

Rampion 2 Wind Farm

Category 8: Benthic - Subtidal benthic characterisation survey report appendices

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Revision A

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Document revisions

Revision	Date	Status/reason for issue	Author	Checked by	Approved by
A	28/02/2024	Final for Deadline 1	GoBe	RED	RED

Total Moisture @ 105°C

Sediment	
Sample container	1 Kg Tub
Sample preparation	AR
Units	%
UKAS accredited	No
Method code	TMSS

A 30g sub sample of the 'As Received' sample is placed in an oven at 105°C for a minimum of 3 hours. The sample is removed from the oven and is allowed to cool for 5 minutes. It is then weighed and the % moisture calculated.

Total Organic Carbon

Sediment	
Sample container	1 Kg Tub
Sample mass/volume	0.25g
Sample preparation	Air dried & ground (118 µm)
Units	mg/kg
UKAS accredited	No
Method code	WSLM59
References	CS800 Eltra User Manual

This test is applicable to all sample types and will measure all organic carbon species including fixed carbon species, i.e. coal, coke, electrode carbon. However, it will not include volatile organic compounds, the majority of which are lost during digestion and drying.

A weighed portion of the air dried and ground (118 µm) sample is treated with sulphurous acid @ 40°C for 14 hours in order to remove any inorganic carbon species. The digested sample is then dried in an oven @ 105 °C. The dried residue is analysed for carbon content using a Eltra induction furnace fitted with a NDIR cell. In this instrument the sample is combusted at 1600°C in an oxygen atmosphere, the combustion gases then pass through an infra red cell which measures the carbon dioxide concentration.

The total quantity of carbon liberated is calculated and reported as a percentage of the original mass of sample.

Determination of Loss on Ignition in Sediment

Sediment	
Sample container	1 Kg Tub
Sample mass/volume	1g
Sample preparation	Air dried & ground (118 µm)
Units	mg/kg
UKAS accredited	No
Method code	LOI(%MM)

This method estimates the amount of organic matter in a sediment sample.

An aliquot of the dried and ground sample (118 µm) is weighed, heated in a furnace to the required temperature (450oC)

Calculation

$$\text{LOI\% @ 450} = \frac{b-f}{b} \times 100$$

b = total dry weight of sample

f = weight of residue following ignition

ANALYSIS OF TOTAL PETROLEUM HYDROCARBONS IN MARINE SEDIMENT BY GAS CHROMATOGRAPHY WITH FLAME IONISATION DETECTOR

Marine Sediment/Soil

Total Petroleum Hydrocarbons are extracted from as received (AR) marine sediment by solvent extraction. 15ml of methanol and 60ml of DCM are added to an aliquot of the supplied sediment (15g) and mixed on a magnetic stirring plate for 1 hour. The solvent extract is then water partitioned and KD to 1ml. A clean up stage utilises silica-gel along with DCM and Pentane, which removes polar organics that may be readily extracted and contribute to the chromatographic area count (for TPH), but are not petroleum hydrocarbons. 1/3 of the column is made up with the DCM/Silica slurry and then the column is eluted with 9ml of DCM and 3ml of Pentane. The 1ml of DCM extract is then eluted through the column with a further 1ml of DCM and 2ml of Pentane giving a final extract of 4ml (DCM:Pentane). The samples are then subjected to a further copper clean up stage to remove any sulphur.

A separate sub-sample is taken for analysis of moisture content by drying at 120°C for 8 hours. The moisture content is later used to convert the hydrocarbon concentrations from wet weight to dry weight.

Water

Internals and surrogate are added to the water sample (200ml) and extracted using DCM. In a separating funnel the sample is shaken for 3 minutes with 40ml of DCM and a scoop of sodium chloride. The solvent extract is then KD to 1ml. Sample is then subjected to a silica clean up as above.

The final TPH sample extract is injected into a gas chromatograph (GC) equipped with a flame ionisation detector (FID). The chromatographic envelope areas obtained are compared to those from the mixed diesel/mineral oil calibration standards to yield a concentration of the total hydrocarbons in the extract. The concentration in the sample is then calculated against the squalene surrogate. The chromatographically resolved individual n-alkane peaks nC10 – nC37 can be quantified using the florida mix standard.

The result for each target compound, the TPH area and the moisture values are tabulated and results are in ng/g (dry weight basis). A WMF for each chromatogram is also produced.

Sample Container	Marine Sediment/Soil	Water
Sample mass/volume	250ml Tins	Narrow neck 200ml amber glass
Sample preparation	15g	200ml
Final extract volume	As Received	Water-no sediment
Reporting limit	4ml	4ml
Units	1	1
UKAS accredited	µg/kg	µg/l
Method Code	No	No
	ASC/SOP/306	ASC/SOP/306

There are 40 carbon alkanes from nC8 – nC40 in the florida mix. nC10 – nC37, pristane and phytane are the target compounds.

Quality Control

All samples have surrogates and internals added prior to commencement of extraction. Internal standards used are Heptamethylnonane (A), 1-ChloroOctadecane (B) and Squalane (C). Surrogate levels will be varied to correlate to the expected levels of contamination of a particular survey, which would have been provided prior to analysis.

Decanoic Acid and Eicosanoic Acid are added to the sample for both sediments and waters post extraction but prior to the clean up stage. These are reverse surrogates to measure the clean up.

Three instrument blanks of 50:50 Pentane:DCM are ran initially and one after the CCCs before any samples. Two method blanks and an in-house prepared reference material are analysed with each batch. Two calibration check standards are measured before and after each batch. The first CCC is a florida mix used to calibrate the individual alkane method and determine retention times and areas for the nC10 – nC40 alkane groups. The second CCC is a diesel/mineral oil mix which provides the odd alkane group retention times from nC11 – nC27, pristane and phytane. The second CCC is used to calibrate the total petroleum hydrocarbons area.

Hopane Analysis

A 17a(H),21b(H)-Hopane 6 point calibration was ran on the GCMS to identify and quantify this compound from mass ion 191.

A 17a(H),21b(H)-Hopane solution was ran on the GC FID to determine the retention time for this compound. It was also spiked into the batch blank for extraction.

The area between C10 to the 17a(H),21b(H)-Hopane was integrated for each sample on the GCFID.

The area between C18 to the 17a(H),21b(H)-Hopane was integrated for each sample on the GCFID.

The total oil (µg/kg) for each of these areas was then calculated in the final report along with phytane to 17a(H),21b(H)-Hopane (which is C18 to the 17a(H),21b(H)-Hopane minus the value for c18)

ANALYSIS OF POLYCYCLIC AROMATIC HYDROCARBONS IN MARINE SEDIMENT BY GCMS dti

Marine Sediment/Soil

Polycyclic Aromatic Hydrocarbons are extracted from as received (AR) marine sediment by solvent extraction. 15ml of methanol and 60ml of DCM are added to an aliquot of the supplied sediment (15g) and mixed on a magnetic stirring plate for 1 hour. The solvent extract is then water partitioned and KD to 1ml. A clean up stage utilises silica-gel along with DCM and Pentane, which removes polar organics that may not be petroleum hydrocarbons. 1/3 of the column is made up with the DCM/Silica slurry and then the column is eluted with 9ml of DCM and 3ml of Pentane. The 1ml of DCM extract is then eluted through the column with a further 1ml of DCM and 2ml of Pentane giving a final extract of 4ml (DCM:Pentane). The PAH samples are then subjected to a further copper clean up stage to remove any sulphur.

A separate sub-sample is taken for analysis of moisture content by drying at 120°C for 8 hours. The moisture content is later used to convert the hydrocarbon concentrations from wet weight to dry weight.

Water

Internals and surrogate are added to the water sample (200ml) and extracted using DCM. In a separating funnel the sample is shaken for 3 minutes with 40ml of DCM and a scoop of sodium chloride. The solvent extract is then KD to 1ml. Sample is then subjected to a silica and copper clean up as above.

The final PAH sample extract is injected into a gas chromatograph (GC) equipped with a mass selective detector (MS). Concentrations are determined by referencing individual quantified mass peak areas for each target compound to the appropriate internal standard quantified mass peak area and the relative response factor calculated from the applicable continuing calibration check standard.

The result for each target compound is tabulated and results are in ng/g (dry weight basis) for the 16 EPA compounds and the corresponding semi-quant compound groups.

	Marine Sediment/Soil	Water
Sample Container	250ml Tins	Narrow neck 200ml amber glass
Sample mass/volume	15g	200ml
Sample preparation	As Received	Water-no sediment
Final extract volume	4ml	4ml
Reporting limit	1	1
Units	µg/kg	µg/l
UKAS accredited	No	No
Method Code	ASC/SOP/304	ASC/SOP/304

There are sixteen target PAHs (the 16 USEPA PAHs), an additional 2 compounds (Dibenzothiophene and Benzo(e)pyrene) and 19 semi-quant groups.

Quality Control

All samples have surrogates and internals added prior to commencement of extraction.
Internal standards used are Naphthalene-d8, Anthracene-d10 and Pyrene-d10.

The GC/MS is calibrated initially at 4 concentrations to confirm linearity of each target compound across the working range. Two method blanks and an in-house prepared reference material are analysed with each batch. With each batch a calibration check standard is measured before and after each batch and the concentration calculated from the slope of the 4 point initial calibration. The first CCC is used to calibrate the method and samples are quantified using the continuing calibration response factors.

The compounds used within the calibration are Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Dibenzothiophene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Indeno(123-cd)pyrene, Dibenzo(ah)anthracene and Benzo(ghi)perylene.

Determination of Heavy and Trace Metals in Sediments by ICPMS and ICPOES

Sediment	
Sample container	1 Kg Tub
Sample mass/volume	0.5g
Sample preparation	Air dried & ground (118 µm)
Units	mg/kg
UKAS accredited	Yes
Method codes	SEDMS, SEDOES

Sample Digestion Procedure

Metals by ICPMS & OES (HF Extractable Metals) - SEDMS & SEDOES

The air-dried and ground sediment sample is digested in a two stage process by microwave. The first stage digestion occurs with 3ml of concentrated hydrofluoric acid, 10ml of nitric acid and 4ml of hydrogen peroxide in a teflon digestion vessel microwaved at 190 °C for approximately 20 minutes. For the second stage digestion, 24ml of boric acid is added to the digest and microwaved on a second program at 160 °C. The digest is made up to 100ml in a Gradplex flask. The digest is then analysed directly by ICPOES and ICPMS with matrix matched standards.

Analytical Principle

Analysis is performed by ICP-OES and ICP-MS and quantified by comparing the results against a calibration curve for each of the target analytes.

The results for each target element are then tabulated.

Calibration

4-6 point calibration using standards sourced from traceable material.

Calibration ranges typically extend up to 200 mg/kg or higher for some elements. These ranges may be extended further by dilution

Quality Control

Both of the above methods are statistically controlled using both Process and Instrument Quality Control samples. Both are sourced independently from the solutions used to calibrate the method. Instrument and Process Blank solutions are also run at regular intervals (with each batch) to monitor potential sources of contamination.

Appendix I - Stills survey logs for the GBERAM0919 camera surveys.

Station	Image File Name	Fix	Fix Time (UTC)	Date	Target Easting	Target Northing	Sampled Easting	Sampled Northing	Distance from Target (m)
07	GBERAM0919_007_2021_02_05_0014.JPG	01	08:59:56	05/02/2021	671610.370	5625822.298	671604.456	5625817.486	7.6
07	GBERAM0919_007_2021_02_05_0013.JPG	02	09:00:32	05/02/2021	671610.370	5625822.298	671613.818	5625811.896	11.0
07	GBERAM0919_007_2021_02_05_0012.JPG	03	09:01:08	05/02/2021	671610.370	5625822.298	671620.073	5625814.884	12.2
07	GBERAM0919_007_2021_02_05_0011.JPG	04	09:01:29	05/02/2021	671610.370	5625822.298	671613.615	5625815.896	7.2
07	GBERAM0919_007_2021_02_05_0010.JPG	05	09:02:01	05/02/2021	671610.370	5625822.298	671612.325	5625818.636	4.2
07	GBERAM0919_007_2021_02_05_0009.JPG	06	09:02:17	05/02/2021	671610.370	5625822.298	671609.817	5625819.777	2.6
07	GBERAM0919_007_2021_02_05_0008.JPG	07	09:02:38	05/02/2021	671610.370	5625822.298	671606.996	5625819.685	4.3
07	GBERAM0919_007_2021_02_05_0007.JPG	08	09:03:18	05/02/2021	671610.370	5625822.298	671601.447	5625818.834	9.6
10	GBERAM0919_010_2021_02_05_0021.JPG	09	09:17:47	05/02/2021	671456.193	5624345.090	671443.114	5624351.265	14.5
10	GBERAM0919_010_2021_02_05_0022.JPG	10	09:18:45	05/02/2021	671456.193	5624345.090	671446.906	5624345.491	9.3
10	GBERAM0919_010_2021_02_05_0023.JPG	11	09:20:58	05/02/2021	671456.193	5624345.090	671468.996	5624339.428	14.0
10	GBERAM0919_010_2021_02_05_0024.JPG	12	09:21:52	05/02/2021	671456.193	5624345.090	671464.177	5624339.937	9.5
10	GBERAM0919_010_2021_02_05_0025.JPG	13	09:22:07	05/02/2021	671456.193	5624345.090	671462.020	5624338.976	8.4
10	GBERAM0919_010_2021_02_05_0026.JPG	14	09:23:10	05/02/2021	671456.193	5624345.090	671452.917	5624332.333	13.2
10	GBERAM0919_010_2021_02_05_0027.JPG	15	09:23:28	05/02/2021	671456.193	5624345.090	671451.611	5624333.403	12.6
10	GBERAM0919_010_2021_02_05_0028.JPG	16	09:24:22	05/02/2021	671456.193	5624345.090	671452.773	5624328.098	17.3
10	GBERAM0919_010_2021_02_05_0029.JPG	17	09:24:39	05/02/2021	671456.193	5624345.090	671449.941	5624328.339	17.9
16	GBERAM0919_016_2021_02_05_0031.JPG	18	09:45:45	05/02/2021	670659.606	5618779.865	670653.723	5618783.987	7.2
16	GBERAM0919_016_2021_02_05_0032.JPG	19	09:46:03	05/02/2021	670659.606	5618779.865	670653.940	5618781.657	5.9
16	GBERAM0919_016_2021_02_05_0033.JPG	20	09:47:02	05/02/2021	670659.606	5618779.865	670662.174	5618778.475	2.9
16	GBERAM0919_016_2021_02_05_0034.JPG	21	09:48:23	05/02/2021	670659.606	5618779.865	670666.470	5618778.950	6.9
16	GBERAM0919_016_2021_02_05_0035.JPG	22	09:48:43	05/02/2021	670659.606	5618779.865	670665.761	5618779.038	6.2
16	GBERAM0919_016_2021_02_05_0036.JPG	23	09:49:06	05/02/2021	670659.606	5618779.865	670668.927	5618779.475	9.3
16	GBERAM0919_016_2021_02_05_0037.JPG	24	09:49:36	05/02/2021	670659.606	5618779.865	670671.830	5618779.347	12.2
16	GBERAM0919_016_2021_02_05_0038.JPG	25	09:49:57	05/02/2021	670659.606	5618779.865	670672.302	5618780.030	12.7
16	GBERAM0919_016_2021_02_05_0039.JPG	26	09:50:25	05/02/2021	670659.606	5618779.865	670671.846	5618781.017	12.3
T_018	GBERAM0919_T_018_2021_02_05_0041.JPG	27	10:03:11	05/02/2021	671645.109	5618495.235	671650.424	5618501.098	7.9
T_018	GBERAM0919_T_018_2021_02_05_0042.JPG	28	10:04:22	05/02/2021			671641.943	5618488.131	
T_018	GBERAM0919_T_018_2021_02_05_0043.JPG	29	10:05:36	05/02/2021			671633.584	5618488.636	
T_018	GBERAM0919_T_018_2021_02_05_0044.JPG	30	10:05:58	05/02/2021			671629.449	5618491.839	
T_018	GBERAM0919_T_018_2021_02_05_0045.JPG	31	10:06:54	05/02/2021			671624.332	5618492.672	
T_018	GBERAM0919_T_018_2021_02_05_0046.JPG	32	10:07:05	05/02/2021			671624.306	5618493.451	
T_018	GBERAM0919_T_018_2021_02_05_0047.JPG	33	10:07:40	05/02/2021			671609.524	5618497.974	
T_018	GBERAM0919_T_018_2021_02_05_0048.JPG	34	10:10:28	05/02/2021			671620.386	5618494.435	
T_018	GBERAM0919_T_018_2021_02_05_0049.JPG	35	10:10:31	05/02/2021			671620.337	5618493.766	
T_018	GBERAM0919_T_018_2021_02_05_0050.JPG	36	10:11:17	05/02/2021			671611.794	5618491.259	
T_018	GBERAM0919_T_018_2021_02_05_0051.JPG	37	10:11:32	05/02/2021			671611.570	5618489.471	
T_018	GBERAM0919_T_018_2021_02_05_0052.JPG	38	10:12:35	05/02/2021			671604.139	5618487.557	
T_018	GBERAM0919_T_018_2021_02_05_0053.JPG	39	10:12:46	05/02/2021			671603.006	5618487.632	
T_018	GBERAM0919_T_018_2021_02_05_0054.JPG	40	10:12:58	05/02/2021			671600.927	5618486.339	
T_018	GBERAM0919_T_018_2021_02_05_0055.JPG	41	10:13:11	05/02/2021			671599.807	5618483.854	
T_018	GBERAM0919_T_018_2021_02_05_0056.JPG	42	10:13:42	05/02/2021			671594.268	5618482.448	
T_018	GBERAM0919_T_018_2021_02_05_0057.JPG	43	10:14:46	05/02/2021			671583.148	5618483.084	
T_018	GBERAM0919_T_018_2021_02_05_0058.JPG	44	10:14:52	05/02/2021			671582.163	5618482.941	
T_018	GBERAM0919_T_018_2021_02_05_0059.JPG	45	10:15:19	05/02/2021			671577.430	5618480.671	
T_018	GBERAM0919_T_018_2021_02_05_0060.JPG	46	10:15:26	05/02/2021			671575.390	5618480.381	
T_018	GBERAM0919_T_018_2021_02_05_0061.JPG	47	10:15:42	05/02/2021			671573.661	5618479.211	
T_018	GBERAM0919_T_018_2021_02_05_0062.JPG	48	10:15:51	05/02/2021			671573.382	5618479.091	
T_018	GBERAM0919_T_018_2021_02_05_0063.JPG	49	10:16:01	05/02/2021			671572.761	5618478.625	
T_018	GBERAM0919_T_018_2021_02_05_0064.JPG	50	10:16:44	05/02/2021			671563.037	5618477.638	
T_018	GBERAM0919_T_018_2021_02_05_0065.JPG	51	10:17:00	05/02/2021			671561.587	5618476.589	
T_018	GBERAM0919_T_018_2021_02_05_0066.JPG	52	10:17:21	05/02/2021			671559.640	5618477.749	
T_018	GBERAM0919_T_018_2021_02_05_0067.JPG	53	10:18:17	05/02/2021			671553.373	5618476.987	
T_018	GBERAM0919_T_018_2021_02_05_0068.JPG	54	10:						

T_019	GBERAM0919_T_019_2021_02_05_0097.JPG	81	10:59:22	05/02/2021			671357.587	5617578.514	
T_019	GBERAM0919_T_019_2021_02_05_0098.JPG	82	11:00:14	05/02/2021			671353.332	5617574.590	
T_019	GBERAM0919_T_019_2021_02_05_0099.JPG	83	11:01:36	05/02/2021			671348.558	5617584.339	
T_019	GBERAM0919_T_019_2021_02_05_0100.JPG	84	11:02:21	05/02/2021			671333.266	5617580.610	
T_019	GBERAM0919_T_019_2021_02_05_0101.JPG	85	11:02:41	05/02/2021			671332.080	5617580.126	
T_019	GBERAM0919_T_019_2021_02_05_0102.JPG	86	11:03:28	05/02/2021			671330.019	5617571.823	
T_019	GBERAM0919_T_019_2021_02_05_0103.JPG	87	11:04:19	05/02/2021			671321.672	5617576.224	
T_019	GBERAM0919_T_019_2021_02_05_0104.JPG	88	11:05:16	05/02/2021			671315.205	5617577.236	
T_019	GBERAM0919_T_019_2021_02_05_0105.JPG	89	11:06:08	05/02/2021			671308.391	5617578.015	
T_019	GBERAM0919_T_019_2021_02_05_0106.JPG	90	11:07:03	05/02/2021			671302.174	5617575.696	
T_019	GBERAM0919_T_019_2021_02_05_0107.JPG	91	11:07:51	05/02/2021			671296.819	5617577.302	
T_019	GBERAM0919_T_019_2021_02_05_0108.JPG	92	11:07:57	05/02/2021			671296.690	5617579.078	
T_019	GBERAM0919_T_019_2021_02_05_0109.JPG	93	11:08:48	05/02/2021			671287.046	5617577.760	
T_019	GBERAM0919_T_019_2021_02_05_0110.JPG	94	11:09:37	05/02/2021			671280.701	5617572.878	
T_019	GBERAM0919_T_019_2021_02_05_0112.JPG	95	11:10:20	05/02/2021			671275.161	5617571.472	
T_019	GBERAM0919_T_019_2021_02_05_0113.JPG	96	11:10:54	05/02/2021			671269.659	5617571.069	
T_019	GBERAM0919_T_019_2021_02_05_0114.JPG	97	11:11:39	05/02/2021			671266.161	5617576.408	
T_019	GBERAM0919_T_019_2021_02_05_0115.JPG	98	11:12:16	05/02/2021			671258.881	5617574.167	
T_019	GBERAM0919_T_019_2021_02_05_0116.JPG	99	11:12:47	05/02/2021			671253.256	5617573.203	
T_019	GBERAM0919_T_019_2021_02_05_0117.JPG	100	11:13:22	05/02/2021			671247.345	5617572.342	
T_019	GBERAM0919_T_019_2021_02_05_0118.JPG	101	11:14:03	05/02/2021			671240.705	5617572.124	
T_019	GBERAM0919_T_019_2021_02_05_0119.JPG	102	11:14:55	05/02/2021			671234.968	5617570.267	
T_019	GBERAM0919_T_019_2021_02_05_0120.JPG	103	11:15:36	05/02/2021			671228.180	5617570.267	
T_019	GBERAM0919_T_019_2021_02_05_0121.JPG	104	11:15:41	05/02/2021			671228.233	5617570.826	
T_019	GBERAM0919_T_019_2021_02_05_0122.JPG	105	11:16:27	05/02/2021			671222.066	5617571.291	
T_019	GBERAM0919_T_019_2021_02_05_0123.JPG	106	11:17:02	05/02/2021			671216.613	5617571.558	
T_019	GBERAM0919_T_019_2021_02_05_0124.JPG	107	11:17:39	05/02/2021			671208.226	5617570.727	
T_019	GBERAM0919_T_019_2021_02_05_0125.JPG	108	11:18:19	05/02/2021	671204.016	5617573.908	671202.930	5617568.327	5.7
T_021	GBERAM0919_T_021_2021_02_05_0127.JPG	109	12:22:29	05/02/2021	673043.677	5617231.218	673062.699	5617233.109	19.1
T_021	GBERAM0919_T_021_2021_02_05_0128.JPG	110	12:23:16	05/02/2021			673050.341	5617232.589	
T_021	GBERAM0919_T_021_2021_02_05_0129.JPG	111	12:23:59	05/02/2021			673041.717	5617234.641	
T_021	GBERAM0919_T_021_2021_02_05_0130.JPG	112	12:24:36	05/02/2021			673031.482	5617234.079	
T_021	GBERAM0919_T_021_2021_02_05_0131.JPG	113	12:24:40	05/02/2021			673030.883	5617232.947	
T_021	GBERAM0919_T_021_2021_02_05_0132.JPG	114	12:25:21	05/02/2021			673021.375	5617238.197	
T_021	GBERAM0919_T_021_2021_02_05_0133.JPG	115	12:26:03	05/02/2021			673010.090	5617243.722	
T_021	GBERAM0919_T_021_2021_02_05_0134.JPG	116	12:26:50	05/02/2021			672999.135	5617245.697	
T_021	GBERAM0919_T_021_2021_02_05_0135.JPG	117	12:27:41	05/02/2021			672986.466	5617239.602	
T_021	GBERAM0919_T_021_2021_02_05_0136.JPG	118	12:28:17	05/02/2021			672978.383	5617246.680	
T_021	GBERAM0919_T_021_2021_02_05_0137.JPG	119	12:28:55	05/02/2021			672970.581	5617251.653	
T_021	GBERAM0919_T_021_2021_02_05_0138.JPG	120	12:29:33	05/02/2021			672962.238	5617249.485	
T_021	GBERAM0919_T_021_2021_02_05_0139.JPG	121	12:31:15	05/02/2021			672956.763	5617252.532	
T_021	GBERAM0919_T_021_2021_02_05_0140.JPG	122	12:32:02	05/02/2021			672948.382	5617247.246	
T_021	GBERAM0919_T_021_2021_02_05_0141.JPG	123	12:32:42	05/02/2021			672940.436	5617254.440	
T_021	GBERAM0919_T_021_2021_02_05_0142.JPG	124	12:33:21	05/02/2021			672931.887	5617258.498	
T_021	GBERAM0919_T_021_2021_02_05_0143.JPG	125	12:34:01	05/02/2021			672922.715	5617257.861	
T_021	GBERAM0919_T_021_2021_02_05_0144.JPG	126	12:34:49	05/02/2021			672914.344	5617260.812	
T_021	GBERAM0919_T_021_2021_02_05_0145.JPG	127	12:35:31	05/02/2021			672906.949	5617259.899	
T_021	GBERAM0919_T_021_2021_02_05_0146.JPG	128	12:35:36	05/02/2021			672907.522	5617259.696	
T_021	GBERAM0919_T_021_2021_02_05_0147.JPG	129	12:36:19	05/02/2021			672901.039	5617261.151	
T_021	GBERAM0919_T_021_2021_02_05_0148.JPG	130	12:36:53	05/02/2021			672896.334	5617266.560	
T_021	GBERAM0919_T_021_2021_02_05_0149.JPG	131	12:36:57	05/02/2021			672896.249	5617267.003	
T_021	GBERAM0919_T_021_2021_02_05_0150.JPG	132	12:37:44	05/02/2021	672896.716	5617261.263	672887.098	5617263.584	9.9
T_020	GBERAM0919_T_020_2021_02_05_0152.JPG	133	13:05:21	05/02/2021	674561.495	5617601.792	674574.948	5617605.597	14.0
T_020	GBERAM0919_T_020_2021_02_05_0153.JPG	134	13:05:28	05/02/2021			674574.929	5617604.039	
T_020	GBERAM0919_T_020_2021_02_05_0154.JPG	135	13:06:06	05/02/2021			674565.004	5617600.591	
T_020	GBERAM0919_T_020_2021_02_05_0155.JPG	136	13:06:45	05/02/2021			674557.186	5617597.547	
T_020	GBERAM0919_T_020_2021_02_05_0156.JPG	137	13:07:16	05/02/2021			674552.066	5617594.149	
T_020	GBERAM0919_T_020_2021_02_05_0157.JPG	138	13:07:34	05/02/2021			674549.832	5617595.410	
T_020	GBERAM0919_T_020_2021_02_05_0158.JPG	139	13:08:07	05/02/2021			674543.044	5	

