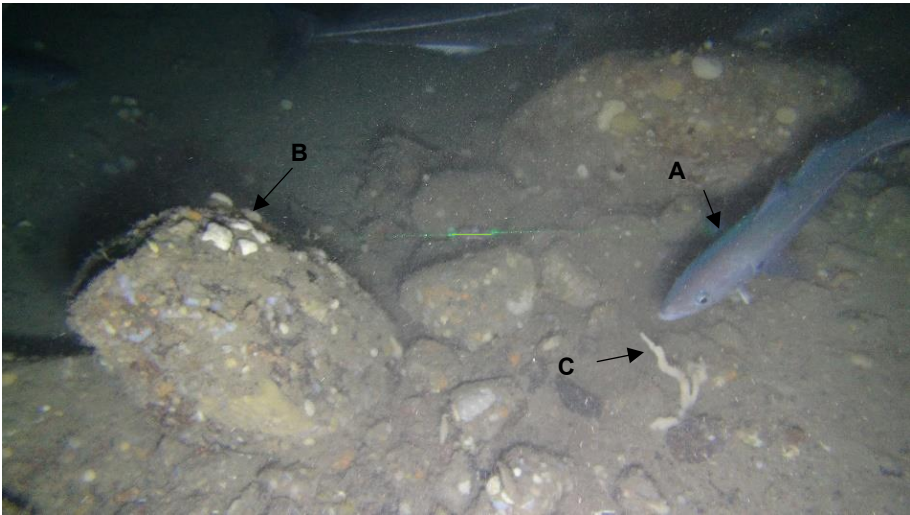
Photograph:
CP20300-TR03-028

Easting: 397 531.5 mE
Northing: 7 074 069.7 mN
Depth: 214 m BSL

Sediment Type:
Cobbles and boulder overlain
gravelly muddy sand/sandy mud

Fauna:
A: Saithe (*Pollachius virens*)
B: Sponge (*Axinellidae*)
C: Burrowing anemone
(*Ceriantharia*)

TRANSECT CP20300-TR04

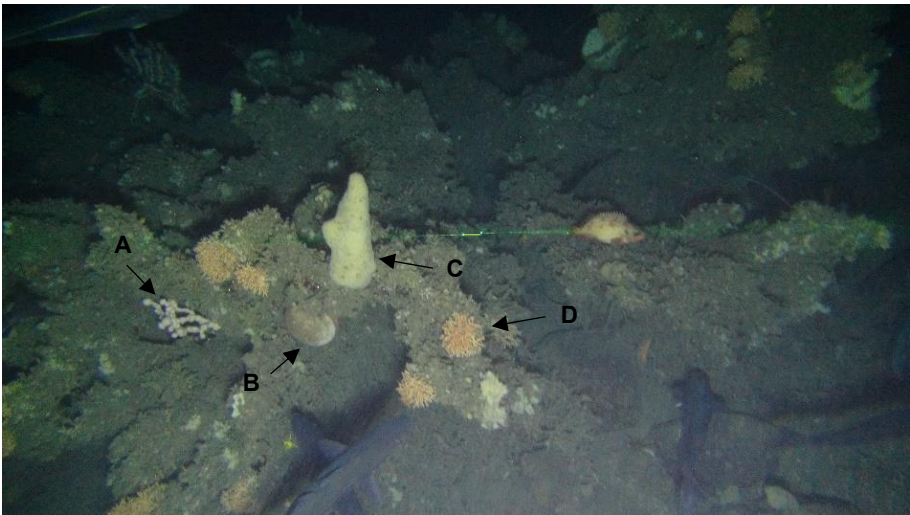


Photograph:
CP20300-TR04-033

Easting: 397 391.0 mE
Northing: 7 073 889.0 mN
Depth: 214 m BSL

Sediment Type:
Cobbles and boulder overlain
gravelly muddy sand/sandy mud

Fauna:
A: Saithe (*Pollachius virens*)
B: Sponge (encrusting Porifera)
C: Sponge (branching white
Porifera)



