



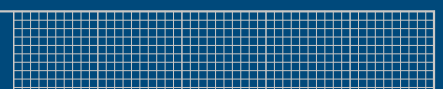
**ElAR Volume 4: Offshore Infrastructure
Technical Appendices
Appendix 4.3.3-4
Fugro – WPM1, WPM2 & WPM3 –
Array Area & ECR – Environmental
Features Report**

Kish Offshore Wind Ltd

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Fugro – WPM1, WPM2 & WPM3 – Array Area & ECR – Environmental Features Report (Habitat Analysis Only)

Dublin Array Offshore Site Investigation | Ireland, Irish Sea

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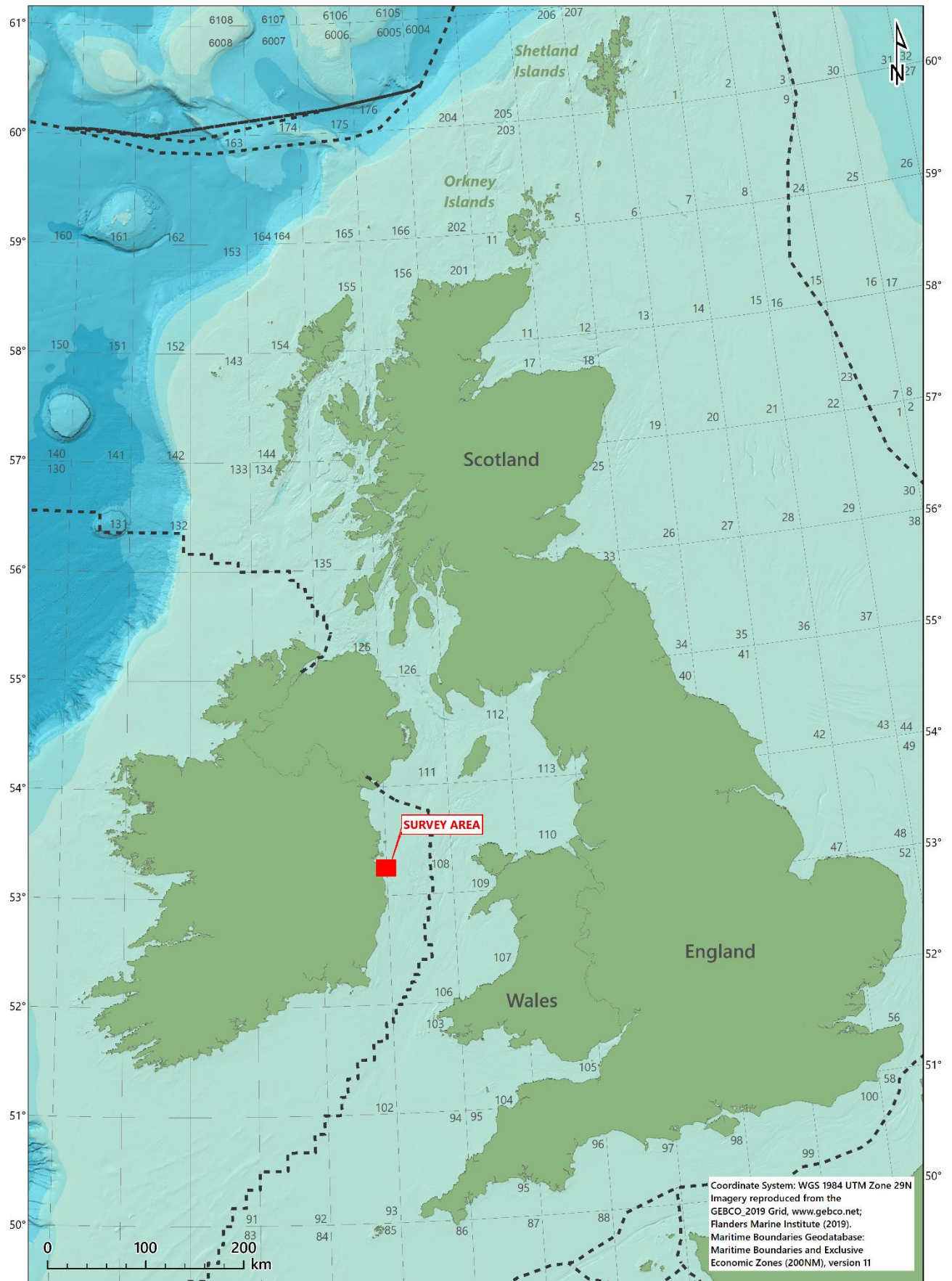
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Frontispiece



Executive Summary

Introduction

On the instruction of RWE Renewables Ireland Limited, Fugro performed a benthic subtidal survey to provide an environmental characterisation of the site prior to the development of the Dublin Array Offshore Wind Farm. The site was located in and around the Dublin Bay area off the east coast of Ireland in the Irish Sea. Operations were conducted onboard the MV Fastnet Pelican during the survey period 14 February to 19 March 2021.

Survey Strategy

Thirty drop-down camera and grab sampling stations were proposed. Photographic data were successfully acquired along 29 of the 30 proposed transects. Station ST25 was not attempted due to the presence of fishing gear. A full suite of grab samples were successfully acquired at 28 of the 30 stations. Two stations were not attained; ST25 due to obstructing fishing gear and ST12 due to the presence of boulders.

Seabed Habitats

Three habitats were identified within the survey area. The main habitat type was described as the EUNIS habitat 'Sublittoral sand' (A5.2). Other habitat types described included the biotope complexes 'Circalittoral mixed sediments' (A5.44) and 'Atlantic and Mediterranean high energy infralittoral rock' (A3.1).

Potentially Sensitive Habitats or Species

Boulders and cobbles were observed at station ST12 therefore an assessment was undertaken for the potential presence of the Annex I habitat 'stony reef'. The classification of 'reefiness' ranged from 'not a reef' to 'medium reef'. The stations located on the Kish and Bray sandbanks (ST16 to ST21) also meet the criteria of the Annex I habitat 'Sandbanks which are slightly covered by sea water all the time'.

No other potentially sensitive habitats or species were observed in the survey area.

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Abbreviations

BSL	Below sea level
DG	Day grab
EEA	European Environment Agency
EMODnet	European Marine Observation and Data Network
EOL	End of line
EPSCG	European Petroleum Survey Group
EU	European Union
EUNIS	European Nature Information System
FA	Fauna sample A
GPS	Global Positioning System
HC	Hydrocarbon sample

HD	High definition
HG	Hamon grab
HM	Heavy metal sample
LAT	Lowest Astronomical Tide
LED	Light emitting diode
MV	Motor vessel
NF	No fix
NPWS	National Parks and Wildlife Service
NS	No sample
OSPAR	Oslo and Paris Commission
PC	Physico-chemical sample
PSD	Particle size distribution
SAC	Special Area of Conservation
SPA	Special Protection Area
SOL	Start of line
SSS	Side scan sonar
STR	Subsea Technology and Rentals
UTC	Coordinated Universal Time
UTM	Universal Transverse Mercator
WGS 84	World Geodetic System 1984
WoRMS	World Register of Marine Species
?	Identification is uncertain

1. Introduction

1.1 General Project Description

On the instruction of RWE Renewables Ireland Limited, Fugro performed a benthic subtidal survey to provide an environmental baseline characterisation of the site prior to the development of the Dublin Array Offshore Wind Farm. The site was located within Dublin Bay area, on the East coast of Ireland in the Irish Sea. Operations were conducted onboard the MV Fastnet Pelican during the survey period 14 February to 19 March 2021.

The benthic subtidal survey was carried out to provide a robust baseline characterisation of the site and to supplement the existing benthic ecology data that exists across the area of interest. Photographic data were acquired to describe the habitats and epifauna/flora present within the survey area, and to identify the presence and extent of any Annex I habitats, as well as any other habitats or species of conservation interest. Sediment grab samples were acquired to establish the physico-chemical (PC) and biological properties of the sediment at key locations to characterise the background conditions across the survey area and these results will be reported in the Benthic Ecology Monitoring report.

This report details the results of the habitat assessment. Appendix A outlines the guidelines for use of this report.

1.2 Scope of Work

1.2.1 Environmental Survey

The benthic subtidal survey investigated 30 sampling locations that were predetermined by RWE Renewables Ireland Limited.

This was undertaken by drop down video (DDV) transects (a minimum of 50 m in length) prior to sediment sampling with a 0.1 m² mini Hamon grab for fauna and particle size distribution (PSD) analysis.

Of these 30 stations, 15 were selected for chemistry sampling using a 0.1 m² day grab. These stations were selected in the field by the onboard environmental scientists to gain representation of the habitats in the survey area but to also target more muddy or sandy sediments.

1.3 Environmental Legislation

The environmental legislation protecting marine habitats in Ireland is derived from directives put in place by the EU, namely the Habitats Directive (92/43/EEC) and the Birds Directive (79/409/EEC) (National Parks and Wildlife Service [NPWS], 2021a).

Under the Habitats Directive, Special Areas of Conservation (SACs) are designated to maintain a representative sample of habitats and species listed under Annex I and II of the Directive.

Relevant habitats include: estuaries, large shallow inlets and bays, mudflats and sandflats not covered by seawater at low tide, reefs, sandbanks which are slightly covered by sea water all the time and submarine structures made by leaking gases (NPWS, 2021b).

Relevant species listed under Annex II include: common bottlenose dolphin (*Tursiops truncatus*), harbour porpoise (*Phocoena phocoena*), grey seal (*Halichoerus grypus*), harbour seal (*Phoca vitulina*), twait chad (*Alosa fallax*), Atlantic salmon (*Salmo salar*), and sea lamprey (*Petromyzon marinus*) (NPWS, 2021b).

Special Protection Areas (SPAs) are designated under the Birds Directive for the protection of particular bird species, internationally important aggregations of birds, or significant wetland areas that provide essential resources for resident or migrating birds. Many SPAs in Ireland are coastal, intertidal or include small offshore islands (NPWS, 2021c).

Ireland is also included in the OSPAR Convention to Protect the Marine Environment of the North East Atlantic, where Ireland has committed to further developing an ecologically coherent OSPAR network of well-managed marine protected areas ("the OSPAR Network"). There are 19 OSPAR sites in Ireland, however all of them are concurrent with sites that are already designated under the Habitats Directive and Birds Directive (SACs and SPAs) (OSPAR, 2008; NPWS, 2021c).

1.4 Regional Habitats and Protected Areas

Based on the European Marine Observation and Data Network (EMODnet) seabed habitats map, the Dublin Array survey area lies in an area likely to comprise the European Nature Information System (EUNIS) habitats 'Circalittoral muddy sand' (A5.26) and 'Deep circalittoral sand' (A5.27), with areas of 'Infralittoral sandy mud' (A5.33), 'Circalittoral sandy mud' (A5.35), 'Circalittoral mixed sediment' (A5.44) and Atlantic and Mediterranean high energy Circalittoral rock (A3.1) (EMODnet, 2019).

Table 1.1 lists the relevant nearby marine protected areas within 25 km of the survey area, summarising the sensitive habitats and species for which they were designated to protect. Figure 1.1 spatially displays the protected areas in relation to the Dublin Array Offshore Wind Farm survey area.

Table 1.1: Summary of relevant nearby marine protected areas

Protected Area	Distance* [km]	Direction*	Protected Habitats/Species
Special Areas of Conservation			
Rockabill to Dalkey Island	0	Inside survey area	<i>Phocoena phocoena</i> (Harbour porpoise)
South Dublin Bay	0.6	W	Mudflats and sandflats not covered by seawater at low tide [1140]
North Dublin Bay	1.3	NW	Mudflats and sandflats not covered by seawater at low tide [1140]
Baldoyle Bay	5.9	N	Mudflats and sandflats not covered by seawater at low tide [1140]
Malahide Estuary	10.6	NW	Mudflats and sandflats not covered by seawater at low tide [1140]
Codling Fault Zone	14.5	NE	Submarine structures made by leaking gases
Rogerstown Estuary	17.3	NW	Estuaries [1130] Mudflats and sandflats not covered by seawater at low tide [1140]
Lambay Island	17.4	N	Reefs [1170] <i>Halichoerus grypus</i> (Grey Seal) [1364] <i>Phoca vitulina</i> (Harbour Seal) [1365]
Wicklow Reef	21.1	S	Reefs [1170]
Special Protection Areas			
Dalkey Island	0	Inside survey area	<i>Sterna dougallii</i> (Roseate tern), <i>Sterna hirundo</i> (Common tern), <i>Sterna paradisaea</i> (Arctic tern)
South Dublin Bay and River Tolka Estuary	0.25	W	Numerous species of wetland and marine birds
North Bull Island	1.2	N	Numerous species of wetland and marine birds
Howth Head Coast	4.4	N	<i>Rissa tridactyla</i> (Kittiwake)
Baldoyle Bay	5.7	N	Numerous species of wetland and marine birds
Ireland's Eye	7.8	N	Cormorant (<i>Phalacrocorax carbo</i>), Herring Gull (<i>Larus argentatus</i>), Kittiwake (<i>Rissa tridactyla</i>), Guillemot (<i>Uria aalge</i>), Razorbill (<i>Alca torda</i>)
Malahide Estuary	11.4	NW	Numerous species of wetland and marine birds
Rogerstown Estuary	17	N	Numerous species of wetland and marine birds
Lambay Island	17.5	N	Numerous species of wetland and marine birds
Notes * = Distance and direction from the nearest station in the Dublin Array survey area Source: National Parks and Wildlife Service Protected Sites Map Viewer			

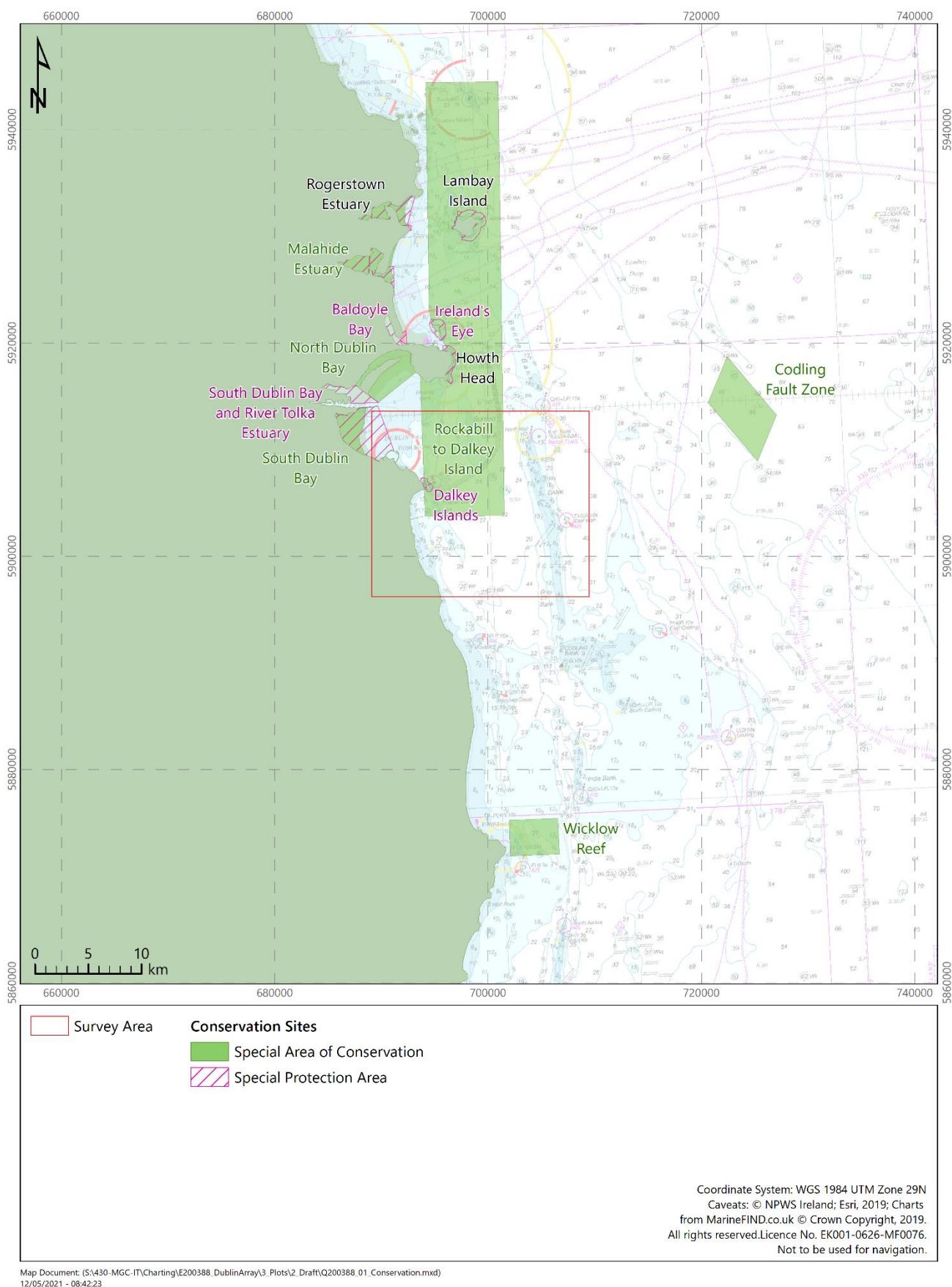


Figure 1.1: Protected areas relevant to the survey area

1.5 Coordinate Reference System

All coordinates in this report are referenced on World Geodetic System 1984 (WGS 84) Universal Transverse Mercator (UTM) 29N (European Petroleum Survey Group [EPSG] code 32629). Table 1.2 provides the detailed geodetic and projection parameters.

Table 1.2: Project geodetic and projection parameters

Global Positioning System Geodetic Parameters	
Datum:	World Geodetic System 1984 (WGS 84)
Spheroid:	World Geodetic System 1984
Semi major axis:	$a = 6\,378\,137.000\text{ m}$
Reciprocal flattening:	$1/f = 298.257\,223\,563$
Project Projection Parameters	
Grid Projection:	Universal Transverse Mercator (UTM)
UTM Zone:	29N
Central Meridian:	$9^{\circ}\,00'\,00''\text{ West}$
Latitude of Origin:	$00^{\circ}\,00'\,00''\text{ North}$
False Easting:	$500\,000\text{ m}$
False Northing:	0 m
Scale factor on Central Meridian:	0.9996
Units:	Metre

2. Survey Strategy

2.1 Habitat Assessment

Thirty environmental sampling stations were predetermined by RWE Renewables Ireland Limited. Stations were proposed after reviewing existing geophysical data. Particular emphasis was placed on locating areas of potential conservation value (e.g. Annex I listed habitats), on boundaries between areas of differing sonic reflectivity, bathymetric highs and lows and areas characteristic of the general background conditions of the site.

At each environmental sampling station, video and stills photography were to be acquired along transects (a minimum of 50 m in length) prior to the collection of one macrofaunal and one particle size distribution (PSD) sample. An additional PC sample for sediment chemistry analysis was to be taken at representative locations within each identified habitat type using a Day grab. Focus was placed on muddy habitats where there is greater risk of accumulation of contaminants.

On request of the client, station ST28 was relocated during the survey to ground-truth a geophysical anomaly observed on the side scan sonar (SSS) and bathymetric data, and station ST30 was relocated north to avoid the fishing gear present.

Table 2.1 and Table 2.2 provide the coordinates, data to be acquired and rationale for each proposed location. Acceptable sampling accuracy was agreed with the client representative as within 25 m of the target location. Figure 2.1 provides a spatial display of the proposed locations overlain on bathymetry data.

Table 2.1: Proposed sampling stations

Geodetic Parameters: WGS 84 Zone 29N [m]; EPSG 32629]				
Station	Easting	Northing	Rationale	Data and Sample Acquisition*
ST01	689 094.1	5 912 677.4	Predetermined by the client. Moved north to avoid cable by 500 m	Video and stills, PSD, FA
ST02	691 702.2	5 911 261.4	Predetermined by the client	Video and stills, PSD, FA
ST03	694 338.4	5 909 729.5	Predetermined by the client	Video and stills, PSD, FA
ST04	697 993.5	5 907 917.5	Predetermined by the client	Video and stills, PSD, FA
ST05	700 944.1	5 907 928.9	Predetermined by the client	Video and stills, PSD, FA
ST06	701 280.3	5 906 492.8	Predetermined by the client	Video and stills, PSD, FA
ST07	702 258.2	5 904 349.2	Predetermined by the client	Video and stills, PSD, FA
ST08	699 774.6	5 904 314.5	Predetermined by the client	Video and stills, PSD, FA
ST09	701 764.6	5 902 250.5	Predetermined by the client	Video and stills, PSD, FA
ST10	698 883.4	5 902 602.4	Predetermined by the client	Video and stills, PSD, FA
ST11	695 241.9	5 903 564.7	Predetermined by the client	Video and stills, PSD, FA

Geodetic Parameters: WGS 84 Zone 29N [m]; EPSG 32629]				
Station	Easting	Northing	Rationale	Data and Sample Acquisition*
ST12	693 990.7	5 901 880.2	Predetermined by the client	Video and stills, PSD, FA
ST13	696 409.4	5 901 881.4	Predetermined by the client	Video and stills, PSD, FA
ST14	699 505.9	5 900 159.7	Predetermined by the client	Video and stills, PSD, FA
ST15	702 295.0	5 899 381.6	Predetermined by the client	Video and stills, PSD, FA
ST16	704 212.5	5 909 508.2	Predetermined by the client	Video and stills, PSD, FA
ST17	704 861.7	5 907 490.8	Predetermined by the client	Video and stills, PSD, FA
ST18	705 260.1	5 904 718.1	Predetermined by the client	Video and stills, PSD, FA
ST19	705 698.0	5 901 455.7	Predetermined by the client	Video and stills, PSD, FA
ST20	706 749.4	5 898 724.8	Predetermined by the client	Video and stills, PSD, FA
ST21	706 424.2	5 896 268.8	Predetermined by the client	Video and stills, PSD, FA
ST22	691 067.8	5 913 578.9	Predetermined by the client. Moved south-east to avoid pipeline by 500 m	Video and stills, PSD, FA
ST23	693 421.5	5 912 050.3	Predetermined by the client. Moved north to avoid cable by 500 m	Video and stills, PSD, FA
ST24	696 153.0	5 910 223.0	Relocated away from Spoil Ground with approval of the client	Video and stills, PSD, FA
ST25	695 501.5	5 899 025.1	Predetermined by the client	Video and stills, PSD, FA
ST26	698 395.5	5 897 758.2	Predetermined by the client	Video and stills, PSD, FA
ST27	700 902.4	5 896 813.4	Predetermined by the client. Moved east to avoid wreck by 500 m	Video and stills, PSD, FA
ST28 [†]	707 841.9	5 907 074.9	Predetermined by the client	Video and stills, PSD, FA
ST29	708 844.1	5 903 199.4	Predetermined by the client	Video and stills, PSD, FA
ST30 [†]	709 487.4	5 896 932.7	Predetermined by the client	Video and stills, PSD, FA
Notes * = Representative sediment chemistry sampling (HC, HM) will be selected on survey, where possible for each identified habitat type, concentrating particularly on muddy habitats (if any) † = Original proposed sample location defined in Scope of Work PSD = Particle size distribution sample FA = Faunal sample A				

Table 2.2: Proposed new ST28 and ST30 station locations

Geodetic Parameters: WGS 84 Zone 29N [m]; [EPSG 32629]					
Station		Easting	Northing	Rationale	*Data and Sample Acquisition
ST28	SOL	706 925.6	5 907 690.6	Updated station location to ground truth potential depressions	Video, stills PSD, FA
	EOL	706 918.6	5 907 770.3		
ST30		709 166.3	5 897 688.7	Moved to avoid fishing gear	Video, stills PSD, FA
Notes SOL = Start of line EOL = End of line PSD = Particle size distribution sample FA = Faunal sample A					

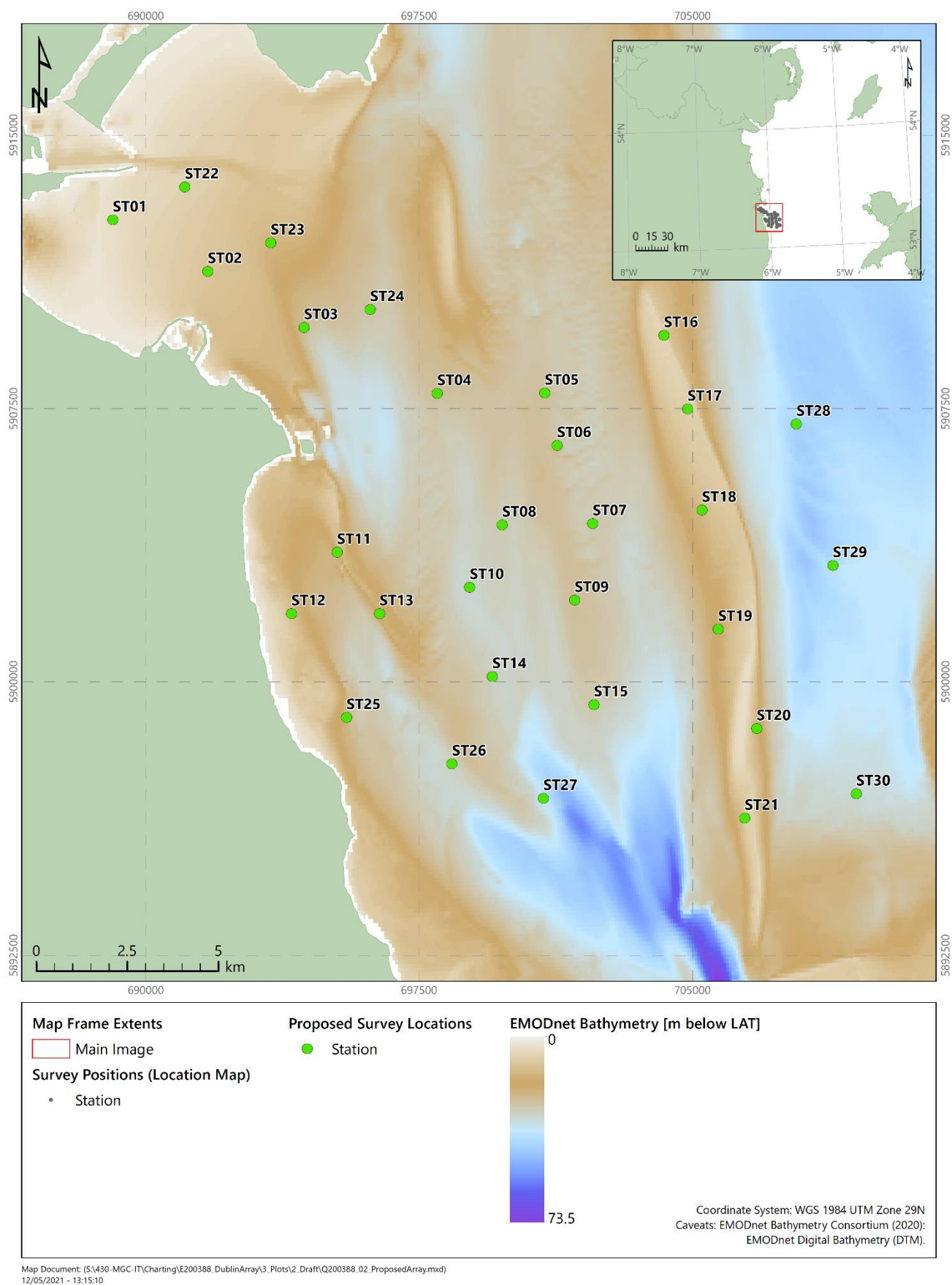


Figure 2.1: Proposed environmental survey locations

3. Methods

3.1 Survey Methods

3.1.1 Seabed Photography

Seabed photography was acquired using a Kongsberg OE 14-208 camera system mounted within a purpose-built camera frame complete with a separate strobe and two halogen lamps. Two lasers were set up 23 cm apart to provide a scale. Seabed photography was also acquired using a Bowtech SeaKnight underwater camera system mounted within a purpose-built camera frame, complete with a HD video camera and high-resolution stills camera (14.7 mega pixel), two LED lamps and two lasers set up 18.5 cm apart.

In areas of poor visibility, seabed photography was acquired using a Subsea Technology and Rentals (STR) SeaSpyder Nano HD drop-down camera system. This system comprised an STR SeaCam Mini IP camera and two ultra-efficient STR SeaLight LED lights installed in a freshwater frame.

3.1.2 Sediment Sampling

Seabed samples were acquired using a 0.1 m² mini Hamon grab for fauna and PSD samples and a 0.1 m² Day grab for sediment chemistry samples.

3.2 Interpretation Methods

3.2.1 Seabed Habitat Classification

To assess the habitats present within the survey area, detailed analysis of video and still photographic data was undertaken 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 photographic data 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 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 (1954) 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 the proportions of 'mud', 'sand' and 'gravel'. As the majority of differences within sediment classification are related to differences from sands to muddy sand, further sub-categories, namely 'mud', 'sandy mud' and 'muddy sand' are utilised

(Kaskela et al., 2019). For example, a description of 'muddy sand' defines sediments that have sand as the principle component (50 % to 90 %) with a secondary component of mud (10 % to 50 %) and < 5 % gravel (Kaskela et al., 2019). The EMODnet Geology Consortium further revised these categories to include a further category 'Rock and Boulders' (Kaskela et al., 2019), which include the Wentworth (1922) categories 'boulders' and 'cobbles'. The presence of shells and evident anthropogenic features were also noted.

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	Wentworth (1922)	Folk (1954)	Folk, 5 classes (Kaskela et al., 2019)			
> 256 mm	Boulder	Gravel	Rock & Boulders			
64 mm to 256 mm	Cobble					
32 mm to < 64 mm	Pebbles		Coarse sediment: (Gravel ≥ 80 %, or Gravel ≥ 5 % and Sand ≥ 90 %)	Mixed sediment: (Mud ≥ 10 % - 95 % Sand < 90 % Gravel ≥ 5%)	Mud to muddy sand*: (Mud 10 % - 95 % Sand < 90 % Gravel < 5 %)	Sand: (Mud < 10 % Sand ≥ 90 % Gravel < 5%)
16 mm to < 32 mm						
8 mm to < 16 mm						
4 mm to < 8 mm						
2 mm to < 4 mm	Granules					
1 mm to < 2 mm	Very coarse sand	Sand				
0.5 mm to < 1 mm	Coarse sand					
0.25 mm to < 0.5 mm	Medium sand					
0.125 mm to < 0.25 mm	Fine sand					
62.5 μm to 0.125 mm	Very fine sand					
> 4 μm to 62.5 μm	Silt	Mud				
> 1 μm to 4 μm	Clay					
Notes						
* = Mud to muddy sand 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 European Nature Information Service (EUNIS) habitat classification (European Environment Agency [EEA], 2019). Table 3.2 summarises the EUNIS hierarchy, with an example of the coding system. 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 data. 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 (EEA, 2019) 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

3.2.1 Sensitive Habitats and Species

Following an initial review of video and photography data the presence of any sensitive habitat and species were assessed using the methods outlined below.

3.2.1.1 Stony Reef

When considering the potential of an area as the Annex I habitat 'Stony reef', the composition of the substrate is an important characteristic. Stony reef is defined as comprising coarse sediments with a diameter greater than 64 mm (cobbles and boulders) that provide a hard substratum. The relationship between the coarse material and sediment in which it lies is integral in determining 'reefiness'. Matrix (soft sediment) supported material is likely to have a patchier distribution than clast (coarse sediment) supported and so have lower 'reefiness', additionally matrix supported material is likely to have a larger infaunal component which again reduces its 'reefiness' (Irving, 2009). Reefs are also defined as having relief from the seafloor, and as such relief is used as another criterion for assessment. The epifaunal community of potential reef habitat is also a key determinant of its 'reefiness' and proportion of epifauna species to infaunal species is therefore included as an assessment criterion. Within the Irving (2009) scheme, areas of potential stony reef habitat must have an area of greater than 25 m² to be classified as reef; this report also adopts this minimum area.