T_022	GBERAM0919_T_022_2021_02_05_0185.JPG	165	13:46:16	05/02/2021			673343.783	5616953.820	
T_022	GBERAM0919_T_022_2021_02_05_0186.JPG	166	13:46:35	05/02/2021			673344.580	5616946.834	
T_022	GBERAM0919_T_022_2021_02_05_0187.JPG	167	13:47:18	05/02/2021			673339.735	5616943.668	
T_022	GBERAM0919_T_022_2021_02_05_0188.JPG	168	13:47:55	05/02/2021			673329.390	5616952.786	
T_022	GBERAM0919_T_022_2021_02_05_0189.JPG	169	13:48:41	05/02/2021			673320.693	5616948.491	
T_022	GBERAM0919_T_022_2021_02_05_0190.JPG	170	13:49:22	05/02/2021			673310.112	5616949.810	
T_022	GBERAM0919_T_022_2021_02_05_0191.JPG	171	13:49:29	05/02/2021			673309.098	5616950.555	
T_022	GBERAM0919_T_022_2021_02_05_0192.JPG	172	13:50:17	05/02/2021			673302.460	5616948.109	
T_022	GBERAM0919_T_022_2021_02_05_0193.JPG	173	13:50:52	05/02/2021			673296.960	5616943.364	
T_022	GBERAM0919_T_022_2021_02_05_0194.JPG	174	13:51:27	05/02/2021			673287.380	5616946.497	
T_022	GBERAM0919_T_022_2021_02_05_0195.JPG	175	13:52:06	05/02/2021			673276.417	5616948.693	
T_022	GBERAM0919_T_022_2021_02_05_0196.JPG	176	13:53:00	05/02/2021			673260.146	5616944.592	
T_022	GBERAM0919_T_022_2021_02_05_0197.JPG	177	13:53:06	05/02/2021			673260.116	5616945.482	
T_022	GBERAM0919_T_022_2021_02_05_0198.JPG	178	13:54:46	05/02/2021			673248.408	5616953.108	
T_022	GBERAM0919_T_022_2021_02_05_0199.JPG	179	13:55:37	05/02/2021			673233.515	5616945.825	
T_022	GBERAM0919_T_022_2021_02_05_0200.JPG	180	13:55:42	05/02/2021			673234.110	5616947.069	
T_022	GBERAM0919_T_022_2021_02_05_0201.JPG	181	13:55:48	05/02/2021			673232.336	5616945.118	
T_022	GBERAM0919_T_022_2021_02_05_0202.JPG	182	13:55:52	05/02/2021			673231.904	5616943.212	
T_022	GBERAM0919_T_022_2021_02_05_0203.JPG	183	13:56:18	05/02/2021			673223.653	5616938.264	
T_022	GBERAM0919_T_022_2021_02_05_0204.JPG	184	13:56:24	05/02/2021			673222.080	5616938.768	
T_022	GBERAM0919_T_022_2021_02_05_0205.JPG	185	13:56:33	05/02/2021	673224.601	5616940.312	673221.258	5616937.962	4.1
T_023	GBERAM0919_T_023_2021_02_05_0207.JPG	186	14:17:45	05/02/2021	673554.912	5616581.228	673559.549	5616582.890	4.9
T_023	GBERAM0919_T_023_2021_02_05_0208.JPG	187	14:18:28	05/02/2021			673548.605	5616583.418	
T_023	GBERAM0919_T_023_2021_02_05_0209.JPG	188	14:18:32	05/02/2021			673548.867	5616584.038	
T_023	GBERAM0919_T_023_2021_02_05_0210.JPG	189	14:19:13	05/02/2021			673537.965	5616583.287	
T_023	GBERAM0919_T_023_2021_02_05_0211.JPG	190	14:19:21	05/02/2021			673538.155	5616583.961	
T_023	GBERAM0919_T_023_2021_02_05_0212.JPG	191	14:19:56	05/02/2021			673524.618	5616584.848	
T_023	GBERAM0919_T_023_2021_02_05_0213.JPG	192	14:20:04	05/02/2021			673523.032	5616584.684	
T_023	GBERAM0919_T_023_2021_02_05_0214.JPG	193	14:20:42	05/02/2021			673515.074	5616582.583	
T_023	GBERAM0919_T_023_2021_02_05_0215.JPG	194	14:20:46	05/02/2021			673513.727	5616582.706	
T_023	GBERAM0919_T_023_2021_02_05_0216.JPG	195	14:21:43	05/02/2021			673494.977	5616587.203	
T_023	GBERAM0919_T_023_2021_02_05_0217.JPG	196	14:22:26	05/02/2021			673482.077	5616581.656	
T_023	GBERAM0919_T_023_2021_02_05_0218.JPG	197	14:23:06	05/02/2021			673473.743	5616580.266	
T_023	GBERAM0919_T_023_2021_02_05_0219.JPG	198	14:23:43	05/02/2021			673463.672	5616580.043	
T_023	GBERAM0919_T_023_2021_02_05_0220.JPG	199	14:23:58	05/02/2021			673461.208	5616582.911	
T_023	GBERAM0919_T_023_2021_02_05_0221.JPG	200	14:24:29	05/02/2021			673449.819	5616581.921	
T_023	GBERAM0919_T_023_2021_02_05_0222.JPG	201	14:24:33	05/02/2021			673449.027	5616582.340	
T_023	GBERAM0919_T_023_2021_02_05_0223.JPG	202	14:25:20	05/02/2021			673442.019	5616580.383	
T_023	GBERAM0919_T_023_2021_02_05_0224.JPG	203	14:26:04	05/02/2021			673432.181	5616581.670	
T_023	GBERAM0919_T_023_2021_02_05_0225.JPG	204	14:26:12	05/02/2021			673428.971	5616582.510	
T_023	GBERAM0919_T_023_2021_02_05_0226.JPG	205	14:26:55	05/02/2021			673413.692	5616585.787	
T_023	GBERAM0919_T_023_2021_02_05_0227.JPG	206	14:27:31	05/02/2021			673410.033	5616576.706	
T_023	GBERAM0919_T_023_2021_02_05_0228.JPG	207	14:28:09	05/02/2021			673397.776	5616582.700	
T_023	GBERAM0919_T_023_2021_02_05_0229.JPG	208	14:28:51	05/02/2021			673388.159	5616582.659	
T_023	GBERAM0919_T_023_2021_02_05_0230.JPG	209	14:29:22	05/02/2021			673380.432	5616580.010	
T_023	GBERAM0919_T_023_2021_02_05_0231.JPG	210	14:29:26	05/02/2021			673379.774	5616581.713	
T_023	GBERAM0919_T_023_2021_02_05_0232.JPG	211	14:30:01	05/02/2021			673370.639	5616576.736	
T_023	GBERAM0919_T_023_2021_02_05_0233.JPG	212	14:30:28	05/02/2021			673366.408	5616576.373	
T_023	GBERAM0919_T_023_2021_02_05_0234.JPG	213	14:30:49	05/02/2021			673360.240	5616577.894	
T_023	GBERAM0919_T_023_2021_02_05_0235.JPG	214	14:31:20	05/02/2021			673353.805	5616576.790	
T_023	GBERAM0919_T_023_2021_02_05_0236.JPG	215	14:31:47	05/02/2021			673347.566	5616577.251	
T_023	GBERAM0919_T_023_2021_02_05_0237.JPG	216	14:31:51	05/02/2021	673354.915	5616580.053	673346.211	5616576.538	9.4
T_026	GBERAM0919_T_026_2021_02_05_0239.JPG	217	14:53:45	05/02/2021	673505.314	5615052.192	673510.392	5615058.234	7.9
T_026	GBERAM0919_T_026_2021_02_05_0240.JPG	218	14:54:18	05/02/2021			673497.418	5615052.684	
T_026	GBERAM0919_T_026_2021_02_05_0241.JPG	219	14:54:22	05/02/2021			673496.663	5615054.106	
T_026	GBERAM0919_T_026_2021_02_05_0242.JPG	220	14:54:26	05/02/2021			673496.511	5615054.435	
T_026	GBERAM0919_T_026_2021_02_05_0243.JPG	221	14:55:00	05/02/2021			673483.547	5615059.236	
T_026	GBERAM0919_T_026_2021_02_05_0244.JPG	222	14:55:45	05/02/2021			673473.664	5615054.345	
T_026	GBERAM0919_T_026_2021_02_05_0245.JPG	223	14:56:27	05/02/2021					

T_025	GBERAM0919_T_025_2021_02_05_0272.JPG	249	15:26:21	05/02/2021			671388.075	5616076.330	
T_025	GBERAM0919_T_025_2021_02_05_0273.JPG	250	15:26:55	05/02/2021			671367.395	5616079.325	
T_025	GBERAM0919_T_025_2021_02_05_0274.JPG	251	15:27:48	05/02/2021			671361.753	5616089.602	
T_025	GBERAM0919_T_025_2021_02_05_0275.JPG	252	15:29:01	05/02/2021	671353.331	5616087.393	671332.350	5616097.654	23.4
T_024	GBERAM0919_T_024_2021_02_05_0277.JPG	253	15:45:30	05/02/2021	671704.018	5616546.114	671692.674	5616551.098	12.4
T_024	GBERAM0919_T_024_2021_02_05_0278.JPG	254	15:46:03	05/02/2021			671697.988	5616546.487	
T_024	GBERAM0919_T_024_2021_02_05_0279.JPG	255	15:46:40	05/02/2021			671707.175	5616544.562	
T_024	GBERAM0919_T_024_2021_02_05_0280.JPG	256	15:47:20	05/02/2021			671713.872	5616540.887	
T_024	GBERAM0919_T_024_2021_02_05_0281.JPG	257	15:47:56	05/02/2021			671717.313	5616537.327	
T_024	GBERAM0919_T_024_2021_02_05_0282.JPG	258	15:48:22	05/02/2021			671715.943	5616533.832	
T_024	GBERAM0919_T_024_2021_02_05_0283.JPG	259	15:48:32	05/02/2021			671720.084	5616532.632	
T_024	GBERAM0919_T_024_2021_02_05_0284.JPG	260	15:48:48	05/02/2021			671720.831	5616531.432	
T_024	GBERAM0919_T_024_2021_02_05_0285.JPG	261	15:49:32	05/02/2021			671722.279	5616528.252	
T_024	GBERAM0919_T_024_2021_02_05_0286.JPG	262	15:49:38	05/02/2021			671723.159	5616527.280	
T_024	GBERAM0919_T_024_2021_02_05_0287.JPG	263	15:50:24	05/02/2021			671736.013	5616521.358	
T_024	GBERAM0919_T_024_2021_02_05_0288.JPG	264	15:50:58	05/02/2021			671739.067	5616516.672	
T_024	GBERAM0919_T_024_2021_02_05_0289.JPG	265	15:51:05	05/02/2021			671740.394	5616517.161	
T_024	GBERAM0919_T_024_2021_02_05_0290.JPG	266	15:51:36	05/02/2021			671746.472	5616515.135	
T_024	GBERAM0919_T_024_2021_02_05_0291.JPG	267	15:51:45	05/02/2021			671749.321	5616516.675	
T_024	GBERAM0919_T_024_2021_02_05_0292.JPG	268	15:52:18	05/02/2021			671755.019	5616513.301	
T_024	GBERAM0919_T_024_2021_02_05_0293.JPG	269	15:53:04	05/02/2021			671760.946	5616507.263	
T_024	GBERAM0919_T_024_2021_02_05_0294.JPG	270	15:53:37	05/02/2021			671766.141	5616501.980	
T_024	GBERAM0919_T_024_2021_02_05_0295.JPG	271	15:54:17	05/02/2021			671780.292	5616501.777	
T_024	GBERAM0919_T_024_2021_02_05_0296.JPG	272	15:55:02	05/02/2021			671788.751	5616496.156	
T_024	GBERAM0919_T_024_2021_02_05_0297.JPG	273	15:55:31	05/02/2021			671794.493	5616491.447	
T_024	GBERAM0919_T_024_2021_02_05_0298.JPG	274	15:55:36	05/02/2021			671794.705	5616491.454	
T_024	GBERAM0919_T_024_2021_02_05_0299.JPG	275	15:56:10	05/02/2021			671803.265	5616487.061	
T_024	GBERAM0919_T_024_2021_02_05_0300.JPG	276	15:56:47	05/02/2021			671811.792	5616483.668	
T_024	GBERAM0919_T_024_2021_02_05_0301.JPG	277	15:57:32	05/02/2021			671811.236	5616472.631	
T_024	GBERAM0919_T_024_2021_02_05_0302.JPG	278	15:58:26	05/02/2021			671821.152	5616472.178	
T_024	GBERAM0919_T_024_2021_02_05_0303.JPG	279	15:59:09	05/02/2021			671834.527	5616474.064	
T_024	GBERAM0919_T_024_2021_02_05_0304.JPG	280	15:59:49	05/02/2021			671839.639	5616466.998	
T_024	GBERAM0919_T_024_2021_02_05_0305.JPG	281	16:00:30	05/02/2021			671844.201	5616459.468	
T_024	GBERAM0919_T_024_2021_02_05_0306.JPG	282	16:01:40	05/02/2021			671852.595	5616457.963	
T_024	GBERAM0919_T_024_2021_02_05_0307.JPG	283	16:01:46	05/02/2021			671853.336	5616459.100	
T_024	GBERAM0919_T_024_2021_02_05_0308.JPG	284	16:02:31	05/02/2021			671867.167	5616457.886	
T_024	GBERAM0919_T_024_2021_02_05_0309.JPG	285	16:02:36	05/02/2021			671868.409	5616458.817	
T_024	GBERAM0919_T_024_2021_02_05_0310.JPG	286	16:03:15	05/02/2021			671874.325	5616446.657	
T_024	GBERAM0919_T_024_2021_02_05_0311.JPG	287	16:04:00	05/02/2021	671875.488	5616443.167	671875.172	5616438.115	5.1
T_027	GBERAM0919_T_027_2021_02_06_0313.JPG	288	07:05:56	06/02/2021	672168.165	5614544.219	672151.918	5614546.246	16.4
T_027	GBERAM0919_T_027_2021_02_06_0314.JPG	289	07:06:43	06/02/2021			672161.928	5614540.899	
T_027	GBERAM0919_T_027_2021_02_06_0315.JPG	290	07:07:18	06/02/2021			672170.061	5614545.285	
T_027	GBERAM0919_T_027_2021_02_06_0316.JPG	291	07:07:51	06/02/2021			672177.385	5614546.305	
T_027	GBERAM0919_T_027_2021_02_06_0317.JPG	292	07:08:33	06/02/2021			672186.522	5614548.163	
T_027	GBERAM0919_T_027_2021_02_06_0318.JPG	293	07:08:40	06/02/2021			672185.907	5614547.475	
T_027	GBERAM0919_T_027_2021_02_06_0319.JPG	294	07:09:20	06/02/2021			672194.715	5614539.974	
T_027	GBERAM0919_T_027_2021_02_06_0320.JPG	295	07:09:55	06/02/2021			672202.818	5614543.135	
T_027	GBERAM0919_T_027_2021_02_06_0321.JPG	296	07:10:32	06/02/2021			672212.884	5614544.690	
T_027	GBERAM0919_T_027_2021_02_06_0322.JPG	297	07:11:09	06/02/2021			672221.658	5614544.645	
T_027	GBERAM0919_T_027_2021_02_06_0323.JPG	298	07:11:45	06/02/2021			672230.695	5614540.936	
T_027	GBERAM0919_T_027_2021_02_06_0324.JPG	299	07:12:38	06/02/2021			672240.239	5614541.138	
T_027	GBERAM0919_T_027_2021_02_06_0325.JPG	300	07:12:58	06/02/2021			672240.778	5614539.821	
T_027	GBERAM0919_T_027_2021_02_06_0326.JPG	301	07:14:13	06/02/2021			672248.469	5614544.748	
T_027	GBERAM0919_T_027_2021_02_06_0327.JPG	302	07:14:44	06/02/2021			672255.657	5614541.312	
T_027	GBERAM0919_T_027_2021_02_06_0328.JPG	303	07:15:25	06/02/2021			672264.721	5614541.054	
T_027	GBERAM0919_T_027_2021_02_06_0329.JPG	304	07:16:06	06/02/2021			672273.326	5614544.008	
T_027	GBERAM0919_T_027_2021_02_06_0330.JPG	305	07:16:52	06/02/2021			672284.140	5614546.479	
T_027	GBERAM0919_T_027_2021_02_06_0331.JPG	306	07:17:32	06/02/2021			672289.591	5614535.640	
T_027	GBERAM0919_T_027_2021_02_06_0332.JPG	307	07:18:13	06/02/2021	</td				

T_033	GBERAM0919_T_033_2021_02_06_0361.JPG	333	08:10:18	06/02/2021			673135.457	5613475.275	
T_033	GBERAM0919_T_033_2021_02_06_0362.JPG	334	08:10:45	06/02/2021			673144.783	5613473.580	
T_033	GBERAM0919_T_033_2021_02_06_0363.JPG	335	08:11:15	06/02/2021			673154.185	5613473.891	
T_033	GBERAM0919_T_033_2021_02_06_0364.JPG	336	08:11:44	06/02/2021			673165.149	5613476.146	
T_033	GBERAM0919_T_033_2021_02_06_0365.JPG	337	08:12:21	06/02/2021			673175.076	5613477.698	
T_033	GBERAM0919_T_033_2021_02_06_0366.JPG	338	08:12:53	06/02/2021			673184.687	5613480.242	
T_033	GBERAM0919_T_033_2021_02_06_0367.JPG	339	08:13:38	06/02/2021			673194.996	5613480.917	
T_033	GBERAM0919_T_033_2021_02_06_0368.JPG	340	08:14:11	06/02/2021			673205.041	5613481.027	
T_033	GBERAM0919_T_033_2021_02_06_0369.JPG	341	08:14:56	06/02/2021			673214.285	5613488.233	
T_033	GBERAM0919_T_033_2021_02_06_0370.JPG	342	08:15:30	06/02/2021			673226.741	5613488.200	
T_033	GBERAM0919_T_033_2021_02_06_0371.JPG	343	08:16:13	06/02/2021			673236.615	5613489.195	
T_033	GBERAM0919_T_033_2021_02_06_0372.JPG	344	08:16:53	06/02/2021			673246.545	5613490.636	
T_033	GBERAM0919_T_033_2021_02_06_0373.JPG	345	08:17:38	06/02/2021			673255.829	5613496.620	
T_033	GBERAM0919_T_033_2021_02_06_0374.JPG	346	08:19:45	06/02/2021			673272.145	5613491.150	
T_033	GBERAM0919_T_033_2021_02_06_0375.JPG	347	08:20:18	06/02/2021			673271.688	5613502.821	
T_033	GBERAM0919_T_033_2021_02_06_0376.JPG	348	08:21:01	06/02/2021	673274.564	5613499.207	673277.154	5613506.563	7.8
31	GBERAM0919_031_2021_02_06_0378.JPG	349	08:38:53	06/02/2021	671293.753	5611874.809	671286.395	5611867.874	10.1
31	GBERAM0919_031_2021_02_06_0379.JPG	350	08:39:38	06/02/2021	671293.753	5611874.809	671289.913	5611869.603	6.5
31	GBERAM0919_031_2021_02_06_0380.JPG	351	08:40:10	06/02/2021	671293.753	5611874.809	671291.588	5611865.985	9.1
31	GBERAM0919_031_2021_02_06_0381.JPG	352	08:40:44	06/02/2021	671293.753	5611874.809	671299.116	5611869.570	7.5
31	GBERAM0919_031_2021_02_06_0382.JPG	353	08:41:24	06/02/2021	671293.753	5611874.809	671298.969	5611875.130	5.2
31	GBERAM0919_031_2021_02_06_0383.JPG	354	08:41:39	06/02/2021	671293.753	5611874.809	671303.354	5611874.161	9.6
31	GBERAM0919_031_2021_02_06_0384.JPG	355	08:42:00	06/02/2021	671293.753	5611874.809	671302.540	5611875.247	8.8
31	GBERAM0919_031_2021_02_06_0385.JPG	356	08:42:29	06/02/2021	671293.753	5611874.809	671298.189	5611878.444	5.7
31	GBERAM0919_031_2021_02_06_0386.JPG	357	08:42:36	06/02/2021	671293.753	5611874.809	671295.565	5611878.580	4.2
T_031	GBERAM0919_T_031_2021_02_06_0388.JPG	358	08:56:41	06/02/2021	668294.871	5611431.480	668292.850	5611420.931	10.7
T_031	GBERAM0919_T_031_2021_02_06_0389.JPG	359	08:57:26	06/02/2021			668296.489	5611431.065	
T_031	GBERAM0919_T_031_2021_02_06_0390.JPG	360	08:58:09	06/02/2021			668298.660	5611440.594	
T_031	GBERAM0919_T_031_2021_02_06_0391.JPG	361	08:58:13	06/02/2021			668298.360	5611441.141	
T_031	GBERAM0919_T_031_2021_02_06_0392.JPG	362	08:59:03	06/02/2021			668294.014	5611453.021	
T_031	GBERAM0919_T_031_2021_02_06_0393.JPG	363	08:59:41	06/02/2021			668295.216	5611464.078	
T_031	GBERAM0919_T_031_2021_02_06_0394.JPG	364	09:00:25	06/02/2021			668297.472	5611473.165	
T_031	GBERAM0919_T_031_2021_02_06_0395.JPG	365	09:01:15	06/02/2021			668299.079	5611480.451	
T_031	GBERAM0919_T_031_2021_02_06_0396.JPG	366	09:01:52	06/02/2021			668289.922	5611490.061	
T_031	GBERAM0919_T_031_2021_02_06_0397.JPG	367	09:02:54	06/02/2021			668297.733	5611498.103	
T_031	GBERAM0919_T_031_2021_02_06_0398.JPG	368	09:03:32	06/02/2021			668297.943	5611504.787	
T_031	GBERAM0919_T_031_2021_02_06_0399.JPG	369	09:04:17	06/02/2021			668292.049	5611516.395	
T_031	GBERAM0919_T_031_2021_02_06_0400.JPG	370	09:04:54	06/02/2021			668291.327	5611527.835	
T_031	GBERAM0919_T_031_2021_02_06_0401.JPG	371	09:04:59	06/02/2021			668290.847	5611527.374	
T_031	GBERAM0919_T_031_2021_02_06_0402.JPG	372	09:05:30	06/02/2021			668294.656	5611534.397	
T_031	GBERAM0919_T_031_2021_02_06_0403.JPG	373	09:06:08	06/02/2021			668291.064	5611544.854	
T_031	GBERAM0919_T_031_2021_02_06_0404.JPG	374	09:06:16	06/02/2021			668288.602	5611546.556	
T_031	GBERAM0919_T_031_2021_02_06_0405.JPG	375	09:07:00	06/02/2021			668298.175	5611552.651	
T_031	GBERAM0919_T_031_2021_02_06_0406.JPG	376	09:07:57	06/02/2021			668302.730	5611558.473	
T_031	GBERAM0919_T_031_2021_02_06_0407.JPG	377	09:08:03	06/02/2021			668302.836	5611559.589	
T_031	GBERAM0919_T_031_2021_02_06_0408.JPG	378	09:08:35	06/02/2021			668291.445	5611568.238	
T_031	GBERAM0919_T_031_2021_02_06_0409.JPG	379	09:09:08	06/02/2021			668290.748	5611578.900	
T_031	GBERAM0919_T_031_2021_02_06_0410.JPG	380	09:10:17	06/02/2021			668295.287	5611583.052	
T_031	GBERAM0919_T_031_2021_02_06_0411.JPG	381	09:10:57	06/02/2021			668292.172	5611594.081	
T_031	GBERAM0919_T_031_2021_02_06_0412.JPG	382	09:11:11	06/02/2021	668295.629	5611581.479	668289.825	5611592.225	12.2
21	GBERAM0919_021_2021_02_06_0414.JPG	383	09:30:29	06/02/2021	668647.191	5613421.661	668643.065	5613411.102	11.3
21	GBERAM0919_021_2021_02_06_0415.JPG	384	09:31:41	06/02/2021	668647.191	5613421.661	668633.272	5613425.143	14.3
21	GBERAM0919_021_2021_02_06_0416.JPG	385	09:31:50	06/02/2021	668647.191	5613421.661	668637.292	5613423.381	10.0
21	GBERAM0919_021_2021_02_06_0417.JPG	386	09:32:43	06/02/2021	668647.191	5613421.661	668637.847	5613421.507	9.3
21	GBERAM0919_021_2021_02_06_0418.JPG	387	09:33:32	06/02/2021	668647.191	5613421.661	668651.367	5613412.593	10.0
21	GBERAM0919_021_2021_02_06_0419.JPG	388	09:34:15	06/02/2021	668647.191	5613421.661	668653.742	5613420.127	6.7

T_028	GBERAM0919_T_028_2021_02_06_0449.JPG	417	10:06:26	06/02/2021			669190.296	5613280.737	
T_028	GBERAM0919_T_028_2021_02_06_0450.JPG	418	10:06:56	06/02/2021			669202.054	5613282.564	
T_028	GBERAM0919_T_028_2021_02_06_0451.JPG	419	10:07:26	06/02/2021			669203.654	5613285.621	
T_028	GBERAM0919_T_028_2021_02_06_0452.JPG	420	10:08:16	06/02/2021			669212.189	5613293.019	
T_028	GBERAM0919_T_028_2021_02_06_0453.JPG	421	10:08:22	06/02/2021			669213.664	5613291.175	
T_028	GBERAM0919_T_028_2021_02_06_0454.JPG	422	10:09:15	06/02/2021			669224.929	5613297.327	
T_028	GBERAM0919_T_028_2021_02_06_0455.JPG	423	10:09:41	06/02/2021			669225.892	5613293.796	
T_028	GBERAM0919_T_028_2021_02_06_0456.JPG	424	10:10:17	06/02/2021			669225.730	5613305.366	
T_028	GBERAM0919_T_028_2021_02_06_0457.JPG	425	10:10:40	06/02/2021			669221.379	5613306.449	
T_028	GBERAM0919_T_028_2021_02_06_0458.JPG	426	10:10:49	06/02/2021	669216.043	5613299.523	669223.354	5613306.624	10.2
22	GBERAM0919_022_2021_02_06_0461.JPG	427	10:38:21	06/02/2021	668092.509	5613017.904	668084.780	5613013.972	8.7
22	GBERAM0919_022_2021_02_06_0462.JPG	428	10:38:33	06/02/2021	668092.509	5613017.904	668084.894	5613012.640	9.3
22	GBERAM0919_022_2021_02_06_0463.JPG	429	10:41:15	06/02/2021	668092.509	5613017.904	668104.953	5613024.859	14.3
22	GBERAM0919_022_2021_02_06_0464.JPG	430	10:42:39	06/02/2021	668092.509	5613017.904	668084.123	5613014.619	9.0
22	GBERAM0919_022_2021_02_06_0465.JPG	431	10:46:53	06/02/2021	668092.509	5613017.904	668084.089	5612998.035	21.6
22	GBERAM0919_022_2021_02_06_0466.JPG	432	10:46:59	06/02/2021	668092.509	5613017.904	668081.625	5612999.848	21.1
22	GBERAM0919_022_2021_02_06_0467.JPG	433	10:47:36	06/02/2021	668092.509	5613017.904	668084.715	5613009.407	11.5
22	GBERAM0919_022_2021_02_06_0468.JPG	434	10:47:47	06/02/2021	668092.509	5613017.904	668085.489	5613009.543	10.9
22	GBERAM0919_022_2021_02_06_0469.JPG	435	10:47:58	06/02/2021	668092.509	5613017.904	668088.024	5613007.733	11.1
22	GBERAM0919_022_2021_02_06_0470.JPG	436	10:48:12	06/02/2021	668092.509	5613017.904	668091.619	5613005.956	12.0
22	GBERAM0919_022_2021_02_06_0471.JPG	437	10:48:20	06/02/2021	668092.509	5613017.904	668095.797	5613005.868	12.5
22	GBERAM0919_022_2021_02_06_0472.JPG	438	10:49:00	06/02/2021	668092.509	5613017.904	668097.114	5613022.159	6.3
22	GBERAM0919_022_2021_02_06_0473.JPG	439	10:49:09	06/02/2021	668092.509	5613017.904	668096.039	5613022.569	5.9
22	GBERAM0919_022_2021_02_06_0474.JPG	440	10:49:26	06/02/2021	668092.509	5613017.904	668095.856	5613021.673	5.0
22	GBERAM0919_022_2021_02_06_0475.JPG	441	10:49:35	06/02/2021	668092.509	5613017.904	668092.162	5613022.111	4.2
22	GBERAM0919_022_2021_02_06_0476.JPG	442	10:49:56	06/02/2021	668092.509	5613017.904	668085.740	5613021.571	7.7
22	GBERAM0919_022_2021_02_06_0477.JPG	443	10:50:10	06/02/2021	668092.509	5613017.904	668083.562	5613021.056	9.5
T_029	GBERAM0919_T_029_2021_02_06_0479.JPG	444	11:13:24	06/02/2021	666616.028	5611915.931	666623.767	5611911.233	9.1
T_029	GBERAM0919_T_029_2021_02_06_0480.JPG	445	11:13:54	06/02/2021			666620.747	5611914.920	
T_029	GBERAM0919_T_029_2021_02_06_0481.JPG	446	11:14:36	06/02/2021			666612.846	5611914.113	
T_029	GBERAM0919_T_029_2021_02_06_0482.JPG	447	11:15:22	06/02/2021			666600.057	5611922.331	
T_029	GBERAM0919_T_029_2021_02_06_0483.JPG	448	11:15:29	06/02/2021			666599.033	5611921.130	
T_029	GBERAM0919_T_029_2021_02_06_0484.JPG	449	11:16:21	06/02/2021			666585.139	5611916.236	
T_029	GBERAM0919_T_029_2021_02_06_0485.JPG	450	11:17:03	06/02/2021			666570.885	5611916.005	
T_029	GBERAM0919_T_029_2021_02_06_0486.JPG	451	11:18:22	06/02/2021			666556.855	5611906.489	
T_029	GBERAM0919_T_029_2021_02_06_0487.JPG	452	11:22:54	06/02/2021			666554.789	5611912.489	
T_029	GBERAM0919_T_029_2021_02_06_0488.JPG	453	11:23:00	06/02/2021			666553.495	5611912.002	
T_029	GBERAM0919_T_029_2021_02_06_0489.JPG	454	11:23:31	06/02/2021			666549.924	5611916.340	
T_029	GBERAM0919_T_029_2021_02_06_0490.JPG	455	11:23:37	06/02/2021			666548.483	5611916.016	
T_029	GBERAM0919_T_029_2021_02_06_0491.JPG	456	11:24:30	06/02/2021			666539.633	5611917.237	
T_029	GBERAM0919_T_029_2021_02_06_0492.JPG	457	11:24:57	06/02/2021			666533.934	5611918.392	
T_029	GBERAM0919_T_029_2021_02_06_0493.JPG	458	11:25:20	06/02/2021			666530.133	5611917.714	
T_029	GBERAM0919_T_029_2021_02_06_0494.JPG	459	11:25:47	06/02/2021			666524.298	5611919.810	
T_029	GBERAM0919_T_029_2021_02_06_0495.JPG	460	11:26:02	06/02/2021			666522.363	5611919.471	
T_029	GBERAM0919_T_029_2021_02_06_0496.JPG	461	11:26:49	06/02/2021			666512.317	5611918.205	
T_029	GBERAM0919_T_029_2021_02_06_0497.JPG	462	11:27:58	06/02/2021			666499.683	5611914.854	
T_029	GBERAM0919_T_029_2021_02_06_0498.JPG	463	11:28:45	06/02/2021			666482.487	5611913.640	
T_029	GBERAM0919_T_029_2021_02_06_0499.JPG	464	11:30:31	06/02/2021			666467.657	5611912.612	
T_029	GBERAM0919_T_029_2021_02_06_0500.JPG	465	11:30:37	06/02/2021			666467.360	5611910.822	
T_029	GBERAM0919_T_029_2021_02_06_0501.JPG	466	11:31:41	06/02/2021			666458.341	5611902.856	
T_029	GBERAM0919_T_029_2021_02_06_0502.JPG	467	11:31:53	06/02/2021	666466.031	5611916.843	666459.741	5611901.120	16.9
23	GBERAM0919_023_2021_02_06_0504.JPG	468	11:57:43	06/02/2021	667011.353	5611655.766	667009.197	5611656.854	2.4
23	GBERAM0919_023_2021_02_06_0505.JPG	469	11:59:57	06/02/2021	667011.353	5611655.766	667022.575	5611661.287	12.5
23	GBERAM0919_023_2021_02_06_0506.JPG	470	12:01:35	06/02/2021	667011.353	5611655.766	667018.329	5611661.263	8.9
23	GBERAM0919_023_2021_02_06_0507.JPG	471	12:02:15	06/02/2021	667011.353	5611655.766	667010.573</td		