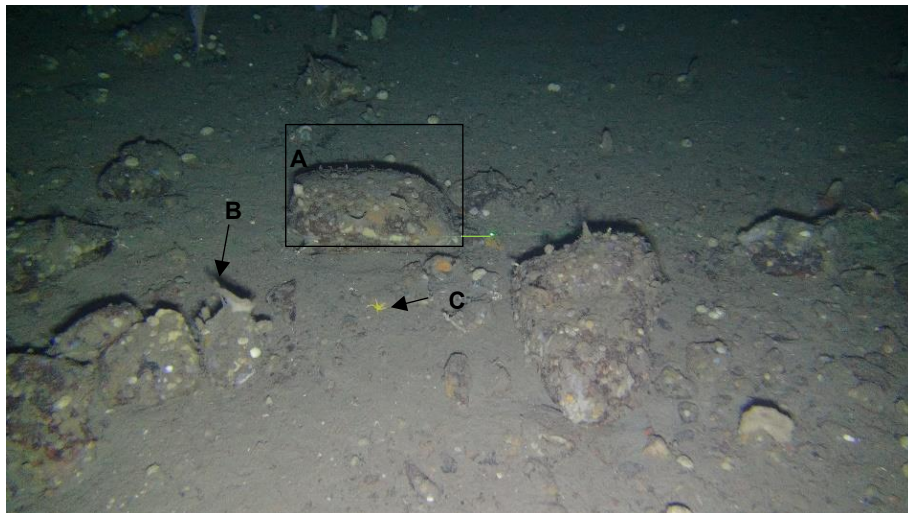
Photograph:
CP20300-TR04-058

Easting: 397 410.7 mE
Northing: 7 073 964.3 mN
Depth: 215 m BSL

Sediment Type:
Desmophyllum pertusum reef

Fauna:
A: Gorgonian coral
(*Paragorgia arborea*)
B: File clam (*Acesta excavata*),
C: Sponge (*Mycale lingua*)
D: Stony coral
(*Desmophyllum pertusum*)

TRANSECT CP20300-TR05



Photograph:
CP20300-TR05-019

Easting: 397 174.9 mE
Northing: 7 073 279.5 mN
Depth: 213 m BSL

Sediment Type:
Cobbles overlain gravelly muddy sand/sandy mud

Fauna:
A: Sponge (Encrusting Porifera)
B: Sponge (Axinellidae)
C: Starfish (*Henricia* sp.)



Photograph:
CP20300-TR05-050

Easting: 397 220.9 mE
Northing: 7 073 366.2 mN
Depth: 213 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
No fauna visible
Faunal burrows and tracks

TRANSECT CP20300-TR06



Photograph:
CP20300-TR06-023

Easting: 397 292.3 mE
Northing: 7 074 347.5 mN
Depth: 212 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
No fauna visible
Faunal burrows and tracks
Possible *Nephrops norvegicus*
burrow complexes



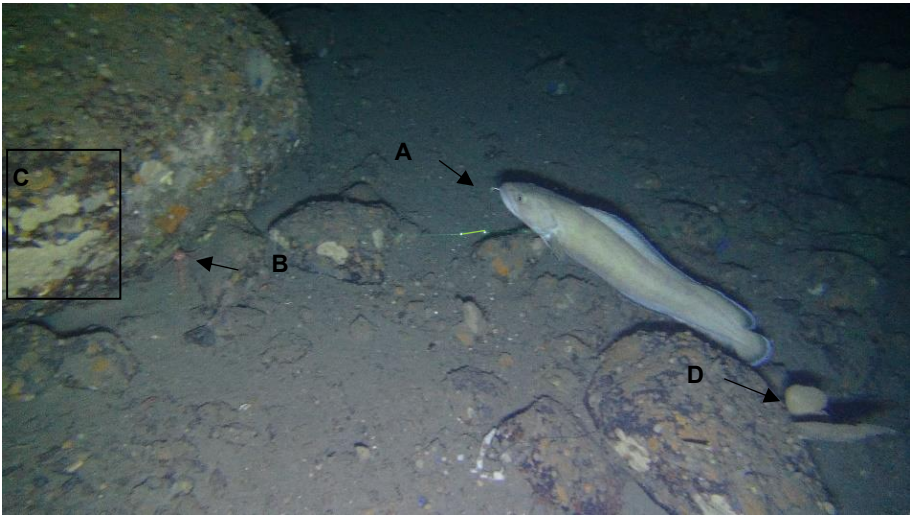
Photograph:
CP20300-TR06-026

Easting: 397 210.0 mE
Northing: 7 074 383.8mN
Depth: 212 m BSL

Sediment Type:
Cobbles and boulder overlain
gravelly muddy sand/sandy mud

Fauna:
A: Sponge (branching white
Porifera)
B: Sponge (Axinellidae)