Table 3.3 presents the Irving (2009) criteria of 'reefiness' for stony reef habitat assessments.

Table 3.3: Measures of 'Reefiness' for stony reef habitat (Irving, 2009)

Characteristic	Resemblance to a 'Stony reef'			
	Not a reef	Low	Medium	High
Composition Diameter of cobbles/boulders being greater than 64 mm. Percentage cover relates to a minimum area of 25 m ² . The 'composition' characteristic also includes 'patchiness'.	< 10 %	10 % – 40 %	40 % – 95 %	> 95 %
Elevation Minimum height (64 mm) relates to minimum size constituent cobbles. This characteristic could also include 'distinctness' from the surrounding seabed. Note that two units (mm and m) are used.	Flat seabed	< 64 mm	64 mm – 5 m	> 5 m
Extent	< 25 m ²		> 25 m ²	
Biota	Dominated by infaunal species	-	-	> 80 % of species present composed of epifaunal species

3.2.1.2 Sandbanks which are Slightly Covered by Sea Water all the Time

When considering the Annex I habitat 'Sandbanks which are slightly covered by sea water all the time' the important qualifying features include large scale topography, sediment composition and biological assemblages (Duncan, 2016).

'Sandbanks which are slightly covered by sea water all the time' consist of sandy sediments that are permanently covered by shallow sea water, typically at depths of less than 20 m. The habitat comprises distinct banks (i.e. elongated, rounded or irregular 'mound' shapes) which may arise from horizontal or sloping plains of sandy sediment. Where the areas of horizontal or sloping sandy habitat are closely associated with the banks, they are included within the Annex I type (Joint Nature Conservation Committee [JNCC], 2021).

The diversity and types of community associated with this habitat are determined particularly by sediment type together with a variety of other physical, chemical and hydrographic factors. Shallow sandy sediments are typically colonised by a burrowing fauna of worms, crustaceans, bivalve molluscs and echinoderms. Mobile epifauna at the surface of the sandbank may include shrimps, gastropod molluscs, crabs and fish. Sandeels (Ammodytidae) an important food for birds, live in sandy sediments. Where coarse stable material, such as shells, stones or maerl is present on the sediment surface, species of foliose seaweeds, hydroids, bryozoans and ascidians may form distinctive communities (JNCC, 2021).

Table 3.4 presents the Pinder et al. (2020) measures of 'Sandbanks which are covered by sea water all the time'.

Table 3.4: Measures of 'Sandbanks which are covered by sea water all the time' Habitat (Pinder et al., 2020)

Descriptor	Suitability		
	Suitable	Less suitable or need more information	Unsuitable
Topography	Permanently submerged and water depth is seldom >20 m. Predominantly surrounded by deeper water.	Permanently submerged and water depth is seldom <20 m. NOT predominantly surrounded by deeper water or uncertain bank edge (e.g. gradual transition, sand waves, poor data)	NOT permanently submerged and/or top of bank NOT in <20 m of water depth
Substrate or vegetation type	Composed mainly (> = 50 %) of sandy sediment – interpreted as sediment < 30 % gravel and more sand than mud and/or vegetated with <i>Zostera marina</i> (sea grass) and/or free living species of the Corallinaceae family (maerl) and associated biota are dependent on the sand rather than any underlying hard substrata	NOT composed mainly of sandy sediment – i.e. sediment > 30 % gravel and less sand than mud and NOT vegetated with <i>Zostera marina</i> (sea grass) and/or free living species of the Corallinaceae family (maerl) and associated biota are dependent on the sand rather than any underlying hard substrata	Hard substrata at the surface
Proximity to sandbanks and similarity of benthic communities	Seabed is adjacent to Annex I sandbank and data shows benthic communities are similar	Seabed is adjacent to Annex I sandbank and little to no data available to judge similarity of benthic communities	Seabed is NOT adjacent to Annex I sandbanks and/or data shows benthic communities are NOT similar

'Sandbanks which are slightly covered by sea water all the time' occur widely on the Atlantic coasts of north-west Europe and are also frequently associated with other marine Annex I habitats, for example grading into '1140 Mudflats and sandflats not covered by sea water at low tide' in the intertidal zone. They are often component habitats of '1130 Estuaries' and '1160 Large shallow inlets and bays' (JNCC, 2021).

4. Results

4.1 Field Operations

Photographic data were successfully acquired at 29 of the 30 proposed stations. Station ST25 was not attempted due to the presence of fishing gear. Thirteen stations were re-run due to technical issues or poor visibility and were renamed with the suffix A (or B if an additional attempt was made). The video quality at station ST10 and ST27 was reduced due to poor visibility but the data was deemed acceptable by the client and a re-run was not required. An additional camera transect to investigate the extent and distribution of features at station ST12 could not be undertaken due to visibility. Table 4.1 details the photographic data acquired at each station.

Grab samples were successfully acquired at 28 of the 30 proposed stations. Station ST25 was not attempted due to the presence of fishing gear and station ST12 was not attempted due to the presence of boulders. A complete suite of samples (one macrofauna and one PSD sample) were retained at all 28 stations. Contaminant samples comprising HM and HC subsamples were taken at 15 stations. Table 4.2 details the acquired grab samples at each station. Figure 4.1 displays the survey locations overlain on bathymetry data.

Table 4.1: Completed camera transects

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]						
Transect		Easting	Northing	Depth [m BSL]	Length [m]	Data Acquisition
ST01A	SOL	689 109.7	5 912 642.9	6.0	65.9	4 mins 10 secs 20 stills
	EOL	689 086.3	5 912 704.7			
ST02B	SOL	691 742.9	5 911 194.9	12.0	90.3	10 mins 19 secs 25 stills
	EOL	691 713.5	5 911 280.4			
ST03	SOL	694 388.2	5 909 674.6	26.0	93.2	6 mins 24 secs 22 stills
	EOL	694 354.4	5 909 760.7			
ST04	SOL	698 052.8	5 907 931.1	26.5	83.1	5 mins 25 secs 26 stills
	EOL	697 970.0	5 907 936.9			
ST05	SOL	700 945.3	5 907 996.4	26.0	92.3	11 mins 44 secs 31 stills
	EOL	700 923.4	5 907 907.7			
ST06	SOL	701 256.2	5 906 553.4	27.0	90.3	8 mins 17 secs 24 stills
	EOL	701 287.8	5 906 468.9			
ST07	SOL	702 236.6	5 904 403.8	27.5	86.0	8 mins 39 secs 51 stills
	EOL	702 271.9	5 904 325.3			
ST08A	SOL	699 814.9	5 904 368.1	29.0	95.9	5 mins 50 secs 20 stills
	EOL	699 767.1	5 904 286.3			

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]						
Transect		Easting	Northing	Depth [m BSL]	Length [m]	Data Acquisition
ST09	SOL	701 839.3	5 902 247.1	26.3	83.6	9 mins 42 secs 27 stills
	EOL	701 762.2	5 902 279.3			
ST10A	SOL	698 897.7	5 902 571.5	33.0	59.5	6 mins 58 secs 12 stills
	EOL	698 899.6	5 902 631.0			
ST11	SOL	695 242.8	5 903 509.3	15.0	81.6	7 mins 40 secs 17 stills
	EOL	695 225.5	5 903 589.0			
ST12A	SOL	694 010.4	5 901 825.5	13.5	84.1	10 mins 8 secs 38 stills
	EOL	693 987.5	5 901 906.3			
ST13	SOL	696 407.2	5 901 789.5	20.0	115.5	8 mins 36 secs 26 stills
	EOL	696 411.3	5 901 905.6			
ST14	SOL	699 528.7	5 900 186.1	32.0	49.8	5 mins 49 secs 10 stills
	EOL	699 518.5	5 900 137.4			
ST15	SOL	702 235.5	5 899 396.2	27.0	81.8	7 mins 15 secs 23 stills
	EOL	702 305.0	5 899 353.7			
ST16A	SOL	704 280.8	5 909 453.0	5.2	112.1	7 mins 49 secs 38 stills
	EOL	704 204.0	5 909 533.4			
ST17A	SOL	704 901.9	5 907 442.4	6.5	69.3	4 mins 59 secs 23 stills
	EOL	704 889.9	5 907 510.4			
ST18A	SOL	705 305.6	5 904 673.1	10.7	83.3	7 mins 47 secs 37 stills
	EOL	705 259.8	5 904 742.9			
ST19A	SOL	705 686.5	5 901 356.6	16.5	133.4	10 mins 8 secs 30 stills
	EOL	705 698.1	5 901 489.5			
ST20A	SOL	706 755.1	5 898 672.6	16.0	87.8	8 mins 32 secs 28 stills
	EOL	706 751.3	5 898 760.4			
ST21A	SOL	706 396.3	5 896 235.2	7.0	70.0	4 mins 56 secs 14 stills
	EOL	706 435.0	5 896 293.7			
ST22A	SOL	691 086.1	5 913 547.1	9.0	62.8	5 mins 25 secs 19 stills
	EOL	691 071.9	5 913 608.0			
ST23B	SOL	693 424.3	5 911 991.6	15.0	85.8	6 mins 44 secs 26 stills
	EOL	693 427.3	5 912 077.5			
ST24	SOL	696 154.8	5 910 158.8	28.1	95.6	5 mins 11 secs 15 stills
	EOL	696 155.4	5 910 254.0			
ST26	SOL	698 367.6	5 897 713.0	30.0	67.9	3 mins 20 secs 12 stills
	EOL	698 377.1	5 897 780.3			

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]						
Transect		Easting	Northing	Depth [m BSL]	Length [m]	Data Acquisition
ST27	SOL	700 923.1	5 896 794.4	39.0	74.7	4 mins 44 secs 8 stills
	EOL	700 863.6	5 896 838.7			
ST28	SOL	706 921.8	5 907 831.7	34.0	138.4	12 mins 44 secs 41 stills
	EOL	706 927.8	5 907 694.6			
ST29	SOL	708 854.5	5 903 143.9	40.0	88.8	6 mins 35 secs 23 stills
	EOL	708 849.5	5 903 232.8			
ST30	SOL	709 174.8	5 897 637.5	34.5	76.3	7 mins 3 secs 29 stills
	EOL	709 181.8	5 897 708.3			
Notes BSL = Below sea level SOL = Start of line EOL = End of line						

Table 4.2: Completed sampling stations

Geodetic Parameters: WGS84 Zone 29N [m]; [EPSG 32629]				
Station	Easting	Northing	Depth [m BSL]	Data and Sample Acquisition
ST01	689 097.3	5 912 673.9	6.0	FA, PSD, HC, HM
ST02	691 697.7	5 911 273.8	12.0	FA, PSD
ST03	694 343.3	5 909 723.1	26.0	FA, PSD, HC, HM
ST04	697 996.9	5 907 909.1	26.5	FA, PSD
ST05	700 945.6	5 907 946.9	26.0	FA, PSD, HC, HM
ST06	701 262.2	5 906 490.8	27.0	FA, PSD
ST07	702 268.0	5 904 344.6	27.5	FA, PSD, HC, HM
ST08	699 780.8	5 904 322.1	29.0	FA, PSD, HC, HM
ST09	701 759.6	5 902 242.6	26.3	FA, PSD
ST10	698 890.0	5 902 608.7	33.0	FA, PSD
ST11	695 240.7	5 903 562.4	15.0	FA, PSD, HC, HM
ST13	696 407.5	5 901 879.5	20.0	FA, PSD, HC, HM
ST14	699 514.1	5 900 150.9	32.0	FA, PSD, HC, HM
ST15	702 295.0	5 899 386.1	27.0	FA, PSD, HC, HM
ST16	704 217.4	5 909 515.0	5.2	FA, PSD, HC, HM
ST17	704 864.0	5 907 496.9	6.5	FA, PSD
ST18	705 266.0	5 904 716.3	10.7	FA, PSD
ST19	705 692.5	5 901 456.9	16.5	FA, PSD, HC, HM
ST20	706 745.3	5 898 724.0	16.0	FA, PSD
ST21	706 418.1	5 896 261.4	7.0	FA, PSD, HC, HM

Geodetic Parameters: WGS84 Zone 29N [m]; [EPSG 32629]				
Station	Easting	Northing	Depth [m BSL]	Data and Sample Acquisition
ST22	691 052.7	5 913 586.6	9.0	FA, PSD
ST23	693 434.2	5 912 045.8	15.0	FA, PSD, HC, HM
ST24	696 159.4	5 910 212.4	28.1	FA, PSD, HC, HM
ST26	698 390.0	5 897 752.0	30.0	FA, PSD, HC, HM
ST27	700 923.2	5 896 803.1	39.0	FA, PSD
ST28	706 925.8	5 907 756.2	34.0	FA, PSD
ST29	708 849.7	5 903 204.3	40.0	FA, PSD
ST30	709 165.4	5 897 684.7	34.5	FA, PSD
Notes BSL = Below sea level FA = Faunal sample A PSD = Particle size distribution sample HC = Hydrocarbon subsample HM = Heavy metal subsample				

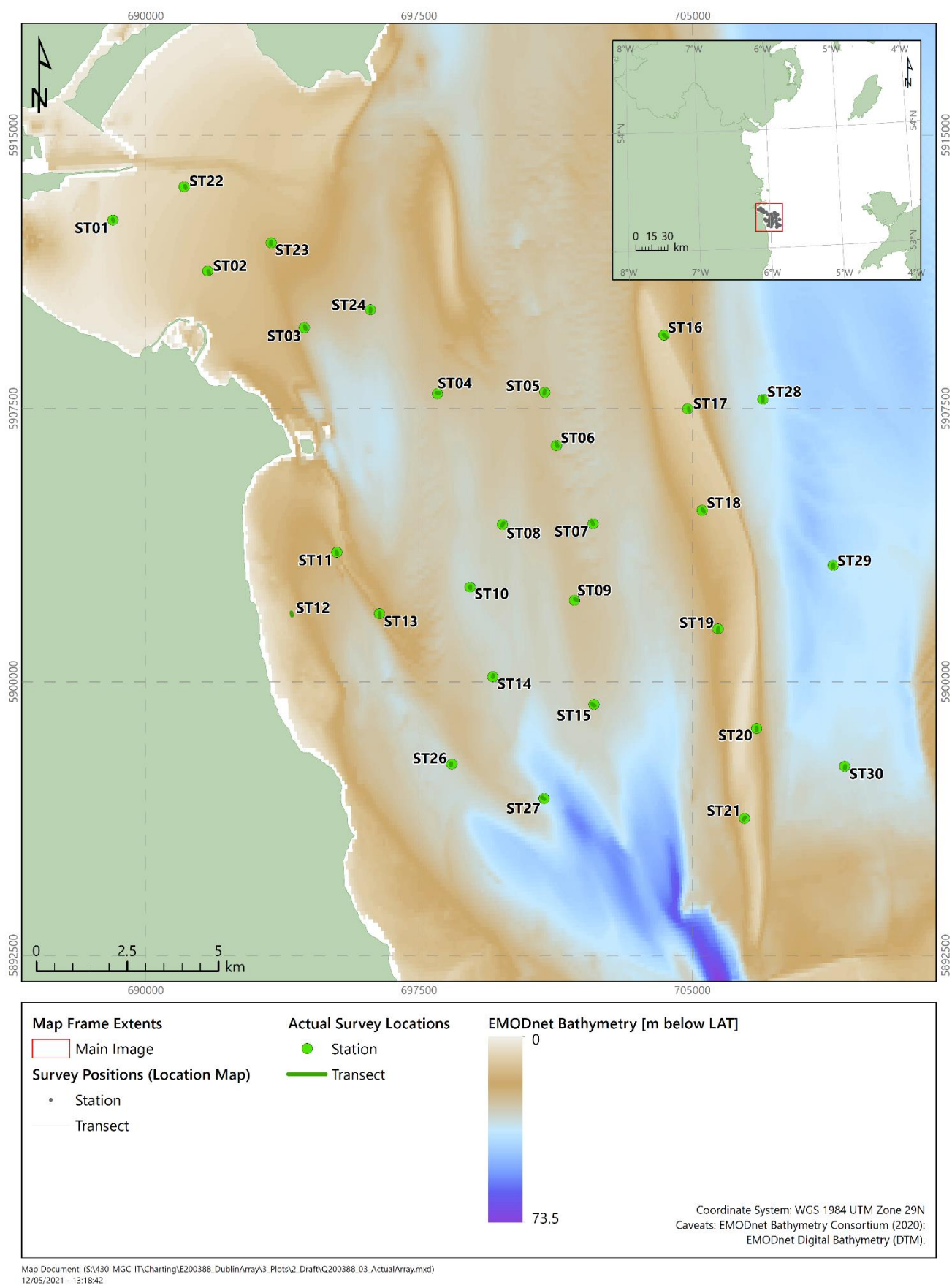


Figure 4.1: Survey area bathymetry and completed environmental sampling locations

4.2 Seabed Habitats and Fauna

The sediment across the Dublin Array survey area was largely homogeneous. The main sediment type observed was sand with varying proportions of shell fragments, gravel and mud. This sediment type has been classified as the EUNIS habitat 'Sublittoral sand' (A5.2). The grab sample macrofauna and PSD data will enable the habitat classification to be further refined in the Benthic Ecology Monitoring report.

'Circalittoral mixed sediment' (A5.44) was observed at stations ST10, ST14, ST15, ST29 and ST30 with dense shell material present.

Station ST12 was classified as 'Atlantic and Mediterranean high energy infralittoral rock (A3.1). This station was the closest to the coast in water depths of 13.5 m and influenced by a strong tidal current. The seabed habitat included numerous large boulders and cobbles with red algae on gravelly sand.

During the survey, station ST28 was relocated to investigate anomalous features highlighted from the SSS data (Figure 4.2). This photographic data showed this sediment to be rippled sand with shell accumulations in troughs.

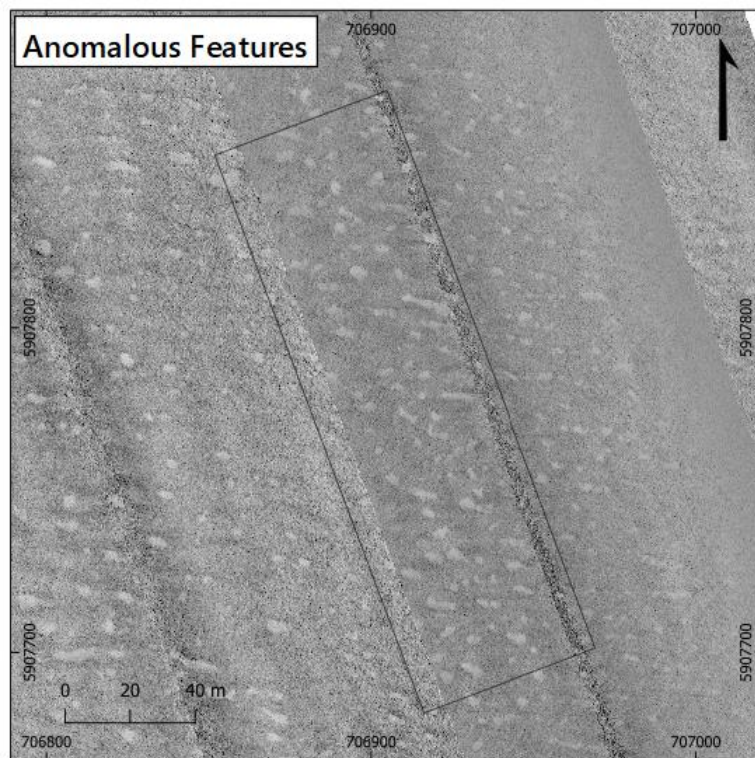


Figure 4.2: Anomalous features shown on side scan sonar data at station ST28

Table 4.3 presents the classification hierarchy for the habitats observed within the survey area.

Table 4.3: Habitat classifications

EUNIS (EEA, 2019) Habitat Classification			
Environment Level 1	Broad Habitat Level 2	Habitat Level 3	Biotope Complex Level 4
A Marine	A3 Infralittoral rock and other hard substrata	A3.1 Atlantic and Mediterranean high energy infralittoral rock	NA
	A5 Sublittoral sediment	A5.4 Sublittoral mixed sediment	A5.44 Circalittoral mixed sediments
		A5.2 Sublittoral sand	NA

4.2.1 Sublittoral Sand (A5.2)

‘Sublittoral sand’ (A5.2) is described as “clean medium to fine sands or non-cohesive slightly muddy sands. Such habitats are often subject to a degree of wave action or tidal currents. This habitat is characterised by a range of taxa including polychaetes, bivalve molluscs and amphipod crustacea” (EEA, 2019c).

The majority of stations were classified as the habitat ‘Sublittoral sand’ (A5.2), however variations in sediment composition, water depth and epifauna were observed.

Six stations (ST16, ST17, ST18, ST19, ST20 and ST21) located on the Kish and Bray sandbanks were characterised by clean, sometimes slightly gravelly, sand. The only faunal species observed on transects at these stations were sandeels (*Ammodytidae*). Water depths on the sand banks ranged from 5 m – 16.5 m.

Three stations (ST01, ST22 and ST23) were characterised by sand with shell fragments located in shallower waters (<15 m) in and around Dublin Bay. The only faunal species observed on transects at these stations were sand mason worms (*Lanice conchilega*). Another eight stations (ST05 to ST09, ST11, ST13, ST28) were also characterised by sand with shell fragments but located in deeper waters. Dominant fauna observed included sand mason worms (*Lanice conchilega*), brittlestars (Ophiuroidea), hermit crabs (Paguridae) and sandeels (*Ammodytidae*).

Five stations (ST02 to ST04, ST24 and ST26) were characterised by sand with a muddier component and shell fragments. Dominant fauna observed included brittlestars (Ophiuroidea) and anemones (Actiniaria).

Figures 4.3 and 4.4 present example seabed photographs of this habitat.

4.2.2 Circalittoral Mixed Sediments (A5.44)

The 'Circalittoral mixed sediments' (A5.44) habitat type is described as mixed sediments in water depths generally below 15m and 20 m. The sediments comprise muddy gravelly sands or mosaics of shell, cobbles and pebbles with upon mud, sand or gravel. Due to the variable nature of the sediments a variety of communities can develop, and are often very diverse. A wide range of infauna often present in such habitat, with the hard substrata component providing a suitable surface on which epifaunal species become established. The combination of epifauna and infauna can lead to species rich communities (EEA, 2019d).

Five stations (ST10, ST14, ST15, ST29 and ST30) were classified as 'Circalittoral mixed sediment' (A5.44) due to the high proportion of dense shell material on slightly gravelly, slightly muddy sand in water depths between 32m and 40 m.

Dominant species observed at stations ST14, ST29 and ST30 included faunal turf (Hydrozoa/Bryozoa), barnacles (Sessilia), soft coral (*Alcyonium digitatum*), brittlestars (including *Ophiothrix fragilis* and *Ophiura albida*), scallops (Pectinidae including *Aequipecten opercularis*) and hermit crabs (Paguridae).

Figure 4.5 presents example seabed photographs of this habitat.

4.2.3 Atlantic and Mediterranean High Energy Infralittoral Rock (A3.1)

'Atlantic and Mediterranean high energy infralittoral rock' (A3.1) is formally described as 'a rocky habitat in the infralittoral zone subject to exposed to extremely exposed wave action or strong tidal streams.' Typically the rock supports a community of kelp *Laminaria hyperborea* with foliose seaweeds and animals, the latter tending to become more prominent in areas of strongest water movement' (EEA, 2019e).

Station ST12 consisted of dense aggregations of large boulders and cobbles with patches of slightly gravelly, slightly muddy sand. Boulders and cobbles were covered by faunal turf (Hydrozoa/Bryozoa including *Nemertesia antennina* and Haleciidae), barnacles (Sessilia) and red algae (Rhodophyta). The station was located in water depths of around 13.5 m with strong currents observed therefore ST12 was classified as 'Atlantic and Mediterranean high energy infralittoral rock' (A3.1) and was assessed for the Annex I sensitive habitat 'stony reef'.

Figure 4.6 presents example seabed photographs of this habitat.

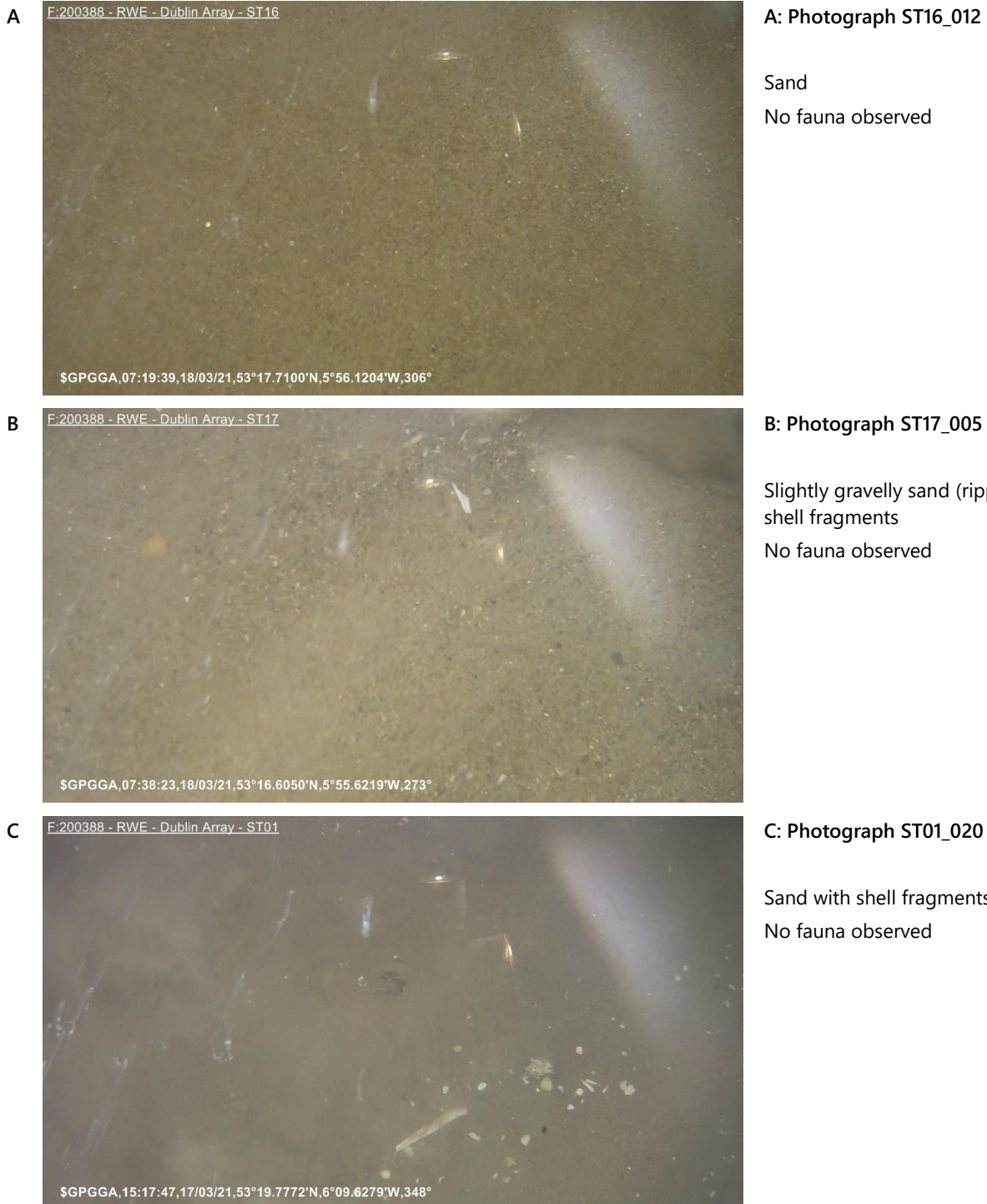


Figure 4.3: Example seabed photographs of 'Sublittoral sand' (A5.2)

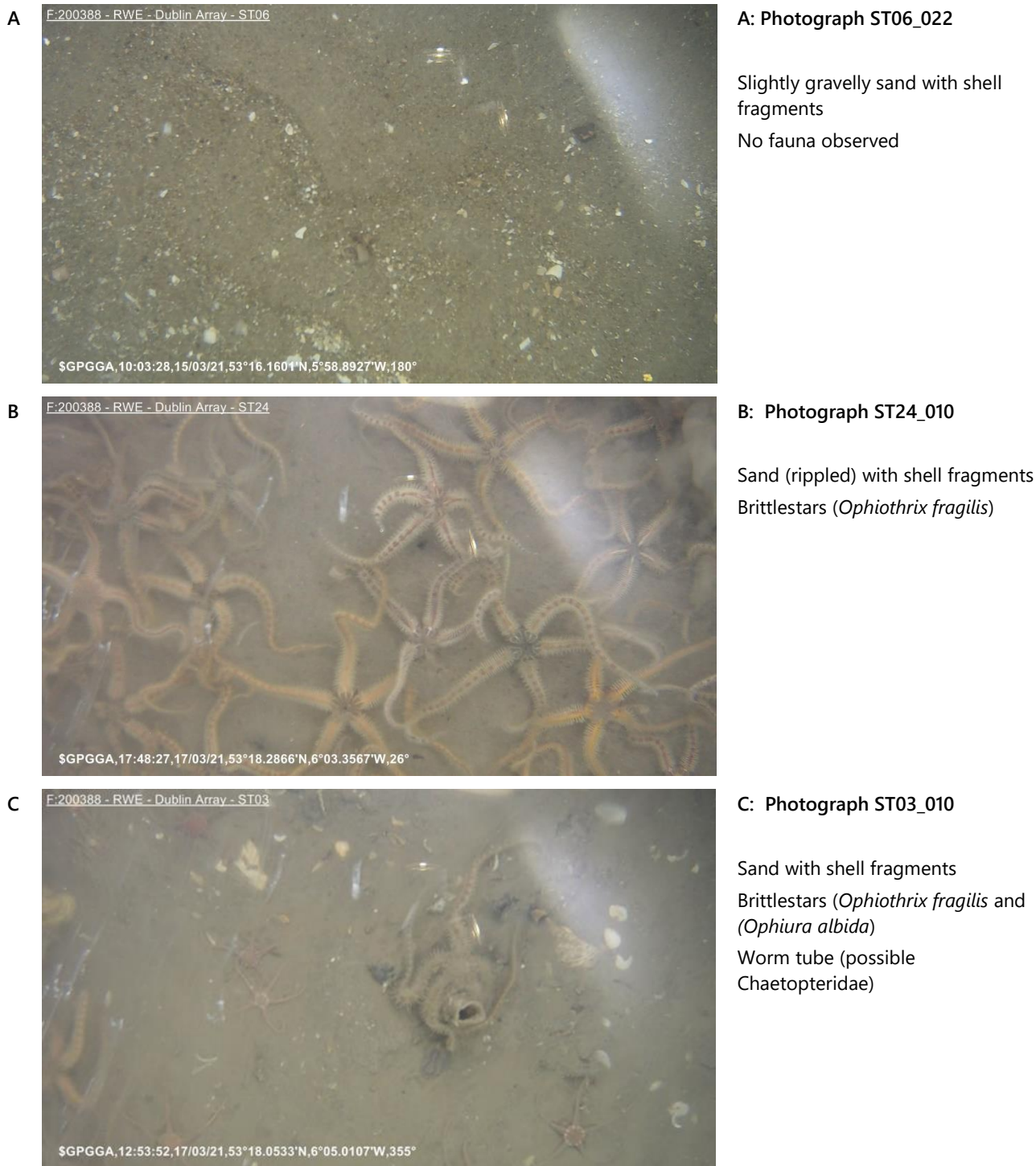


Figure 4.4: Example seabed photographs of 'Sublittoral sand' (A5.2)

A



A: Photograph ST14_003

Sandy gravel with shell fragments
and mud deposition
Brittlestar (Ophiuroidea)