26	GBERAM0919_026_2021_02_06_0539.JPG	501	13:00:56	06/02/2021	665084.447	5608156.285	665102.892	5608151.586	19.0
26	GBERAM0919_026_2021_02_06_0540.JPG	502	13:01:48	06/02/2021	665084.447	5608156.285	665095.817	5608151.363	12.4
26	GBERAM0919_026_2021_02_06_0541.JPG	503	13:01:54	06/02/2021	665084.447	5608156.285	665096.252	5608151.043	12.9
26	GBERAM0919_026_2021_02_06_0542.JPG	504	13:03:03	06/02/2021	665084.447	5608156.285	665087.655	5608151.885	5.4
26	GBERAM0919_026_2021_02_06_0543.JPG	505	13:03:51	06/02/2021	665084.447	5608156.285	665085.691	5608151.267	5.2
26	GBERAM0919_026_2021_02_06_0544.JPG	506	13:04:38	06/02/2021	665084.447	5608156.285	665084.012	5608155.109	1.3
26	GBERAM0919_026_2021_02_06_0545.JPG	507	13:05:17	06/02/2021	665084.447	5608156.285	665090.173	5608159.644	6.6
26	GBERAM0919_026_2021_02_06_0546.JPG	508	13:05:26	06/02/2021	665084.447	5608156.285	665091.189	5608161.122	8.3
26	GBERAM0919_026_2021_02_06_0547.JPG	509	13:05:32	06/02/2021	665084.447	5608156.285	665092.452	5608161.496	9.6
27	GBERAM0919_027_2021_02_06_0549.JPG	510	13:19:31	06/02/2021	667382.075	5606777.777	667394.677	5606775.792	12.8
27	GBERAM0919_027_2021_02_06_0550.JPG	511	13:19:56	06/02/2021	667382.075	5606777.777	667394.957	5606771.460	14.3
27	GBERAM0919_027_2021_02_06_0551.JPG	512	13:20:22	06/02/2021	667382.075	5606777.777	667392.430	5606775.164	10.7
27	GBERAM0919_027_2021_02_06_0552.JPG	513	13:20:50	06/02/2021	667382.075	5606777.777	667390.172	5606774.869	8.6
27	GBERAM0919_027_2021_02_06_0553.JPG	514	13:21:33	06/02/2021	667382.075	5606777.777	667388.421	5606772.031	8.6
27	GBERAM0919_027_2021_02_06_0554.JPG	515	13:21:40	06/02/2021	667382.075	5606777.777	667387.532	5606771.001	8.7
27	GBERAM0919_027_2021_02_06_0555.JPG	516	13:22:30	06/02/2021	667382.075	5606777.777	667389.206	5606776.285	7.3
27	GBERAM0919_027_2021_02_06_0556.JPG	517	13:22:51	06/02/2021	667382.075	5606777.777	667388.109	5606779.589	6.3
27	GBERAM0919_027_2021_02_06_0557.JPG	518	13:22:55	06/02/2021	667382.075	5606777.777	667387.595	5606780.129	6.0
28	GBERAM0919_028_2021_02_06_0559.JPG	519	13:37:15	06/02/2021	669319.923	5606886.370	669310.925	5606888.257	9.2
28	GBERAM0919_028_2021_02_06_0560.JPG	520	13:37:41	06/02/2021	669319.923	5606886.370	669313.229	5606887.107	6.7
28	GBERAM0919_028_2021_02_06_0561.JPG	521	13:38:17	06/02/2021	669319.923	5606886.370	669317.979	5606884.812	2.5
28	GBERAM0919_028_2021_02_06_0562.JPG	522	13:39:26	06/02/2021	669319.923	5606886.370	669326.868	5606879.423	9.8
28	GBERAM0919_028_2021_02_06_0563.JPG	523	13:40:16	06/02/2021	669319.923	5606886.370	669328.499	5606888.156	8.8
28	GBERAM0919_028_2021_02_06_0564.JPG	524	13:40:44	06/02/2021	669319.923	5606886.370	669329.181	5606888.957	9.6
28	GBERAM0919_028_2021_02_06_0565.JPG	525	13:41:16	06/02/2021	669319.923	5606886.370	669336.436	5606888.079	16.6
T_032	GBERAM0919_T_032_2021_02_06_0567.JPG	526	14:04:42	06/02/2021	673376.225	5608445.152	673378.687	5608447.177	3.2
T_032	GBERAM0919_T_032_2021_02_06_0568.JPG	527	14:05:37	06/02/2021			673368.270	5608445.163	
T_032	GBERAM0919_T_032_2021_02_06_0569.JPG	528	14:06:34	06/02/2021			673357.270	5608445.801	
T_032	GBERAM0919_T_032_2021_02_06_0570.JPG	529	14:07:26	06/02/2021			673345.293	5608443.847	
T_032	GBERAM0919_T_032_2021_02_06_0571.JPG	530	14:08:18	06/02/2021			673334.643	5608444.608	
T_032	GBERAM0919_T_032_2021_02_06_0572.JPG	531	14:08:24	06/02/2021			673335.254	5608445.407	
T_032	GBERAM0919_T_032_2021_02_06_0573.JPG	532	14:09:26	06/02/2021			673324.476	5608441.489	
T_032	GBERAM0919_T_032_2021_02_06_0574.JPG	533	14:09:37	06/02/2021			673325.965	5608441.427	
T_032	GBERAM0919_T_032_2021_02_06_0575.JPG	534	14:10:26	06/02/2021			673315.678	5608446.207	
T_032	GBERAM0919_T_032_2021_02_06_0576.JPG	535	14:10:41	06/02/2021			673318.076	5608446.509	
T_032	GBERAM0919_T_032_2021_02_06_0577.JPG	536	14:11:41	06/02/2021			673302.287	5608446.321	
T_032	GBERAM0919_T_032_2021_02_06_0578.JPG	537	14:12:47	06/02/2021			673293.304	5608443.798	
T_032	GBERAM0919_T_032_2021_02_06_0579.JPG	538	14:12:54	06/02/2021			673295.717	5608443.655	
T_032	GBERAM0919_T_032_2021_02_06_0580.JPG	539	14:14:14	06/02/2021			673289.180	5608442.104	
T_032	GBERAM0919_T_032_2021_02_06_0581.JPG	540	14:14:33	06/02/2021			673288.945	5608440.649	
T_032	GBERAM0919_T_032_2021_02_06_0582.JPG	541	14:15:29	06/02/2021			673276.810	5608443.476	
T_032	GBERAM0919_T_032_2021_02_06_0583.JPG	542	14:16:26	06/02/2021			673265.310	5608442.094	
T_032	GBERAM0919_T_032_2021_02_06_0584.JPG	543	14:16:38	06/02/2021			673266.945	5608441.925	
T_032	GBERAM0919_T_032_2021_02_06_0585.JPG	544	14:17:29	06/02/2021			673255.336	5608448.108	
T_032	GBERAM0919_T_032_2021_02_06_0586.JPG	545	14:17:42	06/02/2021			673255.255	5608448.439	
T_032	GBERAM0919_T_032_2021_02_06_0587.JPG	546	14:18:30	06/02/2021			673245.102	5608444.876	
T_032	GBERAM0919_T_032_2021_02_06_0588.JPG	547	14:19:20	06/02/2021			673235.439	5608445.781	
T_032	GBERAM0919_T_032_2021_02_06_0589.JPG	548	14:20:13	06/02/2021			673226.050	5608444.803	
T_032	GBERAM0919_T_032_2021_02_06_0590.JPG	549	14:20:22	06/02/2021			673226.232	5608443.585	
T_032	GBERAM0919_T_032_2021_02_06_0591.JPG	550	14:21:17	06/02/2021	673226.229	5608446.186	673219.111	5608449.026	7.7
34	GBERAM0919_034_2021_02_06_0593.JPG	551	14:44:32	06/02/2021	675650.681	5609745.170	675653.599	5609742.971	3.7
34	GBERAM0919_034_2021_02_06_0594.JPG	552	14:44:53	06/02/2021	675650.681	5609745.170	675655.300	5609742.917	5.1
34	GBERAM0919_034_2021_02_06_0595.JPG	553	14:45:51	06/02/2021	675650.681	5609745.170	675660.855	5609746.219	10.2
34	GBERAM0919_034_2021_02_06_0596.JPG	554	14:46:00						

T_014	GBERAM0919_T_014_2021_02_22_0634.JPG	584	08:40:49	22/02/2021			672975.094	5623172.741	
T_014	GBERAM0919_T_014_2021_02_22_0635.JPG	585	08:41:31	22/02/2021			672984.430	5623172.383	
T_014	GBERAM0919_T_014_2021_02_22_0636.JPG	586	08:42:06	22/02/2021			672993.287	5623173.678	
T_014	GBERAM0919_T_014_2021_02_22_0637.JPG	587	08:42:35	22/02/2021			673001.122	5623173.826	
T_014	GBERAM0919_T_014_2021_02_22_0638.JPG	588	08:43:09	22/02/2021			673009.478	5623175.328	
T_014	GBERAM0919_T_014_2021_02_22_0639.JPG	589	08:43:54	22/02/2021			673019.821	5623180.790	
T_014	GBERAM0919_T_014_2021_02_22_0640.JPG	590	08:44:37	22/02/2021			673027.046	5623173.795	
T_014	GBERAM0919_T_014_2021_02_22_0641.JPG	591	08:45:08	22/02/2021			673034.965	5623169.272	
T_014	GBERAM0919_T_014_2021_02_22_0642.JPG	592	08:45:47	22/02/2021			673042.628	5623174.646	
T_014	GBERAM0919_T_014_2021_02_22_0643.JPG	593	08:45:52	22/02/2021			673044.455	5623174.929	
T_014	GBERAM0919_T_014_2021_02_22_0644.JPG	594	08:46:36	22/02/2021			673049.825	5623179.114	
T_014	GBERAM0919_T_014_2021_02_22_0645.JPG	595	08:46:40	22/02/2021			673050.757	5623178.700	
T_014	GBERAM0919_T_014_2021_02_22_0646.JPG	596	08:47:14	22/02/2021			673057.760	5623174.146	
T_014	GBERAM0919_T_014_2021_02_22_0647.JPG	597	08:47:18	22/02/2021			673058.996	5623173.074	
T_014	GBERAM0919_T_014_2021_02_22_0648.JPG	598	08:47:57	22/02/2021			673064.233	5623177.032	
T_014	GBERAM0919_T_014_2021_02_22_0649.JPG	599	08:48:01	22/02/2021			673064.869	5623179.168	
T_014	GBERAM0919_T_014_2021_02_22_0650.JPG	600	08:48:07	22/02/2021			673065.545	5623180.080	
T_014	GBERAM0919_T_014_2021_02_22_0651.JPG	601	08:48:46	22/02/2021			673070.901	5623171.911	
T_014	GBERAM0919_T_014_2021_02_22_0652.JPG	602	08:49:34	22/02/2021			673080.869	5623173.799	
T_014	GBERAM0919_T_014_2021_02_22_0653.JPG	603	08:49:37	22/02/2021			673081.678	5623172.824	
T_014	GBERAM0919_T_014_2021_02_22_0654.JPG	604	08:50:11	22/02/2021			673089.146	5623175.521	
T_014	GBERAM0919_T_014_2021_02_22_0655.JPG	605	08:50:47	22/02/2021			673097.985	5623177.372	
T_014	GBERAM0919_T_014_2021_02_22_0656.JPG	606	08:50:54	22/02/2021			673097.933	5623176.814	
T_014	GBERAM0919_T_014_2021_02_22_0657.JPG	607	08:51:42	22/02/2021			673107.160	5623173.336	
T_014	GBERAM0919_T_014_2021_02_22_0658.JPG	608	08:51:47	22/02/2021			673107.643	5623173.686	
T_014	GBERAM0919_T_014_2021_02_22_0659.JPG	609	08:52:34	22/02/2021			673117.119	5623173.332	
T_014	GBERAM0919_T_014_2021_02_22_0660.JPG	610	08:52:38	22/02/2021			673116.618	5623173.538	
T_014	GBERAM0919_T_014_2021_02_22_0661.JPG	611	08:52:43	22/02/2021			673117.361	5623172.450	
T_014	GBERAM0919_T_014_2021_02_22_0662.JPG	612	08:53:24	22/02/2021			673127.214	5623177.785	
T_014	GBERAM0919_T_014_2021_02_22_0663.JPG	613	08:53:30	22/02/2021			673126.879	5623177.218	
T_014	GBERAM0919_T_014_2021_02_22_0664.JPG	614	08:54:30	22/02/2021			673137.664	5623180.024	
T_014	GBERAM0919_T_014_2021_02_22_0665.JPG	615	08:54:35	22/02/2021			673138.585	5623179.943	
T_014	GBERAM0919_T_014_2021_02_22_0666.JPG	616	08:55:19	22/02/2021			673146.193	5623178.415	
T_014	GBERAM0919_T_014_2021_02_22_0667.JPG	617	08:55:51	22/02/2021			673155.579	5623170.156	
T_014	GBERAM0919_T_014_2021_02_22_0669.JPG	618	08:57:05	22/02/2021			673162.904	5623177.188	
T_014	GBERAM0919_T_014_2021_02_22_0670.JPG	619	08:57:42	22/02/2021	673164.931	5623172.987	673172.740	5623174.510	8.0
T_013	GBERAM0919_T_013_2021_02_22_0672.JPG	620	09:25:41	22/02/2021	671691.564	5623494.715	671678.173	5623493.421	13.5
T_013	GBERAM0919_T_013_2021_02_22_0673.JPG	621	09:25:47	22/02/2021			671679.839	5623493.253	
T_013	GBERAM0919_T_013_2021_02_22_0674.JPG	622	09:26:33	22/02/2021			671688.872	5623491.324	
T_013	GBERAM0919_T_013_2021_02_22_0675.JPG	623	09:26:38	22/02/2021			671690.377	5623489.593	
T_013	GBERAM0919_T_013_2021_02_22_0676.JPG	624	09:27:18	22/02/2021			671696.247	5623488.283	
T_013	GBERAM0919_T_013_2021_02_22_0677.JPG	625	09:27:23	22/02/2021			671696.766	5623487.521	
T_013	GBERAM0919_T_013_2021_02_22_0678.JPG	626	09:28:10	22/02/2021			671704.495	5623490.892	
T_013	GBERAM0919_T_013_2021_02_22_0679.JPG	627	09:28:15	22/02/2021			671707.038	5623490.864	
T_013	GBERAM0919_T_013_2021_02_22_0680.JPG	628	09:28:58	22/02/2021			671712.811	5623495.729	
T_013	GBERAM0919_T_013_2021_02_22_0681.JPG	629	09:29:40	22/02/2021			671724.369	5623490.043	
T_013	GBERAM0919_T_013_2021_02_22_0682.JPG	630	09:29:46	22/02/2021			671726.027	5623490.098	
T_013	GBERAM0919_T_013_2021_02_22_0683.JPG	631	09:30:36	22/02/2021			671732.797	5623494.717	
T_013	GBERAM0919_T_013_2021_02_22_0684.JPG	632	09:30:45	22/02/2021			671734.384	5623493.712	
T_013	GBERAM0919_T_013_2021_02_22_0685.JPG	633	09:31:48	22/02/2021			671743.665	5623493.906	
T_013	GBERAM0919_T_013_2021_02_22_0686.JPG	634	09:32:30	22/02/2021			671754.921	5623493.108	
T_013	GBERAM0919_T_013_2021_02_22_0687.JPG	635	09:33:14	22/02/2021			671764.071	5623487.622	
T_013	GBERAM0919_T_013_2021_02_22_0688.JPG	636	09:34:12	22/02/2021			671773.123	5623493.707	
T_013	GBERAM0919_T_013_2021_02_22_0689.JPG	637	09:35:07	22/02/2021			671782.005	5623493.165	
T_013	GBERAM0919_T_013_2021_02_22_0690.JPG	638	09:35:51	22/02/2021			671790.258	5623496.720	
T_013	GBERAM0919_T_013_2021_02_22_0691.JPG	639	09:35:56	22/02/2021			671791.013	5623497.357	
T_013	GBERAM0919_T_013_2021_02_22_0692.JPG	640	09:36:58	22/02/2021			671799.549	5623494.466	
T_013	GBERAM0919_T_013_2021_02_22_0693.JPG	641	09:37:56	22/02/2021			671808.844	5623497.443	
T_013	GBERAM0919_T_013_2021_02_22_0694.JPG	642	09:38:38	22/02/2021			671818.805	5623490.926	
T_013	GBERAM0								

T_012	GBERAM0919_T_012_2021_02_22_0722.JPG	668	10:19:59	22/02/2021			670815.542	5623637.569	
T_012	GBERAM0919_T_012_2021_02_22_0723.JPG	669	10:20:03	22/02/2021			670817.012	5623636.894	
T_012	GBERAM0919_T_012_2021_02_22_0724.JPG	670	10:20:49	22/02/2021			670824.590	5623637.309	
T_012	GBERAM0919_T_012_2021_02_22_0725.JPG	671	10:21:24	22/02/2021			670831.903	5623642.612	
T_012	GBERAM0919_T_012_2021_02_22_0726.JPG	672	10:21:30	22/02/2021			670832.357	5623641.681	
T_012	GBERAM0919_T_012_2021_02_22_0727.JPG	673	10:22:11	22/02/2021			670842.005	5623643.611	
T_012	GBERAM0919_T_012_2021_02_22_0728.JPG	674	10:22:15	22/02/2021			670842.077	5623643.557	
T_012	GBERAM0919_T_012_2021_02_22_0729.JPG	675	10:23:03	22/02/2021			670851.292	5623644.694	
T_012	GBERAM0919_T_012_2021_02_22_0730.JPG	676	10:23:09	22/02/2021			670851.364	5623644.641	
T_012	GBERAM0919_T_012_2021_02_22_0731.JPG	677	10:23:16	22/02/2021			670851.473	5623642.418	
T_012	GBERAM0919_T_012_2021_02_22_0732.JPG	678	10:24:03	22/02/2021			670859.543	5623641.848	
T_012	GBERAM0919_T_012_2021_02_22_0733.JPG	679	10:24:09	22/02/2021			670860.584	5623642.383	
T_012	GBERAM0919_T_012_2021_02_22_0734.JPG	680	10:24:52	22/02/2021			670868.016	5623645.130	
T_012	GBERAM0919_T_012_2021_02_22_0735.JPG	681	10:24:57	22/02/2021			670869.348	5623644.339	
T_012	GBERAM0919_T_012_2021_02_22_0736.JPG	682	10:25:29	22/02/2021			670877.752	5623640.051	
T_012	GBERAM0919_T_012_2021_02_22_0737.JPG	683	10:26:11	22/02/2021			670884.032	5623641.314	
T_012	GBERAM0919_T_012_2021_02_22_0738.JPG	684	10:26:17	22/02/2021			670884.998	5623643.071	
T_012	GBERAM0919_T_012_2021_02_22_0739.JPG	685	10:27:03	22/02/2021			670896.302	5623641.883	
T_012	GBERAM0919_T_012_2021_02_22_0740.JPG	686	10:27:11	22/02/2021			670897.735	5623642.319	
T_012	GBERAM0919_T_012_2021_02_22_0741.JPG	687	10:28:26	22/02/2021			670903.220	5623649.511	
T_012	GBERAM0919_T_012_2021_02_22_0742.JPG	688	10:28:31	22/02/2021			670904.140	5623648.372	
T_012	GBERAM0919_T_012_2021_02_22_0743.JPG	689	10:29:18	22/02/2021			670911.325	5623642.486	
T_012	GBERAM0919_T_012_2021_02_22_0744.JPG	690	10:30:04	22/02/2021			670918.855	5623639.004	
T_012	GBERAM0919_T_012_2021_02_22_0745.JPG	691	10:30:50	22/02/2021			670930.448	5623643.001	
T_012	GBERAM0919_T_012_2021_02_22_0746.JPG	692	10:31:30	22/02/2021			670938.969	5623645.896	
T_012	GBERAM0919_T_012_2021_02_22_0747.JPG	693	10:32:20	22/02/2021			670945.831	5623646.621	
T_012	GBERAM0919_T_012_2021_02_22_0748.JPG	694	10:32:58	22/02/2021			670954.919	5623638.683	
T_012	GBERAM0919_T_012_2021_02_22_0750.JPG	695	10:33:51	22/02/2021	670958.582	5623642.433	670963.030	5623637.947	6.3
T_015	GBERAM0919_T_015_2021_02_22_0752.JPG	696	11:00:29	22/02/2021	669348.426	5622103.105	669337.680	5622102.092	10.8
T_015	GBERAM0919_T_015_2021_02_22_0753.JPG	697	11:01:25	22/02/2021			669350.495	5622103.398	
T_015	GBERAM0919_T_015_2021_02_22_0754.JPG	698	11:01:30	22/02/2021			669350.732	5622102.626	
T_015	GBERAM0919_T_015_2021_02_22_0755.JPG	699	11:02:42	22/02/2021			669358.326	5622101.537	
T_015	GBERAM0919_T_015_2021_02_22_0756.JPG	700	11:03:39	22/02/2021			669365.355	5622096.089	
T_015	GBERAM0919_T_015_2021_02_22_0757.JPG	701	11:04:30	22/02/2021			669374.561	5622091.045	
T_015	GBERAM0919_T_015_2021_02_22_0758.JPG	702	11:04:41	22/02/2021			669374.988	5622090.948	
T_015	GBERAM0919_T_015_2021_02_22_0759.JPG	703	11:05:45	22/02/2021			669383.616	5622090.671	
T_015	GBERAM0919_T_015_2021_02_22_0760.JPG	704	11:06:45	22/02/2021			669394.290	5622090.461	
T_015	GBERAM0919_T_015_2021_02_22_0761.JPG	705	11:07:31	22/02/2021			669403.049	5622083.956	
T_015	GBERAM0919_T_015_2021_02_22_0762.JPG	706	11:08:57	22/02/2021			669410.645	5622084.982	
T_015	GBERAM0919_T_015_2021_02_22_0763.JPG	707	11:10:10	22/02/2021			669420.082	5622083.730	
T_015	GBERAM0919_T_015_2021_02_22_0764.JPG	708	11:11:23	22/02/2021			669429.541	5622079.585	
T_015	GBERAM0919_T_015_2021_02_22_0765.JPG	709	11:11:29	22/02/2021			669429.464	5622079.805	
T_015	GBERAM0919_T_015_2021_02_22_0766.JPG	710	11:12:17	22/02/2021			669439.106	5622080.897	
T_015	GBERAM0919_T_015_2021_02_22_0767.JPG	711	11:13:11	22/02/2021			669450.386	5622077.257	
T_015	GBERAM0919_T_015_2021_02_22_0768.JPG	712	11:14:40	22/02/2021			669458.254	5622078.625	
T_015	GBERAM0919_T_015_2021_02_22_0769.JPG	713	11:15:41	22/02/2021			669466.974	5622073.343	
T_015	GBERAM0919_T_015_2021_02_22_0770.JPG	714	11:16:38	22/02/2021			669472.555	5622064.621	
T_015	GBERAM0919_T_015_2021_02_22_0771.JPG	715	11:18:26	22/02/2021			669481.134	5622063.675	
T_015	GBERAM0919_T_015_2021_02_22_0773.JPG	716	11:19:22	22/02/2021			669491.154	5622070.567	
T_015	GBERAM0919_T_015_2021_02_22_0774.JPG	717	11:20:08	22/02/2021	669492.927	5622064.000	669499.703	5622066.170	7.1
T_016	GBERAM0919_T_016_2021_02_22_0776.JPG	718	11:45:05	22/02/2021	669027.302	5621279.929	669022.212	5621280.634	5.1
T_016	GBERAM0919_T_016_2021_02_22_0777.JPG	719	11:45:11	22/02/2021			669022.392	5621281.641	
T_016	GBERAM0919_T_016_2021_02_22_0778.JPG	720	11:46:10	22/02/2021			669030.579	5621275.340	
T_016	GBERAM0919_T_016_2021_02_22_0779.JPG	721	11:46:15	22/02/2021			669031.685	5621276.099	
T_016	GBERAM0919_T_016_2021_02_22_0780.JPG	722	11:47:17	22/02/2021			669040.175	5621283.386	
T_016	GBERAM0919_T_016_2021_02_22_0781.JPG	723	11:48:13	22/02/2021			669051.248	5621286.193	
T_016	GBERAM0919_T_016_2021_02_22_0782.JPG	724	11:48:24	22/02/2021			669051.767	5621286.543	
T_016	GBERAM0919_T_016_2021_02_22_0783.JPG	725	11:49:17	22/02/2021			669065.201	5621285.142	
T_016	GBERAM0919_T_016_2021_02_22_0784.JPG	726	11:49:23	22/02/2021		</td			

T_017	GBERAM0919_T_017_2021_02_22_0811.JPG	752	12:27:47	22/02/2021			669275.156	5620452.216	
T_017	GBERAM0919_T_017_2021_02_22_0812.JPG	753	12:32:32	22/02/2021	669342.109	5620295.644	669342.631	5620291.243	4.4
T_017	GBERAM0919_T_017_2021_02_22_0813.JPG	754	12:32:37	22/02/2021			669342.264	5620291.677	
T_017	GBERAM0919_T_017_2021_02_22_0814.JPG	755	12:34:08	22/02/2021			669332.729	5620298.045	
T_017	GBERAM0919_T_017_2021_02_22_0815.JPG	756	12:34:14	22/02/2021			669332.485	5620299.039	
T_017	GBERAM0919_T_017_2021_02_22_0816.JPG	757	12:35:22	22/02/2021			669329.825	5620306.966	
T_017	GBERAM0919_T_017_2021_02_22_0817.JPG	758	12:36:37	22/02/2021			669327.994	5620322.043	
T_017	GBERAM0919_T_017_2021_02_22_0818.JPG	759	12:36:54	22/02/2021			669328.325	5620322.722	
T_017	GBERAM0919_T_017_2021_02_22_0819.JPG	760	12:38:01	22/02/2021			669329.460	5620335.669	
T_017	GBERAM0919_T_017_2021_02_22_0820.JPG	761	12:38:07	22/02/2021			669328.532	5620335.972	
T_017	GBERAM0919_T_017_2021_02_22_0821.JPG	762	12:38:32	22/02/2021			669327.226	5620341.384	
T_017	GBERAM0919_T_017_2021_02_22_0822.JPG	763	12:39:11	22/02/2021			669323.831	5620350.177	
T_017	GBERAM0919_T_017_2021_02_22_0823.JPG	764	12:39:16	22/02/2021			669323.009	5620349.372	
T_017	GBERAM0919_T_017_2021_02_22_0824.JPG	765	12:39:56	22/02/2021			669318.315	5620359.013	
T_017	GBERAM0919_T_017_2021_02_22_0825.JPG	766	12:40:01	22/02/2021			669318.040	5620358.782	
T_017	GBERAM0919_T_017_2021_02_22_0827.JPG	767	12:41:13	22/02/2021			669308.944	5620364.720	
T_017	GBERAM0919_T_017_2021_02_22_0828.JPG	768	12:41:18	22/02/2021			669308.855	5620365.273	
T_017	GBERAM0919_T_017_2021_02_22_0829.JPG	769	12:42:20	22/02/2021			669305.727	5620376.747	
T_017	GBERAM0919_T_017_2021_02_22_0830.JPG	770	12:42:34	22/02/2021			669304.826	5620378.387	
T_017	GBERAM0919_T_017_2021_02_22_0831.JPG	771	12:43:53	22/02/2021			669303.027	5620392.463	
T_017	GBERAM0919_T_017_2021_02_22_0832.JPG	772	12:43:58	22/02/2021			669301.450	5620390.965	
T_017	GBERAM0919_T_017_2021_02_22_0833.JPG	773	12:45:14	22/02/2021			669300.723	5620406.857	
T_017	GBERAM0919_T_017_2021_02_22_0834.JPG	774	12:45:19	22/02/2021			669299.615	5620406.153	
T_017	GBERAM0919_T_017_2021_02_22_0835.JPG	775	12:46:08	22/02/2021			669298.460	5620417.802	
T_017	GBERAM0919_T_017_2021_02_22_0836.JPG	776	12:47:01	22/02/2021			669289.470	5620429.197	
T_017	GBERAM0919_T_017_2021_02_22_0837.JPG	777	12:47:09	22/02/2021			669288.845	5620428.842	
T_017	GBERAM0919_T_017_2021_02_22_0838.JPG	778	12:47:54	22/02/2021			669283.088	5620434.221	
T_017	GBERAM0919_T_017_2021_02_22_0839.JPG	779	12:49:07	22/02/2021			669282.469	5620446.777	
T_017	GBERAM0919_T_017_2021_02_22_0840.JPG	780	12:49:57	22/02/2021			669278.855	5620462.353	
T_017	GBERAM0919_T_017_2021_02_22_0841.JPG	781	12:51:04	22/02/2021			669270.066	5620474.088	
T_017	GBERAM0919_T_017_2021_02_22_0842.JPG	782	12:51:06	22/02/2021	669267.645	5620481.265	669269.946	5620473.416	8.2
T_011	GBERAM0919_T_011_2021_02_22_0844.JPG	783	13:25:35	22/02/2021	669718.654	5623901.515	669730.888	5623909.077	14.4
T_011	GBERAM0919_T_011_2021_02_22_0845.JPG	784	13:25:40	22/02/2021			669729.491	5623908.586	
T_011	GBERAM0919_T_011_2021_02_22_0846.JPG	785	13:26:44	22/02/2021			669714.903	5623903.326	
T_011	GBERAM0919_T_011_2021_02_22_0847.JPG	786	13:27:52	22/02/2021			669704.505	5623905.993	
T_011	GBERAM0919_T_011_2021_02_22_0848.JPG	787	13:28:04	22/02/2021			669703.147	5623906.505	
T_011	GBERAM0919_T_011_2021_02_22_0849.JPG	788	13:29:02	22/02/2021			669683.647	5623902.421	
T_011	GBERAM0919_T_011_2021_02_22_0850.JPG	789	13:29:08	22/02/2021			669683.128	5623903.183	
T_011	GBERAM0919_T_011_2021_02_22_0851.JPG	790	13:30:00	22/02/2021			669674.040	5623900.328	
T_011	GBERAM0919_T_011_2021_02_22_0852.JPG	791	13:30:06	22/02/2021			669672.640	5623899.948	
T_011	GBERAM0919_T_011_2021_02_22_0853.JPG	792	13:30:45	22/02/2021			669666.137	5623897.956	
T_011	GBERAM0919_T_011_2021_02_22_0854.JPG	793	13:30:50	22/02/2021			669666.014	5623897.396	
T_011	GBERAM0919_T_011_2021_02_22_0855.JPG	794	13:31:38	22/02/2021			669657.290	5623898.559	
T_011	GBERAM0919_T_011_2021_02_22_0856.JPG	795	13:31:42	22/02/2021			669657.238	5623898.001	
T_011	GBERAM0919_T_011_2021_02_22_0857.JPG	796	13:32:38	22/02/2021			669647.009	5623897.668	
T_011	GBERAM0919_T_011_2021_02_22_0858.JPG	797	13:32:43	22/02/2021			669645.428	5623898.507	
T_011	GBERAM0919_T_011_2021_02_22_0859.JPG	798	13:33:32	22/02/2021			669635.604	5623898.744	
T_011	GBERAM0919_T_011_2021_02_22_0860.JPG	799	13:33:37	22/02/2021			669635.199	5623898.174	
T_011	GBERAM0919_T_011_2021_02_22_0861.JPG	800	13:34:22	22/02/2021			669625.726	5623900.649	
T_011	GBERAM0919_T_011_2021_02_22_0862.JPG	801	13:34:32	22/02/2021			669624.168	5623902.935	
T_011	GBERAM0919_T_011_2021_02_22_0863.JPG	802	13:35:13	22/02/2021			669613.232	5623904.806	
T_011	GBERAM0919_T_011_2021_02_22_0864.JPG	803	13:35:16	22/02/2021			669611.577	5623905.754	
T_011	GBERAM0919_T_011_2021_02_22_0865.JPG	804	13:35:49	22/02/2021			669599.854	5623903.592	
T_011	GBERAM0919_T_011_2021_02_22_0866.JPG	805	13:35:53	22/02/2021			669599.204	5623904.016	
T_011	GBERAM0919_T_011_2021_02_22_0867.JPG	806	13:36:51	22/02/2021			669586.152	5623905.818	
T_011	GBERAM0919_T_011_2021_02_22_0868.JPG	807	13:36:59	22/02/2021			669585.577	5623906.133	
T_011	GBERAM0919_T_011_2021_02_22_0869.JPG	808	13:37:45	22/02/2021			669572.457	5623903.480	
T_011	GBERAM0919_T_011_2021_02_22_0870.JPG	809	13:37:50	22/02/2021			669571.670	5623903.789	
T_011	GBERAM0919_T_011_2021_02_22_0871.JPG	810	13:38:34	22/02/2021			669560.757	5623902.7	