TRANSECT CP20300-TR07



Photograph:
CP20300-TR07-014

Easting: 398 225.4 mE
Northing: 7 075 486.6mN
Depth: 210 m BSL

Sediment Type:
Cobbles and boulders overlain
gravelly muddy sand/sandy mud

Fauna:
A: Tusk (*Brosme brosme*)
B: Squat lobster (*Munida* sp.)
C: Sponge (Encrusting Porifera)
D: Sponge (Axinellidae)



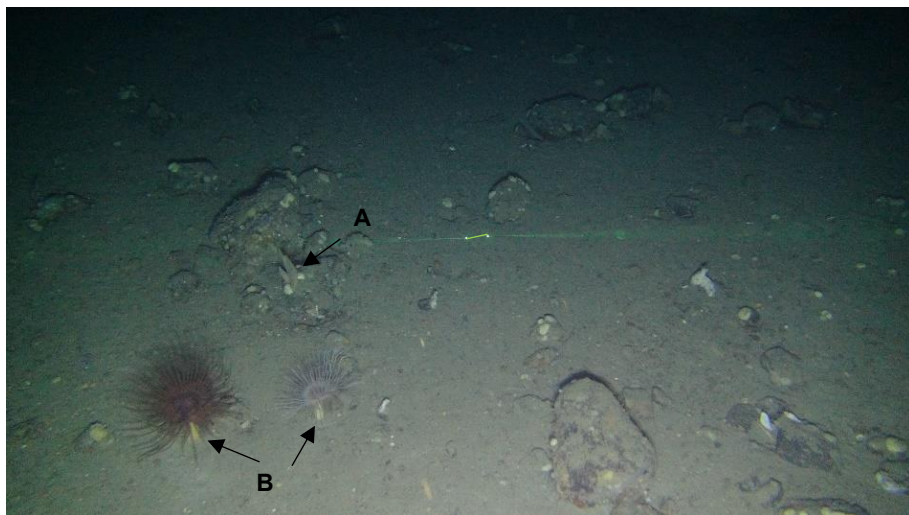
Photograph:
CP20300-TR07-057

Easting: 398 337.7 mE
Northing: 7 075 592.5 mN
Depth: 210 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
No fauna visible
Faunal burrows and tracks

TRANSECT CP20300-TR08



Photograph:
CP20300-TR08-009

Easting: 398 328.1 mE
Northing: 7 072 126.3 mN
Depth: 215 m BSL

Sediment Type:
Cobbles overlain gravelly muddy sand/sandy mud

Fauna:
A: Sponge (Axinellidae)
B: Burrowing anemone (Ceriantharia)



Photograph:
CP20300-TR08-042

Easting: 398 319.8 mE
Northing: 7 072 232.2 mN
Depth: 215 m BSL

Sediment Type:
Muddy sand/sandy mud

Fauna:
No fauna visible
Faunal burrows and tracks

TRANSECT CP20300-TR09




Photograph:
CP20300-TR09-019

Easting: 397 797.7 mE
Northing: 7 074 780.5 mN
Depth: 212 m BSL

Sediment Type:
Cobbles overlain gravelly muddy sand/sandy mud

Fauna:
A: Green spoon worm (*Bonellia viridis*)
B: Squat lobster (*Munida* sp.)



Photograph:
CP20300-TR09-033

Easting: 397 812.1 mE
Northing: 7 074 836.7 mN
Depth: 212 m BSL

Sediment Type:
Cobbles overlain gravelly muddy sand/sandy mud

Fauna:
A: Gadoid fish (Gadiformes)
B: Sponge (Axinellidae)
C: Squat lobster (*Munida* sp.)
D: Encrusting sponge (*Hymedesmia paupertas*)