B



B: Photograph ST29_012

Slightly gravelly shelly sand and
mud deposition
No fauna observed

C



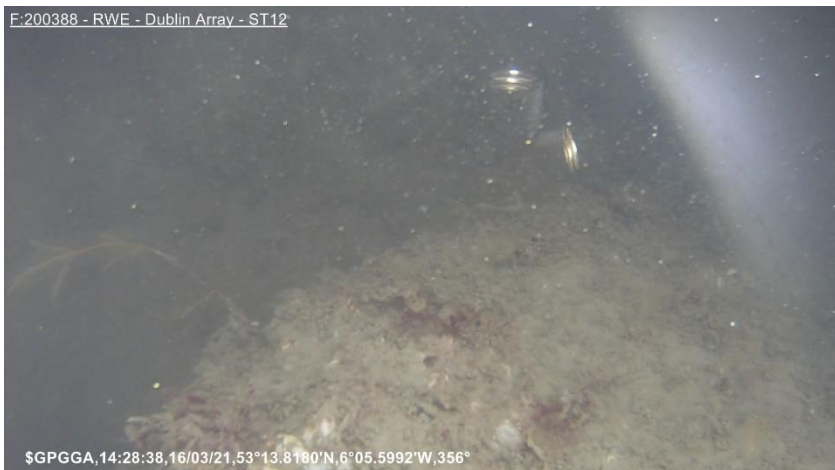
C: Photograph ST30_015

Slightly gravelly shelly sand and
mud deposition
Hermit crab (Paguridae)

Notes Laser distance (green) is 18.5 cm

Figure 4.5: Example seabed photographs of 'Circalittoral mixed sediments' (A5.44)

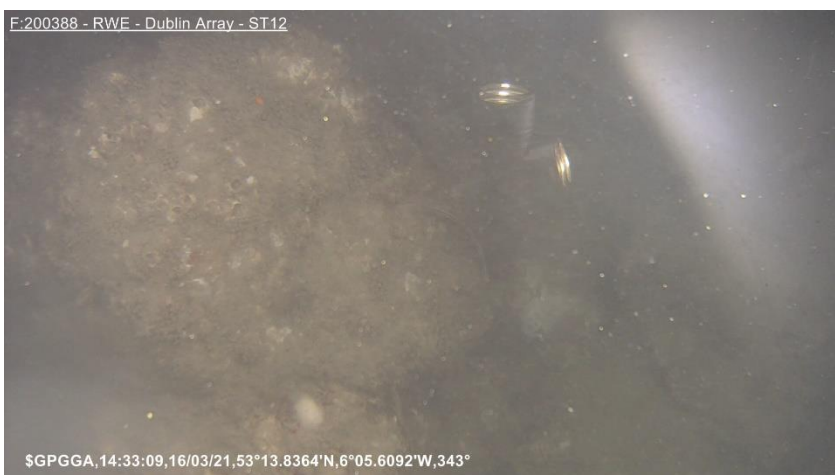
A



A: Photograph ST12_004

Large boulder
Red algae (Rhodophyta)
Faunal turf (Hydrozoa/Bryozoa
including Nemertesia antennina)

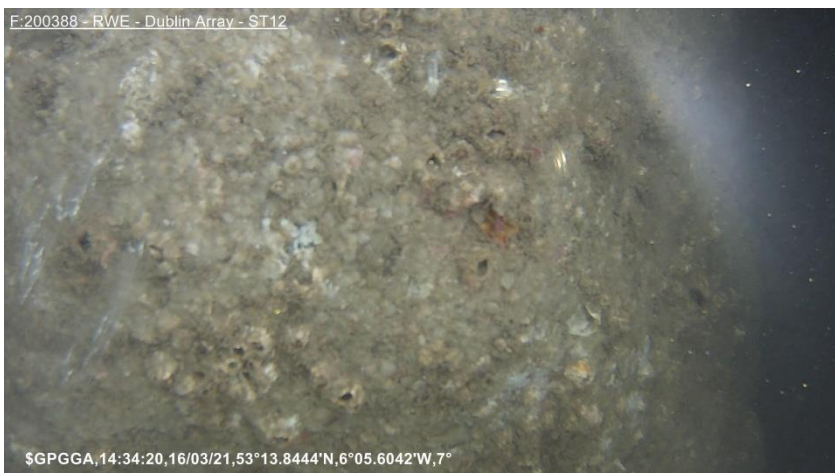
B



B: Photograph ST12_018

Large boulders
Red algae (Rhodophyta)
Faunal turf (Hydrozoa/Bryozoa)
Barnacles (Sessilia)

C



C: Photograph ST12_024

Large boulder
Red algae (Rhodophyta)
Faunal turf (Hydrozoa/Bryozoa)
Barnacles (Sessilia)

Figure 4.6: Example seabed photographs of 'Atlantic and Mediterranean high energy infralittoral rock' (A3.1)

4.3 Potential Sensitive Habitats and Species

4.3.1 Stony Reef

To qualify as a 'Stony reef' there should be a minimum average elevation of 64 mm above the seabed, a coverage of at least 10 % cobbles and boulders and a minimum area extent of 25 m². The classification of 'reefiness' observed ranged from 'not a reef' to 'medium reef'. Two sections of the transect were classed as 'medium reef' due to the elevation of cobbles (64 mm to 5 m), percentage of cobble and boulder coverage (> 40 % to 95 %) and epifaunal species composition in excess of 80 %.

Table 4.4 summarises the stony reef assessment at ST12.

Table 4.4: Station ST12 stony reef assessment

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]						
Video Coordinates		Length [m]	Stony reef characteristic			
Easting [m]	Northing [m]		Elevation	% cover cobble s and boulders	Epifauna coverage	Overall assessment
693 569.3	5 901 807.6	12	Flat seabed	< 10	< 80	Not a reef
693 557.6	5 901 809.2					
693 557.6	5 901 809.2	64	64 mm – 5 m	40 – 95	> 80	Medium
693 562.6	5 901 872.5					
693 562.6	5 901 872.5	49	Flat seabed	< 10	< 80	Not a reef
693 513.7	5 901 879.4					
693 513.7	5 901 879.4	21	64 mm – 5 m	40 - 95	> 80	Medium
693 533.4	5 901 887.8					
Notes						
Sum of section lengths may not equal reported overall length of transect as strong current prevented transects being run in a straight line						
Key	Not a reef	Low	Medium	High		

4.3.2 Sandbanks which are Slightly Covered by Sea Water all the Time

In regards to topography, the habitat is permanently submerged and water depth is seldom > 20 m. Stations ST16 to ST21 which were situated along the Kish and Bray sandbanks were in approximate water depths of between 5 m and 16.5 m. The bank is also predominantly surrounded by deeper water. To the west are the stations ST05, ST06, ST07, ST09 and ST15 in water depths of 26 m to 27.5 m and to the east are stations ST28, ST29 and ST30 in water depths of 34 m to 40 m.

The sediment at stations ST16 to ST21 was composed of mainly sandy sediment and was described as clean sand or slightly gravelly rippled sand with shell fragments. The only fauna observed on video transects at these stations were sandeels (Ammodytidae). Sandeels heavily rely on suitable areas of coarse sand with a low silt content (Christensen et al., 2008).

These observations are classed as high confidence for the Annex I habitat 'Sandbanks which are slightly covered by sea water all the time'.

4.3.3 Other Potentially Sensitive Habitats and Species

No other Annex I habitats or Annex II species, OSPAR threatened and/or declining species and habitats (OSPAR, 2008) were observed within the survey area.

5. Discussion

Analysis of video and photography data showed the sediments across the survey area mainly comprised sand with varying degrees of silt and shell. Epibenthic fauna observed during the current survey was sparse; the most frequently observed taxa included brittlestars (Ophiuroidea), anemones (Anthozoa), hermit crabs (Paguridae) and sandeels (Ammodytidae). All taxa observed throughout the survey area were typical of the region and the habitats they were observed in (World Register of Marine Species [WoRMS] Editorial Board, 2021).

The survey area has mainly been described as the EUNIS habitat 'Sublittoral sand' (A5.2). Areas of the biotope complex 'Circalittoral mixed sediments' (A5.44) were observed at five stations (ST10, ST14, ST15, ST29 and ST30). Station ST12 was classified as 'Atlantic and Mediterranean high energy infralittoral rock' due to the presence of large boulders and cobbles with mixed sediments. Following the macrofaunal and PSD analyses, these habitats will be further refined and reported in the Benthic Ecology Monitoring report.

The seabed habitats observed were mainly to be expected based on the EMODnet data. However inside the Dublin Bay area, areas of muddier sediments were recorded in the EMODnet data.

Based on the habitats observed, two sensitive habitats are thought to be present in the survey area. A stony reef assessment was carried out on the photographic data from station ST12 and the classification of 'reefiness' observed ranged from 'not a reef' to 'medium reef'.

From the sandbanks suitability criteria there is a high confidence that the Annex I habitat 'Sandbanks slightly covered by sea water all the time' is present in the Dublin Array survey area (stations ST16 to ST121). Only four SACs protect this feature in Ireland: Blackwater Bank SAC, Long Bank SAC, Lower River Shannon SAC and Hempton's Turbot Bank SAC and none of these areas are in close proximity to the Dublin Array survey area (NPWS, 2021e) so there is no data available to judge similarity of benthic communities to adjacent sandbanks.

6. Conclusions

Three habitats were identified within the survey area. The main habitat type was described as the EUNIS habitat 'Sublittoral sand' (A5.2). Other habitat types described included the biotope complexes 'Circalittoral mixed sediments' (A5.44) and 'Atlantic and Mediterranean high energy infralittoral rock' (A3.1).

The two Annex I listed habitats 'Reefs' and 'Sandbanks which are slightly covered by sea water all the time' were observed within the survey area.

No other sensitive habitats or species were observed within the survey area.

7. References

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Appendix A

Guidelines on Use of Report

This report (the "Report") was prepared as part of the services (the "Services") provided by Fugro GB Marine Limited ("Fugro") for its client (the "Client") under terms of the relevant contract between the two parties (the "Contract"). The Services were performed by Fugro based on requirements of the Client set out in the Contract or otherwise made known by the Client to Fugro at the time.

Fugro's obligations and liabilities to the Client or any other party in respect of the Services and this Report are limited in time and value as defined in Contract (or in the absence of any express provision in the Contract as implied by the law of the Contract) and Fugro provides no other representation or warranty whether express or implied, in relation to the Services or for the use of this Report for any other purpose. Furthermore, Fugro has no obligation to update or revise this Report based on changes in conditions or information which emerge following issue of this Report unless expressly required by the Contract.

The Services were performed by Fugro exclusively for the Client and any other party identified in the Contract for the purpose set out therein. Any use and/or reliance on the Report or the Services for purposes not expressly stated in the Contract, by the Client or any other party is that party's risk and Fugro accepts no liability whatsoever for any such use and/or reliance.