T_010	GBERAM0919_T_010_2021_02_22_0899.JPG	836	14:17:06	22/02/2021			669758.957	5624435.424	
T_010	GBERAM0919_T_010_2021_02_22_0900.JPG	837	14:17:59	22/02/2021			669752.855	5624431.998	
T_010	GBERAM0919_T_010_2021_02_22_0901.JPG	838	14:18:04	22/02/2021			669752.111	5624430.972	
T_010	GBERAM0919_T_010_2021_02_22_0902.JPG	839	14:18:55	22/02/2021			669736.399	5624438.585	
T_010	GBERAM0919_T_010_2021_02_22_0903.JPG	840	14:19:44	22/02/2021			669721.292	5624440.654	
T_010	GBERAM0919_T_010_2021_02_22_0904.JPG	841	14:20:14	22/02/2021			669716.026	5624435.363	
T_010	GBERAM0919_T_010_2021_02_22_0905.JPG	842	14:20:20	22/02/2021			669715.522	5624435.680	
T_010	GBERAM0919_T_010_2021_02_22_0906.JPG	843	14:20:42	22/02/2021			669710.092	5624433.278	
T_010	GBERAM0919_T_010_2021_02_22_0907.JPG	844	14:21:26	22/02/2021			669707.039	5624435.961	
T_010	GBERAM0919_T_010_2021_02_22_0908.JPG	845	14:21:30	22/02/2021			669706.672	5624436.394	
T_010	GBERAM0919_T_010_2021_02_22_0909.JPG	846	14:21:38	22/02/2021			669703.491	5624436.513	
T_010	GBERAM0919_T_010_2021_02_22_0910.JPG	847	14:22:24	22/02/2021			669696.533	5624435.508	
T_010	GBERAM0919_T_010_2021_02_22_0911.JPG	848	14:22:30	22/02/2021			669695.438	5624436.585	
T_010	GBERAM0919_T_010_2021_02_22_0912.JPG	849	14:23:09	22/02/2021			669685.398	5624430.471	
T_010	GBERAM0919_T_010_2021_02_22_0913.JPG	850	14:23:20	22/02/2021	669688.853	5624435.931	669683.119	5624431.065	7.5
T_009	GBERAM0919_T_009_2021_02_22_0915.JPG	851	14:51:13	22/02/2021	670451.709	5624708.093	670452.448	5624710.016	2.1
T_009	GBERAM0919_T_009_2021_02_22_0916.JPG	852	14:51:17	22/02/2021			670453.408	5624708.711	
T_009	GBERAM0919_T_009_2021_02_22_0917.JPG	853	14:51:25	22/02/2021			670454.213	5624707.847	
T_009	GBERAM0919_T_009_2021_02_22_0918.JPG	854	14:52:18	22/02/2021			670450.192	5624701.261	
T_009	GBERAM0919_T_009_2021_02_22_0919.JPG	855	14:52:24	22/02/2021			670449.519	5624700.237	
T_009	GBERAM0919_T_009_2021_02_22_0920.JPG	856	14:53:17	22/02/2021			670439.411	5624711.370	
T_009	GBERAM0919_T_009_2021_02_22_0921.JPG	857	14:54:15	22/02/2021			670422.494	5624710.484	
T_009	GBERAM0919_T_009_2021_02_22_0922.JPG	858	14:54:34	22/02/2021			670424.156	5624709.314	
T_009	GBERAM0919_T_009_2021_02_22_0923.JPG	859	14:55:39	22/02/2021			670409.571	5624710.507	
T_009	GBERAM0919_T_009_2021_02_22_0924.JPG	860	14:56:23	22/02/2021			670391.105	5624713.799	
T_009	GBERAM0919_T_009_2021_02_22_0925.JPG	861	14:57:09	22/02/2021			670383.256	5624707.644	
T_009	GBERAM0919_T_009_2021_02_22_0926.JPG	862	14:58:18	22/02/2021			670369.851	5624707.317	
T_009	GBERAM0919_T_009_2021_02_22_0927.JPG	863	14:59:05	22/02/2021			670354.982	5624710.727	
T_009	GBERAM0919_T_009_2021_02_22_0928.JPG	864	14:59:42	22/02/2021			670345.045	5624701.499	
T_009	GBERAM0919_T_009_2021_02_22_0929.JPG	865	14:59:48	22/02/2021			670345.016	5624702.388	
T_009	GBERAM0919_T_009_2021_02_22_0930.JPG	866	15:01:09	22/02/2021			670335.859	5624708.211	
T_009	GBERAM0919_T_009_2021_02_22_0931.JPG	867	15:01:53	22/02/2021			670317.446	5624714.176	
T_009	GBERAM0919_T_009_2021_02_22_0932.JPG	868	15:02:24	22/02/2021			670307.856	5624707.296	
T_009	GBERAM0919_T_009_2021_02_22_0933.JPG	869	15:03:26	22/02/2021			670298.329	5624704.982	
T_009	GBERAM0919_T_009_2021_02_22_0934.JPG	870	15:04:19	22/02/2021			670283.242	5624715.063	
T_009	GBERAM0919_T_009_2021_02_22_0935.JPG	871	15:05:28	22/02/2021			670264.647	5624709.336	
T_009	GBERAM0919_T_009_2021_02_22_0936.JPG	872	15:06:47	22/02/2021			670272.960	5624701.260	
T_009	GBERAM0919_T_009_2021_02_22_0937.JPG	873	15:08:11	22/02/2021			670254.081	5624712.886	
T_009	GBERAM0919_T_009_2021_02_22_0938.JPG	874	15:08:58	22/02/2021	670251.733	5624705.007	670236.996	5624706.319	14.8
8	GBERAM0919_008_2021_02_22_0940.JPG	875	15:36:02	22/02/2021	670049.326	5625160.247	670042.584	5625172.659	14.1
8	GBERAM0919_008_2021_02_22_0941.JPG	876	15:36:06	22/02/2021	670049.326	5625160.247	670041.727	5625172.965	14.8
8	GBERAM0919_008_2021_02_22_0942.JPG	877	15:36:48	22/02/2021	670049.326	5625160.247	670037.414	5625168.817	14.7
8	GBERAM0919_008_2021_02_22_0943.JPG	878	15:37:24	22/02/2021	670049.326	5625160.247	670050.770	5625164.133	4.1
8	GBERAM0919_008_2021_02_22_0944.JPG	879	15:37:28	22/02/2021	670049.326	5625160.247	670050.191	5625164.559	4.4
8	GBERAM0919_008_2021_02_22_0945.JPG	880	15:38:24	22/02/2021	670049.326	5625160.247	670063.840	5625159.551	14.5
8	GBERAM0919_008_2021_02_22_0946.JPG	881	15:39:05	22/02/2021	670049.326	5625160.247	670064.695	5625161.471	15.4
8	GBERAM0919_008_2021_02_22_0947.JPG	882	15:39:38	22/02/2021	670049.326	5625160.247	670070.903	5625163.788	21.9
T_006	GBERAM0919_T_006_2021_02_22_0949.JPG	883	15:53:57	22/02/2021	671179.769	5625392.665	671200.552	5625400.973	22.4
T_006	GBERAM0919_T_006_2021_02_22_0950.JPG	884	15:54:46	22/02/2021			671184.538	5625398.444	
T_006	GBERAM0919_T_006_2021_02_22_0951.JPG	885	15:54:50	22/02/2021			671182.686	5625398.940	
T_006	GBERAM0919_T_006_2021_02_22_0952.JPG	886	15:55:45	22/02/2021			671178.504	5625388.674	
T_006	GBERAM0919_T_006_2021_02_22_0953.JPG	887	15:56:26	22/02/2021			671168.086	5625389.891	
T_006	GBERAM0919_T_006_2021_02_22_0954.JPG	888	15:56:49	22/02/2021			671165.070	5625393.576	
T_006	GBERAM0919_T_006_2021_02_22_0955.JPG	889	15:57:35	22/02/2021			671163.560	5625381.506	
T_006	GBERAM0919_T_006_2021_02_22_0956.JPG	890	15:58:54	22/02/2021			671154.239	5625379.419	
T_006	GBERAM0919_T_006_2021_02_22_0957.JPG	891	15:59:44	22/02/2021			671144.535	5625378.211	
T_006	GBERAM0919_T_006_2021_02_22_0958.JPG	892	16:01:17	22/02/2021			671136.985	5625371.619	
T_006	GBERAM0919_T_								

T_007	GBERAM0919_T_007_2021_02_22_0988.JPG	920	16:48:48	22/02/2021			671943.651	5625068.704	
T_007	GBERAM0919_T_007_2021_02_22_0989.JPG	921	16:49:38	22/02/2021			671937.310	5625068.273	
T_007	GBERAM0919_T_007_2021_02_22_0990.JPG	922	16:50:27	22/02/2021			671926.398	5625071.586	
T_007	GBERAM0919_T_007_2021_02_22_0991.JPG	923	16:51:38	22/02/2021			671914.454	5625065.516	
T_007	GBERAM0919_T_007_2021_02_22_0992.JPG	924	16:52:18	22/02/2021			671903.257	5625071.046	
T_007	GBERAM0919_T_007_2021_02_22_0993.JPG	925	16:53:16	22/02/2021			671894.387	5625068.082	
T_007	GBERAM0919_T_007_2021_02_22_0994.JPG	926	16:54:11	22/02/2021			671883.244	5625069.830	
T_007	GBERAM0919_T_007_2021_02_22_0995.JPG	927	16:54:50	22/02/2021			671870.381	5625068.070	
T_007	GBERAM0919_T_007_2021_02_22_0996.JPG	928	16:55:45	22/02/2021			671859.414	5625064.481	
T_007	GBERAM0919_T_007_2021_02_22_0997.JPG	929	16:56:30	22/02/2021			671847.472	5625071.211	
T_007	GBERAM0919_T_007_2021_02_22_0998.JPG	930	16:57:17	22/02/2021			671839.319	5625067.937	
T_007	GBERAM0919_T_007_2021_02_22_0999.JPG	931	16:58:44	22/02/2021			671823.001	5625070.293	
T_007	GBERAM0919_T_007_2021_02_22_1000.JPG	932	16:58:48	22/02/2021			671821.283	5625071.016	
T_007	GBERAM0919_T_007_2021_02_22_1001.JPG	933	16:59:23	22/02/2021			671809.428	5625066.507	
T_007	GBERAM0919_T_007_2021_02_22_1002.JPG	934	17:00:08	22/02/2021			671798.427	5625068.259	
T_007	GBERAM0919_T_007_2021_02_22_1003.JPG	935	17:00:13	22/02/2021			671797.172	5625067.773	
T_007	GBERAM0919_T_007_2021_02_22_1004.JPG	936	17:00:53	22/02/2021			671786.698	5625072.770	
T_007	GBERAM0919_T_007_2021_02_22_1005.JPG	937	17:01:03	22/02/2021			671783.651	5625073.115	
T_007	GBERAM0919_T_007_2021_02_22_1006.JPG	938	17:01:38	22/02/2021			671779.218	5625064.065	
T_007	GBERAM0919_T_007_2021_02_22_1007.JPG	939	17:02:16	22/02/2021	671773.888	5625069.307	671772.016	5625061.936	7.6
4	GBERAM0919_004_2021_02_22_1009.JPG	940	17:26:21	22/02/2021	672308.148	5628507.547	672309.788	5628505.508	2.6
4	GBERAM0919_004_2021_02_22_1010.JPG	941	17:26:26	22/02/2021	672308.148	5628507.547	672310.797	5628504.873	3.8
4	GBERAM0919_004_2021_02_22_1011.JPG	942	17:26:38	22/02/2021	672308.148	5628507.547	672311.654	5628504.568	4.6
4	GBERAM0919_004_2021_02_22_1012.JPG	943	17:27:45	22/02/2021	672308.148	5628507.547	672320.506	5628507.866	12.4
4	GBERAM0919_004_2021_02_22_1013.JPG	944	17:28:47	22/02/2021	672308.148	5628507.547	672325.511	5628510.146	17.6
4	GBERAM0919_004_2021_02_22_1014.JPG	945	17:32:22	22/02/2021	672308.148	5628507.547	672315.676	5628508.819	7.6
4	GBERAM0919_004_2021_02_22_1015.JPG	946	17:33:25	22/02/2021	672308.148	5628507.547	672320.919	5628512.443	13.7
4	GBERAM0919_004_2021_02_22_1016.JPG	947	17:34:10	22/02/2021	672308.148	5628507.547	672322.506	5628511.382	14.9
007(2)	GBERAM0919_007(2)_2021_02_25_1017.JPG	948	11:07:05	25/02/2021	671610.370	5625822.298	671573.454	5625817.802	37.2
007(2)	GBERAM0919_007(2)_2021_02_25_1019.JPG	949	11:08:24	25/02/2021	671610.370	5625822.298	671591.904	5625810.618	21.9
007(2)	GBERAM0919_007(2)_2021_02_25_1020.JPG	950	11:08:58	25/02/2021	671610.370	5625822.298	671600.856	5625817.479	10.7
007(2)	GBERAM0919_007(2)_2021_02_25_1021.JPG	951	11:09:31	25/02/2021	671610.370	5625822.298	671604.115	5625825.711	7.1
007(2)	GBERAM0919_007(2)_2021_02_25_1022.JPG	952	11:09:36	25/02/2021	671610.370	5625822.298	671604.337	5625825.385	6.8
007(2)	GBERAM0919_007(2)_2021_02_25_1023.JPG	953	11:10:13	25/02/2021	671610.370	5625822.298	671607.722	5625825.496	4.2
007(2)	GBERAM0919_007(2)_2021_02_25_1024.JPG	954	11:10:46	25/02/2021	671610.370	5625822.298	671612.471	5625829.214	7.2
007(2)	GBERAM0919_007(2)_2021_02_25_1025.JPG	955	11:11:23	25/02/2021	671610.370	5625822.298	671614.641	5625825.501	5.3
6	GBERAM0919_006_2021_02_25_1027.JPG	956	11:33:09	25/02/2021	669800.656	5627008.113	669791.321	5627010.454	9.6
6	GBERAM0919_006_2021_02_25_1028.JPG	957	11:33:25	25/02/2021	669800.656	5627008.113	669790.189	5627010.529	10.7
6	GBERAM0919_006_2021_02_25_1029.JPG	958	11:33:54	25/02/2021	669800.656	5627008.113	669796.070	5627014.170	7.6
6	GBERAM0919_006_2021_02_25_1030.JPG	959	11:34:30	25/02/2021	669800.656	5627008.113	669799.933	5627014.741	6.7
6	GBERAM0919_006_2021_02_25_1031.JPG	960	11:35:03	25/02/2021	669800.656	5627008.113	669797.321	5627019.108	11.5
6	GBERAM0919_006_2021_02_25_1032.JPG	961	11:35:37	25/02/2021	669800.656	5627008.113	669803.975	5627020.661	13.0
6	GBERAM0919_006_2021_02_25_1033.JPG	962	11:36:16	25/02/2021	669800.656	5627008.113	669805.638	5627017.264	10.4
5	GBERAM0919_005_2021_02_25_1035.JPG	963	11:47:15	25/02/2021	669702.179	5627597.687	669690.623	5627588.705	14.6
5	GBERAM0919_005_2021_02_25_1036.JPG	964	11:47:42	25/02/2021	669702.179	5627597.687	669693.064	5627593.905	9.9
5	GBERAM0919_005_2021_02_25_1037.JPG	965	11:48:15	25/02/2021	669702.179	5627597.687	669697.934	5627600.407	5.0
5	GBERAM0919_005_2021_02_25_1038.JPG	966	11:48:59	25/02/2021	669702.179	5627597.687	669703.646	5627602.708	5.2
5	GBERAM0919_005_2021_02_25_1039.JPG	967	11:49:35	25/02/2021	669702.179	5627597.687	669708.291	5627598.741	6.2
5	GBERAM0919_005_2021_02_25_1040.JPG	968	11:50:07	25/02/2021	669702.179	5627597.687	669712.886	5627596.331	10.8
3	GBERAM0919_003_2021_02_25_1042.JPG	969	12:02:52	25/02/2021	670224.508	5628579.392	670210.310	5628577.956	14.3
3	GBERAM0919_003_2021_02_25_1043.JPG	970	12:03:26	25/02/2021	670224.508	5628579.392	670211.631	5628574.215	13.9
3	GBERAM0919_003_2021_02_25_1044.JPG	971	12:03:29	25/02/2021	670224.508	5628579.392	670211.286	5628573.981	14.3
3	GBERAM0919_003_2021_02_25_1045.JPG	972	12:04:08	25/02/2021	670224.508	5628579.392	670213.293		

T_001	GBERAM0919_T_001_2021_02_25_1079.JPG	1003	13:00:39	25/02/2021	671813.910	5627678.626	671820.105	5627680.238	6.4
T_002	GBERAM0919_T_002_2021_02_25_1081.JPG	1004	13:23:54	25/02/2021	672262.442	5627140.129	672237.240	5627137.226	25.4
T_002	GBERAM0919_T_002_2021_02_25_1082.JPG	1005	13:24:29	25/02/2021			672253.737	5627135.656	
T_002	GBERAM0919_T_002_2021_02_25_1083.JPG	1006	13:25:05	25/02/2021			672264.426	5627132.559	
T_002	GBERAM0919_T_002_2021_02_25_1084.JPG	1007	13:25:43	25/02/2021			672276.703	5627139.087	
T_002	GBERAM0919_T_002_2021_02_25_1085.JPG	1008	13:26:22	25/02/2021			672290.311	5627133.081	
T_002	GBERAM0919_T_002_2021_02_25_1086.JPG	1009	13:27:02	25/02/2021			672301.238	5627142.012	
T_002	GBERAM0919_T_002_2021_02_25_1087.JPG	1010	13:27:34	25/02/2021			672310.594	5627134.419	
T_002	GBERAM0919_T_002_2021_02_25_1088.JPG	1011	13:28:09	25/02/2021			672321.174	5627138.887	
T_002	GBERAM0919_T_002_2021_02_25_1089.JPG	1012	13:28:45	25/02/2021			672330.375	5627144.534	
T_002	GBERAM0919_T_002_2021_02_25_1090.JPG	1013	13:29:19	25/02/2021			672341.757	5627137.564	
T_002	GBERAM0919_T_002_2021_02_25_1091.JPG	1014	13:29:47	25/02/2021			672349.616	5627138.937	
T_002	GBERAM0919_T_002_2021_02_25_1092.JPG	1015	13:30:35	25/02/2021			672363.469	5627140.508	
T_002	GBERAM0919_T_002_2021_02_25_1093.JPG	1016	13:31:18	25/02/2021			672378.525	5627137.667	
T_002	GBERAM0919_T_002_2021_02_25_1094.JPG	1017	13:32:01	25/02/2021			672385.841	5627144.810	
T_002	GBERAM0919_T_002_2021_02_25_1095.JPG	1018	13:32:34	25/02/2021			672397.739	5627137.190	
T_002	GBERAM0919_T_002_2021_02_25_1096.JPG	1019	13:33:07	25/02/2021			672407.414	5627143.408	
T_002	GBERAM0919_T_002_2021_02_25_1097.JPG	1020	13:33:44	25/02/2021			672419.738	5627144.261	
T_002	GBERAM0919_T_002_2021_02_25_1098.JPG	1021	13:34:22	25/02/2021			672435.113	5627138.203	
T_002	GBERAM0919_T_002_2021_02_25_1099.JPG	1022	13:34:59	25/02/2021			672445.238	5627147.887	
T_002	GBERAM0919_T_002_2021_02_25_1100.JPG	1023	13:35:36	25/02/2021			672452.423	5627152.577	
T_002	GBERAM0919_T_002_2021_02_25_1101.JPG	1024	13:36:04	25/02/2021			672460.300	5627149.165	
T_002	GBERAM0919_T_002_2021_02_25_1102.JPG	1025	13:36:36	25/02/2021	672462.324	5627147.003	672469.665	5627147.694	7.4
T_003	GBERAM0919_T_003_2021_02_25_1104.JPG	1026	13:58:06	25/02/2021	670353.924	5626551.480	670336.346	5626556.331	18.2
T_003	GBERAM0919_T_003_2021_02_25_1105.JPG	1027	13:59:01	25/02/2021			670351.576	5626550.374	
T_003	GBERAM0919_T_003_2021_02_25_1106.JPG	1028	13:59:33	25/02/2021			670357.823	5626547.128	
T_003	GBERAM0919_T_003_2021_02_25_1107.JPG	1029	14:00:06	25/02/2021			670364.634	5626539.559	
T_003	GBERAM0919_T_003_2021_02_25_1108.JPG	1030	14:00:37	25/02/2021			670370.575	5626532.742	
T_003	GBERAM0919_T_003_2021_02_25_1109.JPG	1031	14:01:18	25/02/2021			670380.293	5626526.938	
T_003	GBERAM0919_T_003_2021_02_25_1110.JPG	1032	14:01:48	25/02/2021			670388.347	5626522.415	
T_003	GBERAM0919_T_003_2021_02_25_1111.JPG	1033	14:02:33	25/02/2021			670398.026	5626517.834	
T_003	GBERAM0919_T_003_2021_02_25_1112.JPG	1034	14:03:08	25/02/2021			670405.627	5626514.187	
T_003	GBERAM0919_T_003_2021_02_25_1113.JPG	1035	14:03:45	25/02/2021			670412.559	5626509.406	
T_003	GBERAM0919_T_003_2021_02_25_1114.JPG	1036	14:04:27	25/02/2021			670421.727	5626505.365	
T_003	GBERAM0919_T_003_2021_02_25_1115.JPG	1037	14:05:04	25/02/2021			670429.729	5626502.399	
T_003	GBERAM0919_T_003_2021_02_25_1116.JPG	1038	14:05:46	25/02/2021			670436.689	5626494.613	
T_003	GBERAM0919_T_003_2021_02_25_1117.JPG	1039	14:06:23	25/02/2021			670444.403	5626487.519	
T_003	GBERAM0919_T_003_2021_02_25_1118.JPG	1040	14:07:06	25/02/2021			670453.979	5626483.937	
T_003	GBERAM0919_T_003_2021_02_25_1119.JPG	1041	14:07:44	25/02/2021			670462.216	5626475.970	
T_003	GBERAM0919_T_003_2021_02_25_1120.JPG	1042	14:08:26	25/02/2021			670472.340	5626470.736	
T_003	GBERAM0919_T_003_2021_02_25_1121.JPG	1043	14:08:55	25/02/2021			670479.186	5626464.282	
T_003	GBERAM0919_T_003_2021_02_25_1122.JPG	1044	14:09:35	25/02/2021			670486.063	5626459.053	
T_003	GBERAM0919_T_003_2021_02_25_1123.JPG	1045	14:10:17	25/02/2021			670492.492	5626456.704	
T_003	GBERAM0919_T_003_2021_02_25_1124.JPG	1046	14:10:50	25/02/2021			670499.020	5626451.352	
T_003	GBERAM0919_T_003_2021_02_25_1125.JPG	1047	14:11:19	25/02/2021			670506.204	5626445.355	
T_003	GBERAM0919_T_003_2021_02_25_1126.JPG	1048	14:11:54	25/02/2021			670515.670	5626438.652	
T_003	GBERAM0919_T_003_2021_02_25_1127.JPG	1049	14:12:47	25/02/2021	670519.171	5626438.814	670525.779	5626438.204	6.6
T_004	GBERAM0919_T_004_2021_02_25_1129.JPG	1050	14:41:16	25/02/2021	669600.755	5626331.435	669583.567	5626321.771	19.7
T_004	GBERAM0919_T_004_2021_02_25_1130.JPG	1051	14:42:02	25/02/2021			669596.373	5626325.193	
T_004	GBERAM0919_T_004_2021_02_25_1131.JPG	1052	14:42:33	25/02/2021			669599.219	5626328.847	
T_004	GBERAM0919_T_004_2021_02_25_1132.JPG	1053	14:43:05	25/02/2021			669606.522	5626332.201	
T_004	GBERAM0919_T_004_2021_02_25_1133.JPG	1054	14:43:39	25/02/2021			669615.913	5626329.947	
T_004	GBERAM0919_T_004_2021_02_25_1134.JPG	1055	14:44:33	25/02/2021			669630.865	5626325.981	
T_004	GBERAM0919_T_004_2021_02_25_1135.JPG	1056	14:45:17	25/02/2021			669638.582	5626331.797	
T_004	GBERAM0919_T_004_2021_02_25_1136.JPG	1057	14:45:52	25/02/2021			669646.258	5626334.496	
T_004	GBERAM0919_T_004_2021_02_25_1137.JPG	1058	14:46:23	25/02/2021			669654.065	5626333.191	
T_004	GBERAM0919_T_004_2021_02_25_1138.JPG	1059	14:46:57	25/02/2021			669663.932	5626327.169	
T_004	GBERAM0919_T_004_2021_02_25_1139.JPG	1060	14:47:42	25/					

T_005	GBERAM0919_T_005_2021_02_25_1167.JPG	1087	15:25:29	25/02/2021			669906.293	5626042.348	
T_005	GBERAM0919_T_005_2021_02_25_1168.JPG	1088	15:26:09	25/02/2021			669896.945	5626047.608	
T_005	GBERAM0919_T_005_2021_02_25_1169.JPG	1089	15:26:55	25/02/2021			669887.073	5626047.287	
T_005	GBERAM0919_T_005_2021_02_25_1170.JPG	1090	15:27:51	25/02/2021			669874.472	5626050.549	
T_005	GBERAM0919_T_005_2021_02_25_1171.JPG	1091	15:28:34	25/02/2021			669863.321	5626048.294	
T_005	GBERAM0919_T_005_2021_02_25_1172.JPG	1092	15:29:31	25/02/2021			669851.102	5626041.997	
T_005	GBERAM0919_T_005_2021_02_25_1173.JPG	1093	15:30:13	25/02/2021			669845.567	5626053.725	
T_005	GBERAM0919_T_005_2021_02_25_1174.JPG	1094	15:31:01	25/02/2021	669836.866	5626051.933	669832.673	5626061.653	10.6
T_008	GBERAM0919_T_008_2021_02_25_1176.JPG	1095	15:58:32	25/02/2021	672914.535	5624821.495	672927.791	5624819.204	13.5
T_008	GBERAM0919_T_008_2021_02_25_1177.JPG	1096	15:59:21	25/02/2021			672914.748	5624825.004	
T_008	GBERAM0919_T_008_2021_02_25_1178.JPG	1097	15:59:58	25/02/2021			672904.172	5624826.657	
T_008	GBERAM0919_T_008_2021_02_25_1179.JPG	1098	16:00:43	25/02/2021			672894.294	5624815.756	
T_008	GBERAM0919_T_008_2021_02_25_1180.JPG	1099	16:01:21	25/02/2021			672884.537	5624824.671	
T_008	GBERAM0919_T_008_2021_02_25_1181.JPG	1100	16:01:54	25/02/2021			672872.300	5624821.038	
T_008	GBERAM0919_T_008_2021_02_25_1182.JPG	1101	16:02:41	25/02/2021			672859.686	5624820.286	
T_008	GBERAM0919_T_008_2021_02_25_1183.JPG	1102	16:03:27	25/02/2021			672847.424	5624821.660	
T_008	GBERAM0919_T_008_2021_02_25_1184.JPG	1103	16:04:12	25/02/2021			672832.924	5624820.289	
T_008	GBERAM0919_T_008_2021_02_25_1185.JPG	1104	16:05:04	25/02/2021			672821.889	5624812.355	
T_008	GBERAM0919_T_008_2021_02_25_1186.JPG	1105	16:05:50	25/02/2021			672811.312	5624824.693	
T_008	GBERAM0919_T_008_2021_02_25_1187.JPG	1106	16:06:32	25/02/2021			672800.947	5624822.124	
T_008	GBERAM0919_T_008_2021_02_25_1188.JPG	1107	16:07:16	25/02/2021			672790.214	5624819.987	
T_008	GBERAM0919_T_008_2021_02_25_1189.JPG	1108	16:08:03	25/02/2021			672777.837	5624820.579	
T_008	GBERAM0919_T_008_2021_02_25_1190.JPG	1109	16:08:52	25/02/2021			672767.290	5624817.113	
T_008	GBERAM0919_T_008_2021_02_25_1191.JPG	1110	16:09:33	25/02/2021			672756.101	5624818.078	
T_008	GBERAM0919_T_008_2021_02_25_1192.JPG	1111	16:10:35	25/02/2021			672745.628	5624814.504	
T_008	GBERAM0919_T_008_2021_02_25_1193.JPG	1112	16:11:26	25/02/2021			672736.317	5624814.195	
T_008	GBERAM0919_T_008_2021_02_25_1194.JPG	1113	16:12:08	25/02/2021			672726.336	5624819.207	
T_008	GBERAM0919_T_008_2021_02_25_1195.JPG	1114	16:12:52	25/02/2021			672717.269	5624811.561	
T_008	GBERAM0919_T_008_2021_02_25_1196.JPG	1115	16:14:06	25/02/2021	672714.564	5624818.077	672707.170	5624818.016	7.4
T_034	GBERAM0919_T_034_2021_02_25_1198.JPG	1116	16:52:53	25/02/2021	679340.230	5614371.273	679357.349	5614371.952	17.1
T_034	GBERAM0919_T_034_2021_02_25_1199.JPG	1117	16:53:35	25/02/2021			679345.649	5614372.664	
T_034	GBERAM0919_T_034_2021_02_25_1200.JPG	1118	16:54:09	25/02/2021			679337.565	5614373.166	
T_034	GBERAM0919_T_034_2021_02_25_1201.JPG	1119	16:54:49	25/02/2021			679330.050	5614369.458	
T_034	GBERAM0919_T_034_2021_02_25_1202.JPG	1120	16:55:29	25/02/2021			679319.546	5614372.438	
T_034	GBERAM0919_T_034_2021_02_25_1203.JPG	1121	16:56:25	25/02/2021			679313.437	5614373.119	
T_034	GBERAM0919_T_034_2021_02_25_1204.JPG	1122	16:57:14	25/02/2021			679305.202	5614371.835	
T_034	GBERAM0919_T_034_2021_02_25_1205.JPG	1123	16:58:14	25/02/2021			679296.943	5614373.333	
T_034	GBERAM0919_T_034_2021_02_25_1206.JPG	1124	16:58:53	25/02/2021			679287.864	5614371.909	
T_034	GBERAM0919_T_034_2021_02_25_1207.JPG	1125	16:59:40	25/02/2021			679279.550	5614366.726	
T_034	GBERAM0919_T_034_2021_02_25_1208.JPG	1126	17:00:15	25/02/2021			679270.502	5614372.650	
T_034	GBERAM0919_T_034_2021_02_25_1209.JPG	1127	17:00:59	25/02/2021			679263.733	5614365.739	
T_034	GBERAM0919_T_034_2021_02_25_1210.JPG	1128	17:01:57	25/02/2021			679252.970	5614372.160	
T_034	GBERAM0919_T_034_2021_02_25_1211.JPG	1129	17:02:31	25/02/2021			679242.718	5614371.921	
T_034	GBERAM0919_T_034_2021_02_25_1212.JPG	1130	17:03:21	25/02/2021			679236.282	5614363.575	
T_034	GBERAM0919_T_034_2021_02_25_1213.JPG	1131	17:04:11	25/02/2021			679226.856	5614372.268	
T_034	GBERAM0919_T_034_2021_02_25_1214.JPG	1132	17:04:55	25/02/2021			679219.961	5614364.908	
T_034	GBERAM0919_T_034_2021_02_25_1215.JPG	1133	17:05:33	25/02/2021			679211.056	5614364.603	
T_034	GBERAM0919_T_034_2021_02_25_1216.JPG	1134	17:05:38	25/02/2021			679210.339	5614362.798	
T_034	GBERAM0919_T_034_2021_02_25_1217.JPG	1135	17:06:20	25/02/2021			679200.878	5614364.255	
T_034	GBERAM0919_T_034_2021_02_25_1218.JPG	1136	17:07:00	25/02/2021			679191.497	5614363.377	
T_034	GBERAM0919_T_034_2021_02_25_1219.JPG	1137	17:07:38	25/02/2021	679190.495	5614362.367	679185.408	5614363.502	5.2
40	GBERAM0919_040_2021_02_25_1221.JPG	1138	17:27:41	25/02/2021	683042.143	5616297.412	683056.751	5616297.045	14.6
40	GBERAM0919_040_2021_02_25_1222.JPG	1139	17:28:27	25/02/2021	683042.143	5616297.412	683048.328	5616299.199	6.4
40	GBERAM0919_040_2021_02_25_1223.JPG	1140	17:29:19	25/02/2021	683042.143	5616297.412	683042.691	5616298.557	1.3
40	GBERAM0919_040_2021_02_25_1224.JPG	1141	17:30:13	25/02/2021	683042.143	5616297.412	683035.369	5616303.644	9.2
40	GBERAM0919_040_2021_02_25_1225.JPG	1142	17:30:57	25/02/2021	683042.143	5616297.412	683030.286	5616303.354	13.3
T_037	GBERAM0919_T_037_2021_02_26_1227.JPG	1143	08:50:35	26/02/2021	684228.095	5613995.110	684248.035		

T_035	GBERAM0919_T_035_2021_02_26_1257.JPG	1171	09:56:13	26/02/2021	682774.374	5611849.110	682772.504	5611861.177	12.2
T_035	GBERAM0919_T_035_2021_02_26_1258.JPG	1172	09:56:56	26/02/2021			682773.387	5611852.080	
T_035	GBERAM0919_T_035_2021_02_26_1259.JPG	1173	09:57:48	26/02/2021			682773.148	5611842.722	
T_035	GBERAM0919_T_035_2021_02_26_1260.JPG	1174	09:59:13	26/02/2021			682769.388	5611834.799	
T_035	GBERAM0919_T_035_2021_02_26_1261.JPG	1175	10:00:03	26/02/2021			682775.384	5611827.328	
T_035	GBERAM0919_T_035_2021_02_26_1262.JPG	1176	10:01:10	26/02/2021			682780.632	5611816.937	
T_035	GBERAM0919_T_035_2021_02_26_1263.JPG	1177	10:02:00	26/02/2021			682786.660	5611812.583	
T_035	GBERAM0919_T_035_2021_02_26_1264.JPG	1178	10:02:52	26/02/2021			682792.619	5611802.105	
T_035	GBERAM0919_T_035_2021_02_26_1265.JPG	1179	10:03:35	26/02/2021			682796.772	5611794.681	
T_035	GBERAM0919_T_035_2021_02_26_1266.JPG	1180	10:04:26	26/02/2021			682800.196	5611781.777	
T_035	GBERAM0919_T_035_2021_02_26_1267.JPG	1181	10:05:10	26/02/2021			682797.992	5611773.909	
T_035	GBERAM0919_T_035_2021_02_26_1268.JPG	1182	10:06:27	26/02/2021			682796.333	5611762.609	
T_035	GBERAM0919_T_035_2021_02_26_1269.JPG	1183	10:07:26	26/02/2021			682799.869	5611754.606	
T_035	GBERAM0919_T_035_2021_02_26_1270.JPG	1184	10:08:21	26/02/2021			682804.137	5611747.965	
T_035	GBERAM0919_T_035_2021_02_26_1271.JPG	1185	10:09:15	26/02/2021			682806.773	5611739.375	
T_035	GBERAM0919_T_035_2021_02_26_1272.JPG	1186	10:09:59	26/02/2021			682808.339	5611735.089	
T_035	GBERAM0919_T_035_2021_02_26_1273.JPG	1187	10:11:07	26/02/2021			682811.080	5611725.500	
T_035	GBERAM0919_T_035_2021_02_26_1274.JPG	1188	10:11:59	26/02/2021			682814.008	5611718.701	
T_035	GBERAM0919_T_035_2021_02_26_1275.JPG	1189	10:12:49	26/02/2021			682818.047	5611710.494	
T_035	GBERAM0919_T_035_2021_02_26_1276.JPG	1190	10:13:25	26/02/2021			682817.141	5611706.010	
T_035	GBERAM0919_T_035_2021_02_26_1277.JPG	1191	10:14:21	26/02/2021	682818.842	5611705.853	682818.335	5611696.145	9.7
42	GBERAM0919_042_2021_02_26_1279.JPG	1192	10:42:28	26/02/2021	686928.148	5613469.396	686909.820	5613468.083	18.4
42	GBERAM0919_042_2021_02_26_1280.JPG	1193	10:43:46	26/02/2021	686928.148	5613469.396	686921.631	5613478.244	11.0
42	GBERAM0919_042_2021_02_26_1281.JPG	1194	10:44:36	26/02/2021	686928.148	5613469.396	686919.808	5613471.834	8.7
42	GBERAM0919_042_2021_02_26_1282.JPG	1195	10:45:25	26/02/2021	686928.148	5613469.396	686919.055	5613463.181	11.0
42	GBERAM0919_042_2021_02_26_1283.JPG	1196	10:46:12	26/02/2021	686928.148	5613469.396	686921.879	5613456.435	14.4
T_036	GBERAM0919_T_036_2021_02_26_1285.JPG	1197	11:02:52	26/02/2021	685117.167	5611886.779	685114.792	5611886.774	2.4
T_036	GBERAM0919_T_036_2021_02_26_1286.JPG	1198	11:04:17	26/02/2021			685113.487	5611875.597	
T_036	GBERAM0919_T_036_2021_02_26_1287.JPG	1199	11:04:55	26/02/2021			685114.976	5611863.516	
T_036	GBERAM0919_T_036_2021_02_26_1288.JPG	1200	11:05:38	26/02/2021			685118.469	5611850.839	
T_036	GBERAM0919_T_036_2021_02_26_1289.JPG	1201	11:06:22	26/02/2021			685119.380	5611839.072	
T_036	GBERAM0919_T_036_2021_02_26_1290.JPG	1202	11:07:05	26/02/2021			685121.836	5611827.693	
T_036	GBERAM0919_T_036_2021_02_26_1291.JPG	1203	11:07:52	26/02/2021			685121.635	5611817.334	
T_036	GBERAM0919_T_036_2021_02_26_1292.JPG	1204	11:09:27	26/02/2021			685114.914	5611797.172	
T_036	GBERAM0919_T_036_2021_02_26_1293.JPG	1205	11:10:55	26/02/2021			685129.198	5611773.633	
T_036	GBERAM0919_T_036_2021_02_26_1294.JPG	1206	11:11:47	26/02/2021			685126.825	5611762.640	
T_036	GBERAM0919_T_036_2021_02_26_1295.JPG	1207	11:12:38	26/02/2021			685132.278	5611752.592	
T_036	GBERAM0919_T_036_2021_02_26_1296.JPG	1208	11:13:30	26/02/2021			685132.490	5611742.582	
T_036	GBERAM0919_T_036_2021_02_26_1297.JPG	1209	11:14:16	26/02/2021	685136.655	5611738.051	685133.700	5611734.387	4.7
T_036	GBERAM0919_T_036_2021_02_26_1298.JPG	1210	11:17:46	26/02/2021			685126.086	5611799.570	
T_036	GBERAM0919_T_036_2021_02_26_1299.JPG	1211	11:18:22	26/02/2021			685124.837	5611792.847	
T_036	GBERAM0919_T_036_2021_02_26_1300.JPG	1212	11:19:16	26/02/2021			685129.277	5611779.424	
T_036	GBERAM0919_T_036_2021_02_26_1301.JPG	1213	11:20:53	26/02/2021			685131.158	5611810.324	
T_038	GBERAM0919_T_038_2021_02_26_1303.JPG	1214	12:23:50	26/02/2021	703232.863	5617854.164	703214.240	5617845.385	20.6
T_038	GBERAM0919_T_038_2021_02_26_1304.JPG	1215	12:24:37	26/02/2021			703226.562	5617850.540	
T_038	GBERAM0919_T_038_2021_02_26_1305.JPG	1216	12:25:26	26/02/2021			703234.338	5617853.403	
T_038	GBERAM0919_T_038_2021_02_26_1306.JPG	1217	12:26:09	26/02/2021			703243.128	5617853.856	
T_038	GBERAM0919_T_038_2021_02_26_1307.JPG	1218	12:26:54	26/02/2021			703251.761	5617852.912	
T_038	GBERAM0919_T_038_2021_02_26_1308.JPG	1219	12:27:39	26/02/2021			703262.720	5617852.169	
T_038	GBERAM0919_T_038_2021_02_26_1309.JPG	1220	12:28:32	26/02/2021			703272.740	5617850.999	
T_038	GBERAM0919_T_038_2021_02_26_1310.JPG	1221	12:29:18	26/02/2021			703283.079	5617847.115	
T_038	GBERAM0919_T_038_2021_02_26_1311.JPG	1222	12:30:10	26/02/2021			703291.190	5617852.273	
T_038	GBERAM0919_T_038_2021_02_26_1312.JPG	1223	12:31:01	26/02/2021			703300.182	5617845.720	
T_038	GBERAM0919_T_038_2021_02_26_1313.JPG	1224	12:31:51	26/02/2021			703309.704	5617852.826	
T_038	GBERAM0919_T_038_2021_02_26_1314.JPG	1225	12:32:37	26/02/2021			703317.727	5617852.081	
T_038	GBERAM0919_T_038_2021_02_26_1315.JPG	1226	12:33:30	26/02/2021			703329.773	5617848.875	
T_038	GBERAM0919_T_038_2021_02_26_1316.JPG	1227	12:34:21	26/02/2021			703338.25		

Appendix II - Video survey logs for the GBERAM0919 camera surveys

Station	Date	Video Start Time (UTC)	Video Length	Video End Time (UTC)	No. of Videos	No. of Images	Video File Name	Start Depth (m)	End Depth (m)	Camera System	Freshwater Housing Height Setting	Distance Between Laser Points (cm)	FOCI/OSPAR present (excluding reef)	Potential Annex I reef?		Notes
07	05/02/2021	08:59:10	00:43:00	09:03:40	1	8	GBERAM0919_007_2021_02_05_0015	7.5	-	Freshwater Lens	Top - oblique	10	N	Y	100% cobbles and pebbles. Poor water visibility.	
10	05/02/2021	09:16:55	00:07:36	09:24:31	1	9	GBERAM0919_010_2021_02_05_0020	12.0	-	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment. Poor water visibility.	
16	05/02/2021	09:44:55	00:05:30	09:50:25	1	9	GBERAM0919_016_2021_02_05_0030	20.8	-	Freshwater Lens	Top - oblique	10	N	N	Muddy sand / mixed sediment	
T_018	05/02/2021	10:01:55	00:19:28	10:21:23	2	35	GBERAM0919_T_018_2021_02_05_0040	19.0	19.0	Freshwater Lens	Top - oblique	10	N	N	Sand / coarse sediment with isolated rock outcrops containing Sabellaria and diverse fauna.	
T_019	05/02/2021	10:50:30	00:19:10	11:09:40	2	25	GBERAM0919_T_019_2021_02_05_0085	19.5	21.5	Freshwater Lens	Top - oblique	10	N	N	Sand/coarse sediment with a rock outcrop	
T_021	05/02/2021	11:09:40	00:08:13	11:17:53	2	14	GBERAM0919_T_019_2021_02_05_0111	19.5	-	Freshwater Lens	Top - oblique	10	N	N		
T_021	05/02/2021	12:21:30	00:16:19	12:37:49	1	24	GBERAM0919_T_021_2021_02_05_0126	22.0	23.0	Freshwater Lens	Top - oblique	10	N	Y	Sand/coarse sediment with areas of moderate relief rock	
T_020	05/02/2021	13:04:40	00:10:38	13:15:18	1	21	GBERAM0919_T_020_2021_02_05_0151	22.0	22.0	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment with occasional large boulder colonised by Pentapora	
T_022	05/02/2021	13:40:10	00:16:05	13:56:15	1	32	GBERAM0919_T_022_2021_02_05_0173	21.2	22.5	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment with sections of potential annex I reef	
T_023	05/02/2021	14:16:55	00:14:30	14:31:25	1	31	GBERAM0919_T_023_2021_02_05_0206	24.8	24.7	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment	
T_026	05/02/2021	14:53:25	00:08:10	15:01:35	1	18	GBERAM0919_T_026_2021_02_05_0238	22.5	22.5	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment consisting mostly of cobbles and pebbles	
T_025	05/02/2021	15:20:10	00:08:48	15:28:58	1	18	GBERAM0919_T_025_2021_02_05_0257	27.0	26.0	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment with large area of potential reef	
T_024	05/02/2021	15:44:30	00:19:00	16:03:30	1	35	GBERAM0919_T_024_2021_02_05_0276	28.2	23.5	Freshwater Lens	Top - oblique	10	N	Y	Potential Sabellaria reef	
T_027	06/02/2021	07:05:20	00:15:21	07:20:41	1	26	GBERAM0919_T_027_2021_02_06_0312	26	22	Freshwater Lens	Top - oblique	10	N	Y	Bedrock reef with sand veneer, Sabellaria present.	
20	06/02/2021	07:42:05	00:03:13	07:45:18	1	7	GBERAM0919_020_2021_02_06_0339	22.0	-	Freshwater Lens	Top - oblique	10	N	N	Sand	
32	06/02/2021	07:54:00	00:03:30	07:57:30	1	10	GBERAM0919_032_2021_02_06_0347	22.0	-	Freshwater Lens	Top - oblique	10	N	Y	Chalk bedrock/boulders with sand veneer. Sabellaria present.	
T_033	06/02/2021	08:08:35	00:12:19	08:20:54	1	18	GBERAM0919_T_033_2021_02_06_0358	25	25	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment / sand with small patch of bedrock	
31	06/02/2021	08:38:20	00:04:19	08:42:39	1	9	GBERAM0919_031_2021_02_06_0377	26.5	-	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment	
T_031	06/02/2021	08:56:00	00:14:53	09:10:53	1	25	GBERAM0919_T_031_2021_02_06_0387	19.8	20	Freshwater Lens	Top - oblique	10	N	Y	Bedrock dominated by Flustra and dead mans fingers.	
21	06/02/2021	09:29:50	00:08:00	09:37:50	1	11	GBERAM0919_021_2021_02_06_0413	21.0	-	Freshwater Lens	Top - oblique	10	N	Y	Rock (bedrock and boulders)	
T_028	06/02/2021	09:51:10	00:19:12	10:10:22	1	33	GBERAM0919_T_028_2021_02_06_0425	21	21	Freshwater Lens	Top - oblique	10	N	Y	Bedrock dominated by Flustra and dead mans fingers.	
22	06/02/2021	10:37:35	00:12:29	10:50:04	1	17	GBERAM0919_022_2021_02_06_0460	25.0	-	Freshwater Lens	Top - oblique	10	N	N	Muddy sand. Poor visibility.	
T_029	06/02/2021	11:12:30	00:19:11	11:31:41	1	24	GBERAM0919_T_029_2021_02_06_0478	20	16	Freshwater Lens	Top - oblique	10	N	Y	Bedrock/boulder reef	
23	06/02/2021	11:56:25	00:08:18	12:04:43	1	8	GBERAM0919_023_2021_02_06_0503	20.0	-	Freshwater Lens	Top - oblique	10	N	Y	Bedrock.	
T_030	06/02/2021	12:19:40	00:14:48	12:34:28	1	24	GBERAM0919_T_030_2021_02_06_0512	17	16	Freshwater Lens	Top - oblique	10	N	Y	Bedrock dominated by Flustra and dead mans fingers.	
26	06/02/2021	12:59:50	00:05:55	13:05:45	1	10	GBERAM0919_026_2021_02_06_0537	35.0	-	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment (cobbles/pebbles) dominated by Spirobranchus	
27	06/02/2021	13:19:45	00:03:52	13:23:37	1	9	GBERAM0919_027_2021_02_06_0548	28.0	-	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment	
28	06/02/2021	13:37:00	00:04:32	13:41:32	1	7	GBERAM0919_028_2021_02_06_0558	43.0	-	Freshwater Lens	Top - oblique	10	N	N	Sand	
T_032	06/02/2021	14:03:20	00:17:58	14:21:18	1	25	GBERAM0919_T_032_2021_02_06_0566	29	38	Freshwater Lens	Top - oblique	10	Y	Y	Cobbles dominated by Spirobranchus	
34	06/02/2021	14:43:45	00:05:34	14:49:19	1	12	GBERAM0919_034_2021_02_06_0592	38.8	-	Freshwater Lens	Top - oblique	10	N	N	Coarse sediment	
36	06/02/2021	15:13:30	00:02:55	15:16:25	1	8	GBERAM0919_036_2021_02_06_0605	23.5	-	Freshwater Lens	Top - oblique	10	N	Y	Bedrock colonised by dead mans fingers	
11	22/02/2021	08:20:55	00:03:09	08:24:04	1	9	GBERAM0919_011_2021_02_22_0619	13.9	-	Freshwater Lens	Top - oblique	10	N	N	Sand with empty shells.	
T_014	22/02/2021	08:36:40	00:19:17	08:55:57	2	38	GBERAM0919_T_014_2021_02_22_0629	15.0	15.7	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment with sections of potential annex I reef	
	22/02/2021	08:55:57	00:01:04	08:57:01	2	2	GBERAM0919_T_014_2021_02_22_0668	15.0	-	Freshwater Lens	Top - oblique	10	N			
T_013	22/02/2021	09:24:10	00:19:14	09:43:24	2	33	GBERAM0919_T_013_2021_02_22_0671	15.0	16.0	Freshwater Lens	Top - oblique	10	N	Y	Sand with empty shells. Coarse sediment with sections of potential annex I reef	
T_012	22/02/2021	10:13:25	00:19:15	10:32:40	2	37	GBERAM0919_T_012_2021_02_22_0711	15.0	14.0	Freshwater Lens	Top - oblique	10	N	Y	Sand with empty shells. Coarse sediment with sections of potential annex I reef	
	22/02/2021	10:32:40	00:00:28	10:33:08	2	1	GBERAM0919_T_012_2021_02_22_0749	15.0	-	Freshwater Lens	Top - oblique	10	N			
T_015	22/02/2021	10:59:20	00:19:08	11:18:28	2	20	GBERAM0919_T_015_2021_02_22_0751	15.8	14.3	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment with sections of potential annex I reef	
	22/02/2021	11:18:28	00:01:18	11:19:46	2	2	GBERAM0919_T_015_2021_02_22_0772	15.8	-	Freshwater Lens	Top - oblique	10	N			
T_016	22/02/2021	11:44:10	00:14:08	11:58:18	1	25	GBERAM0919_T_016_2021_02_22_0775	14.0	12.0	Freshwater Lens	Top - oblique	10	N	Y	Coarse sediment consisting mostly of cobbles and pebbles	
T_017	22/02/2021	12:20:55	00:19:10	12:40:05	2	24	GBERAM0919_T_017_2021_02_22_0801	11.0	15.2	Freshwater Lens	Top - oblique					

Appendix III - PSA and Macrobenthic survey logs for the GBERAM0919 camera surveys (Hamon)

Station I.D.	Attempt No.	Original Sample Type (as per SoW)	Sampled Type (Post-Survey)	Type	Vessel	Fix	Date	Time (UTC)	Target Latitude (DD)	Target Longitude (DD)
001	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	82	27/02/2021	16:18:11	50.792670	-0.547600
003	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	76	27/02/2021	15:56:53	50.783947	-0.585153
004	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	86	27/02/2021	16:34:09	50.782686	-0.555656
005	3	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	73	27/02/2021	15:45:17	50.775279	-0.593009
006	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	70	27/02/2021	15:38:53	50.769953	-0.591886
007	3	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	61	27/02/2021	15:07:01	50.758766	-0.566798
008	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	66	27/02/2021	15:24:09	50.753278	-0.589216
010	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	54	27/02/2021	14:33:56	50.745540	-0.569670
011	4	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	58	27/02/2021	14:50:04	50.745033	-0.546763
012	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	50	27/02/2021	14:12:43	50.732235	-0.584557
013	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	49	27/02/2021	14:00:29	50.717842	-0.579776
015	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	48	27/02/2021	13:47:49	50.707106	-0.563909
016	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	47	27/02/2021	13:33:24	50.695771	-0.583525
017	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	46	27/02/2021	13:25:20	50.689066	-0.588104
018	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	45	27/02/2021	13:13:15	50.688441	-0.554286
020	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	43	27/02/2021	12:52:19	50.664509	-0.530708
021	-	PSA/MACRO	NOT SAMPLED	-	-	-	-	-	50.648214	-0.614436
022	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	41	27/02/2021	12:19:13	50.644746	-0.622458
023	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	39	27/02/2021	12:03:54	50.632818	-0.638350
024	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	35	27/02/2021	11:41:29	50.621236	-0.663552
026	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	31	27/02/2021	11:17:47	50.601921	-0.667130
027	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	29	27/02/2021	11:00:58	50.588880	-0.635312
028	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	28	27/02/2021	10:48:24	50.589297	-0.607911
029	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	26	27/02/2021	10:35:42	50.608622	-0.620507
031	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	25	27/02/2021	10:19:18	50.633543	-0.577750
032	-	PSA/MACRO	NOT SAMPLED	-	-	-	-	-	50.648214	-0.614436
033	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	17	27/02/2021	09:29:01	50.629826	-0.519750
034	4	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	21	27/02/2021	09:52:16	50.613113	-0.517208

035	4	PSA/MACRO	NOT SAMPLED	Hamon Grab	Seren Las	799	07/12/2020	14:53:23	50.620725	-0.469652
037	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	16	27/02/2021	09:04:41	50.664180	-0.461633
038	2	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	14	27/02/2021	08:52:11	50.661244	-0.442063
039	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	12	27/02/2021	08:40:04	50.664643	-0.422738
040	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	11	27/02/2021	08:30:55	50.669705	-0.409606
041	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	7	27/02/2021	07:45:35	50.678712	-0.376365
043	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	794	07/12/2020	13:43:39	50.600701	-0.332910
044	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	792	07/12/2020	13:09:54	50.610653	-0.245921
045	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	790	07/12/2020	11:59:34	50.650005	-0.203673
047	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	788	07/12/2020	11:02:06	50.648383	-0.136320
048	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	787	07/12/2020	10:46:17	50.667891	-0.122647
049	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	789	07/12/2020	11:39:43	50.666392	-0.176281
050	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	786	07/12/2020	10:28:42	50.682133	-0.140153
052	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	785	07/12/2020	09:55:17	50.698581	-0.191793
053	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	791	07/12/2020	12:26:51	50.599591	-0.167411
054	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	793	07/12/2020	13:24:29	50.598710	-0.280070
055	1	PSA/MACRO	PSA/MACRO	Hamon Grab	Seren Las	795	07/12/2020	14:03:17	50.634296	-0.290253

Target Easting	Target Northing	Sampled Latitude (DD)	Sampled Longitude (DD)	Sampled Easting (UTM)	Sampled Northing (UTM)	Coordinate System	Distance from Target (m)	Depth (m)	Sample Volume (L)
672839.124	5629636.366	50.79224	-0.54766	672836.385	5629587.980	WGS84	48.5	2.0	-
670224.508	5628579.392	50.78401	-0.58520	670221.288	5628586.300	WGS84	7.6	3.0	2
672308.148	5628507.547	50.78263	-0.55504	672351.766	5628503.072	WGS84	43.8	3.0	-
669702.179	5627597.687	50.77530	-0.59286	669712.534	5627600.174	WGS84	10.6	3.8	3
669800.656	5627008.113	50.77028	-0.59184	669802.947	5627045.066	WGS84	37.0	5.0	-
671610.370	5625822.298	50.75879	-0.56687	671605.374	5625824.780	WGS84	5.6	8.0	-
670049.326	5625160.247	50.75344	-0.58859	670093.248	5625179.369	WGS84	47.9	9.5	
671456.193	5624345.090	50.74569	-0.56901	671502.222	5624363.516	WGS84	49.6	13.5	-
673073.933	5624342.085	50.74536	-0.54697	673058.284	5624377.900	WGS84	39.1	11.5	3
670454.321	5622831.524	50.73223	-0.58463	670449.457	5622830.288	WGS84	5.0	13.7	6
670844.067	5621242.284	50.71771	-0.57978	670844.386	5621227.215	WGS84	15.1	17.4	9
672003.259	5620085.416	50.70707	-0.56408	671991.389	5620080.801	WGS84	12.7	19.7	9
670659.606	5618779.865	50.69572	-0.58350	670661.648	5618773.778	WGS84	6.4	23.7	10
670360.552	5618023.859	50.68905	-0.58823	670351.494	5618022.132	WGS84	9.2	24.0	6
672751.217	5618032.783	50.68850	-0.55433	672748.063	5618039.532	WGS84	7.4	25.2	5
674505.223	5615427.383	50.66457	-0.53072	674504.298	5615434.452	WGS84	7.1	23.9	9
668647.191	5613421.661	-	-	-	-	WGS84	-	-	-
668092.509	5613017.904	50.64469	-0.62254	668086.902	5613011.177	WGS84	8.8	28.8	5
667011.353	5611655.766	50.63285	-0.63905	666962.016	5611658.158	WGS84	49.4	25.9	-
665269.937	5610311.627	50.62097	-0.66413	665230.034	5610280.907	WGS84	50.4	30.2	-
665084.447	5608156.285	50.60190	-0.66733	665070.604	5608153.104	WGS84	14.2	38.4	7
667382.075	5606777.777	50.58882	-0.63529	667384.198	5606770.932	WGS84	7.2	32.0	7
669319.923	5606886.370	50.58926	-0.60814	669303.884	5606881.655	WGS84	16.7	46.0	7
668359.414	5609006.159	50.60858	-0.62041	668366.389	5609001.472	WGS84	8.4	35.5	5
671293.753	5611874.809	50.63349	-0.57844	671245.465	5611866.959	WGS84	48.9	28.2	-
668647.191	5613421.661	-	-	-	-	WGS84	-	-	-
675408.651	5611597.298	50.62992	-0.51982	675403.040	5611607.327	WGS84	11.5	33.6	7
675650.681	5609745.170	50.61342	-0.51671	675684.610	5609780.950	WGS84	49.3	40.0	4

678985.830	5610705.343	50.62110	-0.46996	678962.488	5610746.227	WGS84	47.1	28.0	-
679387.410	5615555.850	50.66413	-0.46168	679384.063	5615550.351	WGS84	6.4	29.6	6
680781.522	5615277.057	50.66124	-0.44204	680782.801	5615276.182	WGS84	1.5	26.0	6
682133.975	5615702.241	50.66470	-0.42269	682137.285	5615708.616	WGS84	7.2	27.5	9
683042.143	5616297.412	50.66975	-0.40959	683043.065	5616302.350	WGS84	5.0	24.0	5
685355.195	5617381.485	50.67877	-0.37621	685365.938	5617387.994	WGS84	12.6	24.6	7
688737.204	5608818.496	50.60071	-0.33272	688750.556	5608819.393	WGS84	13.4	68.4	10
694850.936	5610150.006	50.61068	-0.24572	694864.927	5610153.574	WGS84	14.4	60.0	10
697674.347	5614636.778	50.65013	-0.20353	697684.157	5614651.085	WGS84	17.3	56.0	6
702441.750	5614638.419	50.64853	-0.13611	702455.801	5614655.032	WGS84	21.8	49.0	6
703323.919	5616844.549	50.66804	-0.12255	703330.337	5616861.142	WGS84	17.8	49.5	9
699540.872	5616532.060	50.66651	-0.17614	699550.681	5616545.130	WGS84	16.3	40.0	8
702025.913	5618379.953	50.68212	-0.14015	702026.412	5618378.930	WGS84	1.1	30.0	10
698309.106	5620068.822	50.69852	-0.19161	698322.516	5620062.790	WGS84	14.7	26.0	6
700451.696	5609129.645	50.59956	-0.16724	700464.199	5609126.837	WGS84	12.8	59.1	10
692484.029	5608733.064	50.59872	-0.27992	692494.616	5608734.585	WGS84	10.7	61.0	9
691618.762	5612662.818	50.63434	-0.29011	691628.371	5612668.366	WGS84	11.1	48.5	10

Sediment Description (Folk)	Photo of Released Sample Taken	Photo of Sieved Sample Taken	Macro Obtained (Y/N)	DDC Required? (Y/N)	Notes
-	-	-	-	-	Three attempts failed due to cobbles/pebbles in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.
Gravel (G)	Y	Y	Y	N	2L accepted from second attempt after 4 failed attempts.
-	-	-	-	-	Three attempts failed due to cobbles in jaw. Fourth attempt moved 50m away. Station abandoned.
Gravel (G)	Y	Y	Y	N	First two attempts failed due to cobble in jaws. 3L accepted from third attempt after 4 attempts.
-	-	-	-	-	Three attempts failed due to cobbles in jaw. Fourth attempt moved 50m away. Station abandoned.
-	-	-	-	-	Three attempts <2L. Fourth attempt moved 50m away. Station abandoned.
-	-	-	-	-	Three attempts <2L. Fourth attempt moved 50m away. Station abandoned.
-	-	-	-	-	Three attempts <3L. Fourth attempt moved 50m away. Station abandoned.
Muddy Sandy Gravel (msG)	Y	Y	Y	N	Three attempts <2L. Fourth attempt moved 50m away. 3L accepted.
Sandy Mud (sM)	Y	Y	Y	N	
Sand (S)	Y	Y	Y	N	
Sand (S)	Y	Y	Y	N	
Gravelly Sand	Y	Y	Y	N	
Muddy Gravelly Sand (mgS)	Y	Y	Y	N	
Muddy Gravelly Sand (mgS)	Y	Y	Y	N	First attempt no sample.
Sand (S)	Y	Y	Y	N	
-	-	-	-	-	Removed from scope following DDC.
Gravelly Sand (sG)	Y	Y	Y	N	
-	-	-	-	-	Three attempts <2L. Fourth attempt moved 50m away. Station abandoned.
-	-	-	-	-	Three attempts <2L. Fourth attempt moved 50m away. Station abandoned.
Gravelly Sand (sG)	Y	Y	Y	Y	First attempt no sample.
Gravelly Sand (sG)	Y	Y	Y	N	
Gravelly Sand (sG)	Y	Y	Y	N	
Sandy Gravel (sG)	Y	Y	Y	N	
-	-	-	-	-	Three attempts <2L. Fourth attempt moved 50m away. Station abandoned.
-	-	-	-	-	Removed from scope following DDC.
Gravelly Sand (gS)	Y	Y	Y	N	
Muddy Gravelly Sand (mgS)	Y	Y	Y	N	Three attempts <3L. Fourth attempt moved 50m away. 4L accepted.