Appendix B

Logs

B.1 Survey Log

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
21/02/2021	12:20:48	ST01	Video	SOL	2	6.0	689 094.1	5 912 677.4	689 113.5	5 912 695.4	26.5	
21/02/2021	12:21:08	ST01	Still	200388_ST01_01	3	6.0	689 094.1	5 912 677.4	689 109.7	5 912 690.6	20.5	
21/02/2021	12:21:25	ST01	Still	200388_ST01_02	4	6.0	689 094.1	5 912 677.4	689 103.5	5 912 688.7	14.7	
21/02/2021	12:21:33	ST01	Still	200388_ST01_03	5	6.0	689 094.1	5 912 677.4	689 101.1	5 912 687.9	12.6	
21/02/2021	12:21:42	ST01	Still	200388_ST01_04	6	6.0	689 094.1	5 912 677.4	689 097.4	5 912 687.7	10.8	
21/02/2021	12:21:56	ST01	Still	200388_ST01_05	7	6.0	689 094.1	5 912 677.4	689 092.2	5 912 686.9	9.7	
21/02/2021	12:22:06	ST01	Still	200388_ST01_06	8	6.0	689 094.1	5 912 677.4	689 088.2	5 912 684.5	9.2	
21/02/2021	12:22:29	ST01	Still	200388_ST01_07	9	6.0	689 094.1	5 912 677.4	689 081.5	5 912 676.0	12.7	
21/02/2021	12:22:58	ST01	Still	200388_ST01_08	10	6.0	689 094.1	5 912 677.4	689 079.9	5 912 660.5	22.0	
21/02/2021	12:23:11	ST01	Still	200388_ST01_09	12	6.0	689 094.1	5 912 677.4	689 082.5	5 912 656.6	23.9	
21/02/2021	12:23:45	ST01	Video	EOL	13	6.0	689 094.1	5 912 677.4	689 087.7	5 912 650.5	27.7	
21/02/2021	13:02:26	ST02	Video	SOL	15	12.0	691 702.2	5 911 261.4	691 697.8	5 911 283.7	22.8	
21/02/2021	13:02:26	ST02	Still	200388_ST02_01	15	12.0	691 702.2	5 911 261.4	691 697.8	5 911 283.7	22.8	
21/02/2021	13:02:39	ST02	Still	200388_ST02_02	16	12.0	691 702.2	5 911 261.4	691 704.9	5 911 277.8	16.6	
21/02/2021	13:02:56	ST02	Still	200388_ST02_03	17	12.0	691 702.2	5 911 261.4	691 709.9	5 911 266.9	9.4	
21/02/2021	13:03:09	ST02	Still	200388_ST02_04	18	12.0	691 702.2	5 911 261.4	691 706.5	5 911 257.3	5.9	
21/02/2021	13:03:22	ST02	Still	200388_ST02_05	19	12.0	691 702.2	5 911 261.4	691 701.0	5 911 252.1	9.4	
21/02/2021	13:03:34	ST02	Still	200388_ST02_06	20	12.0	691 702.2	5 911 261.4	691 696.6	5 911 250.6	12.2	
21/02/2021	13:03:52	ST02	Still	200388_ST02_07	21	12.0	691 702.2	5 911 261.4	691 690.1	5 911 251.8	15.4	
21/02/2021	13:04:07	ST02	Still	200388_ST02_08	22	12.0	691 702.2	5 911 261.4	691 685.4	5 911 252.9	18.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
21/02/2021	13:04:16	ST02	Still	200388_ST02_09	23	12.0	691 702.2	5 911 261.4	691 680.9	5 911 251.8	23.3	
21/02/2021	13:04:28	ST02	Video	EOL	24	12.0	691 702.2	5 911 261.4	691 673.4	5 911 249.0	31.3	
21/02/2021	13:23:35	ST22	Video	SOL	25	9.0	691 067.8	5 913 578.9	691 083.3	5 913 555.4	28.1	
21/02/2021	13:23:49	ST22	Still	200388_ST22_01	26	9.0	691 067.8	5 913 578.9	691 079.7	5 913 566.8	17.0	
21/02/2021	13:23:57	ST22	Still	200388_ST22_02	27	9.0	691 067.8	5 913 578.9	691 078.8	5 913 571.5	13.3	
21/02/2021	13:24:09	ST22	Still	200388_ST22_03	28	9.0	691 067.8	5 913 578.9	691 075.4	5 913 578.8	7.6	
21/02/2021	13:24:19	ST22	Still	200388_ST22_04	29	9.0	691 067.8	5 913 578.9	691 072.6	5 913 584.8	7.6	
21/02/2021	13:24:28	ST22	Still	200388_ST22_05	30	9.0	691 067.8	5 913 578.9	691 069.4	5 913 590.6	11.8	
21/02/2021	13:24:45	ST22	Still	200388_ST22_06	31	9.0	691 067.8	5 913 578.9	691 063.5	5 913 601.0	22.5	
21/02/2021	13:24:54	ST22	Video	EOL	32	9.0	691 067.8	5 913 578.9	691 060.2	5 913 606.6	28.7	
21/02/2021	15:07:36	ST22	HG	NS	33	9.0	691 067.8	5 913 578.9	691 060.5	5 913 584.9	9.4	
21/02/2021	15:30:51	ST22	HG	FA	34	9.0	691 067.8	5 913 578.9	691 052.7	5 913 586.6	16.9	
21/02/2021	16:24:29	ST02	HG	FA	36	12.0	691 702.2	5 911 261.4	691 697.7	5 911 273.8	13.2	
21/02/2021	16:56:15	ST01	HG	FA	37	6.0	689 094.1	5 912 677.4	689 092.9	5 912 686.5	9.2	
21/02/2021	17:07:22	ST01	DG	NS	38	6.0	689 094.1	5 912 677.4	689 092.3	5 912 690.3	13.1	
21/02/2021	17:15:01	ST01	DG	NS	39	6.0	689 094.1	5 912 677.4	689 090.2	5 912 689.2	12.4	
22/02/2021	11:45:06	ST21	Video	SOL	40	7.0	706 424.2	5 896 268.8	706 411.1	5 896 222.7	48.0	
22/02/2021	11:58:06	ST21	Still	200388_ST21_01	41	7.0	706 424.2	5 896 268.8	706 411.9	5 896 236.5	34.6	
22/02/2021	09:42:16	ST21	Still	200388_ST21_02	42	7.0	706 424.2	5 896 268.8	706 414.3	5 896 237.0	33.3	
22/02/2021	09:54:21	ST21	Still	EOL	43	7.0	706 424.2	5 896 268.8	706 417.5	5 896 236.1	33.4	
22/02/2021	10:04:38	ST21	Still	SOL	44	7.0	706 424.2	5 896 268.8	706 407.6	5 896 245.4	28.7	
22/02/2021	10:39:45	ST21	Still	200388_ST21_03	45	7.0	706 424.2	5 896 268.8	706 413.3	5 896 251.4	20.5	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
22/02/2021	11:25:31	ST21	Still	200388_ST21_04	46	7.0	706 424.2	5 896 268.8	706 415.8	5 896 255.9	15.4	
22/02/2021	12:41:00	ST21	Still	200388_ST21_05	47	7.0	706 424.2	5 896 268.8	706 418.5	5 896 260.5	10.1	
22/02/2021	13:47:31	ST21	Still	200388_ST21_06	48	7.0	706 424.2	5 896 268.8	706 426.2	5 896 268.3	2.0	
22/02/2021	14:06:01	ST21	Still	200388_ST21_07	49	7.0	706 424.2	5 896 268.8	706 431.2	5 896 271.7	7.6	
22/02/2021	14:19:37	ST21	Still	EOL	50	7.0	706 424.2	5 896 268.8	706 426.4	5 896 294.3	25.5	
22/02/2021	14:04:37	ST21	Still	SOL	51	7.0	706 424.2	5 896 268.8	706 408.9	5 896 248.5	25.4	
22/02/2021	14:51:04	ST21	Still	200388_ST21_08	52	7.0	706 424.2	5 896 268.8	706 399.9	5 896 260.5	25.7	
22/02/2021	15:21:30	ST21	Still	200388_ST21_09	53	7.0	706 424.2	5 896 268.8	706 402.3	5 896 266.6	22.0	
22/02/2021	15:34:11	ST21	Still	200388_ST21_10	54	7.0	706 424.2	5 896 268.8	706 406.2	5 896 268.3	18.0	
22/02/2021	08:10:54	ST21	Still	200388_ST21_11	55	7.0	706 424.2	5 896 268.8	706 409.8	5 896 266.2	14.6	
22/02/2021	08:31:06	ST21	Still	200388_ST21_12	56	7.0	706 424.2	5 896 268.8	706 416.6	5 896 259.6	11.9	
22/02/2021	09:03:57	ST21	Still	200388_ST21_13	57	7.0	706 424.2	5 896 268.8	706 424.4	5 896 256.2	12.6	
22/02/2021	10:01:59	ST21	Still	200388_ST21_14	58	7.0	706 424.2	5 896 268.8	706 432.2	5 896 258.0	13.4	
22/02/2021	10:39:10	ST21	Still	200388_ST21_15	59	7.0	706 424.2	5 896 268.8	706 435.8	5 896 259.8	14.6	
22/02/2021	10:53:14	ST21	Still	200388_ST21_16	60	7.0	706 424.2	5 896 268.8	706 439.6	5 896 258.8	18.4	
22/02/2021	11:39:28	ST21	Still	200388_ST21_17	61	7.0	706 424.2	5 896 268.8	706 444.8	5 896 253.6	25.6	
22/02/2021	16:20:45	ST21	Video	EOL	62	7.0	706 424.2	5 896 268.8	706 448.9	5 896 245.7	33.9	
22/02/2021	16:29:40	ST20	Video	SOL	63	16.0	706 749.4	5 898 724.8	706 744.9	5 898 700.8	24.4	
22/02/2021	16:58:03	ST20	Still	200388_ST20_01	64	16.0	706 749.4	5 898 724.8	706 745.1	5 898 704.5	20.7	
22/02/2021	17:06:45	ST20	Still	200388_ST20_02	65	16.0	706 749.4	5 898 724.8	706 745.7	5 898 707.1	18.1	
22/02/2021	18:09:13	ST20	Still	EOL	66	16.0	706 749.4	5 898 724.8	706 745.7	5 898 709.4	15.8	
22/02/2021	09:16:26	ST20	Still	SOL	67	16.0	706 749.4	5 898 724.8	706 750.6	5 898 701.4	23.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
22/02/2021	09:38:37	ST20	Still	200388_ST20_03	68	16.0	706 749.4	5 898 724.8	706 751.8	5 898 704.0	20.9	
22/02/2021	09:48:35	ST20	Still	200388_ST20_04	69	16.0	706 749.4	5 898 724.8	706 753.8	5 898 708.2	17.2	
22/02/2021	15:46:15	ST20	Still	200388_ST20_05	70	16.0	706 749.4	5 898 724.8	706 753.3	5 898 714.4	11.1	
22/02/2021	16:16:34	ST20	Still	200388_ST20_06	71	16.0	706 749.4	5 898 724.8	706 752.4	5 898 717.8	7.6	
22/02/2021	16:28:12	ST20	Still	200388_ST20_07	72	16.0	706 749.4	5 898 724.8	706 751.0	5 898 721.7	3.5	
22/02/2021	17:09:11	ST20	Still	200388_ST20_08	73	16.0	706 749.4	5 898 724.8	706 749.5	5 898 724.6	0.2	
22/02/2021	18:09:35	ST20	Still	200388_ST20_09	74	16.0	706 749.4	5 898 724.8	706 748.5	5 898 727.1	2.4	
22/02/2021	18:15:48	ST20	Still	200388_ST20_10	75	16.0	706 749.4	5 898 724.8	706 746.8	5 898 730.6	6.4	
22/02/2021	08:45:52	ST20	Still	200388_ST20_11	76	16.0	706 749.4	5 898 724.8	706 744.3	5 898 744.3	20.2	
22/02/2021	10:02:13	ST20	Still	200388_ST20_12	77	16.0	706 749.4	5 898 724.8	706 742.3	5 898 757.5	33.5	
22/02/2021	10:14:43	ST20	Video	EOL	78	16.0	706 749.4	5 898 724.8	706 741.0	5 898 760.9	37.0	
22/02/2021	14:31:06	ST19	Video	SOL	79	16.5	705 698.0	5 901 455.7	705 704.2	5 901 429.6	26.8	
22/02/2021	15:05:21	ST19	Still	200388_ST19_01	80	16.5	705 698.0	5 901 455.7	705 704.7	5 901 441.8	15.4	
22/02/2021	15:45:22	ST19	Still	200388_ST19_02	81	16.5	705 698.0	5 901 455.7	705 702.2	5 901 448.6	8.2	
22/02/2021	15:56:37	ST19	Still	200388_ST19_03	82	16.5	705 698.0	5 901 455.7	705 699.0	5 901 454.9	1.3	
22/02/2021	16:48:13	ST19	Still	200388_ST19_04	83	16.5	705 698.0	5 901 455.7	705 693.3	5 901 463.9	9.4	
22/02/2021	16:57:45	ST19	Still	200388_ST19_05	84	16.5	705 698.0	5 901 455.7	705 690.9	5 901 466.4	12.8	
22/02/2021	09:00:34	ST19	Still	200388_ST19_06	85	16.5	705 698.0	5 901 455.7	705 686.2	5 901 470.9	19.2	
22/02/2021	09:01:13	ST19	Video	EOL	86	16.5	705 698.0	5 901 455.7	705 678.0	5 901 477.1	29.3	
22/02/2021	09:32:11	ST18	Video	SOL	87	10.7	705 260.1	5 904 718.1	705 244.1	5 904 684.6	37.1	
22/02/2021	09:32:32	ST18	Still	200388_ST18_01	89	10.7	705 260.1	5 904 718.1	705 244.3	5 904 691.8	30.7	
22/02/2021	09:32:54	ST18	Still	200388_ST18_02	91	10.7	705 260.1	5 904 718.1	705 245.5	5 904 699.3	23.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
22/02/2021	09:33:12	ST18	Still	200388_ST18_03	93	10.7	705 260.1	5 904 718.1	705 247.3	5 904 706.1	17.6	
22/02/2021	09:33:27	ST18	Still	200388_ST18_04	94	10.7	705 260.1	5 904 718.1	705 249.9	5 904 711.2	12.3	
22/02/2021	09:33:44	ST18	Still	200388_ST18_05	96	10.7	705 260.1	5 904 718.1	705 253.6	5 904 716.8	6.6	
22/02/2021	09:34:02	ST18	Still	200388_ST18_06	97	10.7	705 260.1	5 904 718.1	705 257.9	5 904 724.7	7.0	
22/02/2021	09:34:31	ST18	Still	200388_ST18_07	99	10.7	705 260.1	5 904 718.1	705 264.2	5 904 731.9	14.4	
22/02/2021	09:34:53	ST18	Still	200388_ST18_08	100	10.7	705 260.1	5 904 718.1	705 269.6	5 904 737.4	21.5	
22/02/2021	09:35:16	ST18	Video	EOL	101	10.7	705 260.1	5 904 718.1	705 272.7	5 904 741.0	26.1	
22/02/2021	10:36:20	ST17	Video	SOL	102	6.5	704 861.7	5 907 490.8	704 871.7	5 907 463.1	29.4	
22/02/2021	10:36:20	ST17	Still	200388_ST17_01	102	6.5	704 861.7	5 907 490.8	704 871.7	5 907 463.1	29.4	
22/02/2021	10:36:35	ST17	Still	200388_ST17_02	103	6.5	704 861.7	5 907 490.8	704 864.4	5 907 471.8	19.2	
22/02/2021	10:36:45	ST17	Still	200388_ST17_03	105	6.5	704 861.7	5 907 490.8	704 862.7	5 907 473.3	17.5	
22/02/2021	10:37:05	ST17	Still	200388_ST17_04	106	6.5	704 861.7	5 907 490.8	704 861.0	5 907 475.5	15.3	
22/02/2021	10:37:26	ST17	Still	200388_ST17_05	107	6.5	704 861.7	5 907 490.8	704 858.1	5 907 480.4	11.0	
22/02/2021	10:37:38	ST17	Still	200388_ST17_06	108	6.5	704 861.7	5 907 490.8	704 855.3	5 907 486.7	7.6	
22/02/2021	10:37:45	ST17	Still	200388_ST17_07	109	6.5	704 861.7	5 907 490.8	704 854.4	5 907 488.9	7.5	
22/02/2021	10:38:08	ST17	Still	200388_ST17_08	110	6.5	704 861.7	5 907 490.8	704 849.6	5 907 489.0	12.3	
22/02/2021	10:38:46	ST17	Still	200388_ST17_09	111	6.5	704 861.7	5 907 490.8	704 851.4	5 907 508.4	20.4	
22/02/2021	10:39:07	ST17	Still	200388_ST17_10	112	6.5	704 861.7	5 907 490.8	704 853.2	5 907 516.1	26.7	
22/02/2021	10:39:23	ST17	Still	200388_ST17_11	113	6.5	704 861.7	5 907 490.8	704 855.2	5 907 521.1	31.0	
22/02/2021	10:39:23	ST17	Video	EOL	113	6.5	704 861.7	5 907 490.8	704 855.2	5 907 521.1	31.0	
22/02/2021	11:14:42	ST16	Video	SOL	114	5.2	704 212.5	5 909 508.2	704 236.3	5 909 524.2	28.7	
22/02/2021	11:15:06	ST16	Still	200388_ST16_01	115	5.2	704 212.5	5 909 508.2	704 227.4	5 909 522.3	20.5	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
22/02/2021	11:15:21	ST16	Still	200388_ST16_02	116	5.2	704 212.5	5 909 508.2	704 222.9	5 909 523.5	18.5	
22/02/2021	11:15:45	ST16	Still	200388_ST16_03	117	5.2	704 212.5	5 909 508.2	704 217.5	5 909 524.5	17.0	
22/02/2021	11:16:06	ST16	Still	EOL	118	5.2	704 212.5	5 909 508.2	704 209.4	5 909 524.8	16.8	
22/02/2021	11:22:00	ST16	Still	SOL	119	5.2	704 212.5	5 909 508.2	704 183.8	5 909 520.1	31.1	
22/02/2021	11:22:15	ST16	Still	200388_ST16_04	120	5.2	704 212.5	5 909 508.2	704 189.3	5 909 522.5	27.3	
22/02/2021	11:22:27	ST16	Still	200388_ST16_05	121	5.2	704 212.5	5 909 508.2	704 194.3	5 909 526.9	26.1	
22/02/2021	11:22:38	ST16	Still	200388_ST16_06	122	5.2	704 212.5	5 909 508.2	704 201.9	5 909 528.7	23.1	
22/02/2021	11:23:00	ST16	Still	200388_ST16_07	123	5.2	704 212.5	5 909 508.2	704 215.8	5 909 531.4	23.4	
22/02/2021	11:23:32	ST16	Still	200388_ST16_08	124	5.2	704 212.5	5 909 508.2	704 221.2	5 909 531.1	24.5	
22/02/2021	11:24:01	ST16	Still	200388_ST16_09	125	5.2	704 212.5	5 909 508.2	704 213.7	5 909 519.7	11.5	
22/02/2021	11:24:10	ST16	Still	200388_ST16_10	126	5.2	704 212.5	5 909 508.2	704 209.3	5 909 515.0	7.5	
22/02/2021	11:24:24	ST16	Still	200388_ST16_11	127	5.2	704 212.5	5 909 508.2	704 197.3	5 909 505.2	15.5	
22/02/2021	11:24:39	ST16	Still	200388_ST16_12	128	5.2	704 212.5	5 909 508.2	704 184.1	5 909 497.7	30.3	
22/02/2021	11:24:49	ST16	Video	EOL	129	5.2	704 212.5	5 909 508.2	704 175.9	5 909 497.4	38.1	
25/02/2021	06:52:28	ST02A	Video	SOL	130	12.0	691 702.2	5 911 261.4	691 693.9	5 911 280.4	20.7	
25/02/2021	06:52:38	ST02A	Still	200388_ST02_01	131	12.0	691 702.2	5 911 261.4	691 696.8	5 911 275.7	15.3	
25/02/2021	06:53:17	ST02A	Still	200388_ST02_02	132	12.0	691 702.2	5 911 261.4	691 707.3	5 911 256.6	7.0	
25/02/2021	06:53:27	ST02A	Still	200388_ST02_03	133	12.0	691 702.2	5 911 261.4	691 710.4	5 911 253.7	11.3	
25/02/2021	06:53:39	ST02A	Still	200388_ST02_04	134	12.0	691 702.2	5 911 261.4	691 714.0	5 911 250.9	15.8	
25/02/2021	06:53:53	ST02A	Still	200388_ST02_05	136	12.0	691 702.2	5 911 261.4	691 717.6	5 911 245.9	21.8	
25/02/2021	06:54:16	ST02A	Video	EOL	138	12.0	691 702.2	5 911 261.4	691 724.6	5 911 236.4	33.6	
25/02/2021	09:17:25	ST23	Video	SOL	139	15.0	693 421.5	5 912 050.3	693 445.4	5 912 047.5	24.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
25/02/2021	09:18:09	ST23	Still	200388_ST23_01	141	15.0	693 421.5	5 912 050.3	693 426.3	5 912 046.3	6.3	
25/02/2021	09:18:14	ST23	Still	200388_ST23_02	142	15.0	693 421.5	5 912 050.3	693 424.3	5 912 045.4	5.6	
25/02/2021	09:18:24	ST23	Still	200388_ST23_03	143	15.0	693 421.5	5 912 050.3	693 419.5	5 912 044.0	6.6	
25/02/2021	09:18:39	ST23	Still	200388_ST23_04	144	15.0	693 421.5	5 912 050.3	693 409.5	5 912 047.5	12.3	
25/02/2021	09:18:53	ST23	Still	200388_ST23_05	145	15.0	693 421.5	5 912 050.3	693 402.3	5 912 048.0	19.3	
25/02/2021	09:19:11	ST23	Still	200388_ST23_06	146	15.0	693 421.5	5 912 050.3	693 394.9	5 912 050.5	26.6	
25/02/2021	09:19:19	ST23	Video	EOL	147	15.0	693 421.5	5 912 050.3	693 392.7	5 912 054.1	29.1	
25/02/2021	09:45:39	ST23A	Video	SOL	149	15.0	693 421.5	5 912 050.3	693 458.2	5 912 044.2	37.2	
25/02/2021	09:46:21	ST23A	Still	200388_ST23_01	150	15.0	693 421.5	5 912 050.3	693 438.7	5 912 042.3	19.0	
25/02/2021	09:46:37	ST23A	Still	200388_ST23_02	151	15.0	693 421.5	5 912 050.3	693 433.2	5 912 042.9	13.9	
25/02/2021	09:46:54	ST23A	Still	200388_ST23_03	152	15.0	693 421.5	5 912 050.3	693 431.5	5 912 043.8	11.9	
25/02/2021	09:47:04	ST23A	Still	200388_ST23_04	153	15.0	693 421.5	5 912 050.3	693 432.0	5 912 044.1	12.2	
25/02/2021	09:47:21	ST23A	Still	200388_ST23_05	154	15.0	693 421.5	5 912 050.3	693 430.1	5 912 044.3	10.5	
25/02/2021	09:47:51	ST23A	Still	200388_ST23_06	155	15.0	693 421.5	5 912 050.3	693 416.5	5 912 049.7	5.0	
25/02/2021	09:48:22	ST23A	Still	200388_ST23_07	156	15.0	693 421.5	5 912 050.3	693 402.3	5 912 053.5	19.5	
25/02/2021	09:48:44	ST23A	Still	200388_ST23_08	157	15.0	693 421.5	5 912 050.3	693 397.5	5 912 057.1	25.0	
25/02/2021	09:49:08	ST23A	Video	EOL	158	15.0	693 421.5	5 912 050.3	693 394.8	5 912 061.7	29.0	
25/02/2021	11:45:06	ST23A	HG	FA	159	15.0	693 421.5	5 912 050.3	693 434.2	5 912 045.8	13.4	
25/02/2021	11:58:06	ST23A	DG	PC	160	15.0	693 421.5	5 912 050.3	693 429.7	5 912 051.4	8.3	
25/02/2021	13:46:43	ST26	Video	SOL	163	30.0	698 395.5	5 897 758.2	698 408.4	5 897 723.3	37.2	
25/02/2021	13:47:03	ST26	Still	200388_ST26_01	164	30.0	698 395.5	5 897 758.2	698 408.0	5 897 731.7	29.3	
25/02/2021	13:47:15	ST26	Still	200388_ST26_02	165	30.0	698 395.5	5 897 758.2	698 406.6	5 897 736.0	24.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
25/02/2021	13:47:29	ST26	Still	200388_ST26_03	166	30.0	698 395.5	5 897 758.2	698 404.3	5 897 739.6	20.5	
25/02/2021	13:47:40	ST26	Still	200388_ST26_04	167	30.0	698 395.5	5 897 758.2	698 403.0	5 897 743.9	16.2	
25/02/2021	13:47:56	ST26	Still	200388_ST26_05	168	30.0	698 395.5	5 897 758.2	698 402.4	5 897 749.2	11.4	
25/02/2021	13:48:11	ST26	Still	200388_ST26_06	169	30.0	698 395.5	5 897 758.2	698 399.2	5 897 753.2	6.2	
25/02/2021	13:48:20	ST26	Still	200388_ST26_07	170	30.0	698 395.5	5 897 758.2	698 398.1	5 897 756.4	3.2	
25/02/2021	13:48:31	ST26	Still	200388_ST26_08	171	30.0	698 395.5	5 897 758.2	698 397.3	5 897 760.4	2.8	
25/02/2021	13:48:46	ST26	Still	200388_ST26_09	172	30.0	698 395.5	5 897 758.2	698 395.1	5 897 766.2	8.0	
25/02/2021	13:48:57	ST26	Still	200388_ST26_10	173	30.0	698 395.5	5 897 758.2	698 393.1	5 897 768.4	10.5	
25/02/2021	13:49:21	ST26	Still	200388_ST26_11	174	30.0	698 395.5	5 897 758.2	698 383.0	5 897 776.2	21.9	
25/02/2021	13:49:27	ST26	Still	200388_ST26_12	175	30.0	698 395.5	5 897 758.2	698 382.3	5 897 778.7	24.4	
25/02/2021	13:50:03	ST26	Video	EOL	176	30.0	698 395.5	5 897 758.2	698 380.8	5 897 789.9	35.0	
25/02/2021	14:31:35	ST27	Video	SOL	177	39.0	700 902.4	5 896 813.4	700 923.6	5 896 794.1	28.7	
25/02/2021	14:31:56	ST27	Still	200388_ST27_01	178	39.0	700 902.4	5 896 813.4	700 913.8	5 896 796.9	20.0	
25/02/2021	14:32:17	ST27	Still	200388_ST27_02	179	39.0	700 902.4	5 896 813.4	700 910.5	5 896 800.6	15.1	
25/02/2021	14:32:52	ST27	Still	200388_ST27_03	180	39.0	700 902.4	5 896 813.4	700 905.7	5 896 805.7	8.4	
25/02/2021	14:33:21	ST27	Still	200388_ST27_04	181	39.0	700 902.4	5 896 813.4	700 897.0	5 896 810.6	6.1	
25/02/2021	14:33:57	ST27	Still	200388_ST27_05	182	39.0	700 902.4	5 896 813.4	700 885.1	5 896 817.6	17.8	
25/02/2021	14:34:10	ST27	Still	200388_ST27_06	183	39.0	700 902.4	5 896 813.4	700 884.1	5 896 817.5	18.8	
25/02/2021	14:34:53	ST27	Still	200388_ST27_07	184	39.0	700 902.4	5 896 813.4	700 879.9	5 896 823.3	24.6	
25/02/2021	14:35:15	ST27	Still	200388_ST27_08	185	39.0	700 902.4	5 896 813.4	700 876.4	5 896 827.7	29.7	
25/02/2021	14:36:19	ST27	Video	EOL	186	39.0	700 902.4	5 896 813.4	700 863.8	5 896 838.8	46.2	
26/02/2021	09:42:16	ST16	HG	NS	187	5.2	704 212.5	5 909 508.2	704 218.0	5 909 522.3	15.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
26/02/2021	09:54:21	ST16	HG	FA	188	5.2	704 212.5	5 909 508.2	704 217.4	5 909 515.0	8.4	
26/02/2021	10:04:38	ST16	DG	PC	189	5.2	704 212.5	5 909 508.2	704 218.4	5 909 506.6	6.2	
26/02/2021	10:39:45	ST17	HG	FA	191	6.5	704 861.7	5 907 490.8	704 864.0	5 907 496.9	6.5	
26/02/2021	11:25:31	ST18	HG	FA	192	10.7	705 260.1	5 904 718.1	705 266.0	5 904 716.3	6.2	
26/02/2021	12:41:00	ST27	HG	FA	193	39.0	700 902.4	5 896 813.4	700 923.2	5 896 803.1	23.2	
26/02/2021	13:47:31	ST26	HG	FA	194	30.0	698 395.5	5 897 758.2	698 390.0	5 897 752.0	8.3	
26/02/2021	14:06:01	ST26	DG	NS	195	30.0	698 395.5	5 897 758.2	698 403.5	5 897 752.8	9.6	
26/02/2021	14:19:37	ST26	DG	PC	196	30.0	698 395.5	5 897 758.2	698 394.3	5 897 754.5	3.9	
27/02/2021	14:04:37	ST21	HG	FA	198	7.0	706 424.2	5 896 268.8	706 418.1	5 896 261.4	9.6	
27/02/2021	14:51:04	ST20	HG	FA	199	16.0	706 749.4	5 898 724.8	706 745.3	5 898 724.0	4.2	
27/02/2021	15:21:30	ST19	HG	FA	200	16.5	705 698.0	5 901 455.7	705 692.5	5 901 456.9	5.6	
27/02/2021	15:34:11	ST19	DG	PC	201	16.5	705 698.0	5 901 455.7	705 696.1	5 901 447.8	8.1	
14/03/2021	08:07:00	ST12	Video	SOL	202	13.5	693 990.7	5 901 880.2	694 003.7	5 901 914.2	36.4	
14/03/2021	08:07:25	ST12	Still	200388_ST12_01	205	13.5	693 990.7	5 901 880.2	694 000.6	5 901 906.7	28.3	
14/03/2021	08:08:12	ST12	Still	200388_ST12_02	206	13.5	693 990.7	5 901 880.2	693 995.6	5 901 888.5	9.6	
14/03/2021	08:08:35	ST12	Still	200388_ST12_03	207	13.5	693 990.7	5 901 880.2	693 992.6	5 901 880.7	2.0	
14/03/2021	08:09:52	ST12	Video	EOL	208	13.5	693 990.7	5 901 880.2	693 985.5	5 901 854.6	26.1	
15/03/2021	09:15:33	ST05	Video	SOL	209	26.0	700 944.1	5 907 928.9	700 945.7	5 907 996.7	67.8	
15/03/2021	09:15:44	ST05	Still	200388_ST05_01	210	26.0	700 944.1	5 907 928.9	700 948.7	5 907 996.4	67.7	
15/03/2021	09:16:19	ST05	Still	200388_ST05_02	211	26.0	700 944.1	5 907 928.9	700 955.8	5 907 989.5	61.7	
15/03/2021	09:16:37	ST05	Still	200388_ST05_03	212	26.0	700 944.1	5 907 928.9	700 958.1	5 907 985.1	57.9	
15/03/2021	09:17:33	ST05	Still	200388_ST05_04	213	26.0	700 944.1	5 907 928.9	700 951.7	5 907 969.0	40.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	09:17:44	ST05	Still	200388_ST05_05	214	26.0	700 944.1	5 907 928.9	700 950.7	5 907 968.7	40.3	
15/03/2021	09:17:46	ST05	Still	200388_ST05_06	215	26.0	700 944.1	5 907 928.9	700 950.6	5 907 968.9	40.5	
15/03/2021	09:17:58	ST05	Still	200388_ST05_07	216	26.0	700 944.1	5 907 928.9	700 949.9	5 907 969.1	40.6	
15/03/2021	09:18:36	ST05	Still	200388_ST05_08	217	26.0	700 944.1	5 907 928.9	700 944.6	5 907 962.1	33.2	
15/03/2021	09:18:44	ST05	Still	200388_ST05_09	218	26.0	700 944.1	5 907 928.9	700 943.0	5 907 960.6	31.7	
15/03/2021	09:18:53	ST05	Still	200388_ST05_10	219	26.0	700 944.1	5 907 928.9	700 942.0	5 907 959.2	30.4	
15/03/2021	09:19:00	ST05	Still	200388_ST05_11	220	26.0	700 944.1	5 907 928.9	700 942.0	5 907 958.6	29.8	
15/03/2021	09:19:01	ST05	Still	200388_ST05_12	221	26.0	700 944.1	5 907 928.9	700 942.1	5 907 958.5	29.7	
15/03/2021	09:19:37	ST05	Still	200388_ST05_13	222	26.0	700 944.1	5 907 928.9	700 948.6	5 907 957.4	28.9	
15/03/2021	09:20:35	ST05	Still	200388_ST05_14	223	26.0	700 944.1	5 907 928.9	700 940.9	5 907 943.0	14.5	
15/03/2021	09:20:44	ST05	Still	200388_ST05_15	224	26.0	700 944.1	5 907 928.9	700 938.7	5 907 941.4	13.6	
15/03/2021	09:20:49	ST05	Still	200388_ST05_16	225	26.0	700 944.1	5 907 928.9	700 938.2	5 907 940.9	13.4	
15/03/2021	09:21:07	ST05	Still	200388_ST05_17	226	26.0	700 944.1	5 907 928.9	700 937.4	5 907 941.5	14.3	
15/03/2021	09:21:11	ST05	Still	200388_ST05_18	227	26.0	700 944.1	5 907 928.9	700 937.6	5 907 941.9	14.5	
15/03/2021	09:21:24	ST05	Still	200388_ST05_19	228	26.0	700 944.1	5 907 928.9	700 938.4	5 907 943.1	15.3	
15/03/2021	09:21:39	ST05	Still	200388_ST05_20	229	26.0	700 944.1	5 907 928.9	700 941.4	5 907 942.8	14.2	
15/03/2021	09:22:44	ST05	Still	200388_ST05_21	230	26.0	700 944.1	5 907 928.9	700 943.8	5 907 927.2	1.7	
15/03/2021	09:22:49	ST05	Still	200388_ST05_22	231	26.0	700 944.1	5 907 928.9	700 942.7	5 907 926.8	2.5	
15/03/2021	09:22:56	ST05	Still	200388_ST05_23	232	26.0	700 944.1	5 907 928.9	700 941.9	5 907 926.8	3.0	
15/03/2021	09:22:58	ST05	Still	200388_ST05_24	233	26.0	700 944.1	5 907 928.9	700 941.3	5 907 926.9	3.4	
15/03/2021	09:23:03	ST05	Still	200388_ST05_25	234	26.0	700 944.1	5 907 928.9	700 940.8	5 907 927.0	3.8	
15/03/2021	09:24:11	ST05	Still	200388_ST05_26	235	26.0	700 944.1	5 907 928.9	700 939.4	5 907 918.2	11.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	09:24:15	ST05	Still	200388_ST05_27	236	26.0	700 944.1	5 907 928.9	700 940.9	5 907 918.8	10.6	
15/03/2021	09:25:15	ST05	Still	200388_ST05_28	237	26.0	700 944.1	5 907 928.9	700 963.9	5 907 921.2	21.2	
15/03/2021	09:25:19	ST05	Still	200388_ST05_29	238	26.0	700 944.1	5 907 928.9	700 963.9	5 907 920.6	21.5	
15/03/2021	09:25:30	ST05	Still	200388_ST05_30	239	26.0	700 944.1	5 907 928.9	700 961.5	5 907 919.9	19.6	
15/03/2021	09:26:55	ST05	Still	200388_ST05_31	240	26.0	700 944.1	5 907 928.9	700 930.8	5 907 911.8	21.7	
15/03/2021	09:27:17	ST05	Video	EOL	241	26.0	700 944.1	5 907 928.9	700 923.0	5 907 907.2	30.3	
15/03/2021	09:56:38	ST06	Video	SOL	242	27.0	701 280.3	5 906 492.8	701 256.2	5 906 553.3	65.1	
15/03/2021	09:58:24	ST06	Still	200388_ST06_01	244	27.0	701 280.3	5 906 492.8	701 279.7	5 906 533.5	40.7	
15/03/2021	09:58:32	ST06	Still	200388_ST06_02	245	27.0	701 280.3	5 906 492.8	701 280.7	5 906 531.8	39.0	
15/03/2021	09:58:41	ST06	Still	200388_ST06_03	246	27.0	701 280.3	5 906 492.8	701 280.9	5 906 530.1	37.3	
15/03/2021	09:58:56	ST06	Still	200388_ST06_04	247	27.0	701 280.3	5 906 492.8	701 279.0	5 906 528.0	35.2	
15/03/2021	09:59:10	ST06	Still	200388_ST06_05	248	27.0	701 280.3	5 906 492.8	701 277.3	5 906 524.9	32.2	
15/03/2021	09:59:21	ST06	Still	200388_ST06_06	249	27.0	701 280.3	5 906 492.8	701 277.9	5 906 521.6	28.9	
15/03/2021	09:59:53	ST06	Still	200388_ST06_07	250	27.0	701 280.3	5 906 492.8	701 283.5	5 906 511.2	18.7	
15/03/2021	10:00:02	ST06	Still	200388_ST06_08	251	27.0	701 280.3	5 906 492.8	701 283.7	5 906 509.1	16.7	
15/03/2021	10:00:07	ST06	Still	200388_ST06_09	252	27.0	701 280.3	5 906 492.8	701 284.0	5 906 508.4	16.0	
15/03/2021	10:00:20	ST06	Still	200388_ST06_10	253	27.0	701 280.3	5 906 492.8	701 284.1	5 906 506.4	14.1	
15/03/2021	10:00:27	ST06	Still	200388_ST06_11	254	27.0	701 280.3	5 906 492.8	701 283.8	5 906 506.2	13.8	
15/03/2021	10:00:29	ST06	Still	200388_ST06_12	255	27.0	701 280.3	5 906 492.8	701 284.4	5 906 506.8	14.6	
15/03/2021	10:00:50	ST06	Still	200388_ST06_13	256	27.0	701 280.3	5 906 492.8	701 285.2	5 906 506.7	14.7	
15/03/2021	10:01:11	ST06	Still	200388_ST06_14	257	27.0	701 280.3	5 906 492.8	701 282.7	5 906 504.9	12.3	
15/03/2021	10:01:19	ST06	Still	200388_ST06_15	258	27.0	701 280.3	5 906 492.8	701 282.4	5 906 503.7	11.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	10:02:07	ST06	Still	200388_ST06_16	259	27.0	701 280.3	5 906 492.8	701 274.8	5 906 489.3	6.5	
15/03/2021	10:02:15	ST06	Still	200388_ST06_17	260	27.0	701 280.3	5 906 492.8	701 275.0	5 906 488.0	7.2	
15/03/2021	10:02:27	ST06	Still	200388_ST06_18	261	27.0	701 280.3	5 906 492.8	701 274.5	5 906 486.7	8.4	
15/03/2021	10:02:42	ST06	Still	200388_ST06_19	262	27.0	701 280.3	5 906 492.8	701 274.4	5 906 485.5	9.4	
15/03/2021	10:03:01	ST06	Still	200388_ST06_20	263	27.0	701 280.3	5 906 492.8	701 274.6	5 906 483.1	11.3	
15/03/2021	10:03:08	ST06	Still	200388_ST06_21	264	27.0	701 280.3	5 906 492.8	701 275.9	5 906 483.0	10.7	
15/03/2021	10:03:27	ST06	Still	200388_ST06_22	265	27.0	701 280.3	5 906 492.8	701 280.4	5 906 483.5	9.3	
15/03/2021	10:04:19	ST06	Still	200388_ST06_23	266	27.0	701 280.3	5 906 492.8	701 285.1	5 906 472.1	21.2	
15/03/2021	10:04:47	ST06	Still	200388_ST06_24	267	27.0	701 280.3	5 906 492.8	701 287.6	5 906 468.8	25.1	
15/03/2021	10:04:55	ST06	Video	EOL	268	27.0	701 280.3	5 906 492.8	701 287.9	5 906 468.7	25.3	
15/03/2021	11:03:39	ST08	Video	SOL	269	29.0	699 774.6	5 904 314.5	699 764.3	5 904 364.7	51.2	Video did not record
15/03/2021	11:04:21	ST08	Still	200388_ST08_01	271	29.0	699 774.6	5 904 314.5	699 769.0	5 904 356.0	41.9	
15/03/2021	11:04:41	ST08	Still	200388_ST08_02	272	29.0	699 774.6	5 904 314.5	699 770.4	5 904 351.2	36.9	
15/03/2021	11:05:10	ST08	Still	200388_ST08_03	273	29.0	699 774.6	5 904 314.5	699 773.4	5 904 342.1	27.6	
15/03/2021	11:05:23	ST08	Still	200388_ST08_04	274	29.0	699 774.6	5 904 314.5	699 773.5	5 904 337.2	22.7	
15/03/2021	11:05:29	ST08	Still	200388_ST08_05	275	29.0	699 774.6	5 904 314.5	699 774.3	5 904 335.9	21.4	
15/03/2021	11:05:37	ST08	Still	200388_ST08_06	276	29.0	699 774.6	5 904 314.5	699 773.3	5 904 333.7	19.2	
15/03/2021	11:05:46	ST08	Still	200388_ST08_07	277	29.0	699 774.6	5 904 314.5	699 772.9	5 904 331.5	17.1	
15/03/2021	11:05:51	ST08	Still	200388_ST08_08	278	29.0	699 774.6	5 904 314.5	699 772.8	5 904 329.6	15.2	
15/03/2021	11:06:32	ST08	Still	200388_ST08_09	279	29.0	699 774.6	5 904 314.5	699 776.9	5 904 312.1	3.3	
15/03/2021	11:06:37	ST08	Still	200388_ST08_10	280	29.0	699 774.6	5 904 314.5	699 776.5	5 904 310.7	4.2	
15/03/2021	11:07:07	ST08	Still	200388_ST08_11	281	29.0	699 774.6	5 904 314.5	699 773.7	5 904 304.3	10.2	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	11:07:29	ST08	Still	200388_ST08_12	282	29.0	699 774.6	5 904 314.5	699 771.6	5 904 301.8	13.0	
15/03/2021	11:07:41	ST08	Still	200388_ST08_13	283	29.0	699 774.6	5 904 314.5	699 770.2	5 904 299.5	15.6	
15/03/2021	11:07:56	ST08	Still	200388_ST08_14	284	29.0	699 774.6	5 904 314.5	699 769.9	5 904 297.3	17.8	
15/03/2021	11:08:12	ST08	Still	200388_ST08_15	285	29.0	699 774.6	5 904 314.5	699 769.9	5 904 294.8	20.3	
15/03/2021	11:08:31	ST08	Still	200388_ST08_16	286	29.0	699 774.6	5 904 314.5	699 771.6	5 904 292.2	22.5	
15/03/2021	11:08:42	ST08	Still	200388_ST08_17	287	29.0	699 774.6	5 904 314.5	699 770.9	5 904 290.2	24.6	
15/03/2021	11:08:52	ST08	Still	200388_ST08_18	288	29.0	699 774.6	5 904 314.5	699 770.3	5 904 288.1	26.7	
15/03/2021	11:08:59	ST08	Still	200388_ST08_19	289	29.0	699 774.6	5 904 314.5	699 770.0	5 904 286.5	28.4	
15/03/2021	11:09:07	ST08	Still	200388_ST08_20	290	29.0	699 774.6	5 904 314.5	699 770.8	5 904 284.6	30.1	
15/03/2021	11:09:25	ST08	Still	200388_ST08_21	291	29.0	699 774.6	5 904 314.5	699 772.0	5 904 281.2	33.4	
15/03/2021	11:09:27	ST08	Video	EOL	292	29.0	699 774.6	5 904 314.5	699 772.0	5 904 280.9	33.7	
15/03/2021	11:17:06	ST08A	Video	SOL	293	29.0	699 774.6	5 904 314.5	699 734.0	5 904 281.5	52.3	Video aborted due to navigation issues
15/03/2021	11:23:39	ST08A	Still	SOL	294	29.0	699 774.6	5 904 314.5	699 814.1	5 904 368.7	67.1	
15/03/2021	11:24:03	ST08A	Still	200388_ST08_01	295	29.0	699 774.6	5 904 314.5	699 809.7	5 904 365.6	62.0	
15/03/2021	11:24:17	ST08A	Still	200388_ST08_02	296	29.0	699 774.6	5 904 314.5	699 807.3	5 904 362.3	57.9	
15/03/2021	11:24:25	ST08A	Still	200388_ST08_03	297	29.0	699 774.6	5 904 314.5	699 806.1	5 904 360.5	55.8	
15/03/2021	11:24:35	ST08A	Still	200388_ST08_04	298	29.0	699 774.6	5 904 314.5	699 805.4	5 904 357.7	53.1	
15/03/2021	11:24:55	ST08A	Still	200388_ST08_05	299	29.0	699 774.6	5 904 314.5	699 801.1	5 904 350.5	44.7	
15/03/2021	11:24:59	ST08A	Still	200388_ST08_06	300	29.0	699 774.6	5 904 314.5	699 800.2	5 904 349.8	43.6	
15/03/2021	11:25:15	ST08A	Still	200388_ST08_07	301	29.0	699 774.6	5 904 314.5	699 795.8	5 904 347.1	38.9	
15/03/2021	11:25:36	ST08A	Still	200388_ST08_08	302	29.0	699 774.6	5 904 314.5	699 789.2	5 904 341.4	30.6	
15/03/2021	11:25:41	ST08A	Still	200388_ST08_09	303	29.0	699 774.6	5 904 314.5	699 787.8	5 904 339.7	28.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	11:26:11	ST08A	Still	200388_ST08_10	304	29.0	699 774.6	5 904 314.5	699 781.3	5 904 336.1	22.6	
15/03/2021	11:26:21	ST08A	Still	200388_ST08_11	305	29.0	699 774.6	5 904 314.5	699 779.8	5 904 334.1	20.3	
15/03/2021	11:26:39	ST08A	Still	200388_ST08_12	306	29.0	699 774.6	5 904 314.5	699 777.2	5 904 328.7	14.4	
15/03/2021	11:26:53	ST08A	Still	200388_ST08_13	307	29.0	699 774.6	5 904 314.5	699 775.7	5 904 326.3	11.9	
15/03/2021	11:27:04	ST08A	Still	200388_ST08_14	308	29.0	699 774.6	5 904 314.5	699 773.8	5 904 323.5	9.0	
15/03/2021	11:27:30	ST08A	Still	200388_ST08_15	309	29.0	699 774.6	5 904 314.5	699 770.5	5 904 314.6	4.1	
15/03/2021	11:27:59	ST08A	Still	200388_ST08_16	310	29.0	699 774.6	5 904 314.5	699 769.3	5 904 303.2	12.5	
15/03/2021	11:28:07	ST08A	Still	200388_ST08_17	311	29.0	699 774.6	5 904 314.5	699 769.2	5 904 300.3	15.2	
15/03/2021	11:28:21	ST08A	Still	200388_ST08_18	312	29.0	699 774.6	5 904 314.5	699 769.3	5 904 296.3	19.0	
15/03/2021	11:28:54	ST08A	Still	200388_ST08_19	313	29.0	699 774.6	5 904 314.5	699 768.3	5 904 290.9	24.4	
15/03/2021	11:29:14	ST08A	Still	200388_ST08_20	314	29.0	699 774.6	5 904 314.5	699 767.8	5 904 287.9	27.5	
15/03/2021	11:29:29	ST08A	Video	EOL	315	29.0	699 774.6	5 904 314.5	699 766.9	5 904 285.2	30.3	
15/03/2021	12:21:19	ST09	Video	SOL	316	26.3	701 764.6	5 902 250.5	701 839.3	5 902 247.1	74.8	
15/03/2021	12:21:53	ST09	Still	200388_ST09_01	317	26.3	701 764.6	5 902 250.5	701 829.4	5 902 252.9	64.8	
15/03/2021	12:22:20	ST09	Still	200388_ST09_02	318	26.3	701 764.6	5 902 250.5	701 826.2	5 902 252.0	61.6	
15/03/2021	12:22:24	ST09	Still	200388_ST09_03	319	26.3	701 764.6	5 902 250.5	701 825.5	5 902 250.9	60.9	
15/03/2021	12:22:59	ST09	Still	200388_ST09_04	320	26.3	701 764.6	5 902 250.5	701 816.0	5 902 241.5	52.2	
15/03/2021	12:23:12	ST09	Still	200388_ST09_05	321	26.3	701 764.6	5 902 250.5	701 812.4	5 902 238.3	49.3	
15/03/2021	12:24:01	ST09	Still	200388_ST09_06	322	26.3	701 764.6	5 902 250.5	701 804.3	5 902 239.0	41.3	
15/03/2021	12:24:10	ST09	Still	200388_ST09_07	323	26.3	701 764.6	5 902 250.5	701 803.4	5 902 238.6	40.6	
15/03/2021	12:24:11	ST09	Still	200388_ST09_08	324	26.3	701 764.6	5 902 250.5	701 803.2	5 902 238.7	40.4	
15/03/2021	12:24:58	ST09	Still	200388_ST09_09	325	26.3	701 764.6	5 902 250.5	701 798.8	5 902 238.3	36.3	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	12:25:56	ST09	Still	200388_ST09_10	326	26.3	701 764.6	5 902 250.5	701 780.8	5 902 233.8	23.3	
15/03/2021	12:26:23	ST09	Still	200388_ST09_11	328	26.3	701 764.6	5 902 250.5	701 774.5	5 902 237.3	16.5	
15/03/2021	12:26:36	ST09	Still	200388_ST09_12	329	26.3	701 764.6	5 902 250.5	701 772.8	5 902 238.1	14.9	
15/03/2021	12:26:38	ST09	Still	200388_ST09_13	330	26.3	701 764.6	5 902 250.5	701 772.8	5 902 238.4	14.6	
15/03/2021	12:26:56	ST09	Still	200388_ST09_14	331	26.3	701 764.6	5 902 250.5	701 770.2	5 902 238.7	13.1	
15/03/2021	12:27:11	ST09	Still	200388_ST09_15	332	26.3	701 764.6	5 902 250.5	701 767.2	5 902 239.8	11.0	
15/03/2021	12:27:44	ST09	Still	200388_ST09_16	333	26.3	701 764.6	5 902 250.5	701 761.4	5 902 246.8	4.9	
15/03/2021	12:28:06	ST09	Still	200388_ST09_17	334	26.3	701 764.6	5 902 250.5	701 759.9	5 902 251.9	4.9	
15/03/2021	12:28:31	ST09	Still	200388_ST09_18	335	26.3	701 764.6	5 902 250.5	701 759.4	5 902 257.4	8.6	
15/03/2021	12:28:46	ST09	Still	200388_ST09_19	336	26.3	701 764.6	5 902 250.5	701 760.1	5 902 258.8	9.4	
15/03/2021	12:28:47	ST09	Still	200388_ST09_20	337	26.3	701 764.6	5 902 250.5	701 760.0	5 902 258.8	9.5	
15/03/2021	12:29:22	ST09	Still	200388_ST09_21	338	26.3	701 764.6	5 902 250.5	701 758.7	5 902 269.7	20.1	
15/03/2021	12:29:28	ST09	Still	200388_ST09_22	339	26.3	701 764.6	5 902 250.5	701 759.3	5 902 270.8	21.0	
15/03/2021	12:29:54	ST09	Still	200388_ST09_23	340	26.3	701 764.6	5 902 250.5	701 759.8	5 902 274.0	24.0	
15/03/2021	12:29:55	ST09	Still	200388_ST09_24	341	26.3	701 764.6	5 902 250.5	701 760.7	5 902 274.2	24.0	
15/03/2021	12:30:48	ST09	Still	200388_ST09_25	342	26.3	701 764.6	5 902 250.5	701 761.3	5 902 279.4	29.1	
15/03/2021	12:30:49	ST09	Still	200388_ST09_26	343	26.3	701 764.6	5 902 250.5	701 761.7	5 902 279.5	29.1	
15/03/2021	12:30:51	ST09	Still	200388_ST09_27	344	26.3	701 764.6	5 902 250.5	701 761.5	5 902 279.4	29.1	
15/03/2021	12:31:01	ST09	Video	EOL	345	26.3	701 764.6	5 902 250.5	701 762.2	5 902 279.3	28.9	
15/03/2021	14:49:11	ST29	Video	SOL	346	40.0	708 844.1	5 903 199.4	708 853.7	5 903 144.0	56.2	
15/03/2021	14:49:34	ST29	Still	200388_ST29_01	347	40.0	708 844.1	5 903 199.4	708 851.7	5 903 148.4	51.6	
15/03/2021	14:49:50	ST29	Still	200388_ST29_02	348	40.0	708 844.1	5 903 199.4	708 850.5	5 903 151.4	48.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	14:50:38	ST29	Still	200388_ST29_03	349	40.0	708 844.1	5 903 199.4	708 843.3	5 903 160.0	39.4	
15/03/2021	14:51:17	ST29	Still	200388_ST29_04	350	40.0	708 844.1	5 903 199.4	708 845.7	5 903 170.8	28.6	
15/03/2021	14:51:26	ST29	Still	200388_ST29_05	351	40.0	708 844.1	5 903 199.4	708 844.2	5 903 172.9	26.5	
15/03/2021	14:51:49	ST29	Still	200388_ST29_06	352	40.0	708 844.1	5 903 199.4	708 845.3	5 903 179.2	20.2	
15/03/2021	14:52:18	ST29	Still	200388_ST29_07	353	40.0	708 844.1	5 903 199.4	708 847.9	5 903 186.8	13.2	
15/03/2021	14:52:30	ST29	Still	200388_ST29_08	354	40.0	708 844.1	5 903 199.4	708 844.4	5 903 189.4	10.0	
15/03/2021	14:52:51	ST29	Still	200388_ST29_09	355	40.0	708 844.1	5 903 199.4	708 844.1	5 903 195.1	4.3	
15/03/2021	14:53:01	ST29	Still	200388_ST29_10	356	40.0	708 844.1	5 903 199.4	708 848.8	5 903 196.6	5.5	
15/03/2021	14:53:24	ST29	Still	200388_ST29_11	357	40.0	708 844.1	5 903 199.4	708 851.8	5 903 205.0	9.5	
15/03/2021	14:53:38	ST29	Still	200388_ST29_12	358	40.0	708 844.1	5 903 199.4	708 847.5	5 903 206.5	7.9	
15/03/2021	14:53:44	ST29	Still	200388_ST29_13	359	40.0	708 844.1	5 903 199.4	708 845.4	5 903 206.2	6.9	
15/03/2021	14:54:03	ST29	Still	200388_ST29_14	360	40.0	708 844.1	5 903 199.4	708 842.6	5 903 210.7	11.4	
15/03/2021	14:54:14	ST29	Still	200388_ST29_15	361	40.0	708 844.1	5 903 199.4	708 845.4	5 903 213.0	13.7	
15/03/2021	14:54:41	ST29	Still	200388_ST29_16	362	40.0	708 844.1	5 903 199.4	708 852.7	5 903 222.9	25.0	
15/03/2021	14:54:48	ST29	Still	200388_ST29_17	363	40.0	708 844.1	5 903 199.4	708 851.2	5 903 222.8	24.5	
15/03/2021	14:55:25	ST29	Still	200388_ST29_18	364	40.0	708 844.1	5 903 199.4	708 848.8	5 903 229.0	30.0	
15/03/2021	14:55:32	ST29	Still	200388_ST29_19	365	40.0	708 844.1	5 903 199.4	708 848.6	5 903 230.7	31.6	
15/03/2021	14:55:46	ST29	Video	EOL	366	40.0	708 844.1	5 903 199.4	708 850.6	5 903 232.7	33.9	
15/03/2021	15:25:24	ST19A	Video	SOL	367	16.5	705 698.0	5 901 455.7	705 680.4	5 901 385.1	72.8	
15/03/2021	15:25:52	ST19A	Still	200388_ST19_01	368	16.5	705 698.0	5 901 455.7	705 680.1	5 901 393.8	64.4	
15/03/2021	15:28:54	ST19A	Still	200388_ST19_02	369	16.5	705 698.0	5 901 455.7	705 699.0	5 901 402.5	53.2	
15/03/2021	15:29:32	ST19A	Video	EOL	370	16.5	705 698.0	5 901 455.7	705 701.8	5 901 411.0	44.9	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	15:45:43	ST19A	Video	SOL	371	16.5	705 698.0	5 901 455.7	705 686.4	5 901 356.6	99.8	
15/03/2021	15:45:51	ST19A	Still	200388_ST19_01	372	16.5	705 698.0	5 901 455.7	705 686.4	5 901 357.7	98.7	
15/03/2021	15:46:34	ST19A	Still	200388_ST19_02	373	16.5	705 698.0	5 901 455.7	705 688.7	5 901 369.6	86.6	
15/03/2021	15:47:06	ST19A	Still	200388_ST19_03	374	16.5	705 698.0	5 901 455.7	705 682.5	5 901 377.9	79.3	
15/03/2021	15:47:27	ST19A	Still	200388_ST19_04	375	16.5	705 698.0	5 901 455.7	705 679.3	5 901 380.7	77.3	
15/03/2021	15:47:56	ST19A	Still	200388_ST19_05	No fix	16.5	705 698.0	5 901 455.7	-	-		
15/03/2021	15:48:02	ST19A	Still	200388_ST19_06	376	16.5	705 698.0	5 901 455.7	705 680.1	5 901 387.0	71.0	
15/03/2021	15:48:35	ST19A	Still	200388_ST19_07	377	16.5	705 698.0	5 901 455.7	705 684.1	5 901 395.5	61.8	
15/03/2021	15:49:07	ST19A	Still	200388_ST19_08	378	16.5	705 698.0	5 901 455.7	705 685.5	5 901 406.6	50.7	
15/03/2021	15:49:16	ST19A	Still	200388_ST19_09	379	16.5	705 698.0	5 901 455.7	705 686.9	5 901 408.4	48.6	
15/03/2021	15:49:45	ST19A	Still	200388_ST19_10	380	16.5	705 698.0	5 901 455.7	705 688.0	5 901 415.5	41.4	
15/03/2021	15:50:14	ST19A	Still	200388_ST19_11	381	16.5	705 698.0	5 901 455.7	705 687.8	5 901 418.3	38.8	
15/03/2021	15:50:28	ST19A	Still	200388_ST19_12	382	16.5	705 698.0	5 901 455.7	705 686.7	5 901 419.5	37.9	
15/03/2021	15:50:36	ST19A	Still	200388_ST19_13	383	16.5	705 698.0	5 901 455.7	705 686.7	5 901 419.4	38.0	
15/03/2021	15:50:50	ST19A	Still	200388_ST19_14	384	16.5	705 698.0	5 901 455.7	705 687.0	5 901 417.9	39.4	
15/03/2021	15:50:58	ST19A	Still	200388_ST19_15	385	16.5	705 698.0	5 901 455.7	705 687.3	5 901 417.6	39.6	
15/03/2021	15:51:36	ST19A	Still	200388_ST19_16	386	16.5	705 698.0	5 901 455.7	705 687.4	5 901 421.3	36.0	
15/03/2021	15:52:23	ST19A	Still	200388_ST19_17	387	16.5	705 698.0	5 901 455.7	705 696.1	5 901 435.6	20.2	
15/03/2021	15:52:28	ST19A	Still	200388_ST19_18	388	16.5	705 698.0	5 901 455.7	705 695.5	5 901 436.5	19.4	
15/03/2021	15:52:47	ST19A	Still	200388_ST19_19	389	16.5	705 698.0	5 901 455.7	705 693.9	5 901 442.9	13.4	
15/03/2021	15:53:17	ST19A	Still	200388_ST19_20	390	16.5	705 698.0	5 901 455.7	705 695.9	5 901 450.9	5.2	
15/03/2021	15:53:22	ST19A	Still	200388_ST19_21	391	16.5	705 698.0	5 901 455.7	705 696.1	5 901 451.3	4.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	15:53:44	ST19A	Still	200388_ST19_22	392	16.5	705 698.0	5 901 455.7	705 700.5	5 901 458.5	3.8	
15/03/2021	15:54:02	ST19A	Still	200388_ST19_23	393	16.5	705 698.0	5 901 455.7	705 702.9	5 901 461.3	7.4	
15/03/2021	15:54:27	ST19A	Still	200388_ST19_24	394	16.5	705 698.0	5 901 455.7	705 703.5	5 901 466.4	12.0	
15/03/2021	15:54:30	ST19A	Still	200388_ST19_25	395	16.5	705 698.0	5 901 455.7	705 703.3	5 901 467.1	12.6	
15/03/2021	15:54:48	ST19A	Still	200388_ST19_26	396	16.5	705 698.0	5 901 455.7	705 701.3	5 901 473.4	18.0	
15/03/2021	15:54:50	ST19A	Still	200388_ST19_27	397	16.5	705 698.0	5 901 455.7	705 701.4	5 901 473.5	18.1	
15/03/2021	15:55:04	ST19A	Still	200388_ST19_28	398	16.5	705 698.0	5 901 455.7	705 703.2	5 901 476.3	21.2	
15/03/2021	15:55:20	ST19A	Still	200388_ST19_29	399	16.5	705 698.0	5 901 455.7	705 701.9	5 901 481.8	26.4	
15/03/2021	15:55:43	ST19A	Still	200388_ST19_30	400	16.5	705 698.0	5 901 455.7	705 700.0	5 901 487.2	31.6	
15/03/2021	15:55:51	ST19A	Video	EOL	401	16.5	705 698.0	5 901 455.7	705 698.1	5 901 489.5	33.8	
15/03/2021	16:15:50	ST20A	Video	SOL	402	16.0	706 749.4	5 898 724.8	706 755.0	5 898 672.7	52.4	
15/03/2021	16:16:25	ST20A	Still	200388_ST20_01	403	16.0	706 749.4	5 898 724.8	706 743.8	5 898 678.8	46.3	
15/03/2021	16:16:56	ST20A	Still	200388_ST20_02	404	16.0	706 749.4	5 898 724.8	706 732.5	5 898 691.9	37.0	
15/03/2021	16:17:57	ST20A	Still	200388_ST20_03	405	16.0	706 749.4	5 898 724.8	706 753.6	5 898 705.4	19.8	
15/03/2021	16:18:27	ST20A	Still	200388_ST20_04	406	16.0	706 749.4	5 898 724.8	706 751.4	5 898 710.1	14.8	
15/03/2021	16:18:28	ST20A	Still	200388_ST20_05	407	16.0	706 749.4	5 898 724.8	706 751.5	5 898 710.1	14.8	
15/03/2021	16:18:50	ST20A	Still	200388_ST20_06	408	16.0	706 749.4	5 898 724.8	706 749.5	5 898 712.2	12.6	
15/03/2021	16:18:52	ST20A	Still	200388_ST20_07	409	16.0	706 749.4	5 898 724.8	706 749.7	5 898 712.0	12.8	
15/03/2021	16:19:29	ST20A	Still	200388_ST20_08	410	16.0	706 749.4	5 898 724.8	706 751.0	5 898 722.0	3.2	
15/03/2021	16:19:30	ST20A	Still	200388_ST20_09	411	16.0	706 749.4	5 898 724.8	706 750.9	5 898 722.1	3.1	
15/03/2021	16:19:32	ST20A	Still	200388_ST20_10	412	16.0	706 749.4	5 898 724.8	706 750.5	5 898 722.1	2.9	
15/03/2021	16:20:28	ST20A	Still	200388_ST20_11	413	16.0	706 749.4	5 898 724.8	706 746.6	5 898 733.5	9.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	16:20:32	ST20A	Still	200388_ST20_12	414	16.0	706 749.4	5 898 724.8	706 746.7	5 898 733.3	8.9	
15/03/2021	16:20:41	ST20A	Still	200388_ST20_13	415	16.0	706 749.4	5 898 724.8	706 747.1	5 898 732.1	7.7	
15/03/2021	16:20:41	ST20A	Still	200388_ST20_14	No fix	16.0	706 749.4	5 898 724.8	-	-	-	
15/03/2021	16:20:51	ST20A	Still	200388_ST20_15	416	16.0	706 749.4	5 898 724.8	706 746.9	5 898 730.4	6.1	
15/03/2021	16:21:35	ST20A	Still	200388_ST20_16	417	16.0	706 749.4	5 898 724.8	706 753.9	5 898 734.4	10.6	
15/03/2021	16:21:56	ST20A	Still	200388_ST20_17	418	16.0	706 749.4	5 898 724.8	706 756.6	5 898 741.4	18.1	
15/03/2021	16:21:58	ST20A	Still	200388_ST20_18	419	16.0	706 749.4	5 898 724.8	706 756.2	5 898 741.7	18.2	
15/03/2021	16:22:20	ST20A	Still	200388_ST20_19	420	16.0	706 749.4	5 898 724.8	706 754.9	5 898 744.6	20.5	
15/03/2021	16:22:21	ST20A	Still	200388_ST20_20	421	16.0	706 749.4	5 898 724.8	706 755.3	5 898 744.7	20.8	
15/03/2021	16:22:23	ST20A	Still	200388_ST20_21	422	16.0	706 749.4	5 898 724.8	706 754.6	5 898 744.5	20.4	
15/03/2021	16:22:37	ST20A	Still	200388_ST20_22	423	16.0	706 749.4	5 898 724.8	706 753.3	5 898 744.5	20.1	
15/03/2021	16:23:32	ST20A	Still	200388_ST20_23	424	16.0	706 749.4	5 898 724.8	706 748.4	5 898 751.1	26.3	
15/03/2021	16:23:34	ST20A	Still	200388_ST20_24	425	16.0	706 749.4	5 898 724.8	706 748.6	5 898 751.7	26.9	
15/03/2021	16:23:36	ST20A	Still	200388_ST20_25	426	16.0	706 749.4	5 898 724.8	706 748.5	5 898 751.7	26.9	
15/03/2021	16:24:08	ST20A	Still	200388_ST20_26	427	16.0	706 749.4	5 898 724.8	706 751.1	5 898 758.1	33.3	
15/03/2021	16:24:10	ST20A	Still	200388_ST20_27	428	16.0	706 749.4	5 898 724.8	706 751.1	5 898 758.7	33.9	
15/03/2021	16:24:13	ST20A	Still	200388_ST20_28	429	16.0	706 749.4	5 898 724.8	706 751.3	5 898 759.3	34.6	
15/03/2021	16:24:22	ST20A	Video	EOL	430	16.0	706 749.4	5 898 724.8	706 751.2	5 898 760.4	35.6	
15/03/2021	16:39:06	ST21A	Video	SOL	431	7.0	706 424.2	5 896 268.8	706 431.1	5 896 308.0	39.8	
15/03/2021	16:43:55	ST21A	Still	200388_ST21_01	434	7.0	706 424.2	5 896 268.8	706 417.5	5 896 254.2	16.1	
15/03/2021	16:44:15	ST21A	Still	200388_ST21_02	435	7.0	706 424.2	5 896 268.8	706 419.8	5 896 257.4	12.2	
15/03/2021	16:44:49	ST21A	Still	200388_ST21_03	436	7.0	706 424.2	5 896 268.8	706 419.6	5 896 268.3	4.6	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	16:45:08	ST21A	Still	200388_ST21_04	437	7.0	706 424.2	5 896 268.8	706 423.8	5 896 272.9	4.1	
15/03/2021	16:45:09	ST21A	Still	200388_ST21_05	438	7.0	706 424.2	5 896 268.8	706 423.8	5 896 273.1	4.3	
15/03/2021	16:45:10	ST21A	Still	200388_ST21_06	439	7.0	706 424.2	5 896 268.8	706 424.1	5 896 273.0	4.2	
15/03/2021	16:45:35	ST21A	Still	200388_ST21_07	440	7.0	706 424.2	5 896 268.8	706 427.8	5 896 275.0	7.2	
15/03/2021	16:45:39	ST21A	Still	200388_ST21_08	441	7.0	706 424.2	5 896 268.8	706 427.8	5 896 275.7	7.8	
15/03/2021	16:46:06	ST21A	Still	200388_ST21_09	442	7.0	706 424.2	5 896 268.8	706 430.5	5 896 285.5	17.8	
15/03/2021	16:46:08	ST21A	Still	200388_ST21_10	443	7.0	706 424.2	5 896 268.8	706 430.8	5 896 285.5	18.0	
15/03/2021	16:46:53	ST21A	Still	200388_ST21_11	444	7.0	706 424.2	5 896 268.8	706 435.9	5 896 291.5	25.5	
15/03/2021	16:46:54	ST21A	Still	200388_ST21_12	445	7.0	706 424.2	5 896 268.8	706 435.9	5 896 291.6	25.6	
15/03/2021	16:47:13	ST21A	Still	200388_ST21_13	446	7.0	706 424.2	5 896 268.8	706 437.5	5 896 293.8	28.3	
15/03/2021	16:47:25	ST21A	Still	200388_ST21_14	447	7.0	706 424.2	5 896 268.8	706 436.7	5 896 294.0	28.1	
15/03/2021	16:47:44	ST21A	Video	EOL	448	7.0	706 424.2	5 896 268.8	706 434.9	5 896 293.6	27.0	
15/03/2021	17:24:53	ST26A	Video	SOL	449	30.0	698 395.5	5 897 758.2	698 369.2	5 897 713.9	51.5	
15/03/2021	17:27:01	ST26A	Still	200388_ST26_01	451	30.0	698 395.5	5 897 758.2	698 398.5	5 897 763.5	6.1	
15/03/2021	17:27:21	ST26A	Still	200388_ST26_02	452	30.0	698 395.5	5 897 758.2	698 395.6	5 897 762.8	4.6	
15/03/2021	17:27:42	ST26A	Still	200388_ST26_03	453	30.0	698 395.5	5 897 758.2	698 390.0	5 897 762.8	7.2	
15/03/2021	17:28:35	ST26A	Still	200388_ST26_04	454	30.0	698 395.5	5 897 758.2	698 377.8	5 897 778.5	26.9	
15/03/2021	17:28:58	ST26A	Video	EOL	455	30.0	698 395.5	5 897 758.2	698 377.0	5 897 780.2	28.7	
15/03/2021	18:20:34	ST15	Video	SOL	456	27.0	702 295.0	5 899 381.6	702 235.5	5 899 396.3	61.3	
15/03/2021	18:21:10	ST15	Still	200388_ST15_01	457	27.0	702 295.0	5 899 381.6	702 249.2	5 899 400.8	49.7	
15/03/2021	18:21:41	ST15	Still	200388_ST15_02	458	27.0	702 295.0	5 899 381.6	702 255.5	5 899 399.5	43.4	
15/03/2021	18:22:54	ST15	Still	200388_ST15_03	459	27.0	702 295.0	5 899 381.6	702 270.3	5 899 403.1	32.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
15/03/2021	18:22:56	ST15	Still	200388_ST15_04	460	27.0	702 295.0	5 899 381.6	702 270.3	5 899 403.0	32.7	
15/03/2021	18:23:02	ST15	Still	200388_ST15_05	461	27.0	702 295.0	5 899 381.6	702 272.3	5 899 403.0	31.2	
15/03/2021	18:23:19	ST15	Still	200388_ST15_06	462	27.0	702 295.0	5 899 381.6	702 276.9	5 899 402.1	27.3	
15/03/2021	18:23:30	ST15	Still	200388_ST15_07	463	27.0	702 295.0	5 899 381.6	702 279.7	5 899 401.0	24.7	
15/03/2021	18:23:38	ST15	Still	200388_ST15_08	464	27.0	702 295.0	5 899 381.6	702 281.6	5 899 400.5	23.2	
15/03/2021	18:23:59	ST15	Still	200388_ST15_09	465	27.0	702 295.0	5 899 381.6	702 285.8	5 899 399.7	20.3	
15/03/2021	18:24:20	ST15	Still	200388_ST15_10	466	27.0	702 295.0	5 899 381.6	702 292.1	5 899 396.2	14.9	
15/03/2021	18:24:29	ST15	Still	200388_ST15_11	467	27.0	702 295.0	5 899 381.6	702 294.5	5 899 393.7	12.1	
15/03/2021	18:24:41	ST15	Still	200388_ST15_12	468	27.0	702 295.0	5 899 381.6	702 296.8	5 899 390.5	9.1	
15/03/2021	18:24:47	ST15	Still	200388_ST15_13	469	27.0	702 295.0	5 899 381.6	702 298.2	5 899 388.2	7.3	
15/03/2021	18:25:05	ST15	Still	200388_ST15_14	470	27.0	702 295.0	5 899 381.6	702 300.4	5 899 382.6	5.5	
15/03/2021	18:25:12	ST15	Still	200388_ST15_15	471	27.0	702 295.0	5 899 381.6	702 301.0	5 899 380.0	6.2	
15/03/2021	18:25:18	ST15	Still	200388_ST15_16	472	27.0	702 295.0	5 899 381.6	702 301.5	5 899 378.7	7.1	