-	-	-	-	-	Three attempts failed due to cobbles in jaw. Fourth attempt moved 50m away. Station abandoned.
Muddy Gravelly Sand (mgS)	Y	Y	Y	Y	First Attempt failed - cobble in jaw.
Gravelly Sand (gS)	Y	Y	Y	N	
Sand (S)	Y	Y	Y	N	
Muddy Gravelly Sand (mgS)	Y	Y	Y	Y	
Gravelly Muddy Sand (gmS)	Y	Y	Y	N	
Gravelly Sand (gS)	Y	Y	Y	N	
Sand (S)	Y	Y	Y	N	
Sandy Mud (sM)	Y	Y	Y	N	Compact clay with sandy mud
Sandy Mud (sM)	Y	Y	Y	N	
Sandy Gravel (sG)	Y	Y	Y	N	
Gravelly Sandy Mud (gsM)	Y	Y	Y	N	
Gravelly Sand (gS)	Y	Y	Y	N	
Sandy Gravel (sG)	Y	Y	Y	N	
Sand (S)	Y	Y	Y	N	
Gravelly Sand (gS)	Y	Y	Y	N	
Gravelly Sand (gS)	Y	Y	Y	N	

Appendix IV - Chemical sampling survey logs for the GBERAM0919 camera surveys (Day)

Station I.D.	Attempt No.	Original Sample Type (as per SoW)	Sampled Type (Post-Survey)	Type	Vessel	Fix	Date	Time (UTC)	Target Latitude (DD)	Target Longitude (DD)
1	4	Chemical - HM, HCA, HCB	NOT SAMPLED	Hamon Grab	Seren Las	82	27/02/2021	16:18:11	50.792670	-0.547600
2	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	833	08/12/2020	14:15:30	50.791019	-0.567676
8	4	Chemical - HM, HCA, HCB	NOT SAMPLED	Hamon Grab	Seren Las	66	27/02/2021	15:24:09	50.753278	-0.589216
9	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	829	08/12/2020	13:52:11	50.745578	-0.584992
14	1	Chemical - HM, HCA, HCB, MMO	Chemical - PSA ,HM, HCA, HCB, MMO	Day Grab	Seren Las	825	08/12/2020	13:26:36	50.709613	-0.589022
19	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	824	08/12/2020	13:07:22	50.682345	-0.530636
20	1	Chemical - HM, HCA, HCB	Chemical - HM, HCA, HCB	Hamon Grab	Seren Las	42	27/02/2021	12:49:16	50.664509	-0.530708
25	4	Chemical - HM, HCA, HCB, MMO	Chemical - PSA, HM, HCA, HCB, MMO	Day Grab	Seren Las	820	08/12/2020	12:20:54	50.605971	-0.668134
30	4	Chemical - HM, HCA, HCB, MMO	Chemical - PSA, HM, HCA, HCB, MMO	Day Grab	Seren Las	816	08/12/2020	11:44:42	50.621232	-0.600524
36	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	812	08/12/2020	10:59:28	50.640141	-0.449045
42	3	Chemical - HM, HCA, HCB	Chemical - PSA, HM, HCA, HCB	Hamon Grab	Seren Las	10	27/02/2021	08:11:08	50.643065	-0.356101
42	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	808	08/12/2020	10:28:38	50.643065	-0.356101
46	1	Chemical - HM, HCA, HCB, MMO	Chemical - PSA, HM, HCA, HCB, MMO	Day Grab	Seren Las	804	08/12/2020	09:32:30	50.622721	-0.159578
51	4	Chemical - HM, HCA, HCB, MMO	NOT SAMPLED	Day Grab	Seren Las	803	08/12/2020	09:01:44	50.692151	-0.163778
51(2)	4	Chemical - HM, HCA, HCB	Chemical - PSA, HM, HCA, HCB	Hamon Grab	Seren Las	6	26/02/2021	16:01:53	50.692151	-0.163778

Target Easting	Target Northing	Sampled Latitude (DD)	Sampled Longitude (DD)	Sampled Easting	Sampled Northing	Coordinate System	Distance from Target (m)	Depth (m)	Sample Volume (L)	Sediment Description (Folk)	Photo of Sample Taken
672839.124	5629636.366	50.792236	-0.547662	672836.385	5629587.980	WGS84	48.5	2	-	-	N
671430.432	5629406.066	50.791288	-0.568015	671405.602	5629435.192	WGS84	38.3	4.5	-	Cobble	N
670049.326	5625160.247	50.753436	-0.588585	670093.248	5625179.369	WGS84	47.9	9.5	-	-	N
670375.199	5624313.900	50.745520	-0.584384	670418.321	5624308.927	WGS84	43.4	16.5	-	Cobble	N
670221.289	5620306.096	50.709646	-0.588934	670227.345	5620310.037	WGS84	7.2	17.5	7	Gravelly Sand (gS)	Y
674444.119	5617410.438	50.682356	-0.529994	674489.476	5617413.154	WGS84	45.4	21.5	-	Sandy Gravel (sG)	N
674505.223	5615427.383	50.664583	-0.530901	674491.271	5615435.159	WGS84	16.0	23.6	6	Sand	Y
664999.260	5608604.306	50.605855	-0.667480	665045.973	5608592.799	WGS84	48.1	35	7	Gravel (G)	Y
669727.728	5610453.632	50.621335	-0.599853	669774.858	5610466.658	WGS84	48.9	34	6	Gravelly Sand (gS)	Y
680368.913	5612913.850	50.640359	-0.448497	680406.848	5612939.424	WGS84	45.7	22	-	Bedrock / Cobble	N
686928.148	5613469.396	50.643077	-0.356052	686931.602	5613470.830	WGS84	3.7	28.6	6	Muddy Gravelly Sand (mgS)	Y
686928.148	5613469.396	50.642816	-0.356460	686903.763	5613440.764	WGS84	37.6	28	-	Cobble	N
700907.289	5611722.275	50.622576	-0.159728	700897.333	5611705.719	WGS84	19.3	51.5	9	Sand (S)	Y
700314.542	5619429.391	50.692046	-0.162927	700375.063	5619420.019	WGS84	61.2	26.5	-	Sandy Gravel (sG)	N
700314.542	5619429.391	50.692161	-0.164477	700265.121	5619428.615	WGS84	49.4	25	3	Sandy Gravel (sG)	Y

Notes	Field Assessment re: cobble reef
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Possible cobble reef / chalk reef - chalk fragments and small cobbles, no fine sediment.
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Possible cobble reef - numerous cobbles with some sand.
Gravelly sand, no obvious anoxia. No obvious contaminants.	
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Coarse sediment - few cobble, mostly gravel, pebble and sand.
Fourth attempt 50m from target due to coarse ground. Accepted final attempt. Very coarse, no obvious anoxia. No obvious contaminants.	NB - indicative of cobble reef but retained viable sample on 4th attempt. Query lab analysis viability due to very little fine sediment.
Fourth attempt 50m from target due to coarse ground. Accepted final attempt. No obvious anoxia. No obvious contaminants.	
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Potential bedrock / cobble reef - no fine sediment and hydroid / bryozoan tufts sampled. Fishing pots laid in close proximity suggesting hard ground.
Two Attempts failed. <2L.	Mostly gravel / coarse sediment.
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Potential cobble reef - numerous small cobbles, no fine sediment.
Clean medium sand, anoxia at approx' 3cm depth. No obvious contaminants.	
Three attempts failed due to stones in jaw and washout. Fourth taken 50m away, also washed out. Station abandoned.	Coarse sediment - few cobble, mostly gravel, pebble and sand.
Three attempts failed as <2L samples. Fourth taken 50m away,	Coarse sediment - few cobble, mostly gravel, pebble and sand.

Appendix V - Raw Sediment Particle Size Distribution Dataset

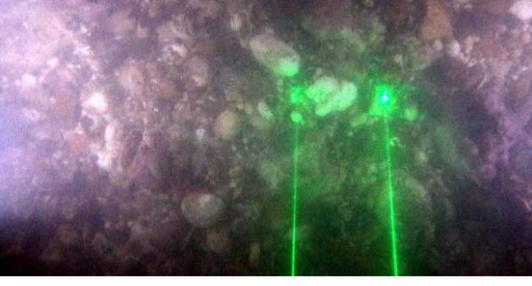
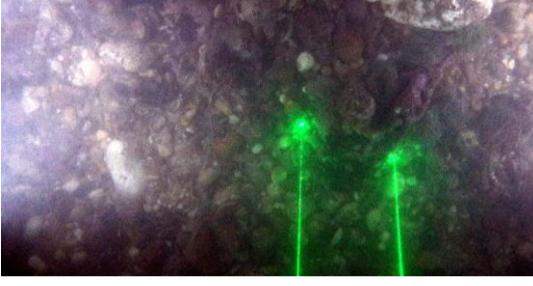
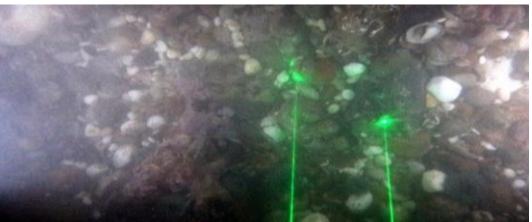
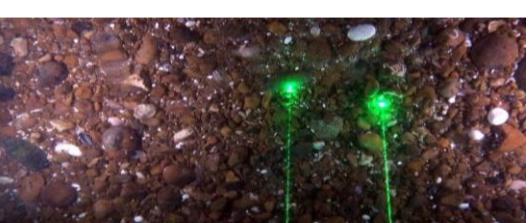
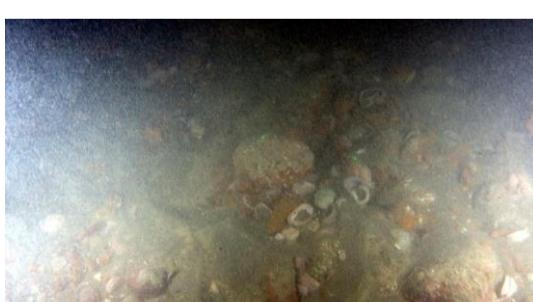
Aperture (microns)	3	5	11	12	13	14	15	16	17	18	20	22	25	26	27	28
63000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45000.000	10.999	30.558	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.470	1.863	0.000	0.000	0.000
31500.000	11.985	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.999	0.000	25.279	8.354	1.757	10.347	0.317	
22400.000	5.227	16.222	7.443	0.000	0.000	6.239	0.000	0.000	0.000	3.427	0.000	9.160	2.370	0.563	0.000	0.000
16000.000	21.526	6.808	8.391	0.000	0.842	2.800	0.000	0.000	2.962	9.123	0.080	7.638	4.035	0.485	5.611	0.000
11200.000	12.405	6.670	7.141	0.000	0.000	2.629	0.233	1.135	3.031	1.394	0.755	9.137	3.712	0.825	4.356	2.897
8000.000	9.449	5.908	5.048	0.000	0.000	1.353	0.165	0.156	4.399	2.121	1.430	6.070	4.318	0.929	6.495	3.379
5600.000	4.594	3.287	4.279	0.000	0.081	1.109	0.460	0.490	3.440	2.025	2.225	3.133	4.790	83.843	6.355	2.988
4000.000	2.686	3.004	2.866	0.000	0.155	1.494	1.186	0.590	3.862	1.568	1.974	2.126	4.711	0.737	5.264	2.575
2800.000	1.956	2.425	1.911	0.000	0.301	1.614	2.260	1.285	3.552	1.240	1.726	1.580	4.035	0.677	3.676	1.611
2000.000	1.292	1.850	1.399	0.000	0.486	1.522	3.551	1.613	2.866	1.046	2.057	0.917	2.765	0.510	2.231	1.100
1400.000	0.973	1.690	1.188	0.000	0.682	1.443	4.460	2.085	2.790	1.036	2.358	0.814	2.151	0.423	1.551	0.962
1000.000	0.539	1.027	0.764	0.000	0.785	1.335	4.470	2.473	2.409	1.024	2.332	0.646	1.904	0.394	1.257	0.810
707.000	0.000	0.723	0.000	0.000	2.153	2.879	10.722	7.245	3.661	2.561	6.019	1.136	2.345	0.731	3.758	1.205
500.000	0.025	0.968	0.000	0.000	5.432	6.301	15.975	12.274	5.365	4.117	9.988	1.670	4.129	0.795	9.875	4.886
353.600	1.170	2.733	0.299	0.000	12.323	13.634	24.667	20.425	9.145	9.660	22.321	4.512	6.869	1.308	18.591	12.602
250.000	2.068	3.974	4.099	0.211	23.207	17.155	19.621	24.427	14.142	16.841	28.067	10.972	6.132	1.206	13.811	29.475
176.800	2.352	1.763	4.472	5.495	29.597	18.782	7.098	16.151	16.314	15.418	14.518	9.897	2.746	0.600	4.259	21.023
125.000	2.707	1.207	4.991	5.635	15.235	9.560	2.295	4.803	9.857	6.184	2.550	2.393	2.303	0.499	1.211	4.828
88.390	1.444	0.617	1.265	0.766	2.947	2.249	0.830	1.065	2.187	0.958	0.449	0.385	1.311	0.254	0.229	0.951
62.500	0.861	0.211	1.374	0.038	0.959	1.111	0.311	0.478	0.735	0.230	0.239	0.267	0.711	0.127	0.008	0.220
44.190	0.655	0.576	4.176	1.085	0.723	0.921	0.246	0.414	1.010	0.473	0.113	0.216	0.959	0.122	0.069	0.612
31.250	0.539	0.534	4.154	5.251	0.547	0.690	0.184	0.346	0.882	0.502	0.079	0.155	0.793	0.102	0.060	0.460
22.097	0.564	0.677	4.445	7.455	0.540	0.798	0.174	0.360	0.863	0.570	0.067	0.198	0.897	0.117	0.077	0.614
15.625	0.559	0.768	4.203	7.820	0.455	0.685	0.160	0.319	0.933	0.657	0.069	0.204	1.046	0.143	0.089	0.722
11.049	0.611	0.830	3.772	7.063	0.454	0.715	0.158	0.333	1.048	0.869	0.056	0.207	1.104	0.165	0.123	0.845
7.813	0.615	0.945	3.788	7.610	0.408	0.691	0.129	0.316	1.061	1.022	0.039	0.244	1.218	0.177	0.146	1.016
5.524	0.544	0.963	3.879	8.743	0.338	0.607	0.101	0.270	0.975	1.039	0.028	0.262	1.263	0.172	0.140	1.087
3.906	0.408	0.798	3.447	8.473	0.255	0.475	0.076	0.203	0.777	0.895	0.022	0.224	1.066	0.140	0.109	0.903
2.762	0.270	0.546	2.609	6.662	0.184	0.320	0.057	0.140	0.550	0.672	0.023	0.153	0.729	0.095	0.071	0.564
1.953	0.172	0.352	1.855	5.129	0.142	0.209	0.047	0.099	0.344	0.437	0.029	0.099	0.430	0.056	0.044	0.332
1.381	0.130	0.275	1.475	4.634	0.133	0.173	0.047	0.087	0.211	0.266	0.039	0.082	0.279	0.035	0.036	0.286
0.977	0.119	0.247	1.246	4.175	0.131	0.157	0.051	0.084	0.142	0.169	0.049	0.074	0.221	0.027	0.035	0.269
0.691	0.114	0.216	1.026	3.451	0.120	0.127	0.052	0.077	0.111	0.120	0.054	0.059	0.191	0.025	0.031	0.204
0.488	0.106	0.180	0.832	2.803	0.104	0.091	0.050	0.067	0.094	0.094	0.054	0.041	0.167	0.023	0.025	0.128
0.345	0.095	0.144	0.671	2.308	0.085	0.059	0.045	0.056	0.080	0.075	0.051	0.026	0.142	0.021	0.019	0.070
0.244	0.081	0.111	0.535	1.876	0.068	0.036	0.039	0.045	0.067	0.060	0.045	0.015	0.117	0.018	0.015	0.035
0.173	0.064	0.081	0.399	1.401	0.052	0.019	0.031	0.035	0.053	0.046	0.037	0.007	0.089	0.015	0.010	0.014
0.122	0.050	0.059	0.294	1.020	0.039	0.011	0.025	0.026	0.040	0.034	0.029	0.003	0.067	0.011	0.007	0.006
0.086	0.032	0.036	0.183	0.625	0.026	0.005	0.017	0.017	0.026	0.022	0.020	0.001	0.042	0.007	0.005	0.002
	0.015	0.017	0.082	0.272	0.014	0.002	0.009	0.010	0.012	0.010	0.011	0.000	0.019	0.003	0.003	0.001

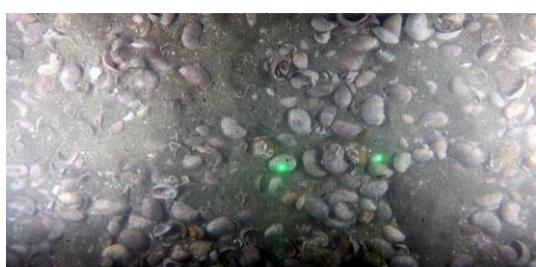
29	30	33	34	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.038	0.000	0.000	0.000	0.000	0.000	12.770	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.279	0.000	6.265	1.133	7.703	0.000	0.000	9.653	0.000	3.848	0.000	0.000	0.000	0.000	0.000	7.132	0.000	0.000	0.000	17.992	0.000	0.000	0.000
5.643	0.000	0.000	0.000	2.981	13.228	0.000	8.089	0.000	2.331	0.000	0.000	5.661	0.000	0.000	0.000	0.000	0.000	6.150	0.000	0.000	0.000	0.000
18.889	3.669	2.547	2.405	7.271	19.216	0.000	3.508	0.000	5.858	0.000	0.000	0.000	0.000	0.000	0.701	0.000	0.000	3.211	1.249	0.000	0.000	0.000
5.776	5.067	3.193	7.673	19.405	16.551	0.855	1.816	0.000	6.734	0.111	0.000	0.000	0.000	1.561	1.286	0.000	0.000	6.043	0.510	0.000	0.000	0.048
4.517	6.266	2.584	8.581	12.650	7.680	0.476	2.845	0.647	3.396	0.431	0.268	1.004	0.000	0.000	2.848	0.023	0.118	4.121	0.494	0.075	0.491	0.064
8.188	7.841	3.418	2.676	9.515	7.924	0.445	2.336	0.491	2.121	1.170	0.255	0.898	0.000	0.565	1.307	0.110	0.104	2.358	0.680	0.080	1.294	0.107
6.037	6.534	1.404	3.204	4.848	5.225	0.300	1.522	0.616	2.609	1.293	0.300	0.262	0.000	0.062	1.207	0.190	0.135	1.810	0.827	0.129	1.501	83.801
4.103	5.761	1.078	5.516	3.687	3.532	0.276	1.130	1.299	2.364	0.754	0.598	0.346	0.000	0.019	0.946	0.127	0.126	1.551	0.902	0.114	1.323	0.058
3.452	4.192	1.112	4.527	2.513	1.870	0.247	1.028	1.608	2.330	0.447	0.727	0.262	0.000	0.014	1.272	0.108	0.134	1.409	1.041	0.053	1.408	0.031
2.780	2.569	1.062	3.829	1.179	1.185	0.200	1.061	1.665	2.742	0.468	1.053	0.341	0.596	0.029	2.209	0.113	0.183	1.397	1.504	0.071	1.003	0.025
2.328	1.745	0.943	3.503	0.624	0.765	0.253	1.100	1.575	2.863	0.624	0.921	0.319	0.482	0.010	2.499	0.095	0.162	1.438	1.743	0.101	0.541	0.016
3.280	2.821	2.326	4.157	0.184	0.571	1.960	2.203	2.882	4.854	1.344	2.213	1.275	0.130	0.000	0.968	0.001	1.340	2.142	3.747	0.482	1.106	0.239
5.047	4.997	4.528	5.085	1.098	1.077	2.961	4.742	9.596	6.356	14.953	7.256	7.417	10.731	0.302	4.517	3.175	10.075	3.779	5.568	17.841	3.744	2.601
7.765	13.135	12.889	7.618	2.965	1.800	15.420	11.567	21.665	10.191	40.396	29.999	20.788	42.000	6.470	13.800	29.087	39.570	11.210	12.069	49.454	19.537	6.928
7.461	17.250	27.096	10.957	6.073	4.275	35.701	19.426	25.813	12.004	31.827	39.710	21.863	33.520	10.851	17.716	26.664	35.681	21.385	22.433	29.600	36.043	5.265
3.200	9.215	17.146	9.594	6.196	7.471	30.616	15.374	15.721	7.044	6.168	15.770	11.933	6.040	14.250	10.310	3.079	7.442	16.978	18.355	2.000	20.915	0.818
1.295	2.937	3.753	5.054	3.170	4.823	7.922	3.609	4.428	2.228	0.015	0.786	4.369	1.124	17.514	3.766	2.893	1.479	5.884	5.168	0.000	4.209	0.000
0.303	0.520	0.534	2.060	0.982	1.477	0.402	1.268	1.381	0.609	0.000	0.145	1.781	0.557	13.540	1.896	1.322	0.722	1.067	1.151	0.000	0.568	0.000
0.174	0.441	0.127	1.358	0.370	0.390	0.411	0.983	1.702	0.368	0.000	0.000	2.402	0.371	8.102	1.498	0.202	0.152	0.145	0.601	0.000	0.163	0.000
0.202	0.490	0.649	1.029	0.519	0.149	0.178	0.864	1.468	0.326	0.000	0.000	2.839	0.515	3.616	1.162	1.782	0.219	0.655	0.526	0.000	0.418	0.000
0.149	0.368	0.595	0.827	0.452	0.093	0.114	0.670	1.112	0.234	0.000	0.000	2.420	0.515	1.807	0.879	2.396	0.181	0.519	0.416	0.000	0.386	0.000
0.201	0.473	0.691	0.929	0.484	0.075	0.109	0.743	0.999	0.296	0.000	0.000	2.121	0.603	1.805	0.909	2.850	0.181	0.760	0.429	0.000	0.537	0.000
0.249	0.545	0.725	1.078	0.550	0.067	0.109	0.732	0.966	0.327	0.000	0.000	1.900	0.581	2.104	1.062	3.628	0.217	0.752	0.375	0.000	0.613	0.000
0.289	0.583	0.783	1.269	0.680	0.079	0.104	0.710	0.934	0.347	0.000	0.000	1.812	0.551	2.667	1.278	4.088	0.287	0.856	0.400	0.000	0.771	0.000
0.317	0.618	0.920	1.333	0.787	0.074	0.082	0.719	0.831	0.371	0.000	0.000	1.720	0.424	3.069	1.340	4.233	0.269	0.951	0.367	0.000	0.792	0.000
0.319	0.586	0.992	1.244	0.793	0.064	0.064	0.690	0.707	0.349	0.000	0.000	1.564	0.293	3.039	1.242	3.938	0.225	0.953	0.311	0.000	0.686	0.000
0.255	0.441	0.838	0.983	0.661	0.051	0.052	0.541	0.545	0.260	0.000	0.000	1.252	0.183	2.486	0.980	3.055	0.172	0.783	0.245	0.000	0.500	0.000
0.151	0.263	0.522	0.671	0.468	0.040	0.048	0.339	0.394	0.156	0.000	0.000	0.898	0.110	1.725	0.678	2.000	0.124	0.509	0.180			

Appendix VII - Multivariate Analysis Methods

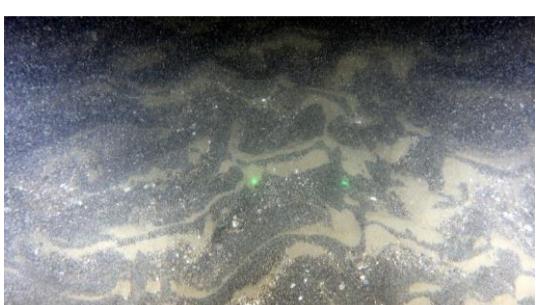
Hierarchical Cluster Analysis & SIMPROF	Cluster analysis is used to establish groups of samples which show multivariate similarity using an agglomerative hierarchical clustering method. When applied to between-sample similarity matrices based on Bray-Curtis similarities (Bray & Curtis, 1957) results can be represented in a dendrogram where samples are displayed on the x-axis and the level of similarity is displayed on the y-axis. Similarity profile permutation (SIMPROF) tests can be undertaken to test for the presence of statistically significant sample groups in a priori unstructured set of samples (Clarke et al. 2008) separated in the dendrogram.
Similarity Percentage (SIMPER)	Using the Bray-Curtis measure of similarity the SIMPER routine identifies the variables primarily providing the discrimination between two observed sample clusters. This analysis breaks down the contribution of each variable to the observed similarity between samples effectively meaning the key characterising variables of identified groups can be identified.
Shade Plots	PRIMER v7 now allows shade plots to be plotted showing simple visual representations of abundance matrices from multivariate species assemblage studies and have been shown to be an effective aid in choosing overall transformation (or other pre-treatment) of quantiative data (Clarke et al. 2014). Shade plots with linear grey-scale intensity proportional species abundance data can therefore be plotted and species can be clustered using the standard agglomerative method, based on the 'index of association' resemblances computed on species-standardised abundance/biomass. Resulting dendograms can be rotated to maximise the seriation statistic p, non-parametrically correlating their resemblances on the distance structure of a linear sequence to present the data in a form where general trends are most easily distinguished.

Appendix VIII - Example Imagery From Each DDV Station BSH and EUNIS Habitat Description

Stations	Habitat
Station 001	
Zero Visibility	
Station 003	
	
Station 004	
	
Station 005	
	
Station 006	
	
Station 007	
	
Station 008	
	
Station 010	
	

Station 011**BSH:**

A5.1 - Subtidal Coarse Sediment

EUNIS:A5.431 - *Crepidula fornicate* with ascidians and anemones on infralittoral coarse mixed sediment**Station 016****BSH:**

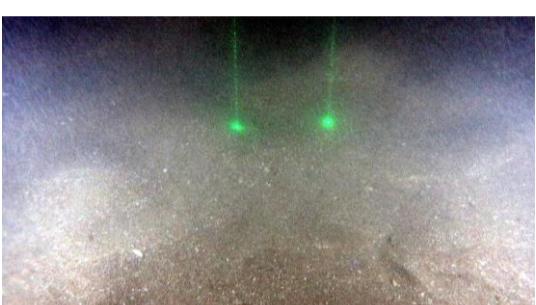
A5.4 - Subtidal Mixed Sediment

A5.2 - Subtidal Sand

EUNIS:

A5.44 - Circalittoral mixed sediments

A5.26 - Circalittoral muddy sand

Station 020**BSH:**

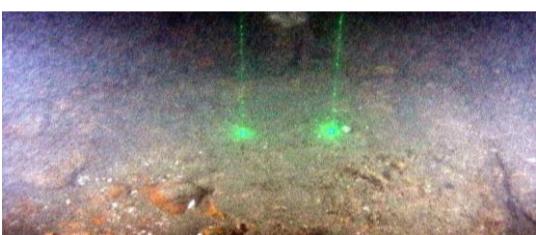
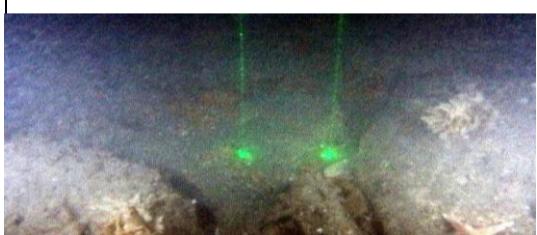
A5.1 - Subtidal Coarse Sediment

A5.2 - Subtidal Sand

EUNIS:

A5.14 - Circalittoral coarse sediment

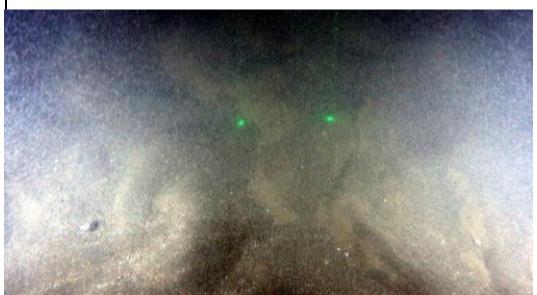
A5.25 - Circalittoral fine sand

Station 021**BSH:**

A4.2 - Moderate Energy Circalittoral Rock

EUNIS:

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

Station 022**BSH:**

A5.2 - Subtidal Sand

EUNIS:

A5.26 - Circalittoral muddy sand

A5.25 - Circalittoral fine sand

Station 023**BSH:**

A4.2 - Moderate Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

EUNIS:

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

A5.14 - Circalittoral coarse sediment

A4.13 - Mixed faunal turf communities on circalittoral rock

Station 026**BSH:**

A5.1 - Subtidal Coarse Sediment

EUNIS:

A5.14 - Circalittoral coarse sediment

Station 027**BSH:**

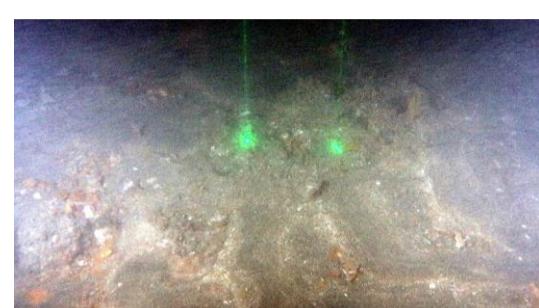
A5.1 - Subtidal Coarse Sediment

EUNIS:

A5.14 - Circalittoral coarse sediment

Station 028

BSH:
A5.2 - Subtidal Sand
EUNIS:
A5.25 - Circalittoral fine sand

Station 031

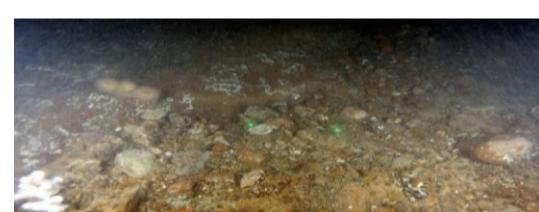
BSH:
A5.1 - Subtidal Coarse Sediment
A5.2 - Subtidal Sand
EUNIS:
A5.14 - Circalittoral coarse sediment
A5.25 - Circalittoral fine sand

Station 032

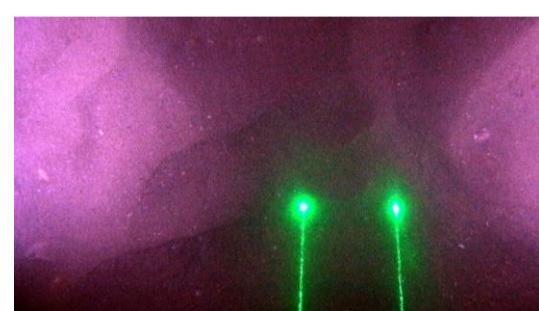
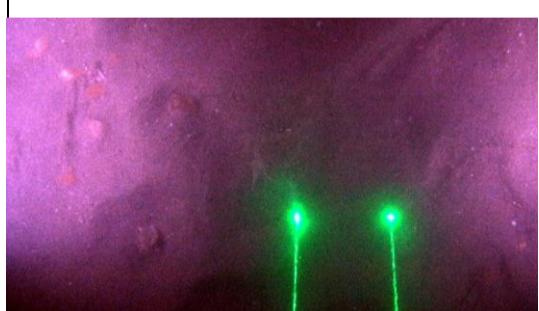
BSH:
A4.2 - Moderate Energy Circalittoral Rock
EUNIS:
A4.23 - Communities on soft circalittoral rock

Station 034

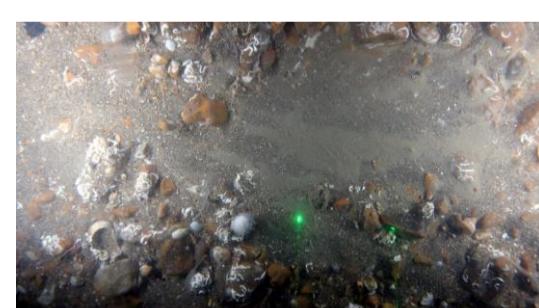
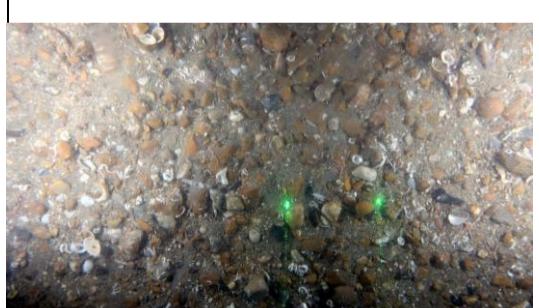
BSH:
A5.1 - Subtidal Coarse Sediment
EUNIS:
A5.14 - Circalittoral coarse sediment

Station 036

BSH:
A4.2 - Moderate Energy Circalittoral Rock
A5.1 - Subtidal Coarse Sediment
A4.2 - Moderate Energy Circalittoral Rock
EUNIS:
A4.23 - Communities on soft circalittoral rock
A5.14 - Circalittoral coarse sediment
A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

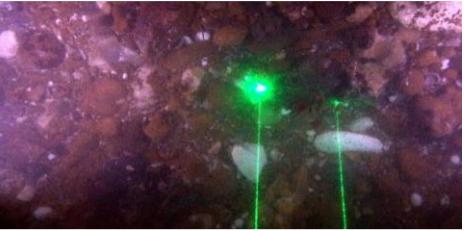
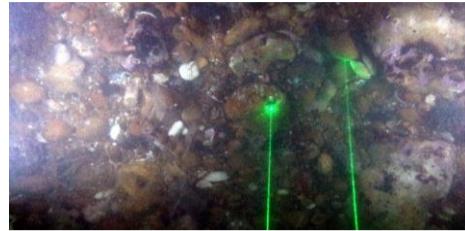
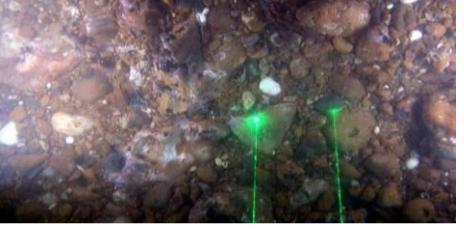
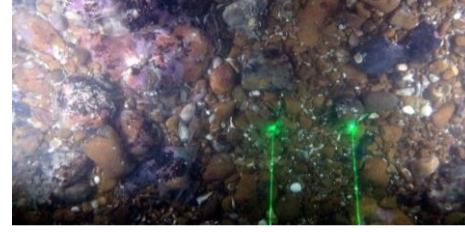
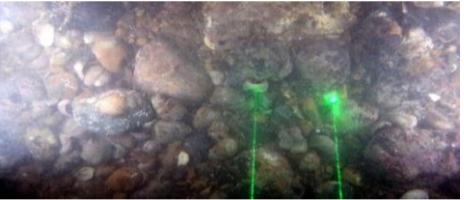
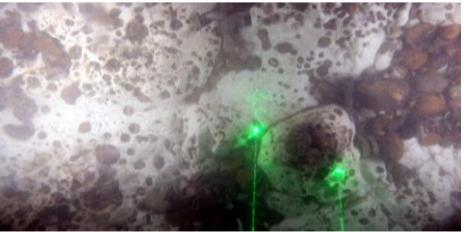
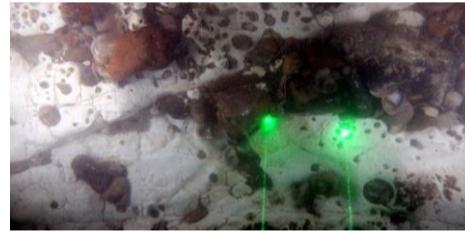
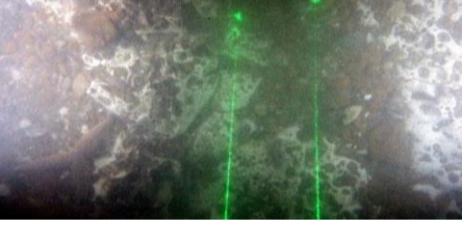
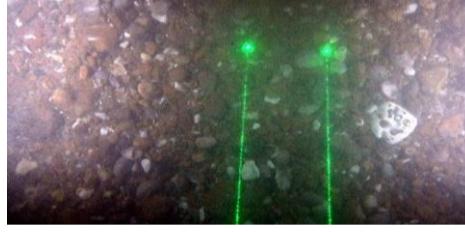
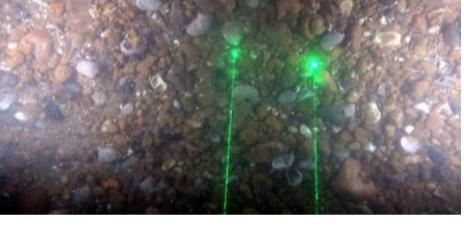
Station 040

BSH:
A5.1 - Subtidal Coarse Sediment
A5.2 - Subtidal Sand
EUNIS:
A5.14 - Circalittoral coarse sediment
A5.25 - Circalittoral fine sand

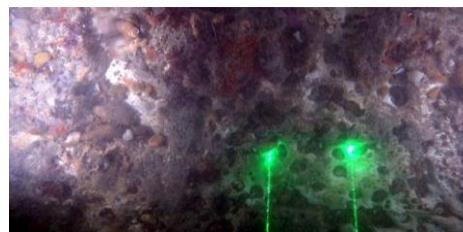
Station 042

BSH:
A5.1 - Subtidal Coarse Sediment
EUNIS:
A5.14 - Circalittoral coarse sediment

Appendix IX - Example Imagery From Each DDV Transect BSH and EUNIS Habitat Description

Transects	Habitat
T_001	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock A5.14 - Circalittoral coarse sediment</p>
T_002	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A5.14 - Circalittoral coarse sediment A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock</p>
T_003	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock A4.23 - Communities on soft circalittoral rock A5.14 - Circalittoral coarse sediment</p>
T_004	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.23 - Communities on soft circalittoral rock A5.14 - Circalittoral coarse sediment</p>
T_005	  <p>BSH: A4.1 - High Energy Circalittoral Rock A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock A5.14 - Circalittoral coarse sediment</p>
T_006	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.23 - Communities on soft circalittoral rock A5.14 - Circalittoral coarse sediment</p>
T_007	  <p>BSH: A4.2 - Moderate Energy Circalittoral Rock A5.1 - Subtidal Coarse Sediment</p> <p>EUNIS: A4.23 - Communities on soft circalittoral rock A5.14 - Circalittoral coarse sediment A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock</p>

T_008



BSH:

A4.2 - Moderate Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

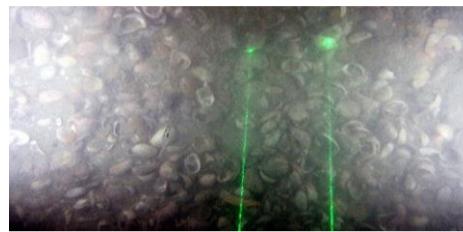
EUNIS:

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

A5.14 - Circalittoral coarse sediment

A4.23 - Communities on soft circalittoral rock

T_009



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.431 - *Crepidula fornicata* with ascidians and anemones on infralittoral coarse mixed sediment

T_010



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.431 - *Crepidula fornicata* with ascidians and anemones on infralittoral coarse mixed sediment

T_011



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

A4.2 - Moderate Energy Circalittoral Rock

EUNIS:

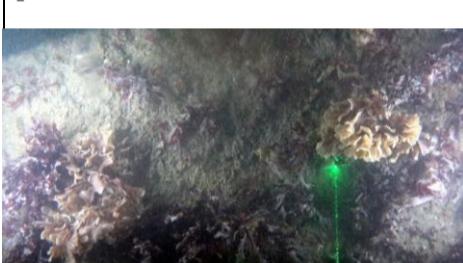
A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A5.14 - Circalittoral coarse sediment

A4.23 - Communities on soft circalittoral rock

A4.13 - Mixed faunal turf communities on circalittoral rock

T_012



BSH:

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

A5.2 - Subtidal Sand

EUNIS:

A5.14 - Circalittoral coarse sediment

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.25 - Circalittoral fine sand

T_013



BSH:

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

EUNIS:

A5.14 - Circalittoral coarse sediment

A4.13 - Mixed faunal turf communities on circalittoral rock

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A4.13 - Mixed faunal turf communities on circalittoral rock

T_014



BSH:

A4.1 - High Energy Circalittoral Rock

A5.2 - Subtidal Sand

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

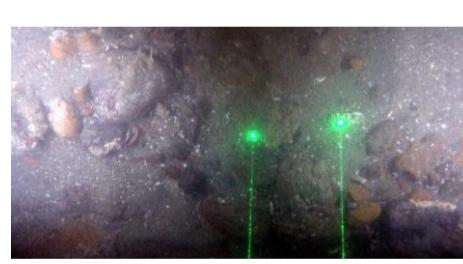
A5.25 - Circalittoral fine sand

A5.14 - Circalittoral coarse sediment

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A4.13 - Mixed faunal turf communities on circalittoral rock

T_015



BSH:

A5.2 - Subtidal Sand

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

A4.2 - Moderate Energy Circalittoral Rock

EUNIS:

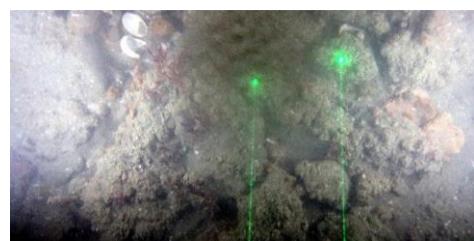
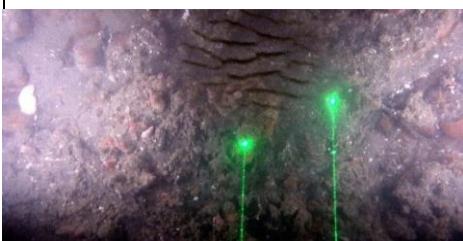
A5.25 - Circalittoral fine sand

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.14 - Circalittoral coarse sediment

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

T_016



BSH:

A4.1 - High Energy Circalittoral Rock

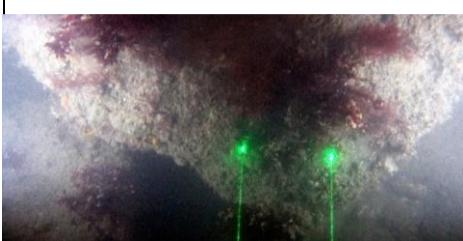
A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.14 - Circalittoral coarse sediment

T_017



BSH:

A4.2 - Moderate Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

A5.14 - Circalittoral coarse sediment

T_018



BSH:

A5.2 - Subtidal Sand

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

EUNIS:

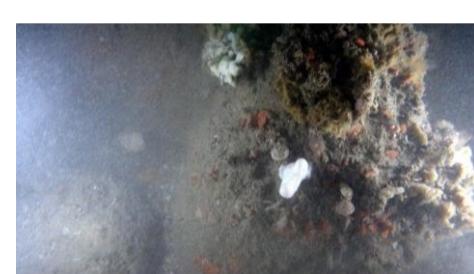
A5.25 - Circalittoral fine sand

A5.14 - Circalittoral coarse sediment

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A4.13 - Mixed faunal turf communities on circalittoral rock

T_019



BSH:

A5.1 - Subtidal Coarse Sediment

A5.2 - Subtidal Sand

A4.1 - High Energy Circalittoral Rock

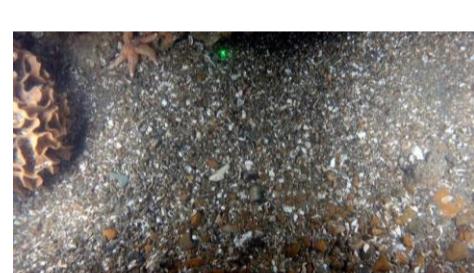
EUNIS:

A5.14 - Circalittoral coarse sediment

A5.25 - Circalittoral fine sand

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

T_020



BSH:

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

EUNIS:

A5.14 - Circalittoral coarse sediment

A5.25 - Circalittoral fine sand

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

T_021



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

A5.14 - Circalittoral coarse sediment

T_022



BSH:

A5.1 - Subtidal Coarse Sediment

A4.1 - High Energy Circalittoral Rock

A5.2 - Subtidal Sand

EUNIS:

A5.14 - Circalittoral coarse sediment

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.25 - Circalittoral fine sand

A4.134 - Flustra foliacea and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock

T_023



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

A5.2 - Subtidal Sand

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A5.14 - Circalittoral coarse sediment

A5.25 - Circalittoral fine sand

T_024



BSH:

A5.1 - Subtidal Coarse Sediment
A4.2 - Moderate Energy Circalittoral Rock
A5.6 - Subtidal Biogenic Reef

EUNIS:

A5.14 - Circalittoral coarse sediment
A4.221 - *Sabellaria spinulosa* encrusted circalittoral rock
A5.611 - *Sabellaria spinulosa* on stable circalittoral mixed sediment

T_025



BSH:

A5.2 - Subtidal Sand
A4.1 - High Energy Circalittoral Rock
A5.1 - Subtidal Coarse Sediment

EUNIS:

A5.14 - Circalittoral coarse sediment
A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock
A5.25 - Circalittoral fine sand

T_026



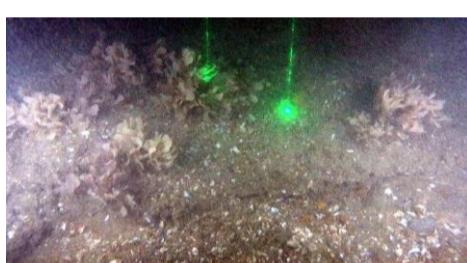
BSH:

A5.1 - Subtidal Coarse Sediment
A4.1 - High Energy Circalittoral Rock

EUNIS:

A5.14 - Circalittoral coarse sediment
A4.1 - Atlantic and Mediterranean high energy circalittoral rock

T_027



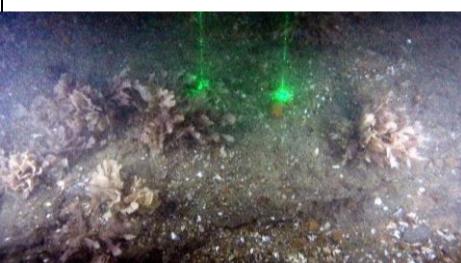
BSH:

A5.6 - Subtidal Biogenic Reef
A5.1 - Subtidal Coarse Sediment
A4.2 - Moderate Energy Circalittoral Rock

EUNIS:

A5.611 - *Sabellaria spinulosa* on stable circalittoral mixed sediment
A5.14 - Circalittoral coarse sediment
A4.23 - Communities on soft circalittoral rock
A4.221 - *Sabellaria spinulosa* encrusted circalittoral rock

T_028



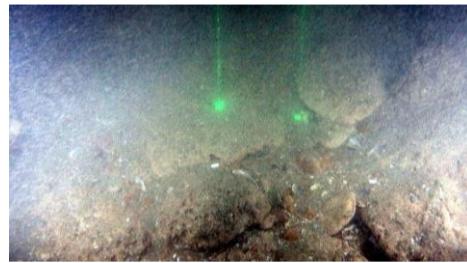
BSH:

A5.1 - Subtidal Coarse Sediment
A4.1 - High Energy Circalittoral Rock

EUNIS:

A5.14 - Circalittoral coarse sediment
A4.13 - Mixed faunal turf communities on circalittoral rock
A4.134 - *Flustra foliacea* and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock
A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock

T_029



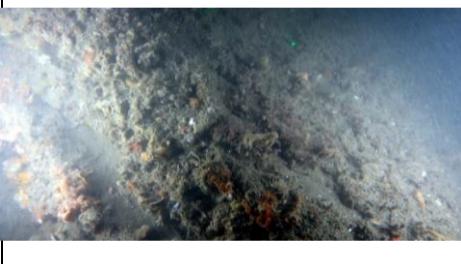
BSH:

A4.1 - High Energy Circalittoral Rock

EUNIS:

A4.1 - Atlantic and Mediterranean high energy circalittoral rock
A4.13 - Mixed faunal turf communities on circalittoral rock
A4.134 - *Flustra foliacea* and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock

T_030



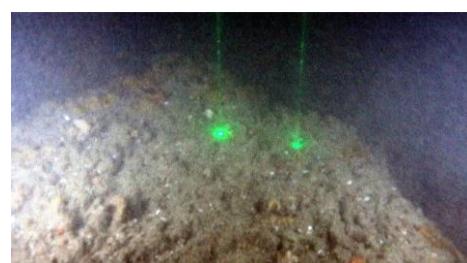
BSH:

A4.1 - High Energy Circalittoral Rock

EUNIS:

A4.1 - Atlantic and Mediterranean high energy circalittoral rock
A4.134 - *Flustra foliacea* and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock
A4.131 - Bryozoan turf and erect sponges on tide-swept circalittoral rock
A4.13 - Mixed faunal turf communities on circalittoral rock

T_031



BSH:

A4.1 - High Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.13 - Mixed faunal turf communities on circalittoral rock

A4.134 - Flustra foliacea and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock

A5.14 - Circalittoral coarse sediment

T_032



BSH:

A5.1 - Subtidal Coarse Sediment

EUNIS:

A5.141 - Pomatoceros triquierter with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles

T_033



BSH:

A5.2 - Subtidal Sand

A4.2 - Moderate Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

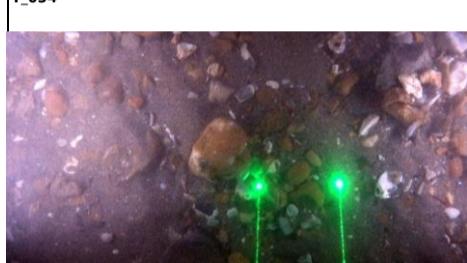
EUNIS:

A5.25 - Circalittoral fine sand

A4.23 - Communities on soft circalittoral rock

A5.14 - Circalittoral coarse sediment

T_034



BSH:

A5.1 - Subtidal Coarse Sediment

A5.2 - Subtidal Sand

EUNIS:

A5.14 - Circalittoral coarse sediment

A5.25 - Circalittoral fine sand

T_035



BSH:

A4.1 - High Energy Circalittoral Rock

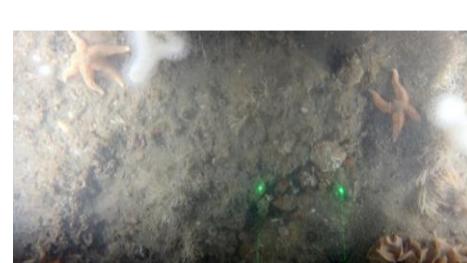
A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.1 - Atlantic and Mediterranean high energy circalittoral rock

A5.14 - Circalittoral coarse sediment

T_036



BSH:

A5.1 - Subtidal Coarse Sediment

A5.6 - Subtidal Biogenic Reef

A4.1 - High Energy Circalittoral Rock

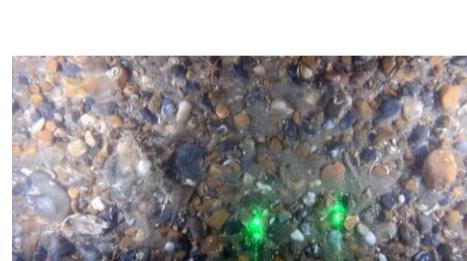
EUNIS:

A5.14 - Circalittoral coarse sediment

A5.611 - Sabellaria spinulosa on stable circalittoral mixed sediment

A4.13 - Mixed faunal turf communities on circalittoral rock

T_037



BSH:

A5.2 - Subtidal Sand

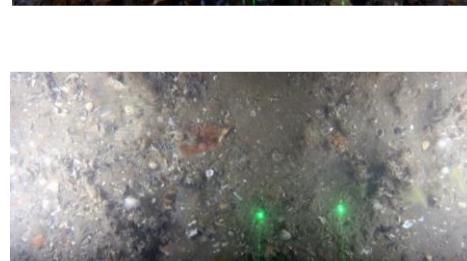
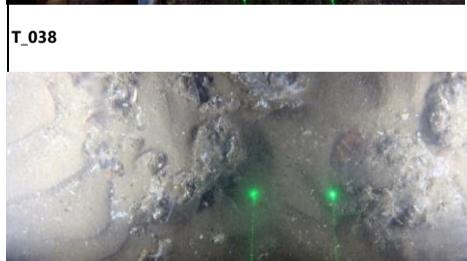
A5.1 - Subtidal Coarse Sediment

EUNIS:

A5.25 - Circalittoral fine sand

A5.14 - Circalittoral coarse sediment

T_038



BSH:

A5.1 - Subtidal Coarse Sediment

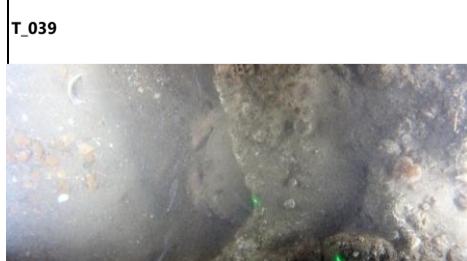
A4.2 - Moderate Energy Circalittoral Rock

EUNIS:

A5.14 - Circalittoral coarse sediment

A4.221 - Sabellaria spinulosa encrusted circalittoral rock

T_039



BSH:

A4.2 - Moderate Energy Circalittoral Rock

A5.1 - Subtidal Coarse Sediment

EUNIS:

A4.214 - Faunal and algal crusts on exposed to moderately wave-exposed circalittoral rock

A5.14 - Circalittoral coarse sediment

Appendix X - Summary of sediment types at each sampling station as classified by the Folk (1954)

Station	Treatment	Textural Group Classification	Folk and Ward Description	Folk and Ward Sorting	Mean μm	Mean phi	Sorting Coefficient	Skewness	Kurtosis	Major Sediment Fractions			BSH Code	BSH Description
										% Gravel	% Sand	% Mud		
3	Sediment	Gravel	Fine Gravel	Very Poorly Sorted	6527.1	-2.706	3.172	0.628	1.953	82.1%	12.1%	5.7%	A5.1	A5.1 Coarse Sediment
5	Sediment	Muddy Sandy Gravel	Fine Gravel	Very Poorly Sorted	7066.5	-2.821	3.685	0.665	1.230	76.7%	14.9%	8.4%	A5.4	A5.4 Mixed Sediment
11	Sediment	Muddy Gravel	Medium Sand	Extremely Poorly Sorted	255.3	1.969	4.988	-0.086	0.619	38.5%	18.5%	43.1%	A5.4	A5.4 Mixed Sediment
12	Sediment	Sandy Mud	Fine Silt	Very Poorly Sorted	6.826	7.195	2.623	0.021	1.124	0.0%	12.1%	87.9%	A5.3	A5.3 Mud and Sandy Mud
13	Sediment	Slightly Gravely Sand	Fine Sand	Moderately Sorted	248.4	2.009	0.922	-0.025	1.526	1.9%	93.3%	4.8%	A5.2	A5.2 Sand and Muddy Sand
14	Sediment	Gravely Sand	Coarse Sand	Very Poorly Sorted	564.0	0.826	2.613	-0.419	2.192	18.8%	74.4%	6.8%	A5.1	A5.1 Coarse Sediment
15	Sediment	Gravely Sand	Coarse Sand	Poorly Sorted	505.7	0.984	1.091	-0.256	1.244	7.9%	90.4%	1.7%	A5.1	A5.1 Coarse Sediment
16	Sediment	Gravely Sand	Medium Sand	Poorly Sorted	376.0	1.411	1.085	-0.210	1.386	5.3%	91.4%	3.3%	A5.1	A5.1 Coarse Sediment
17	Sediment	Gravely Muddy Sand	Coarse Sand	Very Poorly Sorted	603.9	0.728	2.761	-0.285	1.255	24.1%	66.6%	9.3%	A5.4	A5.4 Mixed Sediment
18	Sediment	Muddy Sandy Gravel	Very Coarse Sand	Very Poorly Sorted	1147.5	-0.199	3.515	-0.407	0.800	33.9%	58.0%	8.0%	A5.4	A5.4 Mixed Sediment
20	Sediment	Gravely Sand	Medium Sand	Poorly Sorted	434.6	1.202	1.233	-0.452	1.671	10.2%	88.8%	0.9%	A5.1	A5.1 Coarse Sediment
22	Sediment	Sandy Gravel	Fine Gravel	Very Poorly Sorted	4763.3	-2.252	2.988	0.543	0.499	65.0%	32.7%	2.3%	A5.1	A5.1 Coarse Sediment
25	Sediment	Muddy Sandy Gravel	Very Fine Gravel	Very Poorly Sorted	3491.8	-1.804	3.918	0.284	0.796	58.6%	30.6%	10.8%	A5.4	A5.4 Mixed Sediment
26	Sediment	Gravel	Fine Gravel	Moderately Sorted	6646.3	-2.733	0.858	0.287	6.640	92.2%	6.3%	1.5%	A5.1	A5.1 Coarse Sediment
27	Sediment	Sandy Gravel	Very Coarse Sand	Very Poorly Sorted	1568.1	-0.649	2.546	-0.527	0.676	44.3%	54.6%	1.1%	A5.1	A5.1 Coarse Sediment
28	Sediment	Gravely Sand	Medium Sand	Very Poorly Sorted	413.5	1.274	2.177	-0.265	3.443	14.9%	77.0%	8.2%	A5.1	A5.1 Coarse Sediment
29	Sediment	Sandy Gravel	Very Fine Gravel	Very Poorly Sorted	3547.1	-1.827	2.599	0.324	0.623	63.9%	33.6%	2.5%	A5.1	A5.1 Coarse Sediment
30	Sediment	Sandy Gravel	Coarse Sand	Very Poorly Sorted	991.7	0.012	2.461	-0.347	0.785	39.3%	55.6%	5.0%	A5.1	A5.1 Coarse Sediment
33	Sediment	Gravely Muddy Sand	Coarse Sand	Very Poorly Sorted	752.6	0.410	3.007	-0.444	2.525	21.6%	70.4%	8.0%	A5.4	A5.4 Mixed Sediment
34	Sediment	Muddy Sandy Gravel	Coarse Sand	Very Poorly Sorted	909.3	0.137	3.146	-0.093	1.021	35.7%	53.2%	11.1%	A5.4	A5.4 Mixed Sediment
37	Sediment	Muddy Sandy Gravel	Very Fine Gravel	Very Poorly Sorted	3193.7	-1.675	3.192	0.619	0.876	70.6%	22.8%	6.6%	A5.4	A5.4 Mixed Sediment
38	Sediment	Sandy Gravel	Very Fine Gravel	Very Poorly Sorted	3947.1	-1.981	2.724	0.661	0.991	75.2%	23.8%	0.9%	A5.1	A5.1 Coarse Sediment
39	Sediment	Slightly Gravely Sand	Medium Sand	Moderately Well Sorted	278.1	1.846	0.641	-0.123	1.299	2.6%	95.8%	1.6%	A5.2	A5.2 Sand and Muddy Sand
40	Sediment	Sandy Gravel	Very Coarse Sand	Very Poorly Sorted	1207.1	-0.272	3.316	-0.494	0.809	31.9%	61.3%	6.7%	A5.1	A5.1 Coarse Sediment
41	Sediment	Slightly Gravely Sand	Medium Sand	Poorly Sorted	316.9	1.658	1.439	0.115	2.402	4.7%	86.4%	8.9%	A5.2	A5.2 Sand and Muddy Sand
42	Sediment	Sandy Gravel	Very Fine Gravel	Very Poorly Sorted	2613.4	-1.386	3.152	-0.280	0.612	47.6%	49.3%	3.1%	A5.1	A5.1 Coarse Sediment
43	Sediment	Slightly Gravely Sand	Medium Sand	Moderately Well Sorted	395.9	1.337	0.611	-0.202	1.440	4.2%	95.8%	0.0%	A5.2	A5.2 Sand and Muddy Sand
44	Sediment	Slightly Gravely Sand	Medium Sand	Moderately Well Sorted	342.1	1.548	0.575	-0.186	1.262	2.1%	97.9%	0.0%	A5.2	A5.2 Sand and Muddy Sand
45	Sediment	Gravely Muddy Sand	Fine Sand	Very Poorly Sorted	189.9	2.397	2.728	0.232	3.009	8.4%	72.5%	19.1%	A5.4	A5.4 Mixed Sediment
46	Sediment	Sand	Medium Sand	Moderately Well Sorted	357.7	1.483	0.628	0.259	1.656	0.0%	95.6%	4.4%	A5.2	A5.2 Sand and Muddy Sand
47	Sediment	Slightly Gravely Muddy Sand	Very Fine Sand	Very Poorly Sorted	78.16	3.677	2.191	0.498	1.422	2.2%	71.1%	26.7%	A5.3	A5.3 Mud and Sandy Mud
48	Sediment	Gravely Muddy Sand	Very Coarse Sand	Very Poorly Sorted	1274.8	-0.350	3.945	-0.384	1.023	29.5%	59.2%	11.4%	A5.4	A5.4 Mixed Sediment
49	Sediment	Slightly Gravely Muddy Sand	Very Fine Sand	Very Poorly Sorted	104.6	3.256	2.512	0.782	0.718	0.6%	66.6%	32.8%	A5.3	A5.3 Mud and Sandy Mud
50	Sediment	Slightly Gravely Sand	Medium Sand	Moderately Well Sorted	356.0	1.490	0.508	0.073	1.149	0.6%	96.8%	2.6%	A5.2	A5.2 Sand and Muddy Sand
51	Sediment	Gravely Muddy Sand	Coarse Sand	Very Poorly Sorted	863.6	0.212	3.095	-0.423	1.164	26.7%	65.4%	7.9%	A5.4	A5.4 Mixed Sediment
52	Sediment	Gravely Sand	Very Coarse Sand	Very Poorly Sorted	1300.3	-0.379	3.161	-0.684	1.330	23.7%	72.3%	4.0%	A5.1	A5.1 Coarse Sediment
53	Sediment	Slightly Gravely Sand	Medium Sand	Well Sorted	397.3	1.332	0.415	0.006	0.998	0.5%	99.5%	0.0%	A5.2	A5.2 Sand and Muddy Sand
54	Sediment	Gravely Sand	Medium Sand	Poorly Sorted	299.1	1.742	1.334	0.025	3.236	6.0%	87.8%	6.2%	A5.1	A5.1 Coarse Sediment
55	Sediment	Gravel	Fine Gravel	Moderately Sorted	4585.4	-2.197	0.714	0.436	5.746	84.1%	15.9%	0.0%	A5.1	A5.1 Coarse Sediment