15/03/2021	18:25:47	ST15	Still	200388_ST15_17	473	27.0	702 295.0	5 899 381.6	702 300.8	5 899 373.3	10.1	
15/03/2021	18:25:59	ST15	Still	200388_ST15_18	474	27.0	702 295.0	5 899 381.6	702 299.0	5 899 371.6	10.8	
15/03/2021	18:26:13	ST15	Still	200388_ST15_19	475	27.0	702 295.0	5 899 381.6	702 296.5	5 899 368.7	13.0	
15/03/2021	18:26:27	ST15	Still	200388_ST15_20	476	27.0	702 295.0	5 899 381.6	702 294.6	5 899 365.6	16.0	
15/03/2021	18:26:48	ST15	Still	200388_ST15_21	477	27.0	702 295.0	5 899 381.6	702 294.4	5 899 363.1	18.5	
15/03/2021	18:27:17	ST15	Still	200388_ST15_22	478	27.0	702 295.0	5 899 381.6	702 295.1	5 899 359.8	21.8	
15/03/2021	18:27:40	ST15	Still	200388_ST15_23	479	27.0	702 295.0	5 899 381.6	702 302.8	5 899 354.0	28.7	
15/03/2021	18:27:49	ST15	Video	EOL	480	27.0	702 295.0	5 899 381.6	702 305.2	5 899 353.5	29.9	
16/03/2021	08:10:54	ST05	HG	FA	481	26.0	700 944.1	5 907 928.9	700 945.6	5 907 946.9	18.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	08:31:06	ST05	DG	NS	482	26.0	700 944.1	5 907 928.9	700 937.4	5 907 935.5	9.4	
16/03/2021	09:03:57	ST05	DG	PC	483	26.0	700 944.1	5 907 928.9	700 947.3	5 907 939.6	11.2	
16/03/2021	10:01:59	ST06	HG	FA	484	27.0	701 280.3	5 906 492.8	701 262.2	5 906 490.8	18.2	
16/03/2021	10:39:10	ST08	HG	FA	485	29.0	699 774.6	5 904 314.5	699 780.8	5 904 322.1	9.8	
16/03/2021	10:53:14	ST08	DG	PC	486	29.0	699 774.6	5 904 314.5	699 766.8	5 904 321.3	10.3	
16/03/2021	11:39:28	ST09	HG	FA	487	26.3	701 764.6	5 902 250.5	701 759.6	5 902 242.6	9.3	
16/03/2021	13:22:30	ST13	Video	SOL	488	20.0	696 409.4	5 901 881.4	696 407.2	5 901 789.5	91.9	
16/03/2021	13:23:01	ST13	Still	200388_ST13_01	489	20.0	696 409.4	5 901 881.4	696 403.2	5 901 799.5	82.1	
16/03/2021	13:23:28	ST13	Still	200388_ST13_02	490	20.0	696 409.4	5 901 881.4	696 403.7	5 901 805.4	76.2	
16/03/2021	13:23:38	ST13	Still	200388_ST13_03	491	20.0	696 409.4	5 901 881.4	696 401.8	5 901 805.5	76.3	
16/03/2021	13:24:21	ST13	Still	200388_ST13_04	492	20.0	696 409.4	5 901 881.4	696 399.6	5 901 821.6	60.6	
16/03/2021	13:24:35	ST13	Still	200388_ST13_05	493	20.0	696 409.4	5 901 881.4	696 401.7	5 901 824.3	57.6	
16/03/2021	13:25:36	ST13	Still	200388_ST13_06	494	20.0	696 409.4	5 901 881.4	696 404.8	5 901 843.7	38.0	
16/03/2021	13:25:42	ST13	Still	200388_ST13_07	495	20.0	696 409.4	5 901 881.4	696 406.0	5 901 845.1	36.5	
16/03/2021	13:26:35	ST13	Still	200388_ST13_08	496	20.0	696 409.4	5 901 881.4	696 408.7	5 901 863.4	18.0	
16/03/2021	13:26:45	ST13	Still	200388_ST13_09	497	20.0	696 409.4	5 901 881.4	696 408.3	5 901 864.2	17.2	
16/03/2021	13:26:48	ST13	Still	200388_ST13_10	498	20.0	696 409.4	5 901 881.4	696 408.8	5 901 864.0	17.4	
16/03/2021	13:27:06	ST13	Still	200388_ST13_11	499	20.0	696 409.4	5 901 881.4	696 411.2	5 901 865.0	16.5	
16/03/2021	13:27:20	ST13	Still	200388_ST13_12	500	20.0	696 409.4	5 901 881.4	696 412.9	5 901 866.8	15.0	
16/03/2021	13:27:33	ST13	Still	200388_ST13_13	501	20.0	696 409.4	5 901 881.4	696 410.9	5 901 868.4	13.1	
16/03/2021	13:27:37	ST13	Still	200388_ST13_14	502	20.0	696 409.4	5 901 881.4	696 410.0	5 901 868.8	12.6	
16/03/2021	13:27:40	ST13	Still	200388_ST13_15	503	20.0	696 409.4	5 901 881.4	696 409.6	5 901 868.9	12.5	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	13:28:20	ST13	Still	200388_ST13_16	504	20.0	696 409.4	5 901 881.4	696 414.0	5 901 877.5	6.0	
16/03/2021	13:28:22	ST13	Still	200388_ST13_17	505	20.0	696 409.4	5 901 881.4	696 414.7	5 901 877.6	6.5	
16/03/2021	13:29:12	ST13	Still	200388_ST13_18	506	20.0	696 409.4	5 901 881.4	696 414.2	5 901 885.5	6.3	
16/03/2021	13:29:13	ST13	Still	200388_ST13_19	507	20.0	696 409.4	5 901 881.4	696 414.5	5 901 885.6	6.6	
16/03/2021	13:29:50	ST13	Still	200388_ST13_20	508	20.0	696 409.4	5 901 881.4	696 413.5	5 901 895.4	14.6	
16/03/2021	13:29:55	ST13	Still	200388_ST13_21	509	20.0	696 409.4	5 901 881.4	696 413.7	5 901 895.6	14.8	
16/03/2021	13:29:56	ST13	Still	200388_ST13_22	510	20.0	696 409.4	5 901 881.4	696 414.2	5 901 895.6	15.0	
16/03/2021	13:30:12	ST13	Still	200388_ST13_23	511	20.0	696 409.4	5 901 881.4	696 416.5	5 901 896.3	16.5	
16/03/2021	13:30:43	ST13	Still	200388_ST13_24	512	20.0	696 409.4	5 901 881.4	696 414.0	5 901 904.6	23.7	
16/03/2021	13:30:51	ST13	Still	200388_ST13_25	513	20.0	696 409.4	5 901 881.4	696 411.8	5 901 906.2	24.9	
16/03/2021	13:30:57	ST13	Still	200388_ST13_26	514	20.0	696 409.4	5 901 881.4	696 411.0	5 901 906.3	25.0	
16/03/2021	13:31:06	ST13	Video	EOL	515	20.0	696 409.4	5 901 881.4	696 410.8	5 901 904.9	23.5	
16/03/2021	13:58:22	ST11	Video	SOL	516	15.0	695 241.9	5 903 564.7	695 242.8	5 903 509.4	55.3	
16/03/2021	13:59:03	ST11	Still	200388_ST11_01	517	15.0	695 241.9	5 903 564.7	695 243.6	5 903 520.5	44.2	
16/03/2021	13:59:06	ST11	Still	200388_ST11_02	518	15.0	695 241.9	5 903 564.7	695 243.7	5 903 520.7	44.0	
16/03/2021	13:59:47	ST11	Still	200388_ST11_03	519	15.0	695 241.9	5 903 564.7	695 240.9	5 903 527.8	36.9	
16/03/2021	14:00:59	ST11	Still	200388_ST11_04	520	15.0	695 241.9	5 903 564.7	695 244.0	5 903 549.4	15.4	
16/03/2021	14:01:02	ST11	Still	200388_ST11_05	521	15.0	695 241.9	5 903 564.7	695 244.0	5 903 549.6	15.2	
16/03/2021	14:01:11	ST11	Still	200388_ST11_06	522	15.0	695 241.9	5 903 564.7	695 246.0	5 903 550.5	14.8	
16/03/2021	14:01:51	ST11	Still	200388_ST11_07	523	15.0	695 241.9	5 903 564.7	695 244.4	5 903 558.7	6.5	
16/03/2021	14:01:52	ST11	Still	200388_ST11_08	524	15.0	695 241.9	5 903 564.7	695 244.4	5 903 559.1	6.1	
16/03/2021	14:01:55	ST11	Still	200388_ST11_09	525	15.0	695 241.9	5 903 564.7	695 244.1	5 903 560.1	5.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	14:03:41	ST11	Still	200388_ST11_10	526	15.0	695 241.9	5 903 564.7	695 243.1	5 903 572.0	7.4	
16/03/2021	14:03:57	ST11	Still	200388_ST11_11	527	15.0	695 241.9	5 903 564.7	695 244.0	5 903 573.3	8.9	
16/03/2021	14:04:00	ST11	Still	200388_ST11_12	528	15.0	695 241.9	5 903 564.7	695 243.9	5 903 573.3	8.8	
16/03/2021	14:04:02	ST11	Still	200388_ST11_13	529	15.0	695 241.9	5 903 564.7	695 243.8	5 903 572.9	8.4	
16/03/2021	14:04:06	ST11	Still	200388_ST11_14	530	15.0	695 241.9	5 903 564.7	695 243.6	5 903 572.4	7.9	
16/03/2021	14:05:37	ST11	Still	200388_ST11_15	531	15.0	695 241.9	5 903 564.7	695 223.8	5 903 587.2	28.9	
16/03/2021	14:05:38	ST11	Still	200388_ST11_16	532	15.0	695 241.9	5 903 564.7	695 223.8	5 903 587.3	29.0	
16/03/2021	14:05:41	ST11	Still	200388_ST11_17	533	15.0	695 241.9	5 903 564.7	695 223.8	5 903 587.6	29.2	
16/03/2021	14:06:02	ST11	Video	EOL	534	15.0	695 241.9	5 903 564.7	695 225.6	5 903 589.2	29.4	
16/03/2021	14:27:21	ST12A	Video	SOL	535	13.5	693 990.7	5 901 880.2	694 010.8	5 901 825.6	58.2	
16/03/2021	14:27:57	ST12A	Still	200388_ST12_01	536	13.5	693 990.7	5 901 880.2	694 001.6	5 901 828.0	53.3	
16/03/2021	14:28:00	ST12A	Still	200388_ST12_02	537	13.5	693 990.7	5 901 880.2	694 001.7	5 901 827.9	53.4	
16/03/2021	14:28:03	ST12A	Still	200388_ST12_03	538	13.5	693 990.7	5 901 880.2	694 002.3	5 901 827.2	54.3	
16/03/2021	14:28:38	ST12A	Still	200388_ST12_04	539	13.5	693 990.7	5 901 880.2	694 005.4	5 901 833.7	48.8	
16/03/2021	14:28:40	ST12A	Still	200388_ST12_05	540	13.5	693 990.7	5 901 880.2	694 006.0	5 901 834.6	48.1	
16/03/2021	14:28:57	ST12A	Still	200388_ST12_06	541	13.5	693 990.7	5 901 880.2	694 004.6	5 901 838.5	44.0	
16/03/2021	14:28:59	ST12A	Still	200388_ST12_07	542	13.5	693 990.7	5 901 880.2	694 004.5	5 901 838.7	43.7	
16/03/2021	14:29:46	ST12A	Still	200388_ST12_08	543	13.5	693 990.7	5 901 880.2	694 007.5	5 901 841.7	42.0	
16/03/2021	14:29:48	ST12A	Still	200388_ST12_09	544	13.5	693 990.7	5 901 880.2	694 007.0	5 901 841.7	41.8	
16/03/2021	14:30:18	ST12A	Still	200388_ST12_10	545	13.5	693 990.7	5 901 880.2	694 002.0	5 901 847.0	35.1	
16/03/2021	14:30:20	ST12A	Still	200388_ST12_11	546	13.5	693 990.7	5 901 880.2	694 002.2	5 901 847.3	34.9	
16/03/2021	14:30:54	ST12A	Still	200388_ST12_12	547	13.5	693 990.7	5 901 880.2	694 006.7	5 901 850.6	33.6	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	14:30:56	ST12A	Still	200388_ST12_13	548	13.5	693 990.7	5 901 880.2	694 006.8	5 901 851.2	33.2	
16/03/2021	14:31:35	ST12A	Still	200388_ST12_14	549	13.5	693 990.7	5 901 880.2	693 997.8	5 901 856.7	24.5	
16/03/2021	14:31:39	ST12A	Still	200388_ST12_15	550	13.5	693 990.7	5 901 880.2	693 997.6	5 901 856.4	24.8	
16/03/2021	14:32:29	ST12A	Still	200388_ST12_16	551	13.5	693 990.7	5 901 880.2	694 001.6	5 901 864.4	19.2	
16/03/2021	14:32:31	ST12A	Still	200388_ST12_17	552	13.5	693 990.7	5 901 880.2	694 003.0	5 901 865.4	19.2	
16/03/2021	14:33:08	ST12A	Still	200388_ST12_18	553	13.5	693 990.7	5 901 880.2	693 991.9	5 901 867.1	13.2	
16/03/2021	14:33:38	ST12A	Still	200388_ST12_19	554	13.5	693 990.7	5 901 880.2	693 990.0	5 901 868.8	11.4	
16/03/2021	14:33:41	ST12A	Still	200388_ST12_20	555	13.5	693 990.7	5 901 880.2	693 991.6	5 901 869.1	11.1	
16/03/2021	14:33:44	ST12A	Still	200388_ST12_21	556	13.5	693 990.7	5 901 880.2	693 993.3	5 901 870.0	10.5	
16/03/2021	14:34:17	ST12A	Still	200388_ST12_22	557	13.5	693 990.7	5 901 880.2	693 997.0	5 901 881.9	6.5	
16/03/2021	14:34:19	ST12A	Still	200388_ST12_23	558	13.5	693 990.7	5 901 880.2	693 997.7	5 901 882.1	7.3	
16/03/2021	14:34:20	ST12A	Still	200388_ST12_24	559	13.5	693 990.7	5 901 880.2	693 997.7	5 901 882.2	7.3	
16/03/2021	14:34:20	ST12A	Still	200388_ST12_25	560	13.5	693 990.7	5 901 880.2	693 997.7	5 901 882.4	7.3	
16/03/2021	14:34:56	ST12A	Still	200388_ST12_26	561	13.5	693 990.7	5 901 880.2	694 004.7	5 901 891.0	17.7	
16/03/2021	14:35:07	ST12A	Still	200388_ST12_27	562	13.5	693 990.7	5 901 880.2	694 001.5	5 901 890.7	15.1	
16/03/2021	14:35:35	ST12A	Still	200388_ST12_28	563	13.5	693 990.7	5 901 880.2	693 981.2	5 901 893.6	16.4	
16/03/2021	14:35:57	ST12A	Still	200388_ST12_29	564	13.5	693 990.7	5 901 880.2	693 976.3	5 901 899.2	23.8	
16/03/2021	14:36:02	ST12A	Still	200388_ST12_30	565	13.5	693 990.7	5 901 880.2	693 978.0	5 901 899.4	23.0	
16/03/2021	14:36:05	ST12A	Still	200388_ST12_31	566	13.5	693 990.7	5 901 880.2	693 979.2	5 901 899.2	22.2	
16/03/2021	14:36:07	ST12A	Still	200388_ST12_32	567	13.5	693 990.7	5 901 880.2	693 980.2	5 901 898.6	21.2	
16/03/2021	14:36:42	ST12A	Still	200388_ST12_33	568	13.5	693 990.7	5 901 880.2	693 995.9	5 901 898.7	19.2	
16/03/2021	14:36:43	ST12A	Still	200388_ST12_34	569	13.5	693 990.7	5 901 880.2	693 995.7	5 901 898.9	19.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	14:36:47	ST12A	Still	200388_ST12_35	570	13.5	693 990.7	5 901 880.2	693 995.7	5 901 899.7	20.1	
16/03/2021	14:37:05	ST12A	Still	200388_ST12_36	571	13.5	693 990.7	5 901 880.2	693 991.3	5 901 900.9	20.7	
16/03/2021	14:37:07	ST12A	Still	200388_ST12_37	572	13.5	693 990.7	5 901 880.2	693 990.4	5 901 901.3	21.1	
16/03/2021	14:37:09	ST12A	Still	200388_ST12_38	573	13.5	693 990.7	5 901 880.2	693 989.3	5 901 901.6	21.4	
16/03/2021	14:37:29	ST12A	Video	EOL	574	13.5	693 990.7	5 901 880.2	693 987.5	5 901 906.4	26.4	
16/03/2021	15:32:44	ST10	Video	SOL	575	33.0	698 883.4	5 902 602.4	698 895.4	5 902 557.5	46.5	
16/03/2021	15:33:36	ST10	Still	200388_ST10_01	576	33.0	698 883.4	5 902 602.4	698 890.5	5 902 567.8	35.3	
16/03/2021	15:33:54	ST10	Still	200388_ST10_02	577	33.0	698 883.4	5 902 602.4	698 887.0	5 902 571.4	31.2	
16/03/2021	15:34:20	ST10	Still	200388_ST10_03	578	33.0	698 883.4	5 902 602.4	698 897.6	5 902 580.5	26.1	
16/03/2021	15:34:30	ST10	Still	200388_ST10_04	579	33.0	698 883.4	5 902 602.4	698 898.7	5 902 585.9	22.5	
16/03/2021	15:35:02	ST10	Still	200388_ST10_05	580	33.0	698 883.4	5 902 602.4	698 886.0	5 902 589.1	13.6	
16/03/2021	15:35:20	ST10	Still	200388_ST10_06	581	33.0	698 883.4	5 902 602.4	698 884.2	5 902 593.6	8.8	
16/03/2021	15:35:34	ST10	Still	200388_ST10_07	582	33.0	698 883.4	5 902 602.4	698 883.0	5 902 594.2	8.2	
16/03/2021	15:36:13	ST10	Still	200388_ST10_08	583	33.0	698 883.4	5 902 602.4	698 886.3	5 902 602.1	2.9	
16/03/2021	15:36:25	ST10	Still	200388_ST10_09	584	33.0	698 883.4	5 902 602.4	698 890.8	5 902 605.5	8.0	
16/03/2021	15:37:58	ST10	Still	200388_ST10_10	585	33.0	698 883.4	5 902 602.4	698 900.0	5 902 621.4	25.2	
16/03/2021	15:38:06	ST10	Still	200388_ST10_11	586	33.0	698 883.4	5 902 602.4	698 898.1	5 902 621.9	24.4	
16/03/2021	15:39:25	ST10	Still	200388_ST10_12	587	33.0	698 883.4	5 902 602.4	698 887.8	5 902 620.6	18.7	
16/03/2021	15:39:42	ST10	Video	EOL	588	33.0	698 883.4	5 902 602.4	698 882.6	5 902 628.3	25.9	
16/03/2021	16:20:45	ST13	HG	FA	589	20.0	696 409.4	5 901 881.4	696 407.5	5 901 879.5	2.7	
16/03/2021	16:29:40	ST13	DG	PC	590	20.0	696 409.4	5 901 881.4	696 411.4	5 901 874.9	6.8	
16/03/2021	16:58:03	ST11	HG	FA	591	15.0	695 241.9	5 903 564.7	695 240.7	5 903 562.4	2.6	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
16/03/2021	17:06:45	ST11	DG	PC	592	15.0	695 241.9	5 903 564.7	695 244.2	5 903 563.2	2.7	
16/03/2021	17:43:31	ST10A	Video	SOL	593	33.0	698 883.4	5 902 602.4	698 898.4	5 902 571.2	34.6	
16/03/2021	17:44:22	ST10A	Still	200388_ST10_01	594	33.0	698 883.4	5 902 602.4	698 880.7	5 902 583.5	19.1	
16/03/2021	17:44:38	ST10A	Still	200388_ST10_02	595	33.0	698 883.4	5 902 602.4	698 876.2	5 902 591.3	13.2	
16/03/2021	17:44:44	ST10A	Still	200388_ST10_03	596	33.0	698 883.4	5 902 602.4	698 876.8	5 902 593.1	11.4	
16/03/2021	17:45:30	ST10A	Still	200388_ST10_04	597	33.0	698 883.4	5 902 602.4	698 879.6	5 902 605.9	5.2	
16/03/2021	17:46:06	ST10A	Still	200388_ST10_05	598	33.0	698 883.4	5 902 602.4	698 895.7	5 902 616.3	18.6	
16/03/2021	17:46:33	ST10A	Still	200388_ST10_06	600	33.0	698 883.4	5 902 602.4	698 897.0	5 902 629.8	30.6	
16/03/2021	17:46:47	ST10A	Video	EOL	601	33.0	698 883.4	5 902 602.4	698 899.9	5 902 630.7	32.8	
16/03/2021	18:09:13	ST10	HG	FA	602	33.0	698 883.4	5 902 602.4	698 890.0	5 902 608.7	9.1	
17/03/2021	08:23:44	ST28	Video	SOL	605	34.0	706 918.6	5 907 770.3	706 922.0	5 907 831.3	61.1	
17/03/2021	08:23:58	ST28	Still	200388_ST28_01	606	34.0	706 918.6	5 907 770.3	706 922.5	5 907 824.8	54.6	
17/03/2021	08:24:11	ST28	Still	200388_ST28_02	607	34.0	706 918.6	5 907 770.3	706 925.3	5 907 821.6	51.7	
17/03/2021	08:24:20	ST28	Still	200388_ST28_03	608	34.0	706 918.6	5 907 770.3	706 928.8	5 907 819.6	50.3	
17/03/2021	08:24:29	ST28	Still	200388_ST28_04	609	34.0	706 918.6	5 907 770.3	706 929.0	5 907 816.2	47.1	
17/03/2021	08:24:41	ST28	Still	200388_ST28_05	610	34.0	706 918.6	5 907 770.3	706 929.5	5 907 813.5	44.6	
17/03/2021	08:25:11	ST28	Still	200388_ST28_06	611	34.0	706 918.6	5 907 770.3	706 931.4	5 907 807.1	39.0	
17/03/2021	08:25:29	ST28	Still	200388_ST28_07	612	34.0	706 918.6	5 907 770.3	706 932.5	5 907 804.2	36.6	
17/03/2021	08:26:28	ST28	Still	200388_ST28_08	613	34.0	706 918.6	5 907 770.3	706 926.4	5 907 797.6	28.4	
17/03/2021	08:26:47	ST28	Still	200388_ST28_09	614	34.0	706 918.6	5 907 770.3	706 927.2	5 907 793.8	25.0	
17/03/2021	08:26:56	ST28	Still	200388_ST28_10	615	34.0	706 918.6	5 907 770.3	706 927.1	5 907 792.1	23.4	
17/03/2021	08:27:11	ST28	Still	200388_ST28_11	616	34.0	706 918.6	5 907 770.3	706 928.2	5 907 790.5	22.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	08:27:22	ST28	Still	200388_ST28_12	617	34.0	706 918.6	5 907 770.3	706 928.0	5 907 789.7	21.6	
17/03/2021	08:27:41	ST28	Still	200388_ST28_13	618	34.0	706 918.6	5 907 770.3	706 928.9	5 907 783.4	16.7	
17/03/2021	08:27:46	ST28	Still	200388_ST28_14	619	34.0	706 918.6	5 907 770.3	706 929.2	5 907 782.1	15.9	
17/03/2021	08:28:18	ST28	Still	200388_ST28_15	620	34.0	706 918.6	5 907 770.3	706 927.1	5 907 772.8	8.9	
17/03/2021	08:28:56	ST28	Still	200388_ST28_16	621	34.0	706 918.6	5 907 770.3	706 923.0	5 907 766.2	6.0	
17/03/2021	08:29:06	ST28	Still	200388_ST28_17	622	34.0	706 918.6	5 907 770.3	706 924.3	5 907 764.8	7.9	
17/03/2021	08:29:18	ST28	Still	200388_ST28_18	623	34.0	706 918.6	5 907 770.3	706 924.0	5 907 762.9	9.2	
17/03/2021	08:29:39	ST28	Still	200388_ST28_19	624	34.0	706 918.6	5 907 770.3	706 926.4	5 907 759.1	13.6	
17/03/2021	08:29:46	ST28	Still	200388_ST28_20	625	34.0	706 918.6	5 907 770.3	706 925.5	5 907 757.7	14.4	
17/03/2021	08:29:55	ST28	Still	200388_ST28_21	626	34.0	706 918.6	5 907 770.3	706 927.2	5 907 756.3	16.4	
17/03/2021	08:30:08	ST28	Still	200388_ST28_22	627	34.0	706 918.6	5 907 770.3	706 928.1	5 907 755.1	17.9	
17/03/2021	08:30:19	ST28	Still	200388_ST28_23	628	34.0	706 918.6	5 907 770.3	706 928.8	5 907 754.0	19.2	
17/03/2021	08:30:27	ST28	Still	200388_ST28_24	629	34.0	706 918.6	5 907 770.3	706 928.6	5 907 752.9	20.1	
17/03/2021	08:30:37	ST28	Still	200388_ST28_25	630	34.0	706 918.6	5 907 770.3	706 929.9	5 907 752.2	21.3	
17/03/2021	08:30:50	ST28	Still	200388_ST28_26	631	34.0	706 918.6	5 907 770.3	706 932.0	5 907 751.9	22.8	
17/03/2021	08:31:16	ST28	Still	200388_ST28_27	632	34.0	706 918.6	5 907 770.3	706 932.1	5 907 750.4	24.0	
17/03/2021	08:31:28	ST28	Still	200388_ST28_28	633	34.0	706 918.6	5 907 770.3	706 931.1	5 907 747.6	25.9	
17/03/2021	08:31:59	ST28	Still	200388_ST28_29	634	34.0	706 918.6	5 907 770.3	706 930.7	5 907 738.9	33.7	
17/03/2021	08:32:12	ST28	Still	200388_ST28_30	635	34.0	706 918.6	5 907 770.3	706 932.9	5 907 734.8	38.3	
17/03/2021	08:32:30	ST28	Still	200388_ST28_31	636	34.0	706 918.6	5 907 770.3	706 935.0	5 907 732.0	41.7	
17/03/2021	08:32:56	ST28	Still	200388_ST28_32	637	34.0	706 918.6	5 907 770.3	706 935.9	5 907 729.3	44.5	
17/03/2021	08:33:10	ST28	Still	200388_ST28_33	638	34.0	706 918.6	5 907 770.3	706 936.0	5 907 728.9	44.9	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	08:33:38	ST28	Still	200388_ST28_34	639	34.0	706 918.6	5 907 770.3	706 933.3	5 907 723.2	49.3	
17/03/2021	08:33:48	ST28	Still	200388_ST28_35	640	34.0	706 918.6	5 907 770.3	706 932.6	5 907 720.7	51.5	
17/03/2021	08:34:20	ST28	Still	200388_ST28_36	641	34.0	706 918.6	5 907 770.3	706 932.8	5 907 718.6	53.6	
17/03/2021	08:34:44	ST28	Still	200388_ST28_37	642	34.0	706 918.6	5 907 770.3	706 933.6	5 907 712.9	59.3	
17/03/2021	08:35:11	ST28	Still	200388_ST28_38	643	34.0	706 918.6	5 907 770.3	706 929.4	5 907 706.6	64.6	
17/03/2021	08:35:32	ST28	Still	200388_ST28_39	644	34.0	706 918.6	5 907 770.3	706 931.4	5 907 702.1	69.4	
17/03/2021	08:35:39	ST28	Still	200388_ST28_40	645	34.0	706 918.6	5 907 770.3	706 930.3	5 907 701.3	70.0	
17/03/2021	08:35:47	ST28	Still	200388_ST28_41	646	34.0	706 918.6	5 907 770.3	706 931.6	5 907 701.2	70.3	
17/03/2021	08:36:28	ST28	Video	EOL	647	34.0	706 925.6	5 907 690.6	706 927.9	5 907 693.0	3.3	
17/03/2021	09:16:26	ST28	HG	FA	648	34.0	706 918.6	5 907 770.3	706 925.8	5 907 756.2	15.8	
17/03/2021	09:38:37	ST28	DG	NS	649	34.0	706 918.6	5 907 770.3	706 917.5	5 907 752.6	17.7	
17/03/2021	09:48:35	ST28	DG	NS	650	34.0	706 918.6	5 907 770.3	706 920.5	5 907 772.0	2.5	
17/03/2021	12:02:51	ST04	Video	SOL	648	26.5	697 993.5	5 907 917.5	698 053.0	5 907 931.3	61.1	
17/03/2021	12:03:07	ST04	Still	200388_ST04_01	649	26.5	697 993.5	5 907 917.5	698 045.3	5 907 930.3	53.4	
17/03/2021	12:03:12	ST04	Still	200388_ST04_02	650	26.5	697 993.5	5 907 917.5	698 043.6	5 907 929.9	51.6	
17/03/2021	12:03:19	ST04	Still	200388_ST04_03	651	26.5	697 993.5	5 907 917.5	698 041.1	5 907 928.8	48.9	
17/03/2021	12:03:33	ST04	Still	200388_ST04_04	652	26.5	697 993.5	5 907 917.5	698 037.5	5 907 928.6	45.4	
17/03/2021	12:04:26	ST04	Still	200388_ST04_05	653	26.5	697 993.5	5 907 917.5	698 020.2	5 907 928.9	29.0	
17/03/2021	12:04:28	ST04	Still	200388_ST04_06	654	26.5	697 993.5	5 907 917.5	698 019.6	5 907 928.5	28.3	
17/03/2021	12:04:38	ST04	Still	200388_ST04_07	655	26.5	697 993.5	5 907 917.5	698 016.2	5 907 929.4	25.6	
17/03/2021	12:04:38	ST04	Still	200388_ST04_08	No fix	26.5	697 993.5	5 907 917.5	-	-	-	
17/03/2021	12:05:17	ST04	Still	200388_ST04_09	656	26.5	697 993.5	5 907 917.5	698 006.6	5 907 929.3	17.6	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	12:05:22	ST04	Still	200388_ST04_10	657	26.5	697 993.5	5 907 917.5	698 005.8	5 907 929.6	17.3	
17/03/2021	12:05:24	ST04	Still	200388_ST04_11	658	26.5	697 993.5	5 907 917.5	698 005.9	5 907 929.8	17.5	
17/03/2021	12:05:26	ST04	Still	200388_ST04_12	659	26.5	697 993.5	5 907 917.5	698 005.2	5 907 930.1	17.2	
17/03/2021	12:05:47	ST04	Still	200388_ST04_13	660	26.5	697 993.5	5 907 917.5	698 000.5	5 907 930.7	14.9	
17/03/2021	12:05:57	ST04	Still	200388_ST04_14	661	26.5	697 993.5	5 907 917.5	697 998.4	5 907 931.4	14.7	
17/03/2021	12:06:01	ST04	Still	200388_ST04_15	662	26.5	697 993.5	5 907 917.5	697 997.6	5 907 931.5	14.6	
17/03/2021	12:06:02	ST04	Still	200388_ST04_16	663	26.5	697 993.5	5 907 917.5	697 997.5	5 907 931.5	14.6	
17/03/2021	12:06:03	ST04	Still	200388_ST04_17	664	26.5	697 993.5	5 907 917.5	697 997.4	5 907 931.4	14.4	
17/03/2021	12:06:04	ST04	Still	200388_ST04_18	665	26.5	697 993.5	5 907 917.5	697 997.2	5 907 931.6	14.6	
17/03/2021	12:06:17	ST04	Still	200388_ST04_19	666	26.5	697 993.5	5 907 917.5	697 994.3	5 907 932.8	15.3	
17/03/2021	12:06:32	ST04	Still	200388_ST04_20	667	26.5	697 993.5	5 907 917.5	697 991.3	5 907 934.4	17.0	
17/03/2021	12:06:34	ST04	Still	200388_ST04_21	668	26.5	697 993.5	5 907 917.5	697 991.1	5 907 933.8	16.5	
17/03/2021	12:06:35	ST04	Still	200388_ST04_22	669	26.5	697 993.5	5 907 917.5	697 991.1	5 907 934.1	16.8	
17/03/2021	12:06:36	ST04	Still	200388_ST04_23	670	26.5	697 993.5	5 907 917.5	697 990.9	5 907 934.6	17.3	
17/03/2021	12:07:28	ST04	Still	200388_ST04_24	671	26.5	697 993.5	5 907 917.5	697 976.7	5 907 935.2	24.4	
17/03/2021	12:07:33	ST04	Still	200388_ST04_25	672	26.5	697 993.5	5 907 917.5	697 975.5	5 907 934.9	25.0	
17/03/2021	12:07:37	ST04	Still	200388_ST04_26	673	26.5	697 993.5	5 907 917.5	697 974.6	5 907 934.5	25.4	
17/03/2021	12:08:16	ST04	Video	EOL	674	26.5	697 993.5	5 907 917.5	697 970.1	5 907 937.5	30.8	
17/03/2021	12:50:41	ST03	Video	SOL	675	26.0	694 338.4	5 909 729.5	694 387.2	5 909 673.4	74.4	
17/03/2021	12:51:24	ST03	Still	200388_ST03_01	676	26.0	694 338.4	5 909 729.5	694 355.5	5 909 670.3	61.6	
17/03/2021	12:52:43	ST03	Still	200388_ST03_02	677	26.0	694 338.4	5 909 729.5	694 342.9	5 909 686.0	43.7	
17/03/2021	12:52:49	ST03	Still	200388_ST03_03	678	26.0	694 338.4	5 909 729.5	694 343.1	5 909 688.1	41.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	12:52:51	ST03	Still	200388_ST03_04	679	26.0	694 338.4	5 909 729.5	694 343.8	5 909 688.5	41.4	
17/03/2021	12:52:58	ST03	Still	200388_ST03_05	680	26.0	694 338.4	5 909 729.5	694 344.2	5 909 691.3	38.6	
17/03/2021	12:53:03	ST03	Still	200388_ST03_06	681	26.0	694 338.4	5 909 729.5	694 344.6	5 909 693.3	36.7	
17/03/2021	12:53:12	ST03	Still	200388_ST03_07	682	26.0	694 338.4	5 909 729.5	694 345.4	5 909 698.3	32.0	
17/03/2021	12:53:17	ST03	Still	200388_ST03_08	683	26.0	694 338.4	5 909 729.5	694 344.6	5 909 700.5	29.7	
17/03/2021	12:53:49	ST03	Still	200388_ST03_09	684	26.0	694 338.4	5 909 729.5	694 339.5	5 909 709.2	20.3	
17/03/2021	12:53:53	ST03	Still	200388_ST03_10	685	26.0	694 338.4	5 909 729.5	694 339.1	5 909 710.0	19.5	
17/03/2021	12:54:11	ST03	Still	200388_ST03_11	686	26.0	694 338.4	5 909 729.5	694 337.7	5 909 713.3	16.2	
17/03/2021	12:54:30	ST03	Still	200388_ST03_12	687	26.0	694 338.4	5 909 729.5	694 340.6	5 909 719.5	10.2	
17/03/2021	12:54:45	ST03	Still	200388_ST03_13	688	26.0	694 338.4	5 909 729.5	694 341.0	5 909 724.6	5.5	
17/03/2021	12:55:03	ST03	Still	200388_ST03_14	689	26.0	694 338.4	5 909 729.5	694 343.3	5 909 734.7	7.1	
17/03/2021	12:55:41	ST03	Still	200388_ST03_15	690	26.0	694 338.4	5 909 729.5	694 343.9	5 909 744.7	16.2	
17/03/2021	12:56:06	ST03	Still	200388_ST03_16	691	26.0	694 338.4	5 909 729.5	694 347.3	5 909 752.2	24.4	
17/03/2021	12:56:10	ST03	Still	200388_ST03_17	692	26.0	694 338.4	5 909 729.5	694 347.6	5 909 753.7	25.9	
17/03/2021	12:56:11	ST03	Still	200388_ST03_18	693	26.0	694 338.4	5 909 729.5	694 347.9	5 909 754.0	26.3	
17/03/2021	12:56:16	ST03	Still	200388_ST03_19	694	26.0	694 338.4	5 909 729.5	694 348.4	5 909 755.3	27.7	
17/03/2021	12:56:44	ST03	Still	200388_ST03_20	695	26.0	694 338.4	5 909 729.5	694 350.7	5 909 759.3	32.2	
17/03/2021	12:56:45	ST03	Still	200388_ST03_21	696	26.0	694 338.4	5 909 729.5	694 350.7	5 909 759.4	32.3	
17/03/2021	12:56:53	ST03	Still	200388_ST03_22	697	26.0	694 338.4	5 909 729.5	694 352.3	5 909 760.3	33.8	
17/03/2021	12:57:05	ST03	Video	EOL	698	26.0	694 338.4	5 909 729.5	694 354.7	5 909 760.8	35.3	
17/03/2021	13:52:27	ST02B	Video	SOL	699	12.0	691 702.2	5 911 261.4	691 742.8	5 911 194.8	78.0	
17/03/2021	13:53:53	ST02B	Still	200388_ST02_01	No fix	12.0	691 702.2	5 911 261.4	-	-	-	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	13:54:53	ST02B	Still	200388_ST02_02	700	12.0	691 702.2	5 911 261.4	691 726.9	5 911 217.6	50.3	
17/03/2021	13:55:29	ST02B	Still	200388_ST02_03	701	12.0	691 702.2	5 911 261.4	691 725.3	5 911 219.9	47.5	
17/03/2021	13:55:30	ST02B	Still	200388_ST02_04	702	12.0	691 702.2	5 911 261.4	691 725.5	5 911 220.0	47.5	
17/03/2021	13:55:32	ST02B	Still	200388_ST02_05	703	12.0	691 702.2	5 911 261.4	691 725.2	5 911 219.7	47.6	
17/03/2021	13:55:35	ST02B	Still	200388_ST02_06	704	12.0	691 702.2	5 911 261.4	691 725.1	5 911 219.4	47.8	
17/03/2021	13:55:37	ST02B	Still	200388_ST02_07	705	12.0	691 702.2	5 911 261.4	691 725.8	5 911 219.5	48.1	
17/03/2021	13:55:41	ST02B	Still	200388_ST02_08	706	12.0	691 702.2	5 911 261.4	691 725.3	5 911 219.2	48.1	
17/03/2021	13:56:33	ST02B	Still	200388_ST02_09	707	12.0	691 702.2	5 911 261.4	691 725.7	5 911 226.5	42.1	
17/03/2021	13:57:08	ST02B	Still	200388_ST02_10	708	12.0	691 702.2	5 911 261.4	691 724.4	5 911 233.7	35.5	
17/03/2021	13:57:09	ST02B	Still	200388_ST02_11	709	12.0	691 702.2	5 911 261.4	691 724.2	5 911 233.7	35.4	
17/03/2021	13:57:56	ST02B	Still	200388_ST02_12	710	12.0	691 702.2	5 911 261.4	691 718.2	5 911 239.2	27.4	
17/03/2021	13:58:47	ST02B	Still	200388_ST02_13	711	12.0	691 702.2	5 911 261.4	691 708.3	5 911 242.0	20.3	
17/03/2021	13:59:01	ST02B	Still	200388_ST02_14	712	12.0	691 702.2	5 911 261.4	691 705.7	5 911 243.4	18.3	
17/03/2021	13:59:06	ST02B	Still	200388_ST02_15	713	12.0	691 702.2	5 911 261.4	691 705.5	5 911 244.7	17.0	
17/03/2021	13:59:50	ST02B	Still	200388_ST02_16	714	12.0	691 702.2	5 911 261.4	691 703.0	5 911 252.3	9.1	
17/03/2021	14:00:16	ST02B	Still	200388_ST02_17	715	12.0	691 702.2	5 911 261.4	691 705.9	5 911 253.8	8.5	
17/03/2021	14:00:17	ST02B	Still	200388_ST02_18	716	12.0	691 702.2	5 911 261.4	691 705.9	5 911 253.7	8.5	
17/03/2021	14:00:18	ST02B	Still	200388_ST02_19	717	12.0	691 702.2	5 911 261.4	691 706.0	5 911 253.6	8.7	
17/03/2021	14:00:19	ST02B	Still	200388_ST02_20	718	12.0	691 702.2	5 911 261.4	691 706.3	5 911 253.5	8.9	
17/03/2021	14:00:20	ST02B	Still	200388_ST02_21	719	12.0	691 702.2	5 911 261.4	691 706.3	5 911 253.6	8.8	
17/03/2021	14:01:17	ST02B	Still	200388_ST02_22	720	12.0	691 702.2	5 911 261.4	691 712.3	5 911 266.2	11.2	
17/03/2021	14:01:19	ST02B	Still	200388_ST02_23	721	12.0	691 702.2	5 911 261.4	691 711.5	5 911 266.8	10.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	14:02:13	ST02B	Still	200388_ST02_24	722	12.0	691 702.2	5 911 261.4	691 706.7	5 911 278.1	17.3	
17/03/2021	14:02:15	ST02B	Still	200388_ST02_25	723	12.0	691 702.2	5 911 261.4	691 706.0	5 911 278.3	17.3	
17/03/2021	14:02:46	ST02B	Video	EOL	724	12.0	691 702.2	5 911 261.4	691 714.2	5 911 280.5	22.6	
17/03/2021	14:26:16	ST23B	Video	SOL	725	15.0	693 421.5	5 912 050.3	693 424.7	5 911 991.8	58.6	
17/03/2021	14:26:54	ST23B	Still	200388_ST23_01	726	15.0	693 421.5	5 912 050.3	693 425.2	5 911 998.0	52.4	
17/03/2021	14:26:56	ST23B	Still	200388_ST23_02	727	15.0	693 421.5	5 912 050.3	693 424.8	5 911 998.6	51.8	
17/03/2021	14:27:00	ST23B	Still	200388_ST23_03	728	15.0	693 421.5	5 912 050.3	693 424.5	5 911 999.8	50.6	
17/03/2021	14:27:14	ST23B	Still	200388_ST23_04	729	15.0	693 421.5	5 912 050.3	693 424.7	5 912 003.1	47.3	
17/03/2021	14:27:26	ST23B	Still	200388_ST23_05	730	15.0	693 421.5	5 912 050.3	693 425.6	5 912 005.0	45.5	
17/03/2021	14:27:45	ST23B	Still	200388_ST23_06	731	15.0	693 421.5	5 912 050.3	693 425.1	5 912 010.2	40.3	
17/03/2021	14:27:50	ST23B	Still	200388_ST23_07	732	15.0	693 421.5	5 912 050.3	693 425.2	5 912 011.2	39.3	
17/03/2021	14:28:29	ST23B	Still	200388_ST23_08	733	15.0	693 421.5	5 912 050.3	693 425.8	5 912 017.0	33.6	
17/03/2021	14:28:56	ST23B	Still	200388_ST23_09	734	15.0	693 421.5	5 912 050.3	693 427.4	5 912 023.2	27.7	
17/03/2021	14:29:06	ST23B	Still	200388_ST23_10	735	15.0	693 421.5	5 912 050.3	693 425.8	5 912 025.9	24.8	
17/03/2021	14:29:06	ST23B	Still	200388_ST23_11	736	15.0	693 421.5	5 912 050.3	693 425.8	5 912 025.9	24.8	
17/03/2021	14:29:31	ST23B	Still	200388_ST23_12	737	15.0	693 421.5	5 912 050.3	693 423.5	5 912 030.9	19.5	
17/03/2021	14:30:07	ST23B	Still	200388_ST23_13	738	15.0	693 421.5	5 912 050.3	693 422.1	5 912 042.6	7.7	
17/03/2021	14:30:18	ST23B	Still	200388_ST23_14	739	15.0	693 421.5	5 912 050.3	693 422.6	5 912 044.6	5.8	
17/03/2021	14:30:32	ST23B	Still	200388_ST23_15	740	15.0	693 421.5	5 912 050.3	693 423.1	5 912 046.4	4.2	
17/03/2021	14:30:51	ST23B	Still	200388_ST23_16	741	15.0	693 421.5	5 912 050.3	693 423.7	5 912 048.8	2.7	
17/03/2021	14:31:08	ST23B	Still	200388_ST23_17	742	15.0	693 421.5	5 912 050.3	693 423.6	5 912 051.9	2.6	
17/03/2021	14:31:22	ST23B	Still	200388_ST23_18	743	15.0	693 421.5	5 912 050.3	693 423.9	5 912 055.6	5.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	14:31:45	ST23B	Still	200388_ST23_19	744	15.0	693 421.5	5 912 050.3	693 425.3	5 912 064.2	14.4	
17/03/2021	14:31:45	ST23B	Still	200388_ST23_20	745	15.0	693 421.5	5 912 050.3	693 425.3	5 912 064.2	14.4	
17/03/2021	14:31:46	ST23B	Still	200388_ST23_21	746	15.0	693 421.5	5 912 050.3	693 425.3	5 912 064.5	14.7	
17/03/2021	14:31:49	ST23B	Still	200388_ST23_22	747	15.0	693 421.5	5 912 050.3	693 425.5	5 912 065.3	15.5	
17/03/2021	14:32:28	ST23B	Still	200388_ST23_23	748	15.0	693 421.5	5 912 050.3	693 427.9	5 912 072.7	23.3	
17/03/2021	14:32:29	ST23B	Still	200388_ST23_24	749	15.0	693 421.5	5 912 050.3	693 427.6	5 912 072.8	23.3	
17/03/2021	14:32:34	ST23B	Still	200388_ST23_25	750	15.0	693 421.5	5 912 050.3	693 427.6	5 912 073.9	24.4	
17/03/2021	14:32:36	ST23B	Still	200388_ST23_26	751	15.0	693 421.5	5 912 050.3	693 427.2	5 912 074.6	25.0	
17/03/2021	14:33:00	ST23B	Video	EOL	752	15.0	693 421.5	5 912 050.3	693 427.6	5 912 077.6	28.0	
17/03/2021	14:54:00	ST22A	Video	SOL	753	9.0	691 067.8	5 913 578.9	691 086.1	5 913 547.0	36.8	
17/03/2021	14:54:13	ST22A	Still	200388_ST22_01	754	9.0	691 067.8	5 913 578.9	691 084.1	5 913 549.0	34.1	
17/03/2021	14:55:15	ST22A	Still	200388_ST22_02	755	9.0	691 067.8	5 913 578.9	691 085.7	5 913 560.8	25.5	
17/03/2021	14:55:24	ST22A	Still	200388_ST22_03	756	9.0	691 067.8	5 913 578.9	691 083.8	5 913 563.4	22.3	
17/03/2021	14:55:31	ST22A	Still	200388_ST22_04	757	9.0	691 067.8	5 913 578.9	691 082.5	5 913 565.4	20.0	
17/03/2021	14:55:40	ST22A	Still	200388_ST22_05	758	9.0	691 067.8	5 913 578.9	691 080.3	5 913 566.9	17.3	
17/03/2021	14:55:42	ST22A	Still	200388_ST22_06	759	9.0	691 067.8	5 913 578.9	691 079.8	5 913 567.1	16.8	
17/03/2021	14:56:33	ST22A	Still	200388_ST22_07	760	9.0	691 067.8	5 913 578.9	691 067.1	5 913 572.4	6.5	
17/03/2021	14:56:33	ST22A	Still	200388_ST22_08	761	9.0	691 067.8	5 913 578.9	691 067.1	5 913 572.4	6.5	
17/03/2021	14:56:49	ST22A	Still	200388_ST22_09	762	9.0	691 067.8	5 913 578.9	691 062.0	5 913 576.5	6.3	
17/03/2021	14:56:50	ST22A	Still	200388_ST22_10	763	9.0	691 067.8	5 913 578.9	691 061.4	5 913 576.8	6.7	
17/03/2021	14:56:50	ST22A	Still	200388_ST22_11	764	9.0	691 067.8	5 913 578.9	691 061.4	5 913 576.8	6.7	
17/03/2021	14:57:24	ST22A	Still	200388_ST22_12	765	9.0	691 067.8	5 913 578.9	691 058.1	5 913 587.1	12.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	14:57:24	ST22A	Still	200388_ST22_13	766	9.0	691 067.8	5 913 578.9	691 058.1	5 913 587.1	12.7	
17/03/2021	14:57:25	ST22A	Still	200388_ST22_14	767	9.0	691 067.8	5 913 578.9	691 058.1	5 913 587.4	12.9	
17/03/2021	14:57:50	ST22A	Still	200388_ST22_15	768	9.0	691 067.8	5 913 578.9	691 062.4	5 913 591.2	13.4	
17/03/2021	14:58:27	ST22A	Still	200388_ST22_16	769	9.0	691 067.8	5 913 578.9	691 071.2	5 913 595.3	16.7	
17/03/2021	14:58:28	ST22A	Still	200388_ST22_17	770	9.0	691 067.8	5 913 578.9	691 071.3	5 913 595.3	16.8	
17/03/2021	14:59:10	ST22A	Still	200388_ST22_18	771	9.0	691 067.8	5 913 578.9	691 072.5	5 913 602.5	24.1	
17/03/2021	14:59:10	ST22A	Still	200388_ST22_19	772	9.0	691 067.8	5 913 578.9	691 072.5	5 913 602.8	24.4	
17/03/2021	14:59:25	ST22A	Video	EOL	773	9.0	691 067.8	5 913 578.9	691 071.6	5 913 608.1	29.4	
17/03/2021	15:14:06	ST01A	Video	SOL	774	6.0	689 094.1	5 912 677.4	689 109.9	5 912 643.4	37.5	
17/03/2021	15:14:33	ST01A	Still	200388_ST01_01	775	6.0	689 094.1	5 912 677.4	689 111.4	5 912 653.7	29.3	
17/03/2021	15:14:58	ST01A	Still	200388_ST01_02	776	6.0	689 094.1	5 912 677.4	689 110.4	5 912 662.9	21.8	
17/03/2021	15:15:05	ST01A	Still	200388_ST01_03	777	6.0	689 094.1	5 912 677.4	689 109.6	5 912 665.3	19.7	
17/03/2021	15:15:10	ST01A	Still	200388_ST01_04	778	6.0	689 094.1	5 912 677.4	689 109.1	5 912 666.6	18.5	
17/03/2021	15:15:34	ST01A	Still	200388_ST01_05	779	6.0	689 094.1	5 912 677.4	689 106.1	5 912 672.1	13.1	
17/03/2021	15:15:51	ST01A	Still	200388_ST01_06	780	6.0	689 094.1	5 912 677.4	689 103.4	5 912 676.8	9.3	
17/03/2021	15:16:07	ST01A	Still	200388_ST01_07	781	6.0	689 094.1	5 912 677.4	689 099.5	5 912 680.1	6.0	
17/03/2021	15:16:11	ST01A	Still	200388_ST01_08	782	6.0	689 094.1	5 912 677.4	689 098.9	5 912 680.7	5.8	
17/03/2021	15:16:12	ST01A	Still	200388_ST01_09	783	6.0	689 094.1	5 912 677.4	689 098.7	5 912 680.9	5.8	
17/03/2021	15:16:15	ST01A	Still	200388_ST01_10	784	6.0	689 094.1	5 912 677.4	689 098.3	5 912 681.3	5.7	
17/03/2021	15:16:28	ST01A	Still	200388_ST01_11	785	6.0	689 094.1	5 912 677.4	689 094.9	5 912 683.3	6.0	
17/03/2021	15:16:30	ST01A	Still	200388_ST01_12	786	6.0	689 094.1	5 912 677.4	689 094.6	5 912 683.7	6.3	
17/03/2021	15:16:58	ST01A	Still	200388_ST01_13	787	6.0	689 094.1	5 912 677.4	689 090.9	5 912 687.0	10.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	15:16:59	ST01A	Still	200388_ST01_14	788	6.0	689 094.1	5 912 677.4	689 090.6	5 912 687.1	10.3	
17/03/2021	15:17:03	ST01A	Still	200388_ST01_15	789	6.0	689 094.1	5 912 677.4	689 090.1	5 912 687.5	10.9	
17/03/2021	15:17:26	ST01A	Still	200388_ST01_16	790	6.0	689 094.1	5 912 677.4	689 086.9	5 912 692.4	16.6	
17/03/2021	15:17:27	ST01A	Still	200388_ST01_17	791	6.0	689 094.1	5 912 677.4	689 086.8	5 912 692.6	16.9	
17/03/2021	15:17:30	ST01A	Still	200388_ST01_18	792	6.0	689 094.1	5 912 677.4	689 086.6	5 912 693.3	17.6	
17/03/2021	15:17:47	ST01A	Still	200388_ST01_19	793	6.0	689 094.1	5 912 677.4	689 085.7	5 912 698.5	22.7	
17/03/2021	15:17:47	ST01A	Still	200388_ST01_20	794	6.0	689 094.1	5 912 677.4	689 085.7	5 912 698.5	22.7	
17/03/2021	15:18:16	ST01A	Video	EOL	795	6.0	689 094.1	5 912 677.4	689 086.1	5 912 704.8	28.5	
17/03/2021	15:46:15	ST01	DG	PC	798	6.0	689 094.1	5 912 677.4	689 097.3	5 912 673.9	4.7	
17/03/2021	16:16:34	ST03	DG	PC	799	26.0	694 338.4	5 909 729.5	694 343.3	5 909 723.1	8.1	
17/03/2021	16:28:12	ST03	HG	FA	800	26.0	694 338.4	5 909 729.5	694 326.6	5 909 725.6	12.4	
17/03/2021	17:09:11	ST04	HG	FA	801	26.5	697 993.5	5 907 917.5	697 996.9	5 907 909.1	9.1	
17/03/2021	17:44:59	ST24	Video	SOL	802	28.1	696 153.0	5 910 223.0	696 154.9	5 910 158.8	64.2	
17/03/2021	17:45:05	ST24	Still	200388_ST24_01	803	28.1	696 153.0	5 910 223.0	696 154.9	5 910 159.2	63.8	
17/03/2021	17:45:07	ST24	Still	200388_ST24_02	804	28.1	696 153.0	5 910 223.0	696 154.5	5 910 159.7	63.3	
17/03/2021	17:46:08	ST24	Still	200388_ST24_03	805	28.1	696 153.0	5 910 223.0	696 149.0	5 910 179.7	43.5	
17/03/2021	17:46:16	ST24	Still	200388_ST24_04	806	28.1	696 153.0	5 910 223.0	696 147.6	5 910 181.8	41.6	
17/03/2021	17:46:25	ST24	Still	200388_ST24_05	807	28.1	696 153.0	5 910 223.0	696 146.4	5 910 184.0	39.6	
17/03/2021	17:46:38	ST24	Still	200388_ST24_06	808	28.1	696 153.0	5 910 223.0	696 146.6	5 910 187.2	36.4	
17/03/2021	17:46:56	ST24	Still	200388_ST24_07	809	28.1	696 153.0	5 910 223.0	696 146.1	5 910 191.2	32.5	
17/03/2021	17:47:33	ST24	Still	200388_ST24_08	810	28.1	696 153.0	5 910 223.0	696 149.1	5 910 205.3	18.1	
17/03/2021	17:48:15	ST24	Still	200388_ST24_09	811	28.1	696 153.0	5 910 223.0	696 149.1	5 910 205.3	18.1	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
17/03/2021	17:48:27	ST24	Still	200388_ST24_10	812	28.1	696 153.0	5 910 223.0	696 157.8	5 910 217.7	7.2	
17/03/2021	17:48:33	ST24	Still	200388_ST24_11	813	28.1	696 153.0	5 910 223.0	696 159.4	5 910 218.8	7.7	
17/03/2021	17:48:37	ST24	Still	200388_ST24_12	814	28.1	696 153.0	5 910 223.0	696 160.1	5 910 219.5	7.9	
17/03/2021	17:48:46	ST24	Still	200388_ST24_13	815	28.1	696 153.0	5 910 223.0	696 161.7	5 910 222.2	8.7	
17/03/2021	17:49:06	ST24	Still	200388_ST24_14	816	28.1	696 153.0	5 910 223.0	696 162.9	5 910 230.8	12.6	
17/03/2021	17:49:31	ST24	Still	200388_ST24_15	817	28.1	696 153.0	5 910 223.0	696 161.1	5 910 240.2	19.0	
17/03/2021	17:50:10	ST24	Video	EOL	818	28.1	696 153.0	5 910 223.0	696 155.5	5 910 254.4	31.5	
17/03/2021	18:09:35	ST24	HG	FA	819	28.1	696 153.0	5 910 223.0	696 159.4	5 910 212.4	12.4	
17/03/2021	18:15:48	ST24	DG	PC	820	28.1	696 153.0	5 910 223.0	696 151.8	5 910 215.8	7.3	
18/03/2021	07:16:40	ST16A	Still	SOL	822	5.2	704 212.5	5 909 508.2	704 280.8	5 909 452.9	87.9	
18/03/2021	07:17:38	ST16A	Still	200388_ST16_01	823	5.2	704 212.5	5 909 508.2	704 267.6	5 909 468.8	67.7	
18/03/2021	07:18:03	ST16A	Still	200388_ST16_02	824	5.2	704 212.5	5 909 508.2	704 256.9	5 909 475.5	55.1	
18/03/2021	07:18:13	ST16A	Still	200388_ST16_03	825	5.2	704 212.5	5 909 508.2	704 254.6	5 909 476.8	52.5	
18/03/2021	07:18:18	ST16A	Still	200388_ST16_04	826	5.2	704 212.5	5 909 508.2	704 253.0	5 909 475.8	51.9	
18/03/2021	07:18:36	ST16A	Still	200388_ST16_05	827	5.2	704 212.5	5 909 508.2	704 248.1	5 909 476.6	47.6	
18/03/2021	07:18:47	ST16A	Still	200388_ST16_06	828	5.2	704 212.5	5 909 508.2	704 245.4	5 909 480.2	43.2	
18/03/2021	07:18:55	ST16A	Still	200388_ST16_07	829	5.2	704 212.5	5 909 508.2	704 243.6	5 909 480.6	41.6	
18/03/2021	07:19:15	ST16A	Still	200388_ST16_08	830	5.2	704 212.5	5 909 508.2	704 240.6	5 909 483.2	37.6	
18/03/2021	07:19:21	ST16A	Still	200388_ST16_09	831	5.2	704 212.5	5 909 508.2	704 239.7	5 909 484.4	36.1	
18/03/2021	07:19:26	ST16A	Still	200388_ST16_10	832	5.2	704 212.5	5 909 508.2	704 238.5	5 909 485.0	34.8	
18/03/2021	07:19:33	ST16A	Still	200388_ST16_11	833	5.2	704 212.5	5 909 508.2	704 237.6	5 909 485.8	33.6	
18/03/2021	07:19:39	ST16A	Still	200388_ST16_12	834	5.2	704 212.5	5 909 508.2	704 236.9	5 909 486.4	32.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	07:19:40	ST16A	Still	200388_ST16_13	835	5.2	704 212.5	5 909 508.2	704 237.0	5 909 486.6	32.7	
18/03/2021	07:19:43	ST16A	Still	200388_ST16_14	836	5.2	704 212.5	5 909 508.2	704 236.5	5 909 486.6	32.3	
18/03/2021	07:19:58	ST16A	Still	200388_ST16_15	837	5.2	704 212.5	5 909 508.2	704 234.5	5 909 486.0	31.3	
18/03/2021	07:20:03	ST16A	Still	200388_ST16_16	838	5.2	704 212.5	5 909 508.2	704 234.1	5 909 486.7	30.5	
18/03/2021	07:20:29	ST16A	Still	200388_ST16_17	839	5.2	704 212.5	5 909 508.2	704 227.8	5 909 486.6	26.5	
18/03/2021	07:20:41	ST16A	Still	200388_ST16_18	840	5.2	704 212.5	5 909 508.2	704 228.1	5 909 489.9	24.0	
18/03/2021	07:20:42	ST16A	Still	200388_ST16_19	841	5.2	704 212.5	5 909 508.2	704 227.6	5 909 489.3	24.2	
18/03/2021	07:20:43	ST16A	Still	200388_ST16_20	842	5.2	704 212.5	5 909 508.2	704 227.5	5 909 489.5	24.0	
18/03/2021	07:20:54	ST16A	Still	200388_ST16_21	843	5.2	704 212.5	5 909 508.2	704 228.1	5 909 491.2	23.1	
18/03/2021	07:21:47	ST16A	Still	200388_ST16_22	844	5.2	704 212.5	5 909 508.2	704 217.1	5 909 496.5	12.6	
18/03/2021	07:21:56	ST16A	Still	200388_ST16_23	845	5.2	704 212.5	5 909 508.2	704 214.6	5 909 497.2	11.2	
18/03/2021	07:21:59	ST16A	Still	200388_ST16_24	846	5.2	704 212.5	5 909 508.2	704 215.6	5 909 498.0	10.7	
18/03/2021	07:22:00	ST16A	Still	200388_ST16_25	847	5.2	704 212.5	5 909 508.2	704 214.2	5 909 497.3	11.0	
18/03/2021	07:22:00	ST16A	Still	200388_ST16_26	848	5.2	704 212.5	5 909 508.2	704 214.2	5 909 497.3	11.0	
18/03/2021	07:22:03	ST16A	Still	200388_ST16_27	849	5.2	704 212.5	5 909 508.2	704 215.1	5 909 497.7	10.8	
18/03/2021	07:22:08	ST16A	Still	200388_ST16_28	850	5.2	704 212.5	5 909 508.2	704 217.3	5 909 498.9	10.5	
18/03/2021	07:23:14	ST16A	Still	200388_ST16_29	851	5.2	704 212.5	5 909 508.2	704 218.2	5 909 518.5	11.8	
18/03/2021	07:23:19	ST16A	Still	200388_ST16_30	852	5.2	704 212.5	5 909 508.2	704 216.8	5 909 519.9	12.5	
18/03/2021	07:23:23	ST16A	Still	200388_ST16_31	853	5.2	704 212.5	5 909 508.2	704 215.8	5 909 520.8	13.0	
18/03/2021	07:23:34	ST16A	Still	200388_ST16_32	854	5.2	704 212.5	5 909 508.2	704 210.9	5 909 521.9	13.8	
18/03/2021	07:23:50	ST16A	Still	200388_ST16_33	855	5.2	704 212.5	5 909 508.2	704 205.6	5 909 520.5	14.1	
18/03/2021	07:24:06	ST16A	Still	200388_ST16_34	856	5.2	704 212.5	5 909 508.2	704 201.3	5 909 524.0	19.4	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	07:24:10	ST16A	Still	200388_ST16_35	857	5.2	704 212.5	5 909 508.2	704 200.9	5 909 526.1	21.3	
18/03/2021	07:24:13	ST16A	Still	200388_ST16_36	858	5.2	704 212.5	5 909 508.2	704 200.8	5 909 527.3	22.4	
18/03/2021	07:24:16	ST16A	Still	200388_ST16_37	859	5.2	704 212.5	5 909 508.2	704 201.2	5 909 528.5	23.2	
18/03/2021	07:24:21	ST16A	Still	200388_ST16_38	860	5.2	704 212.5	5 909 508.2	704 202.3	5 909 530.3	24.3	
18/03/2021	07:24:28	ST16A	Video	EOL	861	5.2	704 212.5	5 909 508.2	704 203.5	5 909 534.1	27.4	
18/03/2021	07:36:57	ST17A	Video	SOL	862	6.5	704 861.7	5 907 490.8	704 901.3	5 907 442.1	62.8	
18/03/2021	07:37:10	ST17A	Still	200388_ST17_01	863	6.5	704 861.7	5 907 490.8	704 905.5	5 907 449.5	60.2	
18/03/2021	07:37:35	ST17A	Still	200388_ST17_02	864	6.5	704 861.7	5 907 490.8	704 902.9	5 907 461.1	50.8	
18/03/2021	07:37:49	ST17A	Still	200388_ST17_03	865	6.5	704 861.7	5 907 490.8	704 897.6	5 907 467.5	42.8	
18/03/2021	07:38:16	ST17A	Still	200388_ST17_04	866	6.5	704 861.7	5 907 490.8	704 881.9	5 907 463.5	34.0	
18/03/2021	07:38:23	ST17A	Still	200388_ST17_05	867	6.5	704 861.7	5 907 490.8	704 878.6	5 907 463.0	32.5	
18/03/2021	07:38:24	ST17A	Still	200388_ST17_06	868	6.5	704 861.7	5 907 490.8	704 878.3	5 907 463.4	32.0	
18/03/2021	07:38:45	ST17A	Still	200388_ST17_07	869	6.5	704 861.7	5 907 490.8	704 872.1	5 907 461.3	31.3	
18/03/2021	07:38:50	ST17A	Still	200388_ST17_08	870	6.5	704 861.7	5 907 490.8	704 870.9	5 907 460.4	31.8	
18/03/2021	07:38:55	ST17A	Still	200388_ST17_09	871	6.5	704 861.7	5 907 490.8	704 869.7	5 907 461.1	30.8	
18/03/2021	07:39:08	ST17A	Still	200388_ST17_10	872	6.5	704 861.7	5 907 490.8	704 868.9	5 907 460.6	31.0	
18/03/2021	07:39:16	ST17A	Still	200388_ST17_11	874	6.5	704 861.7	5 907 490.8	704 867.3	5 907 460.6	30.7	
18/03/2021	07:39:27	ST17A	Still	200388_ST17_12	875	6.5	704 861.7	5 907 490.8	704 864.4	5 907 459.8	31.1	
18/03/2021	07:39:34	ST17A	Still	200388_ST17_13	876	6.5	704 861.7	5 907 490.8	704 864.5	5 907 458.3	32.6	
18/03/2021	07:39:39	ST17A	Still	200388_ST17_14	877	6.5	704 861.7	5 907 490.8	704 863.2	5 907 458.6	32.2	
18/03/2021	07:40:05	ST17A	Still	200388_ST17_15	878	6.5	704 861.7	5 907 490.8	704 859.5	5 907 467.8	23.1	
18/03/2021	07:40:19	ST17A	Still	200388_ST17_16	879	6.5	704 861.7	5 907 490.8	704 859.3	5 907 473.3	17.7	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	07:40:30	ST17A	Still	200388_ST17_17	880	6.5	704 861.7	5 907 490.8	704 860.2	5 907 479.0	11.9	
18/03/2021	07:40:33	ST17A	Still	200388_ST17_18	881	6.5	704 861.7	5 907 490.8	704 861.1	5 907 480.8	10.0	
18/03/2021	07:41:14	ST17A	Still	200388_ST17_19	882	6.5	704 861.7	5 907 490.8	704 873.6	5 907 494.3	12.4	
18/03/2021	07:41:22	ST17A	Still	200388_ST17_20	883	6.5	704 861.7	5 907 490.8	704 878.6	5 907 499.7	19.1	
18/03/2021	07:41:43	ST17A	Still	200388_ST17_21	884	6.5	704 861.7	5 907 490.8	704 886.3	5 907 506.9	29.4	
18/03/2021	07:41:44	ST17A	Still	200388_ST17_22	885	6.5	704 861.7	5 907 490.8	704 886.6	5 907 506.8	29.6	
18/03/2021	07:41:47	ST17A	Still	200388_ST17_23	886	6.5	704 861.7	5 907 490.8	704 888.1	5 907 507.6	31.3	
18/03/2021	07:41:56	ST17A	Video	EOL	887	6.5	704 861.7	5 907 490.8	704 891.1	5 907 510.6	35.4	
18/03/2021	07:59:48	ST18A	Video	SOL	888	10.7	705 260.1	5 904 718.1	705 305.6	5 904 673.2	63.9	
18/03/2021	08:00:00	ST18A	Still	200388_ST18_01	889	10.7	705 260.1	5 904 718.1	705 304.0	5 904 673.6	62.5	
18/03/2021	08:00:07	ST18A	Still	200388_ST18_02	890	10.7	705 260.1	5 904 718.1	705 303.4	5 904 674.3	61.6	
18/03/2021	08:00:27	ST18A	Still	200388_ST18_03	891	10.7	705 260.1	5 904 718.1	705 301.4	5 904 677.1	58.2	
18/03/2021	08:00:38	ST18A	Still	200388_ST18_04	892	10.7	705 260.1	5 904 718.1	705 300.0	5 904 677.3	57.1	
18/03/2021	08:00:45	ST18A	Still	200388_ST18_05	893	10.7	705 260.1	5 904 718.1	705 301.3	5 904 678.4	57.2	
18/03/2021	08:00:59	ST18A	Still	200388_ST18_06	894	10.7	705 260.1	5 904 718.1	705 302.0	5 904 679.4	57.0	
18/03/2021	08:01:13	ST18A	Still	200388_ST18_07	895	10.7	705 260.1	5 904 718.1	705 303.6	5 904 680.1	57.8	
18/03/2021	08:01:18	ST18A	Still	200388_ST18_08	896	10.7	705 260.1	5 904 718.1	705 303.6	5 904 681.0	57.2	
18/03/2021	08:02:23	ST18A	Still	200388_ST18_09	897	10.7	705 260.1	5 904 718.1	705 296.7	5 904 691.6	45.2	
18/03/2021	08:02:47	ST18A	Still	200388_ST18_10	898	10.7	705 260.1	5 904 718.1	705 295.8	5 904 696.6	41.7	
18/03/2021	08:02:59	ST18A	Still	200388_ST18_11	899	10.7	705 260.1	5 904 718.1	705 294.6	5 904 697.3	40.3	
18/03/2021	08:03:02	ST18A	Still	200388_ST18_12	900	10.7	705 260.1	5 904 718.1	705 294.4	5 904 697.3	40.1	
18/03/2021	08:03:17	ST18A	Still	200388_ST18_13	901	10.7	705 260.1	5 904 718.1	705 291.7	5 904 698.9	37.0	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	08:03:35	ST18A	Still	200388_ST18_14	902	10.7	705 260.1	5 904 718.1	705 288.7	5 904 699.6	34.1	
18/03/2021	08:04:13	ST18A	Still	200388_ST18_15	903	10.7	705 260.1	5 904 718.1	705 276.4	5 904 706.3	20.1	
18/03/2021	08:04:21	ST18A	Still	200388_ST18_16	904	10.7	705 260.1	5 904 718.1	705 276.3	5 904 709.2	18.5	
18/03/2021	08:04:35	ST18A	Still	200388_ST18_17	905	10.7	705 260.1	5 904 718.1	705 274.6	5 904 714.9	14.8	
18/03/2021	08:04:43	ST18A	Still	200388_ST18_18	906	10.7	705 260.1	5 904 718.1	705 271.6	5 904 717.0	11.6	
18/03/2021	08:04:46	ST18A	Still	200388_ST18_19	907	10.7	705 260.1	5 904 718.1	705 271.0	5 904 717.8	10.9	
18/03/2021	08:04:56	ST18A	Still	200388_ST18_20	908	10.7	705 260.1	5 904 718.1	705 268.8	5 904 721.1	9.2	
18/03/2021	08:05:02	ST18A	Still	200388_ST18_21	909	10.7	705 260.1	5 904 718.1	705 268.2	5 904 725.7	11.1	
18/03/2021	08:05:24	ST18A	Still	200388_ST18_22	910	10.7	705 260.1	5 904 718.1	705 261.2	5 904 731.6	13.5	
18/03/2021	08:05:35	ST18A	Still	200388_ST18_23	911	10.7	705 260.1	5 904 718.1	705 254.0	5 904 728.9	12.4	
18/03/2021	08:05:40	ST18A	Still	200388_ST18_24	912	10.7	705 260.1	5 904 718.1	705 254.3	5 904 727.1	10.7	
18/03/2021	08:05:44	ST18A	Still	200388_ST18_25	913	10.7	705 260.1	5 904 718.1	705 255.0	5 904 727.4	10.6	
18/03/2021	08:05:44	ST18A	Still	200388_ST18_26	914	10.7	705 260.1	5 904 718.1	705 255.0	5 904 727.4	10.6	
18/03/2021	08:05:47	ST18A	Still	200388_ST18_27	915	10.7	705 260.1	5 904 718.1	705 255.9	5 904 727.3	10.1	
18/03/2021	08:05:58	ST18A	Still	200388_ST18_28	916	10.7	705 260.1	5 904 718.1	705 260.1	5 904 727.7	9.6	
18/03/2021	08:06:01	ST18A	Still	200388_ST18_29	917	10.7	705 260.1	5 904 718.1	705 261.4	5 904 728.0	10.0	
18/03/2021	08:06:10	ST18A	Still	200388_ST18_30	-	10.7	705 260.1	5 904 718.1	-	-		Navigation cut out
18/03/2021	08:06:18	ST18A	Still	200388_ST18_31	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:06:40	ST18A	Still	200388_ST18_32	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:06:42	ST18A	Still	200388_ST18_33	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:06:45	ST18A	Still	200388_ST18_34	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:06:48	ST18A	Still	200388_ST18_35	-	10.7	705 260.1	5 904 718.1	-	-		

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	08:06:50	ST18A	Still	200388_ST18_36	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:06:58	ST18A	Still	200388_ST18_37	-	10.7	705 260.1	5 904 718.1	-	-		
18/03/2021	08:07:35	ST18A	Video	EOL	918	10.7	705 260.1	5 904 718.1	705 259.8	5 904 742.8	24.7	
18/03/2021	08:45:52	ST29	HG	FA	919	40.0	708 844.1	5 903 199.4	708 849.7	5 903 204.3	7.4	
18/03/2021	10:02:13	ST15	HG	FA	920	27.0	702 295.0	5 899 381.6	702 295.0	5 899 386.1	4.5	
18/03/2021	10:14:43	ST15	DG	PC	921	27.0	702 295.0	5 899 381.6	702 290.7	5 899 383.4	4.7	
18/03/2021	11:06:34	ST07	Video	SOL	922	27.5	702 258.2	5 904 349.2	702 236.6	5 904 403.8	58.7	
18/03/2021	11:06:52	ST07	Still	200388_ST07_01	923	27.5	702 258.2	5 904 349.2	702 239.2	5 904 398.9	53.2	
18/03/2021	11:06:52	ST07	Still	200388_ST07_02	924	27.5	702 258.2	5 904 349.2	702 239.2	5 904 398.9	53.2	
18/03/2021	11:07:13	ST07	Still	200388_ST07_03	925	27.5	702 258.2	5 904 349.2	702 247.1	5 904 395.9	48.0	
18/03/2021	11:07:16	ST07	Still	200388_ST07_04	926	27.5	702 258.2	5 904 349.2	702 248.3	5 904 395.4	47.2	
18/03/2021	11:07:25	ST07	Still	200388_ST07_05	927	27.5	702 258.2	5 904 349.2	702 250.7	5 904 394.5	45.9	
18/03/2021	11:07:40	ST07	Still	200388_ST07_06	928	27.5	702 258.2	5 904 349.2	702 255.5	5 904 393.0	43.9	
18/03/2021	11:07:54	ST07	Still	200388_ST07_07	929	27.5	702 258.2	5 904 349.2	702 257.5	5 904 390.2	41.0	
18/03/2021	11:08:02	ST07	Still	200388_ST07_08	930	27.5	702 258.2	5 904 349.2	702 258.8	5 904 389.4	40.2	
18/03/2021	11:08:04	ST07	Still	200388_ST07_09	931	27.5	702 258.2	5 904 349.2	702 258.8	5 904 389.2	40.0	
18/03/2021	11:08:08	ST07	Still	200388_ST07_10	932	27.5	702 258.2	5 904 349.2	702 259.5	5 904 389.2	40.0	
18/03/2021	11:08:17	ST07	Still	200388_ST07_11	933	27.5	702 258.2	5 904 349.2	702 259.6	5 904 387.5	38.3	
18/03/2021	11:08:29	ST07	Still	200388_ST07_12	934	27.5	702 258.2	5 904 349.2	702 260.3	5 904 384.2	35.1	
18/03/2021	11:08:47	ST07	Still	200388_ST07_13	935	27.5	702 258.2	5 904 349.2	702 259.9	5 904 382.0	32.8	
18/03/2021	11:08:52	ST07	Still	200388_ST07_14	936	27.5	702 258.2	5 904 349.2	702 258.7	5 904 381.5	32.3	
18/03/2021	11:09:11	ST07	Still	200388_ST07_15	937	27.5	702 258.2	5 904 349.2	702 256.7	5 904 377.8	28.6	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	11:09:15	ST07	Still	200388_ST07_16	938	27.5	702 258.2	5 904 349.2	702 256.8	5 904 377.8	28.6	
18/03/2021	11:09:25	ST07	Still	200388_ST07_17	939	27.5	702 258.2	5 904 349.2	702 256.4	5 904 376.0	26.9	
18/03/2021	11:09:55	ST07	Still	200388_ST07_18	940	27.5	702 258.2	5 904 349.2	702 256.6	5 904 367.6	18.5	
18/03/2021	11:10:04	ST07	Still	200388_ST07_19	941	27.5	702 258.2	5 904 349.2	702 255.8	5 904 364.8	15.8	
18/03/2021	11:10:24	ST07	Still	200388_ST07_20	942	27.5	702 258.2	5 904 349.2	702 256.1	5 904 362.2	13.2	
18/03/2021	11:10:25	ST07	Still	200388_ST07_21	943	27.5	702 258.2	5 904 349.2	702 256.6	5 904 362.4	13.3	
18/03/2021	11:10:26	ST07	Still	200388_ST07_22	944	27.5	702 258.2	5 904 349.2	702 255.8	5 904 363.1	14.1	
18/03/2021	11:10:28	ST07	Still	200388_ST07_23	945	27.5	702 258.2	5 904 349.2	702 256.9	5 904 363.7	14.6	
18/03/2021	11:10:29	ST07	Still	200388_ST07_24	946	27.5	702 258.2	5 904 349.2	702 256.2	5 904 363.8	14.7	
18/03/2021	11:10:53	ST07	Still	200388_ST07_25	947	27.5	702 258.2	5 904 349.2	702 258.0	5 904 359.4	10.2	
18/03/2021	11:11:00	ST07	Still	200388_ST07_26	948	27.5	702 258.2	5 904 349.2	702 259.7	5 904 358.5	9.4	
18/03/2021	11:11:14	ST07	Still	200388_ST07_27	949	27.5	702 258.2	5 904 349.2	702 262.0	5 904 354.8	6.8	
18/03/2021	11:11:23	ST07	Still	200388_ST07_28	950	27.5	702 258.2	5 904 349.2	702 262.4	5 904 354.1	6.5	
18/03/2021	11:11:38	ST07	Still	200388_ST07_29	951	27.5	702 258.2	5 904 349.2	702 261.7	5 904 351.7	4.3	
18/03/2021	11:11:39	ST07	Still	200388_ST07_30	952	27.5	702 258.2	5 904 349.2	702 261.4	5 904 351.9	4.2	
18/03/2021	11:11:51	ST07	Still	200388_ST07_31	953	27.5	702 258.2	5 904 349.2	702 260.8	5 904 351.9	3.7	
18/03/2021	11:11:52	ST07	Still	200388_ST07_32	954	27.5	702 258.2	5 904 349.2	702 261.0	5 904 351.5	3.6	
18/03/2021	11:12:06	ST07	Still	200388_ST07_33	955	27.5	702 258.2	5 904 349.2	702 258.1	5 904 349.9	0.7	
18/03/2021	11:12:08	ST07	Still	200388_ST07_34	956	27.5	702 258.2	5 904 349.2	702 257.5	5 904 350.3	1.3	
18/03/2021	11:12:10	ST07	Still	200388_ST07_35	957	27.5	702 258.2	5 904 349.2	702 257.1	5 904 351.6	2.6	
18/03/2021	11:12:11	ST07	Still	200388_ST07_36	958	27.5	702 258.2	5 904 349.2	702 257.1	5 904 351.6	2.6	
18/03/2021	11:12:13	ST07	Still	200388_ST07_37	959	27.5	702 258.2	5 904 349.2	702 257.3	5 904 352.1	3.0	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	11:12:41	ST07	Still	200388_ST07_38	960	27.5	702 258.2	5 904 349.2	702 254.7	5 904 350.6	3.8	
18/03/2021	11:13:04	ST07	Still	200388_ST07_39	961	27.5	702 258.2	5 904 349.2	702 251.4	5 904 344.6	8.2	
18/03/2021	11:13:09	ST07	Still	200388_ST07_40	962	27.5	702 258.2	5 904 349.2	702 252.0	5 904 344.5	7.8	
18/03/2021	11:13:31	ST07	Still	200388_ST07_41	963	27.5	702 258.2	5 904 349.2	702 256.1	5 904 337.6	11.8	
18/03/2021	11:13:34	ST07	Still	200388_ST07_42	964	27.5	702 258.2	5 904 349.2	702 257.4	5 904 337.0	12.2	
18/03/2021	11:14:10	ST07	Still	200388_ST07_43	965	27.5	702 258.2	5 904 349.2	702 266.9	5 904 328.7	22.3	
18/03/2021	11:14:14	ST07	Still	200388_ST07_44	966	27.5	702 258.2	5 904 349.2	702 267.7	5 904 331.0	20.5	
18/03/2021	11:14:17	ST07	Still	200388_ST07_45	967	27.5	702 258.2	5 904 349.2	702 267.8	5 904 331.7	20.0	
18/03/2021	11:14:35	ST07	Still	200388_ST07_46	968	27.5	702 258.2	5 904 349.2	702 269.1	5 904 330.1	22.0	
18/03/2021	11:14:40	ST07	Still	200388_ST07_47	969	27.5	702 258.2	5 904 349.2	702 270.1	5 904 329.6	22.9	
18/03/2021	11:14:52	ST07	Still	200388_ST07_48	970	27.5	702 258.2	5 904 349.2	702 270.8	5 904 326.7	25.8	
18/03/2021	11:14:56	ST07	Still	200388_ST07_49	971	27.5	702 258.2	5 904 349.2	702 270.9	5 904 325.8	26.6	
18/03/2021	11:15:05	ST07	Still	200388_ST07_50	972	27.5	702 258.2	5 904 349.2	702 271.9	5 904 324.6	28.2	
18/03/2021	11:15:06	ST07	Still	200388_ST07_51	973	27.5	702 258.2	5 904 349.2	702 271.5	5 904 324.7	27.9	
18/03/2021	11:15:13	ST07	Video	EOL	974	27.5	702 258.2	5 904 349.2	702 272.1	5 904 325.5	27.5	
18/03/2021	12:38:41	ST14	Still	SOL	977	32.0	699 505.9	5 900 159.7	699 479.6	5 900 139.4	33.2	
18/03/2021	12:40:40	ST14	Still	200388_ST14_01	982	32.0	699 505.9	5 900 159.7	699 505.0	5 900 163.0	3.4	
18/03/2021	12:40:56	ST14	Still	200388_ST14_02	983	32.0	699 505.9	5 900 159.7	699 507.2	5 900 165.4	5.8	
18/03/2021	12:41:05	ST14	Still	200388_ST14_03	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	12:41:29	ST14	Still	200388_ST14_04	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	12:42:38	ST14	Still	200388_ST14_05	987	32.0	699 505.9	5 900 159.7	699 511.1	5 900 184.6	25.4	
18/03/2021	12:42:53	ST14	Still	200388_ST14_06	988	32.0	699 505.9	5 900 159.7	699 512.8	5 900 189.4	30.5	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	12:43:06	ST14	Still	200388_ST14_07	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	12:43:20	ST14	Still	200388_ST14_08	989	32.0	699 505.9	5 900 159.7	699 513.5	5 900 192.4	33.6	
18/03/2021	12:43:33	ST14	Still	200388_ST14_09	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	12:44:04	ST14	Still	200388_ST14_10	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	12:44:35	ST14	Video	EOL	NF	32.0	699 505.9	5 900 159.7	-	-	-	
18/03/2021	13:46:55	ST30	Video	SOL	1011	34.5	709 166.3	5 897 688.7	709 174.3	5 897 637.5	51.8	
18/03/2021	13:47:43	ST30	Still	200388_ST30_01	1012	34.5	709 166.3	5 897 688.7	709 170.8	5 897 646.3	42.6	
18/03/2021	13:48:10	ST30	Still	200388_ST30_02	1013	34.5	709 166.3	5 897 688.7	709 170.0	5 897 652.9	35.9	
18/03/2021	13:48:22	ST30	Still	200388_ST30_03	1014	34.5	709 166.3	5 897 688.7	709 170.0	5 897 652.5	36.3	
18/03/2021	13:48:32	ST30	Still	200388_ST30_04	1015	34.5	709 166.3	5 897 688.7	709 168.6	5 897 652.8	35.9	
18/03/2021	13:48:44	ST30	Still	200388_ST30_05	1016	34.5	709 166.3	5 897 688.7	709 169.1	5 897 652.7	36.1	
18/03/2021	13:49:03	ST30	Still	200388_ST30_06	1017	34.5	709 166.3	5 897 688.7	709 168.5	5 897 658.0	30.7	
18/03/2021	13:49:19	ST30	Still	200388_ST30_07	1018	34.5	709 166.3	5 897 688.7	709 169.2	5 897 664.0	24.8	
18/03/2021	13:49:28	ST30	Still	200388_ST30_08	1019	34.5	709 166.3	5 897 688.7	709 169.0	5 897 665.2	23.6	
18/03/2021	13:49:41	ST30	Still	200388_ST30_09	1020	34.5	709 166.3	5 897 688.7	709 170.2	5 897 665.8	23.2	
18/03/2021	13:49:49	ST30	Still	200388_ST30_10	1021	34.5	709 166.3	5 897 688.7	709 172.5	5 897 666.8	22.7	
18/03/2021	13:50:03	ST30	Still	200388_ST30_11	1022	34.5	709 166.3	5 897 688.7	709 174.2	5 897 666.8	23.2	
18/03/2021	13:50:38	ST30	Still	200388_ST30_12	1023	34.5	709 166.3	5 897 688.7	709 174.0	5 897 669.8	20.4	
18/03/2021	13:51:19	ST30	Still	200388_ST30_13	1024	34.5	709 166.3	5 897 688.7	709 176.1	5 897 683.2	11.2	
18/03/2021	13:51:42	ST30	Still	200388_ST30_14	1025	34.5	709 166.3	5 897 688.7	709 180.1	5 897 688.5	13.8	
18/03/2021	13:51:52	ST30	Still	200388_ST30_15	1026	34.5	709 166.3	5 897 688.7	709 177.0	5 897 689.9	10.8	
18/03/2021	13:52:05	ST30	Still	200388_ST30_16	1027	34.5	709 166.3	5 897 688.7	709 174.0	5 897 690.1	7.8	