Appendix XI - Raw Sediment Chemical Analysis Dataset

Units	Analyte	Samples						
		GBERAM0919 - 014 - 17.50	GBERAM091 9 - 020 - 23.60	GBERAM091 9 - 025 - 35.00	GBERAM091 9 - 030 - 34.00	GBERAM091 9 - 042 - 28.60	GBERAM091 9 - 046 - 51.50	GBERAM091 9 - 051 - 25.00
mg kg ⁻¹ (Dry Weight)	Arsenic as As	20.3	16.9	21.1	30.9	24.1	10.2	59.2
mg kg ⁻¹ (Dry Weight)	Cadmium as Cd	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
mg kg ⁻¹ (Dry Weight)	Chromium as Cr	31.8	9.9	18.1	20.4	19.3	6.6	32.3
mg kg ⁻¹ (Dry Weight)	Copper as Cu	4.9	2.9	13.3	4.6	4.3	3.2	6.1
mg kg ⁻¹ (Dry Weight)	Lead as Pb	13.1	6.9	8.7	9.8	8.4	6.3	15.1
mg kg ⁻¹ (Dry Weight)	Mercury as Hg	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
mg kg ⁻¹ (Dry Weight)	Nickel as Ni	10.5	4.3	8.6	9.5	10.8	4.9	14.9
mg kg ⁻¹ (Dry Weight)	Tin as Sn	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
mg kg ⁻¹ (Dry Weight)	Vanadium as V	59.9	32.7	41.9	57.8	46.5	11.5	76.0
mg kg ⁻¹ (Dry Weight)	Zinc as Zn	31.7	14.5	27.0	25.1	24.0	11.6	34.7
mg kg ⁻¹ (Dry Weight)	Aluminium as Al	10100	2910	6110	4660	4610	7050	11600
mg kg ⁻¹ (Dry Weight)	Iron as Fe	26800	12100	14800	19300	23300	6170	35200
µg/Kg (Dry Weight)	Naphthalene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Acenaphthylene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Acenaphthene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Fluorene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Phenanthrene	<1	1.39	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Dibenzothiophene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Anthracene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Fluoranthene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Pyrene	<1	<1	<1	1.09	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[a]anthracene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Chrysene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[b]fluoranthene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[k]fluoranthene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[e]pyrene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[a]pyrene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Perylene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Indeno[123,cd]pyrene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Dibenzo[a,h]anthracene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	Benzo[ghi]perylene	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC10	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC11	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC12	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC13	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC14	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC15	<1	<1	1.05	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC16	<1	<1	2.38	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC17	2.39	<1	4.09	3.06	<1	1.57	<1
µg/Kg (Dry Weight)	pristane	1.15	<1	1.59	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC18	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	phytane	<1	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC19	1.08	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC20	<1	<1	6.30	1.28	<1	<1	<1
µg/Kg (Dry Weight)	nC21	1.01	<1	<1	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC22	<1	<1	2.77	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC23	1.18	<1	1.94	<1	<1	<1	<1
µg/Kg (Dry Weight)	nC24	1.08	<1	1.25	1.04	<1	<1	1.25
µg/Kg (Dry Weight)	nC25	2.02	<1	1.90	1.96	2.95	1.64	5.34
µg/Kg (Dry Weight)	nC26	2.12	2.70	3.21	1.48	5.01	2.23	4.09
µg/Kg (Dry Weight)	nC27	4.35	2.49	7.54	4.90	9.96	2.77	11.7
µg/Kg (Dry Weight)	nC28	3.31	5.54	2.98	1.17	7.21	1.48	3.60
µg/Kg (Dry Weight)	nC29	5.37	3.26	9.19	6.28	8.79	3.52	10.2
µg/Kg (Dry Weight)	nC30	3.99	1.50	19.62	1.59	3.53	<1	6.37
µg/Kg (Dry Weight)	nC31	4.85	3.01	7.69	6.88	11.4	5.54	16.5
µg/Kg (Dry Weight)	nC32	3.28	1.50	5.59	2.20	3.98	<1	5.11
µg/Kg (Dry Weight)	nC33	3.04	1.43	2.22	2.42	6.48	1.92	6.88
µg/Kg (Dry Weight)	nC34	1.24	<1	4.50	3.42	4.17	<1	2.84
µg/Kg (Dry Weight)	nC35	1.42	<1	1.39	1.38	2.85	<1	<1
µg/Kg (Dry Weight)	nC36	1.35	<1	1.61	1.49	2.70	<1	3.32
µg/Kg (Dry Weight)	nC37	1.15	163	<1	<1	3.08	<1	2.85
µg/Kg (Dry Weight)	Total Oil	2,060	1,220	4,920	3,290	1,360	1,320	1,700
µg/Kg (Dry Weight)	Total n alkanes	44.2	184	87.2	40.6	72.1	<28	80.0
µg/Kg (Dry Weight)	Carbon Preference Index	1.70	15.4	0.74	1.96	1.71	4.56	2.01
µg/Kg (Dry Weight)	Pristane	1.1	<1	1.59	<1	<1	<1	<1
µg/Kg (Dry Weight)	Phytane	<1	<1	<1	<1	<1	<1	<1
%	TOC	0.31	0.12	0.21	0.27	0.11	0.07	0.17
%	TOM	2.3	1.4	1.8	1.7	1.7	3.4	2.2

Appendix XII - Full Raw Macrofaunal Abundance Matrix

matrixID	taxonName	aphiaID	originalName	qualifier
100630	<i>Abludomelita obtusata</i>	102788		
100115	<i>Abra</i>	138474		S1127: juvenile
100067	<i>Abra alba</i>	141433		
100121	<i>Abra prismatica</i>	141436		
100016	ACTINIARIA	1360		
100462	<i>Adamsia palliata</i>	445590		
100243	<i>Alcyoniidoides mytili</i>	468026		
100394	<i>Ampelisca diadema</i>	101896		
100392	<i>Ampelisca spinipes</i>	101928		
100219	<i>Ampharete lindstroemi</i>	129781		Aggregate
100258	<i>Amphiblestrum auritum</i>	111186		
100247	<i>Amphipholis squamata</i>	125064		
100795	<i>Amphisbetia distans</i>	1341823		
100223	<i>Anapagurus laevis</i>	107218		
100005	ANIMALIA	2	Miscellania	
100281	ANIMALIA	2	S1122: eggs	
100001	ANNELIDA	882		
100232	Anomiidae	214		S1127: juvenile
100475	<i>Aonides oxycephala</i>	131106		
100338	<i>Aonides paucibranchiata</i>	131107		
100666	<i>Aphelochaeta</i>	129240		Species A
100663	<i>Aricidea (Aricidea) minuta</i>	730747		
100110	ASCIDIACEA	1839		S1127: juvenile
100341	<i>Asclerocheilus</i>	129551		
100664	<i>Aspidelectra melolontha</i>	111350		
100100	<i>Balanus crenatus</i>	106215		
100781	<i>Barnea parva</i>	140768		
100274	<i>Bathyporeia elegans</i>	103058		
100641	<i>Bathyporeia guilliamsoniana</i>	103060		
100791	<i>Bicellariella ciliata</i>	111147		
100643	<i>Bodotria scorpioides</i>	110445		
100779	<i>Branchiomma bombyx</i>	130878		
100668	<i>Calliostoma granulatum</i>	141753		
100627	<i>Cauilleriella alata</i>	129943		
100763	<i>Cauilleriella bioculata</i>	129944		
100339	<i>Cellepora pumicosa</i>	111268		
100660	<i>Centraloecetes</i>	1059643		Damaged
100484	<i>Ceramium</i>	143834		
100740	<i>Cerianthus lloydii</i>	283798		
100026	<i>Chaetozone christiei</i>	152217		
100175	<i>Chaetozone zetlandica</i>	336485		
100076	<i>Chamelea striatula</i>	141908		
100344	<i>Cheirocratus</i>	101669		Female
100741	<i>Cheirocratus intermedius</i>	102795		
100402	<i>Chorizopora bronniartii</i>	111304		

100479	<i>Cirriformia tentaculata</i>	129964		
100254	<i>Cliona</i>	132026		
100221	<i>Clymenella cincta</i>	130278		
100245	<i>Clytia hemisphaerica</i>	117368		
100714	<i>Conilera cylindracea</i>	118842		
100208	<i>Conopeum reticulum</i>	111351		
100687	<i>Crepidula fornicata</i>	138963		
100002	CRUSTACEA	1066		
100266	<i>Dendrodoa grossularia</i>	103882		
100040	<i>Diastylis bradyi</i>	110472		
100457	<i>Diplodonta rotundata</i>	141883		
100373	<i>Dipolydora caulleryi</i>	131116		
100364	<i>Dipolydora coeca</i>	131117		
100174	<i>Dipolydora saintjosephi</i>	131123		
100406	<i>Disporella hispida</i>	111730		
100169	<i>Dodecaceria</i>	129246		
100792	<i>Dyopedos monacanthus</i>	489646		
100742	<i>Ebalia tumefacta</i>	107302		
100349	<i>Echinocyamus pusillus</i>	124273		
100004	ECHINODERMATA	1806		
100723	<i>Elasmopus rapax</i>	102805		
100440	<i>Electra monostachys</i>	111354		
100185	<i>Electra pilosa</i>	111355		
100202	ENTEROPNEUSTA	1820		
100343	<i>Escharella immersa</i>	111484		
100706	<i>Escharella variolosa</i>	111495		
100342	<i>Escharella ventricosa</i>	111496		
100466	<i>Eteone longa</i>	130616	Aggregate	
100685	<i>Eualus occultus</i>	107506		
100477	<i>Eulalia bilineata</i>	130624		
100778	<i>Eulalia expusilla</i>	130625		
100345	<i>Eulalia mustela</i>	130631	Aggregate	
100165	<i>Eulalia ornata</i>	130632		
100176	<i>Eumida bahusiensis</i>	130641		
100163	<i>Eumida sanguinea</i>	130644	Aggregate	
100651	<i>Eunereis longissima</i>	130375		
100412	<i>Eupolymnia nesidensis</i>	131490		
100616	<i>Eurydice truncata</i>	118855		
100425	<i>Eury nome</i>	106901	S1127: juvenile	
100123	<i>Eusyllis blomstrandii</i>	131290		
100278	<i>Exogone verugera</i>	333456		
100357	<i>Flustra foliacea</i>	111367		
100259	Folliculinidae	1692		
100397	<i>Galathea intermedia</i>	107150		
100441	GASTROPODA	101	S1122: eggs	
100427	<i>Gastrosaccus spinifer</i>	120020		
100128	<i>Glycera</i>	129296	S1127: juvenile	
100777	<i>Glycera fallax</i>	336908		
100083	<i>Glycera lapidum</i>	130123	Aggregate	
100085	<i>Glycera oxycephala</i>	130126		
100481	<i>Gnathia vorax</i>	119000		
100414	<i>Golfingia (Golfingia) elongata</i>	175026		
100667	<i>Goniada emerita</i>	130137		

100068	<i>Goniada maculata</i>	130140		
100608	<i>Goodallia triangularis</i>	138831		
100354	<i>Halecium</i>	117103		
100286	<i>Harmothoe impar</i>	130770		Aggregate
100093	<i>Hiatella arctica</i>	140103		
100715	<i>Hincksina flustroides</i>	111369		
100625	<i>Hippomedon denticulatus</i>	102570		
100370	<i>Hippotheoa</i>	110931		
100463	<i>Hydractinia echinata</i>	117644		
100260	<i>Hydrallmania falcata</i>	117890		
100077	<i>Kurtiella bidentata</i>	345281		
100088	<i>Lagis koreni</i>	152367		
100695	<i>Laonice</i>	129613		S1127: juvenile
100330	<i>Laonice bahusiensis</i>	131127		
100161	<i>Leiochone</i>	146991		
100150	<i>Lepidonotus squamatus</i>	130801		
100382	<i>Leptochiton</i>	138117		S1127: juvenile
100380	<i>Leptochiton asellus</i>	140199		
100750	<i>Leucothoe procera</i>	102466		
100788	<i>Limacia clavigera</i>	140830		
100683	<i>Liocarcinus</i>	106925		S1127: juvenile
100796	<i>Lumbrineriopsis paradoxa</i>	130235		
100082	<i>Lumbrineris cingulata</i>	130240		Confer
100656	<i>Lysidice ninetta</i>	130071		
100485	<i>Lysidice unicornis</i>	742232		
100713	<i>Lysilla nivea</i>	131501		
100701	<i>Maerella tenuimana</i>	102831		
100179	<i>Magelona filiformis</i>	130268		
100205	<i>Magelona johnstoni</i>	130269		
100659	<i>Magelona mirabilis</i>	130271		
100316	<i>Malmgrenia andreapolis</i>	147008		
100787	<i>Malmgrenia arenicolae</i>	152276		
100533	<i>Marphysa sanguinea</i>	130075		
100096	<i>Mediomastus fragilis</i>	129892		
100758	<i>Microeciella suborbicularis</i>	471893		
100386	<i>Microporella ciliata</i>	111421		
100749	<i>Moerella donacina</i>	147021		
100483	<i>Molgula</i>	103509		
100003	MOLLUSCA	51		
100761	<i>Montacuta substriata</i>	140377		
100289	Mytilidae	211		S1127: juvenile
100009	NEMATODA	799		
100014	NEMERTEA	152391		
100360	<i>Nephasoma (Nephasoma) minutum</i>	136060		
100047	<i>Nephtys</i>	129370		S1127: juvenile
100206	<i>Nephtys assimilis</i>	130353		
100428	<i>Nephtys cirrosa</i>	130357		
100135	<i>Nephtys kersivalensis</i>	130363		
100665	<i>Nereis zonata</i>	130407		
100170	<i>Nicolea zostericola</i>	131508		
100785	<i>Nicomache</i>	129357		
100015	<i>Notomastus</i>	129220		
100776	<i>Notoproctus</i>	129358		

100391	<i>Nototropis vedlomensis</i>	179538		
100722	<i>Nucula hanleyi</i>	140588		
100673	<i>Odostomia unidentata</i>	141025		
100017	<i>Ophelia borealis</i>	130491		
100090	<i>Ophiothrix fragilis</i>	125131		
100190	<i>Ophiura albida</i>	124913		
100189	<i>Ophiura ophiura</i>	124929		
100089	Ophiuridae	123200		S1127: juvenile
100340	<i>Othomaera othonis</i>	534781		
100144	<i>Owenia</i>	129427		
100623	<i>Pagurus cuanensis</i>	107235		
100461	<i>Pagurus prideaux</i>	107239		
100171	<i>Paradoneis lyra</i>	130585		
100353	<i>Parexogone hebes</i>	757970		
100648	<i>Paucibranchia</i>	1297882		
100724	<i>Perinereis cultrifera</i>	130408		
100748	<i>Petaloprotus</i>	129359		
100251	PHASCOLION (PHASCOLION) STROMBUS STROMBUS	410749		
100784	Pholadidae	252		S1127: juvenile
100178	<i>Pholoe baltica</i>	130599		
100158	<i>Pholoe inornata</i>	130601		
100028	<i>Phoronis</i>	128545		
100331	<i>Phyllodoce groenlandica</i>	334506		
100707	<i>Pilumnus hirtellus</i>	107418		
100225	<i>Pisidia longicornis</i>	107188		
100387	PLATYHELMINTHES	793		
100764	<i>Platynereis dumerili</i>	130417		
100116	<i>Poecilochaetus serpens</i>	130711		
100658	<i>Polycarpa pomaria</i>	103909		
100060	<i>Polycirrus</i>	129710		
100759	<i>Porella concinna</i>	111125		
100244	PORIFERA	558		
100645	<i>Praxillella affinis</i>	130322		
100780	<i>Proceraea</i>	129671		
100621	<i>Psammechinus miliaris</i>	124319		
100672	<i>Pseudopotamilla</i>	129548		
100657	<i>Pyura tessellata</i>	103853		
100782	<i>Reptadeonella violacea</i>	111061		
100409	<i>Rhynchozoon bispinosum</i>	111464		
100142	<i>Sabellaria spinulosa</i>	130867		
100728	<i>Scalibregma celticum</i>	130979		
100020	<i>Scalibregma inflatum</i>	130980		
100694	<i>Schistomerings neglecta</i>	130044		
100654	<i>Schistomerings rudolphi</i>	154127		
100371	<i>Schizomavella</i>	110829		
100793	<i>Sclerocheilus</i>	129557		
100789	<i>Scolelepis (Parascolelepis) tridentata</i>	157561		
100029	<i>Scoloplos armiger</i>	130537		
100261	<i>Sertularella</i>	117233		
100193	<i>Sertularia</i>	117234		
100408	<i>Sphaerodorum</i>	129602		
100233	<i>Sphenia binghami</i>	140432		
100136	<i>Spiophanes bombyx</i>	131187		

100671	<i>Spirobranchus</i>	129582		Damaged
100157	<i>Spirobranchus lamarcki</i>	560033		
100366	<i>Spirobranchus triqueter</i>	555935		
100183	<i>Spisula</i>	138159		S1127: juvenile
100765	<i>Steromphala cineraria</i>	1039839		
100106	<i>Sthenelais boa</i>	131074		
100739	<i>Subadyte pellucida</i>	130833		
100670	<i>Syllidia armata</i>	130198		
100166	<i>Syllis armillaris</i>	131415		Aggregate
100662	<i>Syllis garciai</i>	131431		
100095	<i>Syllis pontxioi</i>	196003		
100794	<i>Syllis variegata</i>	131458		
100051	<i>Synchelidium maculatum</i>	102928		
100655	<i>Tectura virginea</i>	153552		
100153	<i>Terebellides</i>	129717		
100746	<i>Thelepus</i>	129714		
100052	THRACIOIDEA	382318		S1127: juvenile
100365	<i>Timoclea ovata</i>	141929		
100288	<i>Travisia forbesii</i>	130512		
100653	<i>Triticella flava</i>	111653		
100037	<i>Tubificoides benedii</i>	137571		
100375	<i>Tubulipora</i>	111054		
100454	<i>Upogebia deltaura</i>	107739		
100669	<i>Urothoe brevicornis</i>	103226		
100181	<i>Urothoe elegans</i>	103228		
100629	<i>Varicorcula gibba</i>	378492		
100265	<i>Verruca stroemia</i>	106257		
100619	<i>Vesicularia spinosa</i>	111669		

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Presence / Absence	-	-	-	-	-	-	-	-	P	P	-

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Abundance									
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039_MAC_1mm_A	040_MAC_1mm_A	041_MAC_1mm_A	043_MAC_1mm_A	044_MAC_1mm_A	045_MAC_1mm_A	047_MAC_1mm_A
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Abundance						
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-	P	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0839
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	C0475
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0953
-	-	-	-	-	-	-	-	-	P	-	-	-	-	SDC code,	D0503
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S0849
-	-	-	-	P	-	-	-	P	-	-	-	-	-	SDC code,	Y0172
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W0439
3.0264	-	0.0068	0.0066	-	0.14	0.009	-	-	-	-	-	-	-	SDC code,	R0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	ZD0120
-	-	-	-	1	-	-	-	-	-	-	-	-	-	SDC code,	S1248
5	-	-	-	-	-	-	1	-	-	-	-	-	-	SDC code,	W1864
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0751
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0750
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0761
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S1509
17	-	-	-	-	-	-	13	-	-	-	-	-	-	SDC code,	ZB0212
0.7184	0.0033	1.0794	0.3762	-	0.1477	0.0021	-	-	-	-	-	-	-	SDC code,	ZB0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S0508
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0177
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0178
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0370
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0118
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S1344
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0152
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0153
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0155
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0156
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0164
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-	-	-	-	-	-	-	1	-	-	-	-	-	-	SDC code,	S0856
-	-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	S1535
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0380
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0423
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0187
-	-	-	-	-	-	P	-	-	-	-	-	-	-	SDC code,	A0003
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S1472
-	-	-	-	-	-	-	-	-	-	-	-	-	-	S1122: eggs	SDC code, W0088
-	-	-	-	-	-	-	-	1	-	-	-	-	-	SDC code,	S0044
-	-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, P0255
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0259
1	-	-	-	1	-	-	2	-	-	-	-	-	-	SDC code,	P0260
-	-	-	-	-	-	-	2	-	-	-	-	-	-	SDC code,	P0262
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S0797
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	N0014
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0270

2	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0271
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W1929
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	D0390
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0065
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W2166
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-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0331
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	D0273
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	D0424
10	7	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W1906
-	12	-	-	-	-	3	-	-	-	-	-	-	SDC code,	P1107
-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, P0731
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0733
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0955_A
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0082
-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, W0050
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W0053
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S0179
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W1354
-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, S1577
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0571
5	-	1	-	-	-	3	-	-	-	-	-	-	SDC code,	P0572_A
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0562
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0568
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P1234
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S0521
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-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0803_A
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0807
1	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0051
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0050_A
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0566
2	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0919
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0020_A
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0480
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W2021
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	ZD0146
2.7107	0.6349	-	0.3364	-	0.1844	0.005	-	-	-	-	-	-	SDC code,	W0001
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W1892
-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, W1691
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	HD0001
3	1	1	1	1	3	-	-	-	-	-	-	-	SDC code,	G0001
-	-	-	-	-	-	1	-	-	-	-	-	-	SDC code,	N0025
-	-	-	-	-	-	-	-	4	-	-	-	-	S1127: juvenile	SDC code, P0494
-	-	-	-	-	-	-	1	-	-	-	-	-	SDC code,	P0495
-	-	-	3	-	1	-	-	1	-	-	-	-	SDC code,	P0498
-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0502
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-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0979
1	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0920
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P1339
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P1341
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0032
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P0321
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	P1253
-	-	-	-	-	-	-	-	-	-	-	-	-	-	S1127: juvenile	SDC code, W2225
1	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	W2104
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P	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0119
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1	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	S1419
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1	-	-	-	-	-	-	-	-	1	-	-	-	-	SDC code,	S0248
-	1	-	1	-	-	-	-	-	-	-	-	-	-	SDC code,	W2157
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	R0041
-	-	-	-	-	-	-	-	-	-	-	-	-	-	SDC code,	Y0131

Appendix XIII - Macrofaunal Biomass (gAFDW) of Each Major Taxonomic Group

Taxonomic Group	X003_MAC_1mm_A	X005_MAC_1mm_A	X011_MAC_1mm_A	X012_MAC_1mm_A	X013_MAC_1mm_A
MISCELLANIA	0.010106	0.0037665	0.0050375	0	0
ANNELIDA	0.081251	0.030628	0.1819545	0.00062	0.0334335
CRUSTACEA	0.0874575	0.00468	0.023355	0.00117	0.000765
ECHINODERMATA	4.80E-05	0.000296	4.00E-05	0	0
MOLLUSCA	3.4849745	3.049426	0.002635	0	0

X015_MAC_1mm_A	X016_MAC_1mm_A	X017_MAC_1mm_A	X018_MAC_1mm_A	X020_MAC_1mm_A	X022_MAC_1mm_A	X026_MAC_1mm_A
1.55E-05	0.001426	0.0006665	0.0104935	0.0001395	0	0.003131
0.0040765	0.0251875	0.0550405	0.1051985	0.114793	0.002883	0.0602795
0.0015075	0.0034875	0.0004275	0	0	2.25E-05	0
0	0	0.024088	0.00152	0	0	0.062984
0.0057715	0.0005865	0.0090185	0.0010625	0.0025585	0	0.079866

X027_MAC_1mm_A	X028_MAC_1mm_A	X029_MAC_1mm_A	X033_MAC_1mm_A	X034_MAC_1mm_A	X037_MAC_1mm_A	X038_MAC_1mm_A
0.0261795	0.0072075	0.001457	0.000527	0.0016585	0.029853	0.023343
0.1068725	0.0369985	0.018817	0.011966	0.079298	0.0695795	0.029388
0.01611	0.0004725	0.00072	0	0.001755	0.06543	0.0207
0.006664	0.002848	0.025072	0.016864	0.0174	1.195472	0.147592
0.000238	0.000527	0.0011305	0.02057	0.0109735	0.0024565	0

X039_MAC_1mm_A	X040_MAC_1mm_A	X041_MAC_1mm_A	X043_MAC_1mm_A	X044_MAC_1mm_A
0	0.000775	0.000465	0.0001085	0
0.133641	0.006479	0.0094705	0.001488	0.011439
0.0004725	0.00108	0.000855	0.0011025	0.0006975
0.031176	0.001744	8.80E-05	4.00E-05	0
0	0	0.0133535	0.00051	0

X045_MAC_1mm_A	X047_MAC_1mm_A	X048_MAC_1mm_A	X049_MAC_1mm_A
0.0007285	0.0236995	0.0081065	0.000899
0.0704165	0.045694	0.0694555	0.2201
0.00036	0.197865	0.68094	0
0.025272	0.052448	0.057472	0.000264
0.0242165	0.255935	0.2304095	0.0539665

X050_MAC_1mm_A	X052_MAC_1mm_A	X053_MAC_1mm_A	X054_MAC_1mm_A	X055_MAC_1mm_A
0.000217	0.000589	0.0247225	0.000775	0.0016895
0.01054	0.0003565	0.0002945	0.2606325	0.0030535
0.00153	0.001485	0	0.0315	0.002025
0.086352	0.030096	0	0.011816	0.000168
0	0.028594	0	0.015674	0.000425

Appendix XIV - SIMPER (similarity percentage analysis)

SIMPER

Similarity Percentages - species contributions

One-Way Analysis

Data worksheet

Name: SQRT(2)

Data type: Abundance

Sample selection: All

Variable selection: All

Group A

Average similarity: 19.26

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Nephtys cirrosa	0.89	6.75	0.92	35.04	35.04
Ophelia borealis	1.2	5.67	0.68	29.43	64.47
Bathyporeia guilliamsoniana	0.43	1.88	0.38	9.76	74.23

Parameters

Resemblance: S17 Bray-Curtis similarity

Cut off for low contributions: 70.00%

Factor Groups

Sample SIMPROF

X003_MAC_1mm_A C

X005_MAC_1mm_A C

X037_MAC_1mm_A C

X038_MAC_1mm_A C

X011_MAC_1mm_A Outlier

X028_MAC_1mm_A Outlier

X012_MAC_1mm_A A

X013_MAC_1mm_A A

X015_MAC_1mm_A A

X016_MAC_1mm_A A

X020_MAC_1mm_A A

X022_MAC_1mm_A A

X039_MAC_1mm_A A

X040_MAC_1mm_A A

X041_MAC_1mm_A A

X043_MAC_1mm_A A

X044_MAC_1mm_A A

X050_MAC_1mm_A A

X052_MAC_1mm_A A

X053_MAC_1mm_A A

X055_MAC_1mm_A A

X017_MAC_1mm_A E

X018_MAC_1mm_A E

X033_MAC_1mm_A E

X034_MAC_1mm_A E

X048_MAC_1mm_A E

X054_MAC_1mm_A E

X026_MAC_1mm_A D

X027_MAC_1mm_A D

X029_MAC_1mm_A D

X045_MAC_1mm_A B

X047_MAC_1mm_A B

X049_MAC_1mm_A B

Group B

Average similarity: 27.81

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Poecilochaetus serpens	1.66	6.77	2.52	24.34	24.34
Lagis koreni	1.82	5.39	9.71	19.37	43.71
NEMERTEA	1.33	5.39	9.71	19.37	63.07
Abra alba	1.24	3.27	0.58	11.76	74.84

Group C

Average similarity: 25.49

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Cauilleriella alata	2.91	6.81	4.06	26.72	26.72
Spirobranchus lamarckii	1.68	3.39	5.8	13.28	40
Amphipholis squamata	1.14	2.4	0.89	9.43	49.43
Lumbrineris cingulata_Confer	1.6	2.39	0.86	9.36	58.8
Notomastus	1.24	2.05	0.89	8.05	66.84
Crepidula fornicata	1.66	1.59	0.41	6.24	73.09

Group D

Average similarity: 44.93

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Nephasoma (Nephasoma) minutum	3.35	4.78	14.87	10.63	10.63
Echinocytamus pusillus	2.24	2.52	3.17	5.6	16.23
NEMERTEA	1.63	2.36	4.45	5.26	21.5
Syllis armillaris_Aggregate	1.79	2.34	7.08	5.21	26.71
Notoprotocottus	1.61	2.18	9.67	4.86	31.57
Golfingia (Golfingia) elongata	1.58	1.91	3.01	4.26	35.83
Verruca stroemia	2.11	1.91	3.01	4.26	40.08
Lumbrineris cingulata_Confer	1.8	1.75	4.69	3.9	43.98
Dendrodoa grossularia	1.14	1.54	9.67	3.43	47.42
Escharella immersa	1	1.54	9.67	3.43	50.85
Glycera lapidum_Aggregate	1.33	1.54	9.67	3.43	54.29
Microporella ciliata	1	1.54	9.67	3.43	57.72
PORIFERA	1	1.54	9.67	3.43	61.16
Rhynchozoon bispinosum	1	1.54	9.67	3.43	64.59
Spirobranchus lamarckii	1.61	1.54	9.67	3.43	68.02
Amphipholis squamata	1.32	0.81	0.58	1.8	69.82
Sphenia binghami	1.15	0.81	0.58	1.8	71.62

Group E

Average similarity: 31.10

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Echinocytamus pusillus	3.28	6.89	1.94	22.16	22.16
Lumbrineris cingulata_Confer	1.9	3.63	2.39	11.67	33.83
NEMERTEA	1.38	3.11	2.81	10.02	43.84
Glycera lapidum_Aggregate	1.27	1.76	1.31	5.65	49.49
Sabellaria spinulosa	2.05	1.63	0.47	5.23	54.72
Diplodonta rotundata	0.99	1.18	0.76	3.79	58.51
Syllis armillaris_Aggregate	0.74	1.13	0.75	3.64	62.15
Poecilochaetus serpens	0.67	1.03	0.77	3.32	65.47
Schizomavella	0.67	0.96	0.75	3.1	68.57
Ophelia borealis	0.88	0.77	0.46	2.48	71.05