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]												
Date	Time [UTC]	Station	Type	Sample Rep / Still No.	Fix No.	Water Depth [m BSL]	Proposed Location		Actual Location		Offset [m]	Notes
							Easting	Northing	Easting	Northing		
18/03/2021	13:52:31	ST30	Still	200388_ST30_17	1028	34.5	709 166.3	5 897 688.7	709 170.7	5 897 697.0	9.4	
18/03/2021	13:52:39	ST30	Still	200388_ST30_18	1029	34.5	709 166.3	5 897 688.7	709 172.0	5 897 698.6	11.5	
18/03/2021	13:52:48	ST30	Still	200388_ST30_19	1030	34.5	709 166.3	5 897 688.7	709 172.7	5 897 698.4	11.6	
18/03/2021	13:53:13	ST30	Still	200388_ST30_20	1031	34.5	709 166.3	5 897 688.7	709 180.2	5 897 700.9	18.5	
18/03/2021	13:53:30	ST30	Still	200388_ST30_21	1032	34.5	709 166.3	5 897 688.7	709 178.9	5 897 704.2	20.0	
18/03/2021	13:53:58	ST30	Video	EOL	1033	34.5	709 166.3	5 897 688.7	709 182.8	5 897 713.3	29.6	
18/03/2021	14:31:06	ST30	HG	FA	1034	34.5	709 166.3	5 897 688.7	709 165.4	5 897 684.7	4.1	
18/03/2021	15:05:21	ST21	DG	PC	1036	7.0	706 424.2	5 896 268.8	706 413.3	5 896 263.4	12.2	
18/03/2021	15:45:22	ST14	DG	PC	1037	32.0	699 505.9	5 900 159.7	699 514.1	5 900 150.9	12.0	
18/03/2021	15:56:37	ST14	HG	FA	1038	32.0	699 505.9	5 900 159.7	699 490.7	5 900 145.7	20.7	
18/03/2021	16:48:13	ST07	HG	FA	1039	27.5	702 258.2	5 904 349.2	702 268.0	5 904 344.6	10.8	
18/03/2021	16:57:45	ST07	DG	PC	1040	27.5	702 258.2	5 904 349.2	702 259.6	5 904 345.8	3.7	
Notes UTC = Coordinated Universal Time EOL = End of line FA = Fauna sample A NF = No fix BSL = Below sea level HG = Hamon grab DG = Day grab SOL = Start of line NS = No sample PC = Physico-chemical sample												

B.2 Grab Log

Date	Time [UTC]	Station	Sample Rep	Fix No.	Sample Depth/ Volume	Sediment Description (including stratigraphy)			Comments (fauna, smell, bioturbation, debris)
						Sediment Type	Sediment Description	Munsell Colour	
21/02/2021	15:07:36	ST22	NS	33	< 2 L	S	Slightly muddy sand		Insufficient sample
21/02/2021	15:30:51	ST22	FA	34	5 L	S	Slightly muddy sand	3/1 10YR	
21/02/2021	16:24:29	ST02	FA	36	5 L	S	Slightly muddy sand	3/1 10YR	
21/02/2021	16:56:15	ST01	FA	37	5 L	S	Slightly muddy sand	3/1 10YR	
21/02/2021	17:07:22	ST01	NS	38	< 1 cm	S	Slightly muddy sand		Insufficient sample and sediment washout
21/02/2021	17:15:01	ST01	NS	39	< 1 cm	S	Slightly muddy sand		Insufficient sample and sediment washout
25/02/2021	11:45:06	ST23	FA	159	5 L	S	Top 1 cm slightly muddy sand, > 1 cm sandy mud	Top 1 cm 5Y 4/2, > 1 cm 5Y 3/1	
25/02/2021	11:58:06	ST23	PC	160	9 cm	S	Slightly muddy sand	5Y 3/1	
26/02/2021	09:42:16	ST16	NS	187	0				Triggered in water column
26/02/2021	09:54:21	ST16	FA	188	5 L	S	Sand	2.5Y 5/4	
26/02/2021	10:04:38	ST16	PC	189	8 cm	S	Sand	2.5Y 5/4	
26/02/2021	10:39:45	ST17	FA	191	5 L	S	Sand	2.5Y 5/4	
26/02/2021	11:25:31	ST18	FA	192	5 L	S	Sand	2.5Y 4/2	
26/02/2021	12:41:00	ST27	FA	193	5 L	mS	Muddy sand and gravel	2.5Y 5/2	
26/02/2021	13:47:31	ST26	FA	194	5 L	S	Sand	2.5Y 4/2	
26/02/2021	14:06:01	ST26	NS	195	< 1 cm	S	Sand		
26/02/2021	14:19:37	ST26	PC	196	6 cm	S	Top 1 cm sand > 1 cm muddy sand	Top 1 cm 5Y 4/2, > 1 cm 5YR 3/1	
27/02/2021	14:04:37	ST21	FA	198	5 L	S	Sand	2.5Y 5/4	

Date	Time [UTC]	Station	Sample Rep	Fix No.	Sample Depth/ Volume	Sediment Description (including stratigraphy)			Comments (fauna, smell, bioturbation, debris)
						Sediment Type	Sediment Description	Munsell Colour	
27/02/2021	14:51:04	ST20	FA	199	5 L	S	Sand	2.5Y 5/3	Sand eels x3 (photos taken and released)
27/02/2021	15:21:30	ST19	FA	200	5 L	S	Sand	2.5Y 4/3	Sand eel x1 (photos taken and released)
27/02/2021	15:34:11	ST19	PC	201	9 cm	S	Sand	2.5Y 4/3	Sand eels x2 (photos taken and released)
16/03/2021	08:10:54	ST05	FA	481	5 L	gS	Gravelly sand	2.5Y 3/3	
16/03/2021	08:31:06	ST05	NS	482					Sample out of tolerance circle
16/03/2021	09:03:57	ST05	PC	483	10 cm	gS	Gravelly sand and shell	2.5Y 3/3	Sand eel x1 (photos taken and released)
16/03/2021	10:01:59	ST06	FA	484	5 L	gS	Gravelly sand and shell	2.5Y 3/3	
16/03/2021	10:39:10	ST08	FA	485	5 L	S	Sand and shell	2.5Y 3/3	
16/03/2021	10:53:14	ST08	PC	486	7 cm	S	Sand and shell	2.5Y 3/3	
16/03/2021	11:39:28	ST09	FA	487	5 L	S	Sand and shell	2.5Y 4/3	
16/03/2021	16:20:45	ST13	FA	589	5 L	S	Sand	2.5Y 4/2	
16/03/2021	16:29:40	ST13	PC	590	7 cm	S	Sand	2.5Y 4/2	
16/03/2021	16:58:03	ST11	FA	591	5 L	S	Sand and shell	2.5Y 4/2	
16/03/2021	17:06:45	ST11	PC	592	9 cm	S	Sand and shell	2.5Y 4/2	
16/03/2021	18:09:13	ST10	FA	602	5 L	(g)mS	Gravelly, muddy sand and shell	5Y 4/2	
17/03/2021	09:16:26	ST28	FA	648	7 cm	S	Sand and shell	2.5Y 4/2	
17/03/2021	09:38:37	ST28	NS	649					Grab triggered in water column
17/03/2021	09:48:35	ST28	NS	650					Grab triggered in water column
17/03/2021	15:46:15	ST01	PC	798	4.5 cm	S	Sand	2.5Y 4/2	

Date	Time [UTC]	Station	Sample Rep	Fix No.	Sample Depth/ Volume	Sediment Description (including stratigraphy)			Comments (fauna, smell, bioturbation, debris)
						Sediment Type	Sediment Description	Munsell Colour	
17/03/2021	16:16:34	ST03	PC	799	10 cm	sM	Sandy mud	2.5Y 3/2	
17/03/2021	16:28:12	ST03	FA	800	5 L	mS	Top 0.5 cm muddy sand > 0.5 cm sandy mud	2.5Y 4/2 and 2.5Y 3/2	
17/03/2021	17:09:11	ST04	FA	801	5 L	mS	Top 0.5 cm muddy sand > 0.5 cm sandy mud	2.5Y 4/2 and 2.5Y 3/2	
17/03/2021	18:09:35	ST24	FA	819	5 L	mS	Top 0.5 cm muddy sand > 0.5 cm sandy mud	2.5Y 4/2 and 2.5Y 3/2	
17/03/2021	18:15:48	ST24	PC	820	11 cm	mS	Top 0.5 cm muddy sand > 0.5 cm sandy mud	2.5Y 4/2 and 2.5Y 3/2	
18/03/2021	08:45:52	ST29	FA	919	5 L	mS	Muddy sand and shell	2.5Y 4/2	
18/03/2021	10:02:13	ST15	FA	920	5 L	(g)mS	Muddy sand and gravel	2.5Y 4/2	
18/03/2021	10:14:43	ST15	PC	921	7 cm	(g)mS	Muddy sand and gravel	2.5Y 4/2	
18/03/2021	14:31:06	ST30	FA	1034	5 L	mS	Muddy sand and shell	2.5Y 4/2	
18/03/2021	15:05:21	ST21	PC	1036	10 cm	S	Sand	10YR 4/4	
18/03/2021	15:45:22	ST14	PC	1037	4.5 cm	mS	Muddy sand	2.5Y 4/2	
18/03/2021	15:56:37	ST14	FA	1038	5 L	mS	Muddy sand	2.5Y 4/2	
18/03/2021	16:48:13	ST07	FA	1039	5 L	S	Sand	10YR 3/2	Sand eel x5 (photos taken and released)
18/03/2021	16:57:45	ST07	PC	1040	10 cm	S	Sand	10YR 3/2	
Notes UTC = Coordinated Universal Time NS = No sample FA = Fauna sample A PC = Physico-chemical sample									

B.3 Video and Photographic Log

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]								
Date	Station	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna / Bioturbation / Debris
			Easting	Northing				
17/03/2021	ST01A	15:14:05	689 109.9	5 912 643.4	66	1 to 20	Sand with shell fragments	Sand mason worm (<i>Lanice conchilega</i>)
		15:18:15	689 086.1	5 912 704.8				
17/03/2021	ST02B	13:52:27	691 742.8	5 911 194.8	90	1 to 25	Sand with occasional shell fragments	No fauna observed
		14:02:43	691 714.2	5 911 280.5				
17/03/2021	ST03	12:50:39	694 387.2	5 909 673.4	93	1 to 22	Sand with shell fragments and sparse gravel	Brittlestars (incl. <i>Ophiothrix fragilis</i> and <i>Ophiura albida</i>), anemone (Actiniaria), worm tube (?Chaetopteridae)
		12:57:04	694 354.7	5 909 760.8				
17/03/2021	ST04	12:02:51	698 053.0	5 907 931.3	83	1 to 26	Slightly muddy, slightly gravelly sand with shell fragments. Patches of clay	Anemone (<i>Urticina</i> sp.), brittlestars (including <i>Ophiothrix fragilis</i> , <i>Ophiura ophiura</i> and <i>Ophiura albida</i>)
		12:08:14	697 970.1	5 907 937.5				
15/03/2021	ST05	09:15:33	700 945.7	5 907 996.7	92	1 to 31	Slightly gravelly sand (rippled) with shell fragments	Soft coral (<i>Alcyonium digitatum</i>), hermit crab (Paguridae), brittlestars (including <i>Ophiura albida</i>), sand mason worm (<i>Lanice conchilega</i>)
		09:27:17	700 923.0	5 907 907.2				
15/03/2021	ST06	09:56:39	701 256.2	5 906 553.3	90	1 to 24	Slightly gravelly sand (rippled) with shell fragments	Sparse faunal turf (Hydrozoa/Bryozoa), brittlestars (including <i>Ophiura albida</i>), soft coral (<i>Alcyonium digitatum</i>), sandeel (Ammodytidae), hermit crabs (Paguridae), possible anemone (Anthozoa)
		10:04:55	701 287.9	5 906 468.7				
18/03/2021	ST07	11:06:35	702 236.6	5 904 403.8	86	1 to 51	Slightly gravelly sand (rippled) with shell fragments	Sand mason worm (<i>Lanice conchilega</i>), hermit crabs (Paguridae), starfish (<i>Asterias rubens</i>), anemone (Anthozoa)
		11:15:13	702 272.1	5 904 325.5				
15/03/2021	ST08A	11:23:39	699 814.1	5 904 368.7	96	1 to 32	Slightly gravelly sand (rippled) with shell fragments	Brittlestars (including <i>Ophiura albida</i>), sparse faunal turf (Hydrozoa/Bryozoa), hermit crabs (Paguridae), soft coral (<i>Alcyonium digitatum</i>), anemone (Anthozoa), crab (<i>Liocarcinus</i> sp.), sandeel (Ammodytidae)
		11:29:28	699 766.9	5 904 285.2				
15/03/2021	ST09	12:21:20	701 839.3	5 902 247.1	84	1 to 27	Gravelly sand with shell fragments. Occasional pebbles	Hermit crabs (Paguridae), sandeel (Ammodytidae)
		12:31:01	701 762.2	5 902 279.3				

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]								
Date	Station	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna / Bioturbation / Debris
			Easting	Northing				
16/03/2021	ST10A	17:43:29	698 898.4	5 902 571.2	60	1 to 13	Gravelly sand with shell fragments	No fauna observed
		17:46:43	698 899.9	5 902 630.7				
16/03/2021	ST11	13:58:23	695 242.8	5 903 509.4	82	1 to 17	Sand (rippled) with shell fragments	Brittlestar (Ophiuroidea), hermit crab (Paguridae)
		14:06:02	695 225.6	5 903 589.2				
16/03/2021	ST12A	14:27:21	694 010.8	5 901 825.6	84	1 to 38	Mixed sediment comprising pebbles, cobbles and boulders with small patches of gravelly sand with shell fragments. Mud deposition on mixed sediment evident	Crab (Decapoda), faunal turf (Hydrozoa/Bryozoa including <i>Nemertesia antennina</i> and Haleciidae), barnacles (Sessilia), red algae (Rhodophyta). Faunal tubes
		14:37:29	693 987.5	5 901 906.4				
16/03/2021	ST13	13:22:31	696 407.2	5 901 789.5	115	1 to 26	Sand (rippled) with shell fragments	Hermit crab (Paguridae)
		13:31:05	696 410.8	5 901 904.9				
18/03/2021	ST14	12:38:37	699 528.7	5 900 186.1	50	1 to 35	Mixed sediment comprising sandy gravel with shell fragments. Mud deposition on mixed sediment evident	Brittlestars (incl. <i>Ophiothrix fragilis</i> and <i>Ophiura albida</i>), scallop (Pectinidae), faunal turf (Hydrozoa/Bryozoa including <i>Hydrallmania falcata</i>), whelk (Buccinidae), hermit crabs (Paguridae), starfish (<i>Asterias rubens</i>)
		12:44:31	699 518.5	5 900 137.4				
15/03/2021	ST15	18:20:35	702 235.5	5 899 396.3	82	1 to 23	Pebbly, gravelly sand with shell fragments. Mud deposition evident	Burrowing sea cucumber (Holothuroidea), brittlestars (Ophiuroidea), hermit crab (Paguridae)
		18:27:50	702 305.2	5 899 353.5				
18/03/2021	ST16A	07:16:41	704 280.8	5 909 452.9	112	1 to 38	Sand (possible mobile sand bank)	Sandeels (Ammodytidae)
		07:24:28	704 203.5	5 909 534.1				
18/03/2021	ST17A	07:36:57	704 901.3	5 907 442.1	69	1 to 23	Slightly gravelly sand (rippled) with shell fragments	No fauna observed
		07:41:55	704 891.1	5 907 510.6				
18/03/2021	ST18A	07:59:49	705 305.6	5 904 673.2	83	1 to 37	Slightly gravelly sand (rippled) with shell fragments	Sandeels (Ammodytidae)
		08:07:32	705 259.8	5 904 742.8				

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]								
Date	Station	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna / Bioturbation / Debris
			Easting	Northing				
15/03/2021	ST19A	15:45:55	705 686.4	5 901 356.6	133	1 to 30	Slightly gravelly sand (rippled) with shell fragments	Sandeels (Ammodytidae)
		15:55:52	705 698.1	5 901 489.5				
15/03/2021	ST20A	16:15:51	706 755.0	5 898 672.7	88	1 to 28	Slightly gravelly sand (rippled) with shell fragments	Sandeels (Ammodytidae)
		16:24:22	706 751.2	5 898 760.4				
15/03/2021	ST21	16:42:47	706 396.3	5 896 235.2	70	1 to 14	Sand (possible mobile sand bank)	No fauna observed
		16:47:44	706 434.9	5 896 293.6				
17/03/2021	ST22	14:54:00	691 086.1	5 913 547.0	63	1 to 19	Sand (rippled) with shell fragments. Mud deposition evident within recesses	Faunal tube
		14:59:24	691 071.6	5 913 608.1				
17/03/2021	ST23	14:26:15	693 424.7	5 911 991.8	86	1 to 26	Sand (rippled) with shell fragments. Mud deposition evident within recesses	No fauna observed
		14:32:57	693 427.6	5 912 077.6				
17/03/2021	ST24	17:44:59	696 154.9	5 910 158.8	96	1 to 15	Sand (rippled) with shell fragments. Mud deposition evident within recesses	Brittlestars (including <i>Ophiothrix fragilis</i> and <i>Ophiura albida</i>), sparse faunal turf (Hydrozoa/Bryozoa), starfish (<i>Asterias rubens</i>), possible sea pen (<i>Virgularia mirabilis</i>), anemone (Actiniaria)
		17:50:08	696 155.5	5 910 254.4				
15/03/2021	ST26	17:24:51	698 367.6	5 897 713.0	68	1 to 10	Gravelly sand (rippled) with shell fragments. Mud deposition evident within recesses	Hermit crab (Paguridae), brittlestars (including <i>Ophiura albida</i>)
		17:28:56	698 377.1	5 897 780.3				
25/02/2021	ST27	14:31:36	700 923.6	5 896 794.1	75	1 to 8	Sand	No fauna observed
		14:36:18	700 863.8	5 896 838.8				
17/03/2021	ST28	08:23:43	706 922.0	5 907 831.3	138	1 to 49	Slightly gravelly sand (rippled) with shell fragments. Occasional scattered pebbles and cobbles	Brittlestars (incl. <i>Ophiura albida</i>), faunal turf (Hydrozoa/Bryozoa including <i>Hydrallmania falcata</i> , <i>Nemertesia</i> sp. and <i>Sertularia</i> sp.), sand mason worm (<i>Lanice conchilega</i>), crab (Inachidae), starfish (<i>Asterias rubens</i>), whelks (Buccinidae), crab (<i>Liocarcinus</i> sp.), hermit crabs (Paguridae)
		08:36:27	706 927.9	5 907 693.0				

Geodetic Parameters: WGS 84 Zone 29N [m], [EPSG 32629]								
Date	Station	Time [UTC]	Video Coordinates		Length [m]	Still Nos.	Sediment Description	Fauna / Bioturbation / Debris
			Easting	Northing				
15/03/2021	ST29	14:49:11	708 853.7	5 903 144.0	89	1 to 23	Mixed sediment comprising slightly gravelly shelly sand. Mud deposition evident	Barnacles (Sessilia, mainly dead), soft coral (<i>Alcyonium digitatum</i>), sparse faunal turf (Hydrozoa/Bryozoa), queen scallops (<i>Aequipecten opercularis</i>), starfish (<i>Asterias rubens</i>), solitary ascidians (Ascidacea), faunal tubes
		14:55:43	708 850.6	5 903 232.7				
18/03/2021	ST30	13:46:55	709 174.3	5 897 637.5	76	1 to 29	Mixed sediment comprising slightly gravelly shelly sand. Mud deposition evident	Soft coral (<i>Alcyonium digitatum</i>), brittlestars (including <i>Ophiura albida</i>), hermit crab (Paguridae), sparse faunal turf (Hydrozoa/Bryozoa), urchin (Echinoidea), whelk (Buccinidae), starfish (<i>Asterias rubens</i>), snail (? <i>Aporrhais</i> sp.) solitary ascidians (Ascidacea), faunal tubes (possible ?Chaetopteridae)
		13:53:58	709 182.8	5 897 713.3				
Notes UTC = Coordinated Universal Time ? = Identification is uncertain								